

**PRODUCT CATALOGUE**  
**2006**

**MARBETT®**

**CONVEYOR COMPONENTS**  
**SUPPORTING AND LEVELLING ELEMENTS**  
**SELF-ALIGNING BEARINGS**



**FlatTop Europe**

**REXNORD**  
PRECISION. POWER. PERFORMANCE.

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## SELF-ALIGNING BEARINGS

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## The company

Rexnord is a global company supplying many industries with power transmission and conveying components. The product offering ranges from roller chains, couplings and geared products to conveyor chains, belts and components.

The head office is based in the United States, with several divisions all over the world. The Rexnord FlatTop division is manufacturing conveyor chains, belts and components.

Rexnord is fully committed to meet customer expectations; huge knowledge of the business reduces maintenance costs, eliminates redundant inventories and prevents downtime, all in close co-operation with OEMs and end users. This is a result of Rexnord's focus on product development, application engineering, operations and customer service.

Rexnord FlatTop Europe represents 3 strong brands: Rexnord, MCC and Marbett.

With production facilities in 's-Gravenzande and Correggio, sales offices in The Netherlands, Italy, France and Germany, a large sales group for local service in many countries and distributors all over the world, Rexnord is always close to its customers. In this way a fast and reliable delivery is guaranteed.

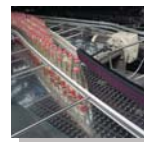
Rexnord chains and belts are being used to convey a wide variety of products: bottles, cans, boxes, crates, tires, loose food, glass jars, PET containers, trays; shortly every transport in production halls in virtually any industry.

The product range has been split up over two catalogues, one for Rexnord/MCC Table Top/MatTop chains and one for Marbett conveyor components.

## The industries served

As the handling specialist in the field of conveying, the Rexnord product portfolio is providing solutions for complete lines in several industries in order to improve productivity.

In beverage industry palletizers, depalletizers, washers, labelers, fillers, pasteurizers, inliners, outfeeds, elevators and accumulation tables are equipped with slatband chains, curves, sprockets, belts, bearings, leveling elements and many more conveyor components.



For the container manufacturing industry special products and materials are available, such as abrasion resistant polyamide for glass plants, vacuum chains for can making and gripper chains for vertical transport.



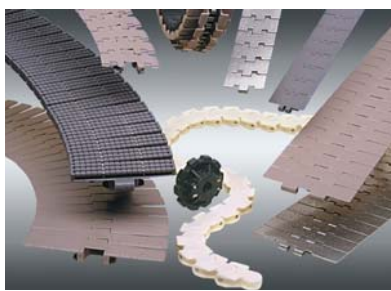
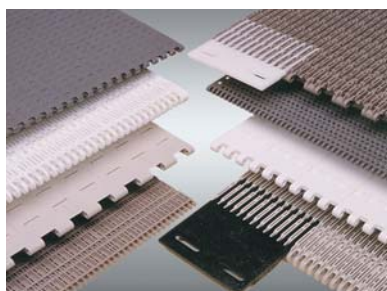
For food industry applications modular belts and components with Microban antibacterial protection are used in deboning, grading and trimming lines for meat, poultry and seafood. A wide range of products is also offered for blanchers, cookers, washers, coolers and processing lines in fruit, vegetables, bakery, confectionary etc. And many more products are available for the handling of packed food.



In automotive industry the products are engineered to meet the most demanding applications, such as rubber processing and tire handling.

This is just a short selection of the applications in which Rexnord products are being used. Among others they have also found their way into pharmaceutical production lines, battery manufacture, paper and cardboard production.





## Rexnord and MCC TableTop chains and MatTop belts

The product line can be split up into:



- Steel slatband chains

In various materials ranging from carbon steel to special stainless steel with better wear and sliding properties; types straight running, sideflexing tab, bevel and Magnetflex, with and without rubber top.

- Plastic slatband chains

Wide range of materials and various executions; single hinge, double hinge, heavy duty, vacuum, lbp rollers and rubber top.



- Plate Top and Gripper chains

Based on the Rexnord roller chains in both stainless and carbon steel; Plate Top chains have steel or plastic top plates; Gripper chains have different types of rubber inserts.

- Case conveyor and Multiflex chains

Different types of acetal for both straight running and sideflexing transport of products varying from heavy crates to small juice packs.



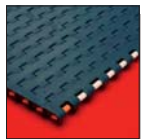
- Curves

Magnetflex, Tab and bevel, as well as straight tracks to support the chain in all parts of the line; there are many standard versions besides the ability to make any special curve needed

in your applications with short delivery times.

- Modular belts

Pitches differ from 0.5 to 2.25 inch to suit any application. Most series have both closed and open top executions; some also available with rubber top for inclined conveying.



## Marbett conveyor components

The product line can be split up into:

- Chain guide components

Profiles, corner tracks, straight tracks, return rollers, serpentine, plugs for connections.



- Product handling components

Guide rails, roller guides, guide rail clamps, guide rail brackets and connecting clamps in plastic or stainless steel.

- Frame support components

Side mounting top brackets, bearing heads, support bases and connecting joints, stainless steel components.



- Supporting and leveling elements

Different versions in steel and plastic, articulated and fixed, with and without gripper bottom and vibration absorbing feet.

- Self-aligning bearings

Square, oval, pillow block, side flange, take-up, round, and other executions, all with open and closed unit. Lubricated for life versions are also available.



• Miscellaneous components Line control elements, hinges, locks, knobs, modular transfer roller plates, rollers, tensioners, nozzles, cable carriage chains, shaft collars and nose-over bars.

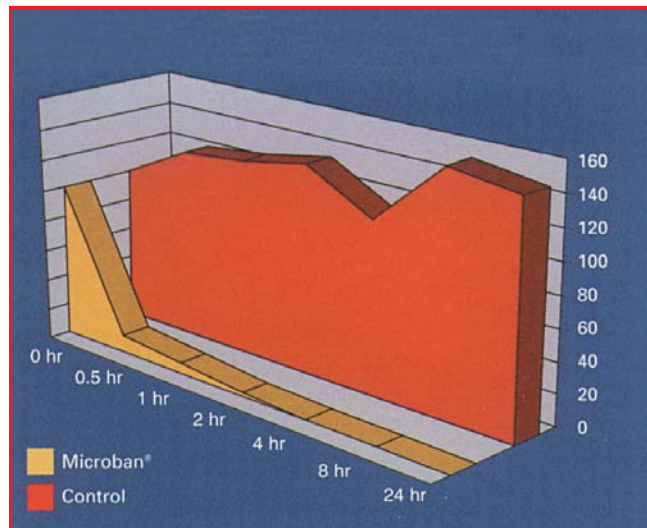




## Material characteristics

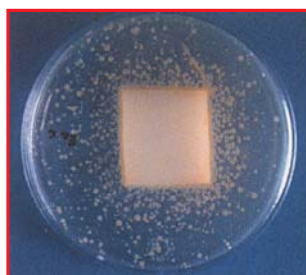


- By penetrating the cell wall of bacteria Microban® inhibits the growth of most common food poisoning bacteria, such as E.coli, Salmonella, Listeria, S-aureus, Campylobacter, which can cause contamination and odour.
- Independent laboratory tests have proven Microban® to be effective throughout the lifetime of the product. Because it is built-in, it is working all-over.
- The active agent used in Microban® technology has been recommended for approval in food contact uses by the European Union Scientific (SCF); in the United States the Environmental Protection Agency (EPA) has approved it for use in conveyor belts.

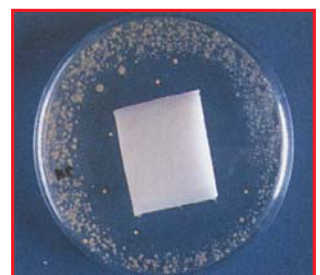


◀ Bacteria E.Coli in Microban® plastic comKuK compared to identical untreated plastic

With Microban®, absence of bacteria on and around the ▼ product



◀ Without protection, growth of bacteria on and around the product



## FRAME SUPPORT COMPONENTS

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| <i>Side Mounting top Brackets</i>          | Page S160 |
| <i>Bearing Heads</i>                       | Page S162 |
| <i>Support Bases</i>                       | Page S164 |
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| <i>Connecting Joints</i>                   | Page S172 |
| <i>Support Heads (Stainless steel)</i>     | Page S177 |
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## MISCELLANEOUS COMPONENTS

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| <i>Hinges</i>                        | Page S186 |
| <i>Locks</i>                         | Page S188 |
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| <i>Modular transfer roller plate</i> | Page S194 |
| <i>Modular Nose-Over Bar</i>         | Page S198 |
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| <i>Caps</i>                          | Page S201 |
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| <i>Nozzles</i>                       | Page S203 |



## TECHNICAL INFORMATION

Technical information Pag. S204



## Polyamide PA

- An extremely tough material with excellent dimensional stability even at relatively high temperatures
- Good resistance to chemical attack
- Inflammability : 94HB.

## Material characteristics

## Reinforced polyamide PA FV

- This material offers improved ductile strength compared with PA polyamide, as well as improved rigidity and dimensional stability
- Operating temperatures can also be higher
- Inflammability : 94HB.

## Polypropylene PP

- Ideal for use at high temperatures
- High resistance to chemical attack
- Reduced mechanical characteristics
- Inflammability : 94HB.

## Reinforced polypropylene PP FV

- This material offers better dimensional stability and rigidity than PP polypropylene as well as better mechanical strength
- Inflammability : 94HB.

## Polyethylene PE (UHMWPE)

- This is the plastic material which is most suited to the manufacture of lateral guides subject to sliding contact, thanks to an extremely low coefficient of friction, excellent wear resistance and zero absorption (important in water lubricated applications)
- PE polyethylene also offers high resistance to chemical attack and good sound absorbing qualities
- Inflammability : 94HB.

## Polyethylene PE (UHMWPE + solid lubricant)

- Compared to polyethylene PE offers a reduced friction coefficient, with a consequent higher wear resistance
- Do not leave traces on the container
- Inflammability : 94 HB.

## Acetal POM

- Acetalic resins are among the strongest and most resistant thermoplastic materials known
- The most important characteristics of these materials are excellent ductile strength, impact resistance, rigidity, and dimensional stability
- These materials also resist humidity and attack by most chemical agents
- The materials cannot be used in continuous contact with steam or hot water at temperatures above 60° C
- Inflammability : 94 HB.

## Acetal Rex LF®

- This material conserves the same characteristics of POM acetalic
- The addition of a self-lubricating agent, however, gives an extremely low coefficient of friction and excellent wear resistance
- Rex LF® acetalic has the same limitations as POM acetalic as far as continuous contact with hot water and steam are concerned
- Inflammability : 94HB.

## Stainless steel AISI 303 - AISI 304

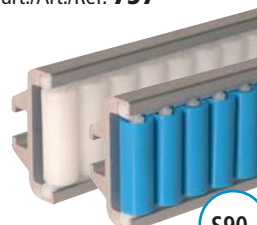
- An austenitic steel generally known as 18/8 steel offering excellent corrosion and oxidation resistance
- Ideal for the food industry, dairy and cheese production, beer production, and the pharmaceutical industry
- Stainless steel is cold rolled and responsive to magnets.

## Zinc plated steel

- Galvanically zinc coated steel
- Galvanization thickness 7 microns.

## Nickel plated brass

- Good resistance to chemicals
- Humid and wet environments.

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| Chain Guide Components                                                                                                   | Part./Art./Réf. <b>742</b><br><br>S19        | Part./Art./Réf. <b>674</b><br><br>S19       | Part./Art./Réf. <b>669</b><br><br>S25      | Part./Art./Réf. <b>764</b><br><br>S28   |                          |                                                                                                                            |                                                                                                                            |
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| <div>Part./Art./Réf. <b>704</b></div> <div></div> <div>S150</div>   | <div>Part./Art./Réf. <b>699-718</b></div> <div></div> <div>S151</div>   | <div>Part./Art./Réf. <b>692</b></div> <div></div> <div>S152</div>   | <div>Part./Art./Réf. <b>691</b></div> <div></div> <div>S152</div> | <div>Part./Art./Réf. <b>663</b></div> <div></div> <div>S153</div> |
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| <div>Part./Art./Réf. <b>672</b></div> <div></div> <div>S194</div>   | <div>Part./Art./Réf. <b>612</b></div> <div></div> <div>S199</div>       | <div>Part./Art./Réf. <b>666</b></div> <div></div> <div>S201</div>   | <div>Part./Art./Réf. <b>667</b></div> <div></div> <div>S201</div> | <div>Part./Art./Réf. <b>668</b></div> <div></div> <div>S201</div> |

**Chain Guide Profiles**

**Part. 262** - Pag. S16  
Chain guide profile.



**Part. 261** - Pag. S16  
Chain guide profile.



**Part. 243** - Pag. S16  
Chain guide profile.



**Part. 241** - Pag. S17  
Chain guide profile.



**Part. 251** - Pag. S17  
Chain guide profile.



**Part. 244** - Pag. S17  
Chain guide profile.



**Part. 551** - Pag. S18  
Chain inlet guide for  
Part. 261-243-244.



**Part. 742** - Pag. S19  
For chains 114,3 mm  
(K 450).



**Part. 674** - Pag. S19  
For wide chain.



**Part. 263** - Pag. S20  
Multiple strands 82,5 mm  
(K 325)/ pitch 88 mm.



**Part. 242** - Pag. S20  
Multiple strands 82,5 mm  
(K 325)/ pitch 88 mm.



**Part. 362** - Pag. S20  
Multiple strands 82,5 mm  
(K 325)/ pitch 85 mm



**Part. 386** - Pag. S21  
Multiple strands 87 mm  
(K 343)/ pitch 88 mm.



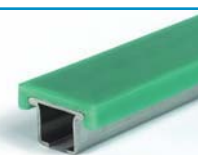
**Part. 387** - Pag. S21  
Multiple strands 87 mm  
(K 343)/ pitch 88 mm.



**Part. 634** - Pag. S21  
Chain guide profile.



**Part. 366** - Pag. S22  
Multiple strands 82,5 mm  
(K 325)/ pitch 88 mm.



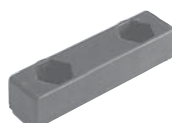
**Part. 367** - Pag. S22  
Multiple strands 82,5 mm  
(K 325)/ pitch 85-83,5 mm.



**Part. 368** - Pag. S22  
Chain guide profile.



**Part. 371** - Pag. S23  
Mounting block for  
Part. 366-367-368.



**Part. 621** - Pag. S23  
Connecting block for  
Part. 366-367-368.



**Part. 559** - Pag. S23  
Clamp for  
Part. 366-367-368.



**Part. 550** - Pag. S24  
Chain inlet guide for  
Part. 366.



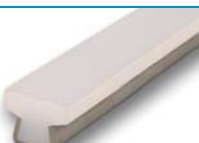
**Part. 550** - Pag. S24  
Chain inlet guide for  
Part. 367.



**Part. 370** - Pag. S24-S33  
Sealing profile for Part.  
366-367-368-422.



**Part. 669** - Pag. S25  
Side transfer guide shoe.



**Part. 768** - Pag. S26  
Chain guide profile.



**Part. 767** - Pag. S26  
Chain guide profile.



**Part. 356** - Pag. S27  
Chain guide profile.



**Part. 310** - Pag. S27  
Chain guide profile.



**Part. 765** - Pag. S27  
Chain guide profile.



**Part. 766** - Pag. S28  
Chain guide profile  
For modular chains.



**Part. 764** - Pag. S28  
Chain guide profile  
for TAB chains.



**Part. 223** - Pag. S29  
Chain guide profile for  
roller chain ANSI 60.



**Part. 274** - Pag. S29  
Chain guide profile for  
roller chain ISO 12 B1.



**Part. 903** - Pag. S28  
ViseClamp™.



**Part. 902** - Pag. S28  
ViseSplice™.



**Part. 215** - Pag. S29  
Clamp.



**Part. 216** - Pag. S29  
Clamp.



**Part. 275** - Pag. S29  
Clamp.



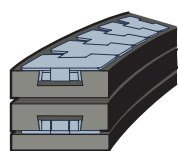
**Part. 422** - Pag. S30  
Multiple strands 82,5 mm  
(K 325)/ pitch 85-83,5 mm.



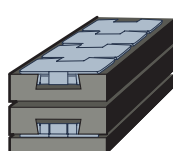
**Part. 369** - Pag. S31  
Connecting bar for  
Part.422.



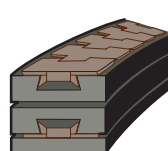
## Corner Tracks and Straight Tracks



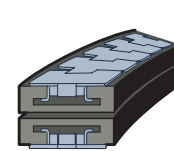
**Serie KSU** - Pag. S34  
Corner tracks for chains  
Series 881-8811-880-879.



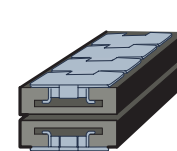
**Serie SSU** - Pag. S34  
Straight tracks for chains  
Series 881-8811-880-879.



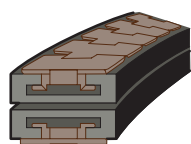
**Serie KSU 200** - Pag. S35  
Straight tracks for Series  
882.



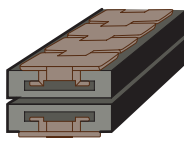
**Serie KTU** - Pag. S36  
Corner tracks for Series 881T-8811T-  
879T-880T-RH-RHD-1050T-1055T.



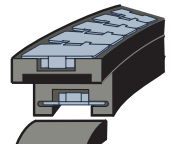
**Serie STU** - Pag. S36  
Straight tracks for Series 881T-8811T-  
879T-880T-RH-RHD-1050T-1055T.



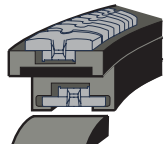
**Serie KTU 200** - Pag. S37  
Corner tracks for Series  
882 TAB-HDF.



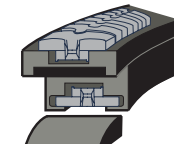
**Serie STU 200** - Pag. S37  
Straight tracks for Series  
882 TAB-HDF.



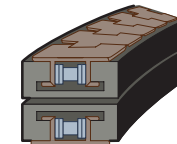
**Serie COMBI C** - Pag. S38  
Magnetic corner tracks Series 881M-  
RHM-RHMD 325 LBP-HDFM LBP.



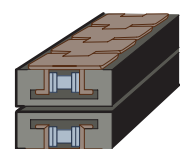
**Serie COMBI CB** - Pag. S39  
Magnetic corner tracks Series  
FGM 1050 - FTM 1060.



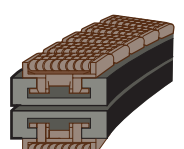
**Serie COMBI CC** - Pag. S39  
Magnetic corner tracks  
Series FTM 1055.



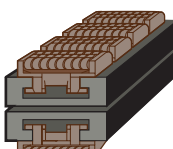
**Serie KTU 300** - Pag. S40  
Corner tracks for Series  
1874-1873-3873.



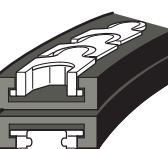
**Serie STU 300** - Pag. S40  
Straight tracks for Series  
1874-1873-3873.



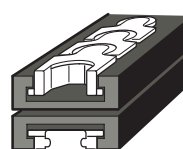
**Serie KTU 200** - Pag. S41  
Corner tracks for Series  
LBP 883.



**Serie STU 200** - Pag. S41  
Straight tracks for Series  
LBP 883.



**Serie KTU 500** - Pag. S42  
Corner tracks for Series 1700TABK-  
1790TABK-1710TABK-1713TABK.



**Serie STU 500** - Pag. S42  
Straight tracks for Series 1700TABK  
1790TABK-1710TABK-1713TABK.

## Roller for Chain Return



**Part. 153** - Pag. S43  
Snap-on wear shoe.



**Part. 73** - Pag. S44  
Roller ø 42,5 mm. For K82,5.  
For K82,5/pitch 83,5-88.



**Part. 126** - Pag. S44  
Distance gear.



**Part. 125** - Pag. S44  
Double roller ø 42,5 mm. Multiple  
strands K82,5 / pitch 88.



**Part. 125** - Pag. S45  
Double roller ø 42,5 mm. Multiple  
strands K82,5 / pitch 85.



**Part. 421** - Pag. S45  
Roller ø 42,5 mm. Multiple  
strands K82,5 / pitch 83,5.



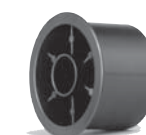
**Part. 388** - Pag. S45  
Roller ø 42,5 mm. Multiple  
strands K87 / pitch 88



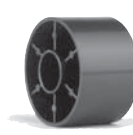
**Part. 727** - Pag. S46  
Roller ø 46 mm. high sanitation.  
Multiple str. K82,5/84-K114,3/120.



**Part. 728** - Pag. S46  
Roller ø 46 mm. high sanitation.  
Multiple strands K82,5/pitch 84.



**Part. 561** - Pag. S47  
Roller ø 50 mm. For K82,5. Multiple  
strands K82,5 / pitch 83,5-88.



**Part. 560** - Pag. S47  
Roller ø 50 mm. Multiple  
strands K82,5 / pitch 83,5.



**Part. 614** - Pag. S48  
Roller ø 60 mm. For K82,5. Multiple  
strand K82,5 / pitch 83,5-88.



**Part. 613** - Pag. S48  
Roller ø 60 mm. Multiple  
strand K82,5/pitch 83,5-85.



**Part. 657** - Pag. S49  
Roller ø 60 mm. Multiple  
strand K82,5 / pitch 85.



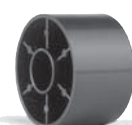
**Part. 758** - Pag. S49  
Roller ø 60 mm. Multiple  
strand K82,5 / pitch 85.



**Part. 624** - Pag. S49  
Distance gear.



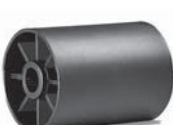
**Part. 556** - Pag. S50  
Roller ø 60 mm. For K82,5. Multiple  
strand K82,5 / pitch 83,5-88.



**Part. 554** - Pag. S50  
Roller ø 60 mm. Multiple  
strands K82,5/pitch 83,5-88.



**Part. 555** - Pag. S50  
Guiding flange for part.  
554-613-657-758.



**Part. 11** - Pag. S51  
Roller ø 60 mm. For K82,5  
Multiple strand K82,5/pitch 88.



**Part. 37** - Pag. S51  
Guiding flange for part. 11.



**Part. 67-22-74** - Pag. S52  
Rollers. For K82,5-101,6 Multiple  
strand K82,5/pitch 85-88.



**Part. 22 M** - Pag. S52  
Roller. Multiple strands  
K82,5 / pitch 85.

### Serpentine Guides for Chain Return



Part. 729 - Pag. S53  
Chain return guide.



Part. 523 - Pag. S53 - S54  
Spacer.



Part. 533 - Pag. S55  
Striker.



Part. 533 - Pag. S55  
Striker (centre). Multiple strands K82,5 / pitch 85.



Part. 524 - Pag. S55  
Sliding profile.

### Expansion Plugs



Part. 565 - Pag. S58  
Expansion plug for tubes  
ø 18-20 mm.



Part. 179 - Pag. S58  
Expansion plug for tubes  
ø 38-42,4 mm.

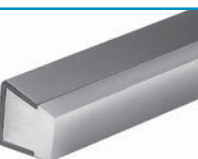


Part. 566 - Pag. S59  
Expansion plug for square  
tubes 20 mm.



Part. 592 - Pag. S59  
Expansion plug for square  
tubes 40 mm.

### Product Guides



Part. 317 - Pag. S60  
Half-round guide rail. Delicate  
containers (PET empty).



Part. 223 - Pag. S60  
Flat guide rail. Middle  
delicate containers (PET full).



Part. 219-219XLF - Pag. S61  
Round guide rail. Middle  
strong containers (glass).



Part. 247 - Pag. S61  
Round guide rail. Middle  
strong containers (glass).



Part. 715-715XLF - Pag. S62  
Side guide. Delicate  
containers (PET empty).



Part. 346 - Pag. S63  
Half-round guide rail.  
Low side load (brick).



Part. 369 - Pag. S63-S70  
Connecting bar for  
Part.346-422.



Part. 393 - Pag. S64  
Label protection.



Part. 596 - Pag. S64  
Label protection.  
Unstable containers.



Part. 308 - Pag. S65  
Overhead transport PET  
bottles.



Part. 594XLF - Pag. S66  
Overhead transport PET  
bottles.



Part. 654-654XLF - Pag. S66  
Overhead transport PET  
bottles.



Part. 770 - Pag. S67  
Flat guide rail.  
Rugged containers.



Part. 769 - Pag. S67  
Flat guide rail.  
Rugged containers.



Part. 768 - Pag. S68  
Flat guide rail.  
Rugged containers.



Part. 767 - Pag. S68  
Flat guide rail.  
Rugged containers.



Part. 273 - Pag. S69  
Flat guide rail.  
Rugged containers.



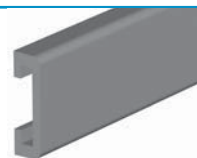
Part. 765 - Pag. S69  
Extra flat guide rail.



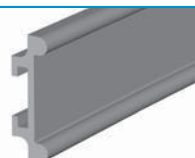
Part. 422 - Pag. S70  
Extra flat guide rail.  
Rugged containers.



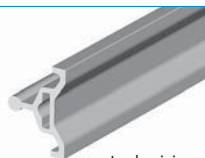
Part. 370 - Pag. S70  
Sealing profile for Part.422.  
Improves Guide cleanliness.



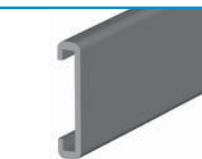
Part. 639 - Pag. S71  
Extra flat guide rail.



Part. 640 - Pag. S71  
Round guide rail.



Part. 641 - Pag. S71  
Metal profile for  
Part.639-640.



Part. 642 - Pag. S72  
Extra flat guide rail.  
Rugged containers.



Part. 643 - Pag. S72  
Metal profile for Part.642.



Part. 644 - Pag. S73  
Round guide rail. Middle  
strong containers (glass).



Part. 645 - Pag. S73  
Profile for round steel rods.



Part. 539 - Pag. S73  
Extra flat guide rail. Assembly  
with 40x8 mm plate.



Part. 605 - Pag. S74  
Extra flat centre guide. Glass  
containers without side load.



**Part. 606** - Pag. S74  
Divider module for  
Part.605.



**Part. 605** - Pag. S75  
Extra flat centre guide. Glass  
containers without side load.



**Part. 606** - Pag. S75  
Divider module for  
Part.605.



**Part. 191-296** - Pag. S76  
Extra large guide rail.  
Assembly with 60x6 mm plate.



**Part. 376-377** - Pag. S76  
End plug for Part.191-296.



**Part. 378-379** - Pag. S77  
Joint clamp for  
Part.191-296.



**Part. 581-722** - Pag. S78  
Roller side guide.  
Thin-walled containers.



**Part. 585-724** - Pag. S78  
Roller centre guide.  
Thin-walled containers.



**Part. 586-761** - Pag. S79  
Divider module for  
Part.585.



**Part. 581-722** - Pag. S80  
Roller side guide.  
Thin-walled containers



**Part. 585-724** - Pag. S80  
Roller centre guide.  
Thin-walled containers.



**Part. 586-761** - Pag. S81  
Divider module for  
Part.585.



**Part. 580** - Pag. S82  
Roller side guide.  
Medium strength containers.



**Part. 557** - Pag. S82  
Roller centre guide.  
Medium strength containers.



**Part. 570** - Pag. S83  
Divider module for  
Part.557.



**Part. 580** - Pag. S84  
Roller side guide.  
Medium strength containers.



**Part. 557** - Pag. S84  
Roller centre guide.  
Medium strength containers.



**Part. 570** - Pag. S85  
Divider module for  
Part.557.



**Part. 733** - Pag. S86  
Roller side guides.  
Cans.



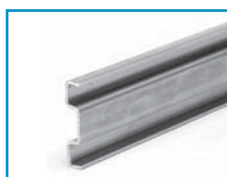
**Part. 721** - Pag. S86  
Roller centre guides.  
Cans.



**Part. 730** - Pag. S87  
Separation Block.



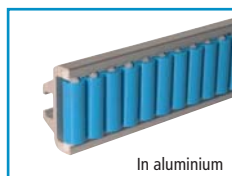
**Part. 628 S** - Pag. S88  
Roller side guide.  
Medium strength containers.



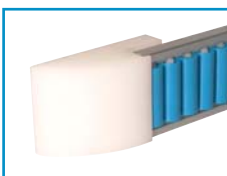
**Part. 537** - Pag. S89  
Metal profile 40x8.



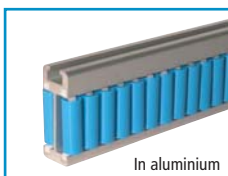
**Part. 535** - Pag. S89  
Bolts set for Part.535.



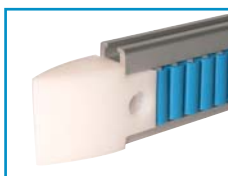
**Part. 757** - Pag. S90  
Roller side guides.  
In aluminium



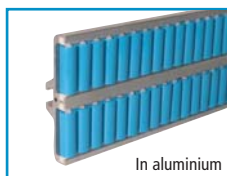
**Part. 760** - Pag. S90  
Separation Block.



**Part. 755** - Pag. S91  
Roller centre guides.  
In aluminium



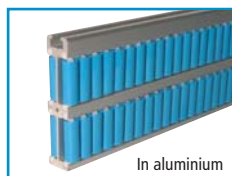
**Part. 759** - Pag. S91  
Separation Block.



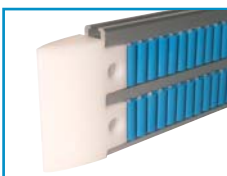
**Part. 757** - Pag. S92  
Roller side guides.  
In aluminium



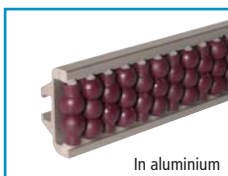
**Part. 760** - Pag. S92  
Separation Block.



**Part. 755** - Pag. S93  
Roller centre guides.  
In aluminium



**Part. 759** - Pag. S93  
Separation Block.



**Part. 756** - Pag. S94  
Pearl™ rolles side guide.  
In aluminium



**Part. 760** - Pag. S94  
Separation Block.



**Part. 754** - Pag. S95  
Pearl™ rolles centre guide.  
In aluminium



**Part. 759** - Pag. S95  
Separation Block.



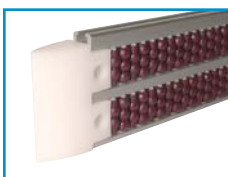
**Part. 756** - Pag. S96  
Pearl™ rolles side guide.  
In aluminium



**Part. 760** - Pag. S96  
Separation Block.



**Part. 754** - Pag. S97  
Pearl™ rolles centre guide.  
In aluminium



**Part. 759** - Pag. S97  
Separation Block.



**Part. 656-731** - Pag. S98  
Roller centre guides.  
In aluminium



**Part. 369** - Pag. S63-S70  
Connecting bar for  
Part.754-755-756-757-656-731.





**Part. 128 S** - Pag. S99  
Roller side guide.  
Rugged containers.



**Part. 128** - Pag. S99  
Roller side guide.  
Rugged containers.



**Part. 128** - Pag. S100  
Roller side guide.  
Rugged containers.



**Part. 128** - Pag. S100  
Roller side guide.  
Rugged containers.



**Part. 218** - Pag. S101  
Guide rail bending machine  
(manual).



**Part. 233** - Pag. S102  
Rollers for bending.

## Guide Rail Clamps



**Part. 210 P** - Pag. S104  
Guide rail clamp.



**Part. 210** - Pag. S104  
Guide rail clamp.



**Part. 275** - Pag. S105  
Guide rail clamp.



**Part. 211** - Pag. S105  
Guide rail clamp  
(adjustable).



**Part. 446** - Pag. S105  
Guide rail clamp  
(adjustable).



**Part. 213** - Pag. S106  
Guide rail clamp  
(double).



**Part. 213** - Pag. S106  
Guide rail clamp  
(double).



**Part. 736-737-738** - Pag. S107  
Sliding joint clamp.



**Part. 739-739P** - Pag. S108  
Swivel pin connection.



**Part. 740-740P** - Pag. S108  
Swivel pin connection.



**Part. 903** - Pag. S109  
ViseClamp™.



**Part. 216** - Pag. S109  
Guide rail clamp.



**Part. 215** - Pag. S109  
Guide rail clamp.



**Part. 693** - Pag. S110  
Guide rail clamp  
with one fixing screw.



**Part. 694** - Pag. S110  
Guide rail clamp  
with two fixing screw.



**Part. 217** - Pag. S111  
Guide rail clamp  
(double).



**Part. 902** - Pag. S111  
ViseSplice™.



**Part. 214** - Pag. S111  
Connecting clamp.



**Part. 236** - Pag. S112  
Guide rail clamp.



**Part. 236** - Pag. S112  
Guide rail clamp.



**Part. 237** - Pag. S113  
Guide rail clamp  
(adjustable).



**Part. 116** - Pag. S113  
Guide rail clamp  
(double).



**Part. 111** - Pag. S113  
Guide rail clamp  
(double).



**Part. 82P** - Pag. S114  
Guide rail clamp.



**Part. 82-82B** - Pag. S114  
Guide rail clamp.



**Part. 478** - Pag. S115  
Guide rail clamp  
(pivoting).



**Part. 159-437** - Pag. S115  
Guide rail clamp  
(adjustable).



**Part. 451** - Pag. S115  
Guide rail clamp  
(adjustable).



**Part. 71** - Pag. S116  
Guide rail clamp  
(double).



**Part. 70** - Pag. S116  
Guide rail clamp  
(double).



**Part. 676** - Pag. S116  
Joint clamp.



**Part. 697** - Pag. S117  
Guide rail clamp  
with one fixing screw.



**Part. 698** - Pag. S117  
Guide rail clamp  
with two fixing screws.



**Part. 662** - Pag. S118  
Guide rail clamp.



**Part. 50** - Pag. S118  
Guide rail clamp  
(double).





Part. 646 - Pag. S119  
Guide rail clamp.



Part. 190 - Pag. S120  
Guide rail clamp.



Part. 184 - Pag. S120  
Guide rail clamp.



Part. 298 - Pag. S121  
Guide rail clamp.



Part. 298 - Pag. S121  
Guide rail clamp.



Part. 373 - Pag. S122  
Guide rail clamp.

## Guide- Rail Brackets



Part. 708 - Pag. S123  
Bracket with eyebolt.



Part. 81 - Pag. S124  
Bracket.



Part. 72 - Pag. S124  
Bracket.



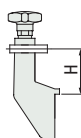
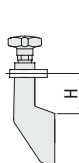
Part. 88 - Pag. S125  
Bracket with ratched handle clamping.



Part. 89 - Pag. S125  
Bracket with ratched handle clamping.

### Adjustable Brackets Part.

### Fixed Brackets Part.



|                           |       |       |      |          |
|---------------------------|-------|-------|------|----------|
| 704+192 (699+192)         | -     | 42,5  | 35,5 | 52 (128) |
| -                         | 708   | 42,5  | -    | 67,5     |
| 704+192 (699+192)         | -     | 60    | 53   | 52 (128) |
| -                         | 81-88 | -     | 58   | 36       |
| -                         | 705   | 61    | 61   | 31       |
| -                         | 107   | -     | 64,5 | 45       |
| -                         | 708   | 64,5  | -    | 67,5     |
| 682-677                   | -     | 67    | -    | 65       |
| -                         | 72-89 | 67    | -    | 42,8     |
| 635-637-638 (650-652-653) | -     | 68    | -    | 64 (48)  |
| -                         | 599   | 68    | -    | 64       |
| 679                       | -     | 70    | -    | 65       |
| 704+192 (699+192)         | -     | 80    | 73   | 52 (128) |
| -                         | 140   | 81    | -    | 50       |
| -                         | 85    | 84,5  | -    | 42       |
| 636 (651)                 | -     | 86    | -    | 64 (48)  |
| -                         | 97-10 | 86    | -    | 42       |
| -                         | 617   | 87    | -    | 49       |
| 679                       | -     | 87,5  | -    | 65       |
| 542-543-544               | -     | 90    | 86   | 51       |
| 681                       | -     | 105,5 | -    | 65       |
| 679                       | -     | 107,5 | -    | 65       |
| 541                       | -     | 108   | 104  | 51       |
| 704+192 (699+192)         | -     | 110   | 103  | 52 (128) |
| 681                       | -     | 123   | -    | 65       |
| 679                       | -     | 137,5 | -    | 65       |
| 681                       | -     | 143   | -    | 65       |
| 704+192 (699+192)         | -     | 150   | 143  | 52 (128) |
| 681                       | -     | 173   | -    | 65       |
| 679                       | -     | 177,5 | -    | 65       |
| 681                       | -     | 213   | -    | 65       |

P = to increase the distance use the proper spacer



Part. 85 - Pag. S126  
Bracket with eccentric lever.



Part. 10-97 - Pag. S126  
Bracket with eccentric lever.



Part. 107 - Pag. S127  
Bracket with eyebolt.



Part. 599 - Pag. S127  
Bracket with eyebolt.



Part. 617 - Pag. S128  
Bracket with eyebolt.



Part. 140 - Pag. S128  
Bracket with eyebolt.



\* Part. 632 - Pag. S129  
Adjustable bracket.



\* Part. 635 - Pag. S130  
Adjustable bracket.



Part. 636 - Pag. S130  
Adjustable bracket.



\* Part. 637 - Pag. S131  
Adjustable bracket.



\* Part. 638 - Pag. S131  
Adjustable bracket.



Part. 648 - Pag. S132  
Adjustable bracket.



Part. 650 - Pag. S133  
Adjustable bracket.



Part. 651 - Pag. S133  
Adjustable bracket.



Part. 652 - Pag. S134  
Adjustable bracket.



Part. 653 - Pag. S135  
Adjustable bracket.

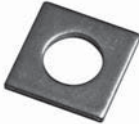


Part. 540 - Pag. S136  
Adjustable bracket.



Part. 542 - Pag. S137  
Adjustable bracket.

\* Part. 163 - 178 - 193 - 257 available until April 2007.

|                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|     |    |    |    |    |    |
| Part. 541 - Pag. S137<br>Adjustable bracket.                                        | Part. 544 - Pag. S138<br>Adjustable bracket.                                        | Part. 543 - Pag. S139<br>Adjustable bracket.                                        | Part. 255 - Pag. S140<br>Swivel head.                                               | Part. 359 - Pag. S140<br>Swivel head.                                                 | Part. 256 - Pag. S140<br>Swivel head.                                                 |
|    |    |    |    |    |    |
| Part. 192 - Pag. S141-149<br>Swivel head.                                           | Part. 227 - Pag. S141<br>Spacer for adjustable brackets.                            | Part. 96 - Pag. S141<br>Square washer for Part.72-81-88-89.                         | Part. 61 - Pag. S142<br>Spacer.                                                     | Part. 142 - Pag. S142<br>Spacer.                                                      | Part. 545 - Pag. S143<br>Spacer.                                                      |
|    |    |    |    |    |    |
| Part. 725 - Pag. S143<br>Spacer.                                                    | Part. 226-336 - Pag. S144<br>Drip tray support.<br>Bent rod.                        | Part. 226-336 - Pag. S144<br>Drip tray support.<br>Straight Rod.                    | Part. 338 - Pag. S145<br>Mounting plate for Part.226-336.                           | Part. 678 - Pag. S146<br>Adjustable side bracket.                                     | Part. 679 - Pag. S146<br>Adjustable side bracket.                                     |
|  |  |  |  |  |  |
| Part. 680 - Pag. S147<br>Adjustable side bracket.                                   | Part. 681 - Pag. S147<br>Adjustable side bracket.                                   | Part. 682 - Pag. S148<br>Adjustable side bracket.                                   | Part. 677 - Pag. S148<br>Adjustable side bracket.                                   | Part. 683 - Pag. S149<br>Eyebolt (with knob).                                         | Part. 684 - Pag. S149<br>Eyebolt (with nut).                                          |
|  |  |  |  |  |  |
| Part. 705 - Pag. S150<br>Side bracket.                                              | Part. 704 - Pag. S150<br>Side bracket.                                              | Part. 699 - Pag. S151<br>Side bracket.                                              | Part. 718 - Pag. S151<br>Side bracket.                                              | Part. 692 - Pag. S152<br>Side bracket.                                                | Part. 692 - Pag. S152<br>Side bracket.                                                |
|   |  |  |                                                                                     |                                                                                       |                                                                                       |
| Part. 691 - Pag. S152<br>Cross clamp.                                               | Part. 663 - Pag. S153<br>Locking clamp for round steel rod.                         | Part. 661 - Pag. S153<br>Cross clamp.                                               |                                                                                     |                                                                                       |                                                                                       |
| <b>Connecting Clamps</b>                                                            |                                                                                     |  |  |    |  |
|                                                                                     |                                                                                     | Part. 340 - Pag. S154<br>Cross clamp.<br>Round and square holes.                    | Part. 174-174R - Pag. S154<br>Cross clamp.<br>Round hole.                           | Part. 174Q - Pag. S155<br>Cross clamp.<br>Round hole + square hole.                   | Part. 732 - Pag. S155<br>Cross clamp.                                                 |
|                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |  |
|                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       | Part. 339 - Pag. S156<br>T clamp.                                                     |



**Part. 595** - Pag. S156  
T clamp.



**Part. 587** - Pag. S157  
Cross clamp round hole.



**Part. 587** - Pag. S157  
Cross clamp square hole.



**Part. 633** - Pag. S158  
Cross clamp round hole  
with ratchet handle clamping.



**Part. 633** - Pag. S158  
Cross clamp square hole  
with ratchet handle clamping.



**Part. 655** - Pag. S159  
Cross clamp round hole  
with ratchet handle clamping.



**Part. 633** - Pag. S158  
Cross clamp square hole  
with ratchet handle clamping.

## Side Mounting top Brackets



**Part. 416** - Pag. S160  
Side mounting top bracket  
for tubes ø 33,7.



**Part. 199** - Pag. S160  
Side mounting top bracket  
for tubes ø 48,3-50,8 square 38-40.



**Part. 709** - Pag. S161  
Side mounting top bracket  
for tubes ø 60,3 square 50.



**Part. 168** - Pag. S161  
Side mounting top bracket  
for tubes ø 48,3 square 40.



**Part. 685** - Pag. S177  
Side mounting top bracket  
for tubes ø 48,3-50,8-60,3.

## Bearing Heads



**Part. 415** - Pag. S162  
Bearing head for tubes  
ø 33,7.



**Part. 198** - Pag. S162  
Bearing head for tubes  
ø 48,3-50,8 square 38-40.



**Part. 280** - Pag. S163  
Bearing head for tubes  
ø 48,3-50,8-60,3.



**Part. 141** - Pag. S163  
Bearing head for tubes  
ø 60,3.



**Part. 690** - Pag. S177  
Bearing head for tubes  
ø 48,3.

## Support Bases



**Part. 615** - Pag. S164  
Support base for tubes  
ø 38,1-42,4-48,3-50,8-60,3.



**Part. 418** - Pag. S165  
Support base for tubes  
ø 33,7.



**Part. 420** - Pag. S165-167  
Reduction bushing for  
Part.418-419. For tubes ø 26,9.



**Part. 618** - Pag. S166  
Support base for tubes  
ø 38,1-42,4-48,3-50,8-60,3.



**Part. 611** - Pag. S166  
Support base for tubes  
square 40-50-60.



**Part. 419** - Pag. S167  
Support base for tubes  
ø 33,7.



**Part. 619** - Pag. S168  
Support base for tubes  
ø 42,4-48,3-50,8-60,3.



**Part. 616** - Pag. S169  
Support base for tubes  
ø 42,4-48,3-50,8-60,3.



**Part. 124** - Pag. S169  
Reduction bushing for Part.615-616-  
618-619. For tubes ø 42,4-48,3-50-50,6.



**Part. 707** - Pag. S178  
Support base for tubes  
ø 48,3-50,8-60,3.



**Part. 706** - Pag. S178  
Support base for tubes  
ø 48,3-50,8-60,3.

## Articulated Feet



**Part. 98** - Pag. S170  
Articulated feet.



**Part. 323** - Pag. S170  
Articulated feet fixing  
holes.



**Part. 171** - Pag. S171  
Articulated feet fixing  
holes.



**Part. 627** - Pag. S179  
Articulated feet Gripper.



**Part. 623** - Pag. S179  
Articulated feet Gripper.



## Connecting Joints



**Part. 562** - Pag. S172  
Connecting joint for tubes  
ø 33,7-38,1-42,4-48,3.



**Part. 563** - Pag. S172  
Connecting joint for tubes  
ø 50,8-60,3.



**Part. 564** - Pag. S173  
Connecting joint for square  
tubes 38-40-45-50.



**Part. 417** - Pag. S174  
Connecting joint for tubes  
ø 33,7.



**Part. 454** - Pag. S174  
Connecting joint for tubes  
ø 42,4.



**Part. 137** - Pag. S175  
Connecting joint for tubes  
ø 48,3-60,3.



**Part. 409** - Pag. S176  
Connecting joint for tubes  
ø 38-42,4-48,3-60,3.



**Part. 686** - Pag. S180  
Connecting joint for tubes  
ø 48,3.



**Part. 687** - Pag. S180  
Connecting joint for tubes  
ø 60,3.



**Part. 688** - Pag. S181  
Connecting joint for tubes  
ø 48,3.



**Part. 689** - Pag. S181  
Connecting joint for tubes  
ø 48,3-50,8.

## Line Control Elements



**Part. 342** - Pag. S182  
Assembly kit for photocells  
or sensors



**Part. 341** - Pag. S182  
Clamp for photocells  
or sensors



**Part. 341C** - Pag. S183  
Clamp for reflectors.



**Part. 372** - Pag. S184  
Universal clamp for  
photocells or reflectors.



**Part. 518** - Pag. S185  
Control contact lever.

## Hinges and Locks



**Part. 337** - Pag. S186  
270° hinge.



**Part. 260** - Pag. S186  
170° hinge.



**Part. 260** - Pag. S187  
170° hinge. For  
misaligned mounting surfaces.



**Part. 272** - Pag. S188  
Lock.

## Tightening Elements



**Part. 302** - Pag. S189  
Ratchet handle clamping.



**Part. 303** - Pag. S189  
Ratchet handle clamping.



**Part. 182** - Pag. S190  
Tightening knob.



**Part. 183** - Pag. S190  
Tightening knob.



**Part. 625** - Pag. S191  
Tightening knob.



**Part. 185** - Pag. S192  
Tightening knob.



**Part. 671** - Pag. S192  
Tightening knob.



**Part. 734** - Pag. S193  
Tightening knob.

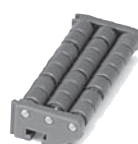
## Modular transfer roller plate



**Part. 567** - Pag. S194  
End transfer module  
(with lip).



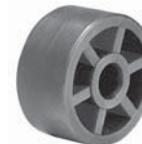
**Part. 672** - Pag. S194  
End transfer module  
(with lip).



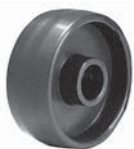
**Part. 569** - Pag. S195  
End transfer module.



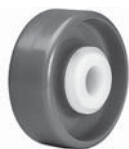
**Part. 568** - Pag. S195  
Centre transfer module.



**Part. 20-21** - Pag. S196  
Roller.



Part. 16 - Pag. S196  
Roller.



Part. 76 - Pag. S196  
Roller.



Part. 63-95 - Pag. S197  
Roller.



Part. 363 - Pag. S197  
Roller.



Part. 455 - Pag. S197  
Roller.

## Modular Nose-Over Bar



Part. 905 - Pag. S198  
Modular "Nose-Over"  
bar standard profile.



Part. 905 - Pag. S198  
Modular "Nose-Over"  
bar low profile.

## Shaft collars



Part. 612 - Pag. S199  
Split shaft collar  
(with round bore).



Part. 612 - Pag. S199  
Split shaft collar  
(with square bore).

## Winding Tensioners



Part. 79 - Pag. S200  
Winding tensioner.



Part. 75 - Pag. S200  
Winding tensioner.

## Caps



Part. 666 - Pag. S201  
Closing caps  
(for round tubes).



Part. 667 - Pag. S201  
Closing caps  
(for square tubes).



Part. 668 - Pag. S201  
Safety caps  
(for round tubes).

## Cable Carriage Chains



Part. 112 - Pag. S202  
Cable carriage chain.



Part. 114 - Pag. S202  
Attachments.

## Nozzles

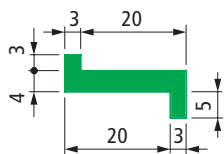


Part. 19 - Pag. S203  
Nozzle conical shape.



Part. 18 - Pag. S203  
Nozzle shell shape.

## Part. 262



Reinforced version

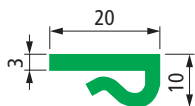
### Chain guide profile

| Part. | Colour | Packaging metres | Code    |
|-------|--------|------------------|---------|
| 262   | Black  | 45               | 63651   |
|       | Green  | 45               | 632272* |

\* = new product

- Standard packaging : coil.

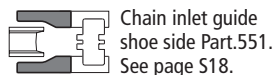
## Part. 261



### Chain guide profile

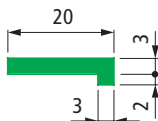
| Part. | Packaging metres | Code           |                   |
|-------|------------------|----------------|-------------------|
|       |                  | With Microban® | Without Microban® |
| 261   | 40               | 651992         | 65681             |

- Applicable to 2,5 to 4 mm thick sheet metal.
- Colour : white (with Microban®), green (without Microban®)
- Standard packaging : coil.
- Accessories :



Chain inlet guide shoe side Part.551. See page S18.

## Part. 243



### Chain guide profile

| Part. | Packaging metres | Code           |                   |
|-------|------------------|----------------|-------------------|
|       |                  | With Microban® | Without Microban® |
| 243   | 90               | 698642*        | 63701             |

\* = New product

- Colour : white (with Microban®), Farbe : weiß (mit Microban®), grün (ohne Microban®) green (without Microban®)
- Standard packaging : coil.
- Accessories : Chain inlet guide shoe side Part.551. See page S18.

### Material

Polyethylene UHMWPE with molecular density 5.600.000.

### Linear expansion coefficient

$2 \times 10^{-4}$

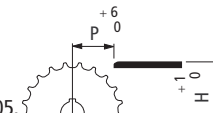
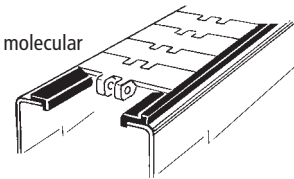
Calculation of thermal expansion see page S204.

### Operating temperature

In air (- 40 to + 80 C).

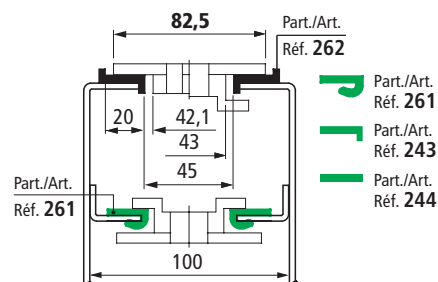
In hot water (+ 70 C).

### Position of guides. See page S205.

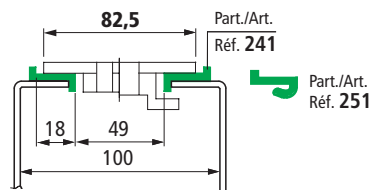


### TableTop® chains series 812 - 815 - 820 - 831 - 881TAB - 8811TAB - 879TAB - 880TAB

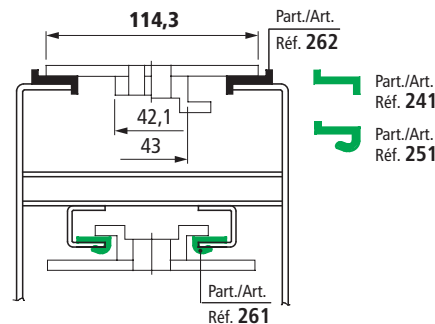
Chain width 82,5 mm (K 325) / Guide clearance 45 mm



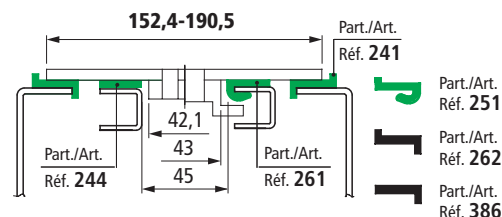
Chain width 82,5 mm (K 325) / Guide clearance 49 mm



Chain width 114,3 mm (K 450)

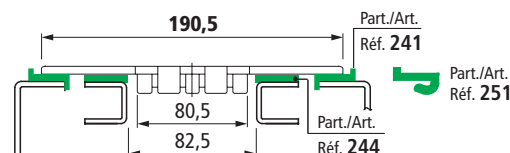


Chain width 152,4 mm (K600), 190,5 (K750)



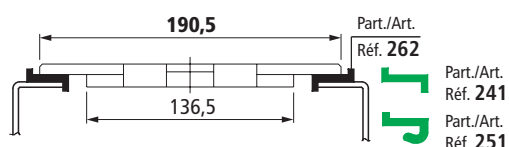
### TableTop® double hinge chain series 802 - 805

Chain width 190,5 mm (K 750)

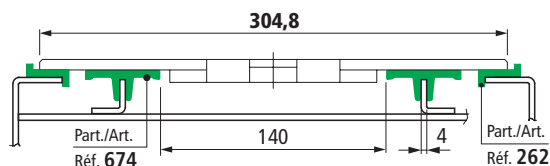


## • TableTop® double hinge chain series 821

Chain width 190,5 mm (K 750)

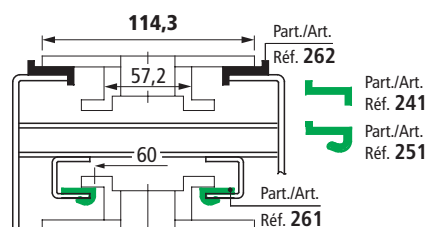


Chain width 304,8 mm (K 1200).

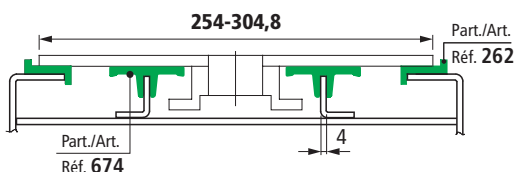


## • TableTop® chains series 882 TAB

Chain width 114,3 mm (K 450)

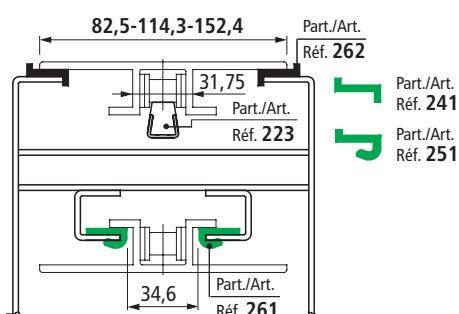


Chain width 254 mm (K 1000), 304,8 mm (K1200).



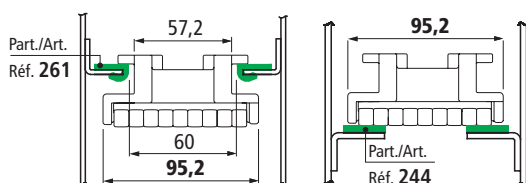
## • PlateTop chains series 1874 - 4874 - 1873

Chain width 82,5 mm (K 325), 114,3 mm (K 450),  
152,4 mm (K 600)

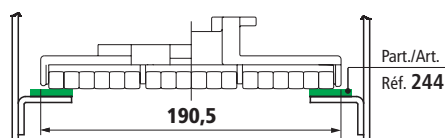


## • Low backline pressure chains series SLBP 882 TAB - SLBP 821

Chain width 95,2 mm (K 375)



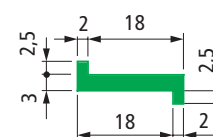
Chain width 190,5 mm (K 750)



## ■ Chain guide profile

| Part. | Colour | Packaging metres | Code  |
|-------|--------|------------------|-------|
| 241   | Green  | 80               | 63641 |
|       | Black  | 80               | 60356 |

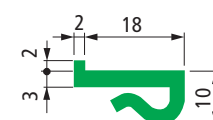
- Standard packaging : coil.



## ■ Chain guide profile

| Part. | Colour | Packaging metres | Code  |
|-------|--------|------------------|-------|
| 251   | Green  | 40               | 63631 |

- Applicable to 2,5 to 4 mm thick sheet metal.  
- Standard packaging : coil.

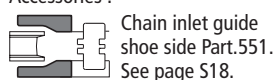


## ■ Chain guide profile

| Part. | Colour | L x H mm | Packaging metres | Code   |
|-------|--------|----------|------------------|--------|
| 244   | Green  | 20 x 3   | 60               | 63711  |
|       |        | 20 x 5   | 80               | 63691  |
|       |        | 25 x 3   | 60               | 63721  |
|       |        | 30 x 3   | 60               | 63731  |
|       |        | 40 x 3   | 60               | 63661  |
|       |        | 40 x 5   | 50               | 608172 |
|       | Black  | 20 x 3   | 60               | 60386  |
|       |        | 20 x 5   | 80               | 60376  |

- Standard packaging : coil.

- Accessories :



See page S18.



Part. 241

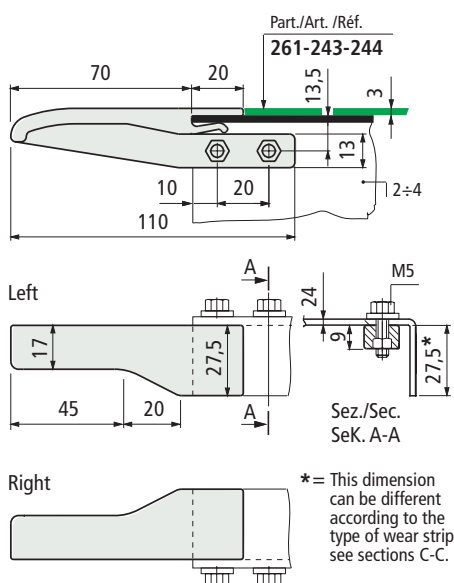
Part. 251

Part. 244



## Part. 551

### Chain inlet guide shoe (side)



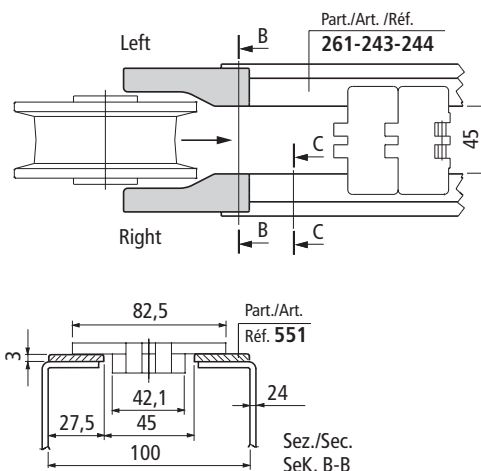
| Part. | State of supply | Code   | Weight kg |
|-------|-----------------|--------|-----------|
| 551   | Left + Right    | 689501 | 0,025     |

- Use : can be used in combination with Part. 261-243-244
- Material : polyamide PA (black).
- Packaging : 25 left + 25 right.

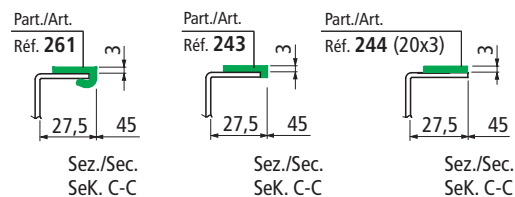
#### • Use for Part. 551

In TableTop® conveyors, chain inlet guide shoes shall be used near the idlers.

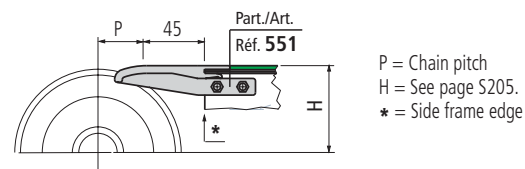
#### • Chain width 82,5 mm (K325).



Types of wear strips that can be used with guide shoe (only thickness 3 mm).



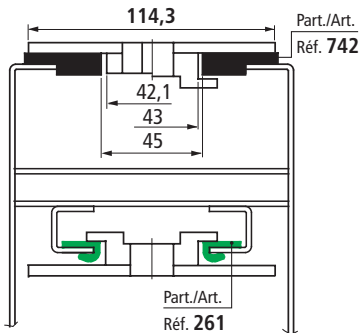
#### • Positioning



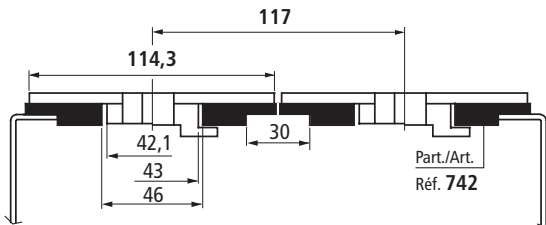
## • Use of part. 742

Ideal with TableTop® chains width 114,3 mm (K450)

Chain width 114,3 mm (K450)



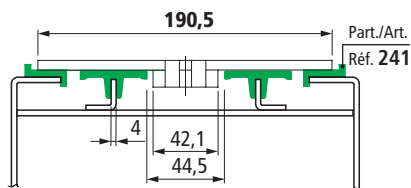
Chain width 114,3 mm (K450)/Pitch 117 mm



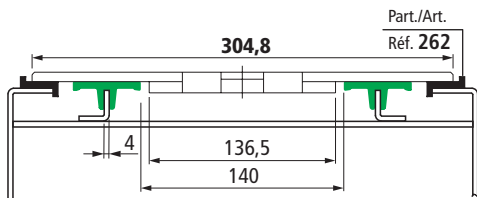
## • Use of part. 674

Ideal as intermediate support for wide chains

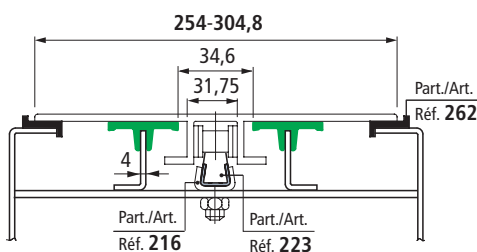
TableTop® chains series 820 width 190,5 (K750)



TableTop® double hinge chains series 821 width 304,8 (K1200)



PlateTop chains series 1873 width 254 (K1000) 304,8 (K1200)

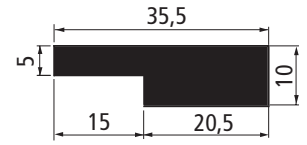


## ■ Chain guide profile

| Part. | Colour | Code   |
|-------|--------|--------|
| 742   | Black  | 697572 |

- Material : Polyethylene UHMWPE with molecular density 5.600.000.
- Packaging : 96 metres. (bars of 6 metres).
- Linear expansion coefficient:  $2 \times 10^{-4}$
- Operating temperature : In air (- 40 to + 80 °C).  
In hot water (+ 70 °C).

## Part. 742



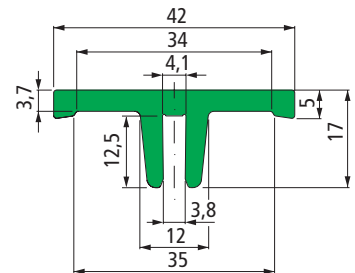
*New Product*

## ■ Chain guide profile

| Part. | Colour | Lenght metres | Code   |
|-------|--------|---------------|--------|
| 674   | Green  | 3             | 675792 |
|       |        | 6             | 675802 |

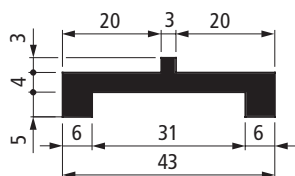
- Material : Polyethylene UHMWPE (green).
- **On request** other colours.
- Applicable to 4 mm thick sheet metal.
- Standard packaging : bars of 3 and 6 metres.
- Packaging : 24 metres.

## Part. 674



*New Product*

## Part. 263



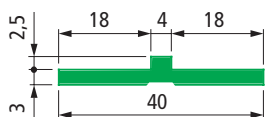
Reinforced version

### Chain guide profile

| Part. | Colour | Length metres | Code             |
|-------|--------|---------------|------------------|
| 263   | Black  | 3<br>6        | 694321*<br>63681 |

- Standard packaging : bars of 3 and 6 metres.  
- Packaging : 96 metres.

## Part. 242

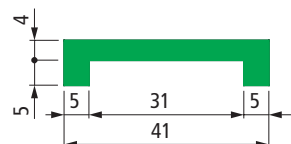


### Chain guide profile

| Part. | Colour | Packaging metres | Code  |
|-------|--------|------------------|-------|
| 242   | Green  | 80               | 63671 |

- Standard packaging : coil.

## Part. 362



Reinforced version

### Chain guide profile

| Part. | Colour | Length metres | Code    |
|-------|--------|---------------|---------|
| 362   | Green  | 3             | 694331* |
|       |        | 6             | 67435   |
|       | Black  | 3             | 694341  |
|       |        | 6             | 61726   |

- Standard packaging : bars of 3 and 6 metres.  
- Packaging : 96 metres.

### Material

Polyethylene UHMWPE with molecular density 5.600.000.

### Linear expansion coefficient

$2 \times 10^{-4}$

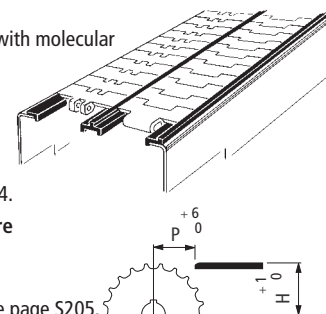
Calculation of thermal expansion see page S204.

### Operating temperature

In air (- 40 to + 80 C).

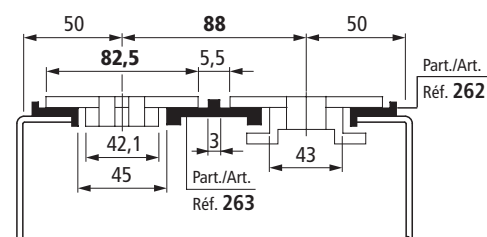
In hot water (+ 70 C).

### Position of guides. See page S205.

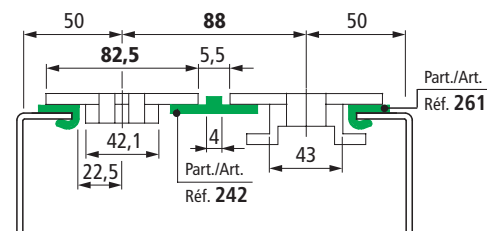


### TableTop® chains series 812 - 815 - 820 - 831 - 881TAB - 8811TAB - 879TAB - 880TAB

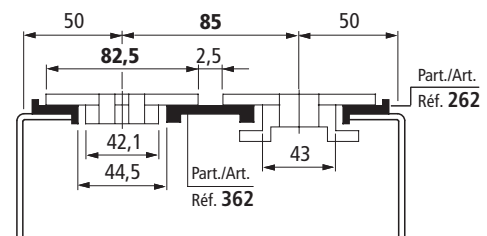
Chain width 82,5 mm (K 325) / Pitch 88 mm



Chain width 82,5 mm (K 325) / Pitch 88 mm



Chain width 82,5 mm (K 325) / Pitch 85 mm

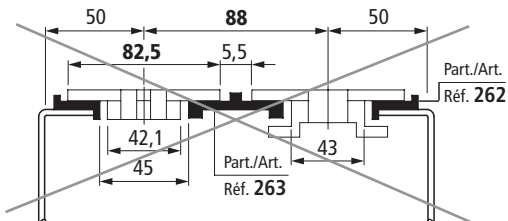


\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

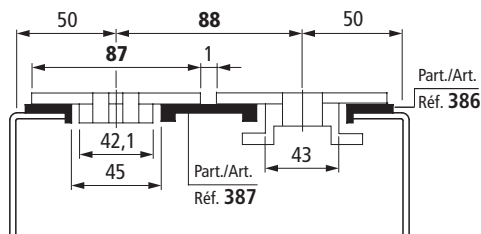
## • TableTop® chains series 820 - 880TAB

Chain width 87 mm (K 343) / Pitch 88 mm

Multi strand conveyors, with 82,5 mm width chains and pitch 88 mm, can be modified to convey PET bottles with pethal bottom or other unstable products.

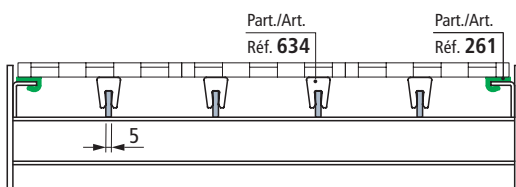


Change chains (from 82,5 mm to 87 mm width) and wear strip, in this way the Gap between chains is reduced (from 5,5 mm to 1 mm) while the conveyor frame is unchanged (pitch 88 mm)



## • MatTop® modular chains

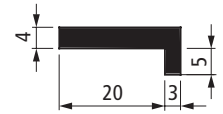
Parallel wear strips. Recommended with medium-light loads.



## ■ Chain guide profile

| Part. | Colour | Packaging metres | Code  |
|-------|--------|------------------|-------|
| 386   | Black  | 45               | 66096 |

- Can be used in combination with Part. 387.
- Standard packaging : coil.



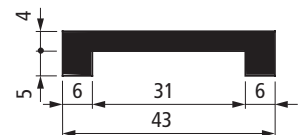
Reinforced version

## Part. 386

## ■ Chain guide profile

| Part. | Colour | Length metres | Code    |
|-------|--------|---------------|---------|
| 387   | Black  | 3             | 694351* |
|       |        | 6             | 66106   |

- Can be used in combination with Part. 386.
- Standard packaging : bars of 3 and 6 metres.
- Packaging : 96 metres.



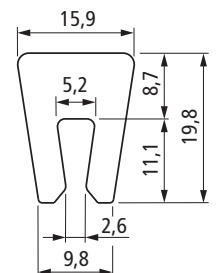
Reinforced version

## Part. 387

## ■ Chain guide profile

| Part. | Colour | Length metres | Code           |                   |
|-------|--------|---------------|----------------|-------------------|
|       |        |               | With Microban® | Without Microban® |
| 634   | White  | 6             | 648132         | 650962            |

- Applicable to 5 mm thick sheet metal.
- Standard packaging : bars of 6 metres.
- Packaging : 96 metres.



## Part. 634

**Microban®**  
antibacterial protection

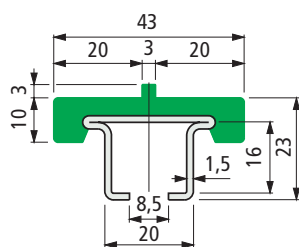
\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.



## Part. 366



## Chain guide profile



| Part. | Metal profile material | Length metres | Code     | Weight kg/m |
|-------|------------------------|---------------|----------|-------------|
| 366   | Inox AISI 304          | 3             | 64056M   | 1,10        |
|       |                        | 6             | 69585M   |             |
|       | Inox AISI 430          | 3             | 693252M* | 1,10        |
|       |                        | 6             | 693262M* |             |

\* = New product

- Colour : green.

- Standard packaging : the plastic and metal profiles are supplied assembled.

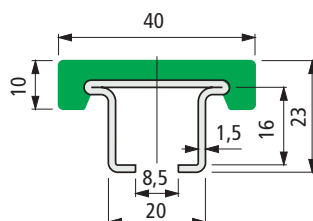
- Plastic profile spare part code : 644071 (6 metres).

- Packaging: 18 metres.

## Part. 367



## Chain guide profile



| Part. | Metal profile material | Length metres | Code     | Weight kg/m |
|-------|------------------------|---------------|----------|-------------|
| 367   | Inox AISI 304          | 3             | 64046M   | 1,10        |
|       |                        | 6             | 69615M   |             |
|       | Inox AISI 430          | 3             | 693272M* | 1,10        |
|       |                        | 6             | 693282M* |             |

\* = New product

- Colour : green.

- Standard packaging : the plastic and metal profiles are supplied assembled.

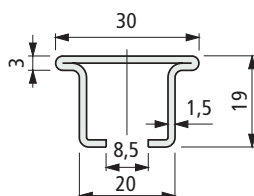
- Plastic profile spare part code : 68309 (6 metres).

- Packaging: 18 metres.

## Part. 368



## Chain guide profile



| Part. | Metal profile material | Length metres | Code    | Weight kg/m |
|-------|------------------------|---------------|---------|-------------|
| 368   | Inox AISI 304          | 3             | 64066   | 0,90        |
|       |                        | 6             | 69645   |             |
|       | Inox AISI 430          | 3             | 693292* | 0,90        |
|       |                        | 6             | 693302* |             |

\* = New product

- Use : recommended with MatTop® chains in abrasive environment / high speed / high temperature.

- Packaging: 18 metres.

## Material

Plastic profile in polyethylene UHMWPE with molecular density 5.600.000.

## Linear expansion coefficient

$2 \times 10^{-4}$

Calculation of thermal expansion see page S204.

## Operating temperature

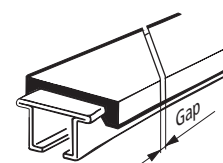
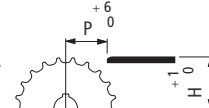
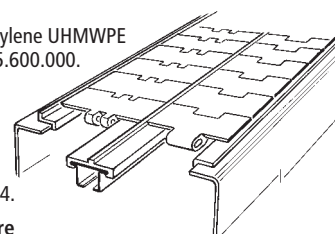
In air (- 40 to + 80 C).

In hot water (+ 70 C).

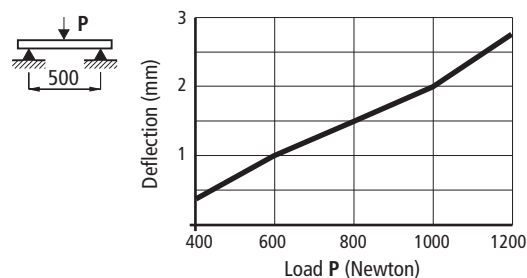
## Position of guides. See page S205.

## Head joint

Head joint shall be made with a 45 cut to avoid steps and guarantee chain smooth movement. With temperature increase it is necessary to leave a gap wide enough to allow for thermal elongation of plastic parts.

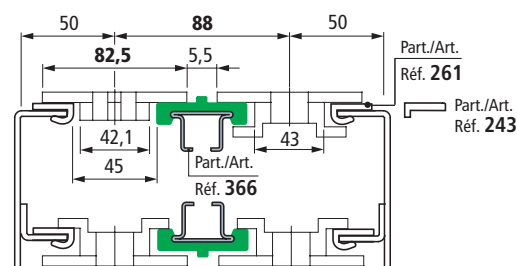


## Deflection of Part. 366-367-368

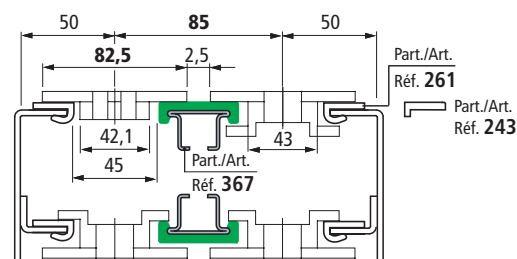


## TableTop® chains series 812 - 815 - 820 - 831 - 881TAB - 8811TAB - 879TAB - 880TAB

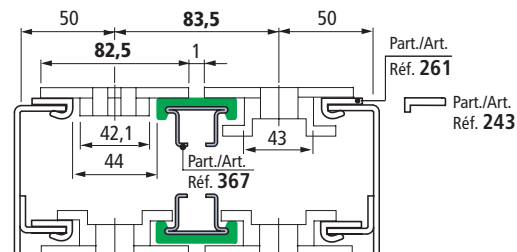
Chain width 82,5 mm (K 325) / Pitch 88 mm



Chain width 82,5 mm (K 325) / Pitch 85 mm

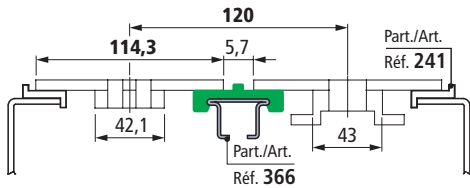


Chain width 82,5 mm (K 325) / Pitch 83,5 mm

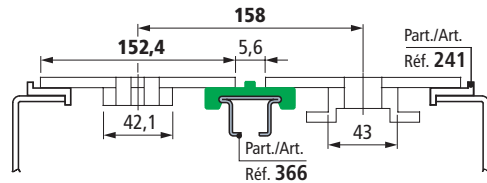


for Part. 366 - 367 - 368

Chain width 114,3 mm (K 450) / Pitch 120 mm

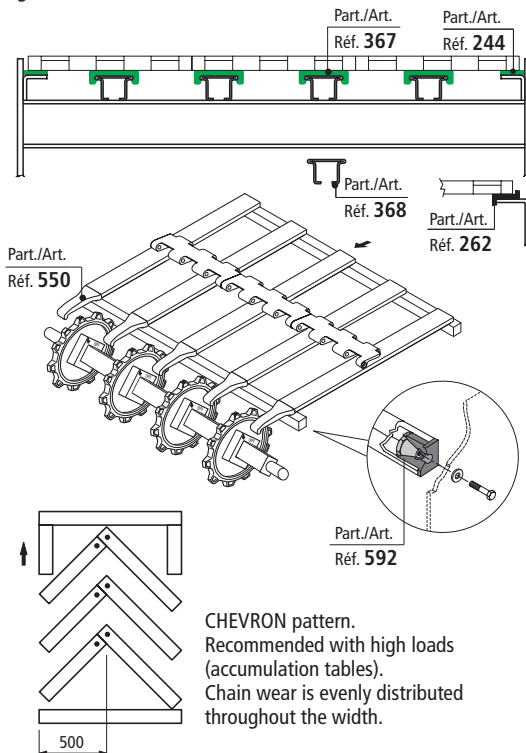


Chain width 152,4 mm (K 600) / Pitch 158 mm



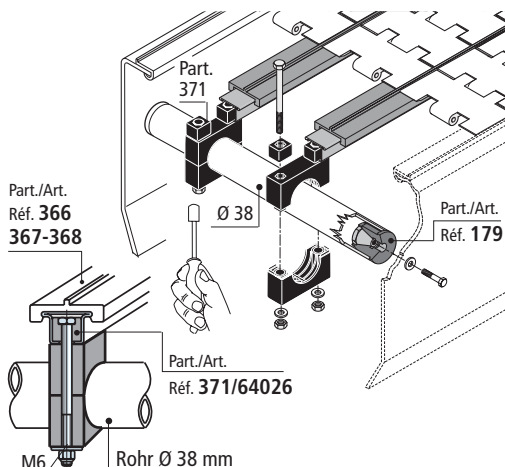
## • MatTop® modular chains

Parallel wear strips. Recommended with medium light loads.

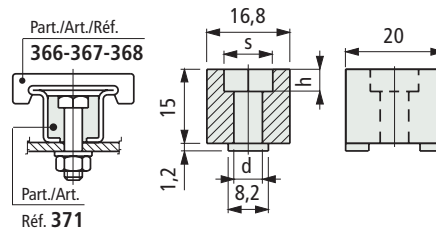


## • Assembly of Part. 559

Part. 371 (M6 version) shall be used to assemble wear strips on Part. 559.



## ■ Mounting block



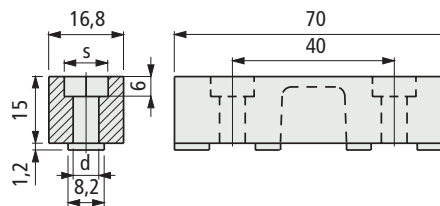
| Part. | d mm                 | h mm | Hexagon s mm | Code   |
|-------|----------------------|------|--------------|--------|
| 371   | 6,2 (for screws M 6) | 4,5  | 10,2         | 64026* |
|       | 8,1 (for screws M 8) | 6    | 13,2         | 61056  |

- Use : easy assembly of wear strips on frame. Assembly with M6 or M8 hexagon bolt.
- Material : reinforced polyamide PA FV (black)
- Packaging : 100 pieces.

## Part. 371



## ■ Connecting block



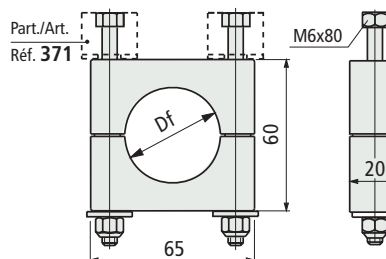
| Part. | d mm                         | Hexagon s mm | Code    |
|-------|------------------------------|--------------|---------|
| 621   | 6,1 (for screws M 6)         | 10,2         | 670562* |
|       | 8,1 (for screws M 8 - 5/16") | 13,2         | 635542  |

- = New product
- Use : easy connection of chain guide profiles Part. 366 - 367 - 368. Assembly with M6 - M8 - 5/16" hexagon bolt.
- Material : reinforced polyamide PA FV (black)
- Packaging : 100 pieces.

## Part. 621



## ■ Connecting block



| Part. | Bore dia. Df mm | Code    |
|-------|-----------------|---------|
| 559   | Ø 38            | 696161* |

- Use : easy assembly of wear strips on tube dia. 38 mm.
- Material : clamp in reinforced polyamide PA FV (black). Bolts and nuts in stainless steel AISI 304. Self-locking nuts.
- Packaging : 50 pieces.

## Part. 559

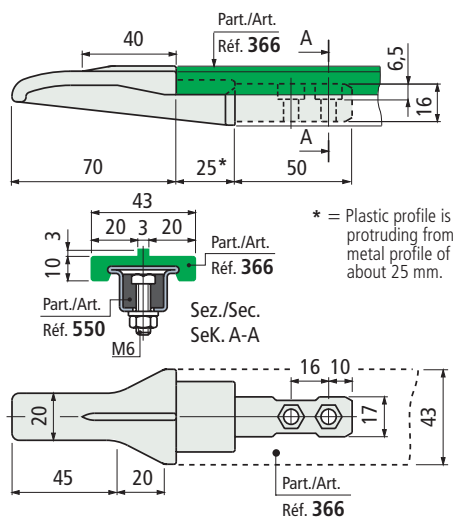


\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

## Part. 550



### Chain inlet guide shoe (centre)



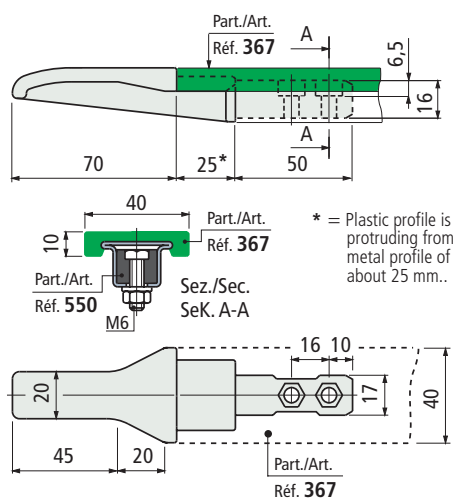
| Part. | Code   | Weight kg |
|-------|--------|-----------|
| 550   | 689481 | 0,042     |

- Use : can be used in combination with Part. 366.
- Material : polyamide PA (black).
- Packaging : 50 pieces.

## Part. 550



### Chain inlet guide shoe (centre)



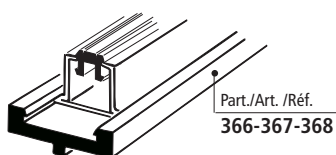
| Part. | Code   | Weight kg |
|-------|--------|-----------|
| 550   | 689491 | 0,042     |

- Use : can be used in combination with Part. 367.
- Material : polyamide PA (black).
- Packaging : 50 pieces

## Part. 370



### Sealing profile



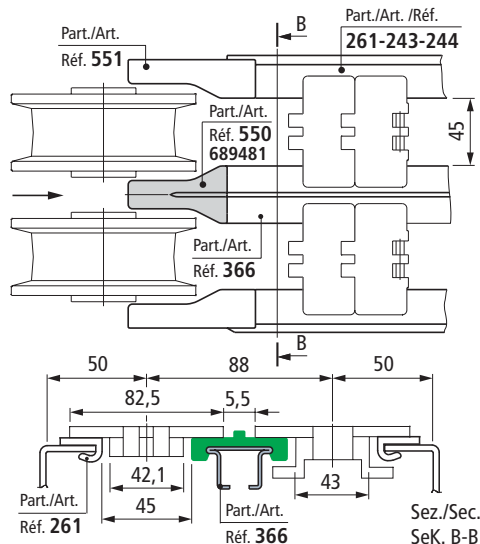
| Part. | Code   |
|-------|--------|
| 370   | 61036* |

- Use : when applied to the metal profile, this product improves guide cleanliness.
- Material : rubber EPDM 80 (black).
- Packaging : 20 metres (coil).

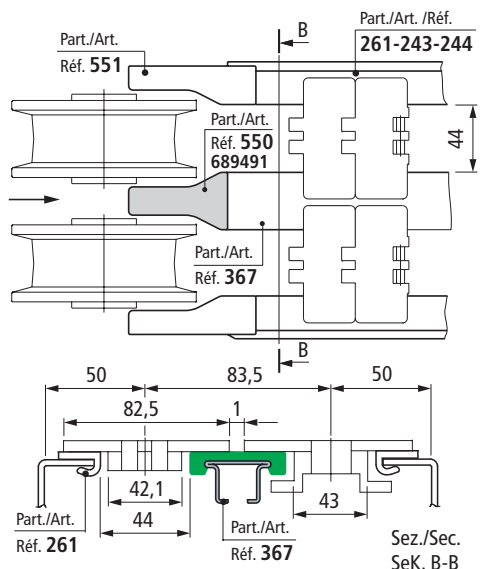
\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

In TableTop® conveyors, chain inlet guide shoes shall be used near the idlers.  
In MatTop® conveyors can be used near the sprockets too.

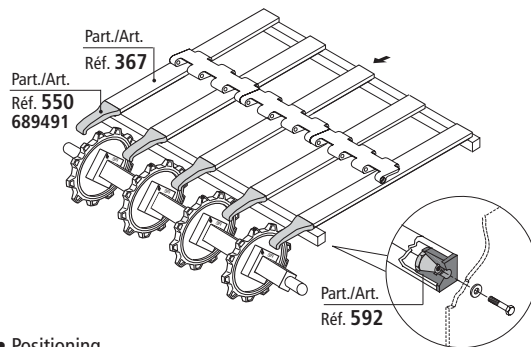
- Chain width 82,5 mm (K325) / Pitch 88 mm.



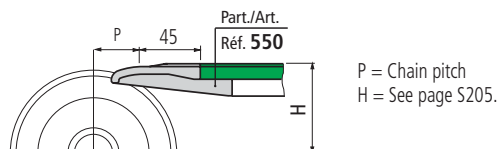
- Chain width 82,5 mm (K325) / Pitch 83,5 mm.



- Example of use of Part. 550 in a MatTop® conveyor.



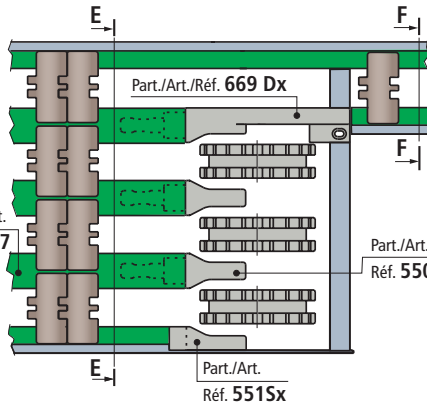
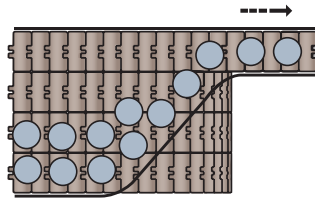
- Positioning



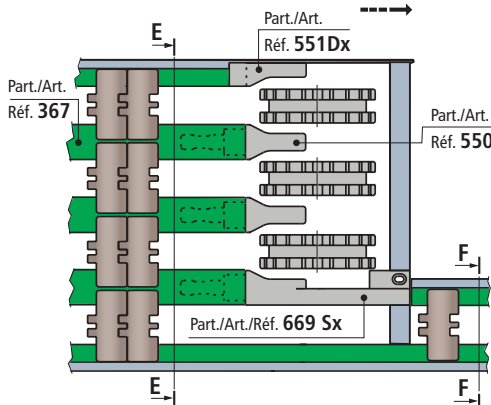
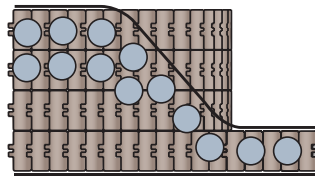
P = Chain pitch  
H = See page S205.

for Part. 367

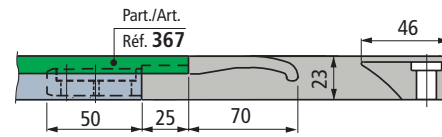
• Right shoe Dx



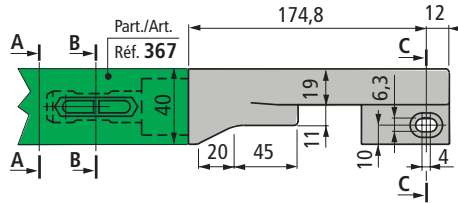
• Left shoe Sx



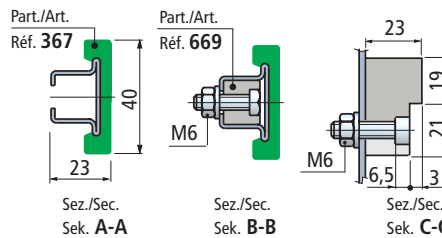
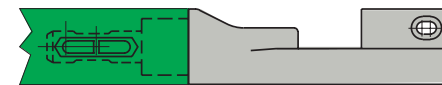
■ Side transfer guide shoe



Version right Dx



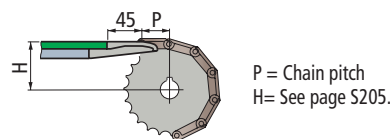
Version left Sx



| Part. | Material                     | Version  | Code   | Weight kg |
|-------|------------------------------|----------|--------|-----------|
| 669   | Polyethylene UHMWPE (white)* | Right Dx | 686422 | 0,1       |
|       |                              | Left Sx  | 686432 |           |
|       | Poliammide PA (nera)         | Right Dx | 674212 | 0,1       |
|       |                              | Left Sx  | 674222 |           |

- Use : chain guide during side transfer
- \* = Better resistance against chemical agents.
- Packaging : 10 pieces

• Positioning



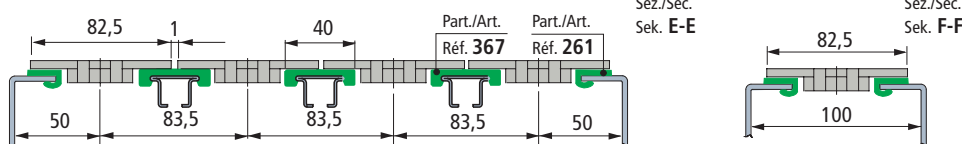
Part. 669



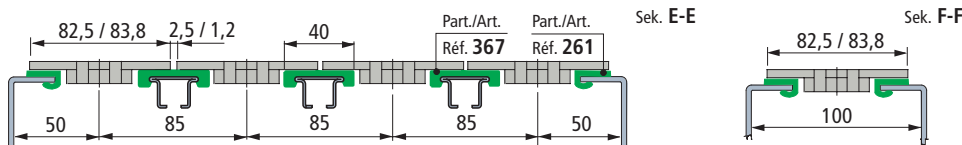
New Product

• TableTop® chains series 812-815-820-831-881TAB-8811TAB-879TAB-880TAB

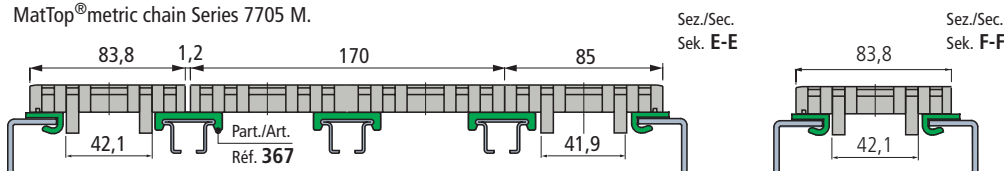
Chain width 82,5 mm (K325) / Pitch 83,5 mm



Chain width 82,5 mm (K325) - 83,8 mm (K330) / Pitch 85 mm



MatTop® metric chain Series 7705 M.





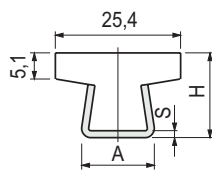
# Part. 768



New  
Product



## Chain-guide profile



| S<br>mm | H<br>mm | A<br>mm |
|---------|---------|---------|
| 1,5     | 17      | 16      |
| 2       | 17,5    | 17      |

| Part. | Thickness<br>S<br>mm | Metal<br>profile<br>material | Length<br>metres | Code   | Weight<br>kg/m |
|-------|----------------------|------------------------------|------------------|--------|----------------|
| 768   | 1,5                  | Inox AISI 304                | 3                | 609083 | 0,63           |
|       |                      | Zinc plated steel            | 6                | 609093 |                |
|       | 2                    | Inox AISI 304                | 3                | 609113 | 0,74           |
|       |                      |                              | 6                | 609123 |                |

- Material : plastic profile in Polyethylene UHMWPE with molecular density 5.600.000 with Microban® antibacterial protection.
- Colour : white.
- Min. curvature radius : 160 mm.
- Linear expansion coefficient :  $4 \times 10^{-5}$ .
- Packaging : 24 metres.

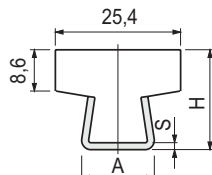
# Part. 767



New  
Product



## Chain-guide profile



| S<br>mm | H<br>mm | A<br>mm |
|---------|---------|---------|
| 1,5     | 20,5    | 16      |
| 2       | 21      | 17      |

| Part. | Thickness<br>S<br>mm | Metal<br>profile<br>material | Length<br>metres | Code   | Weight<br>kg/m |
|-------|----------------------|------------------------------|------------------|--------|----------------|
| 767   | 1,5                  | Inox AISI 304                | 3                | 609033 | 0,72           |
|       |                      | Zinc plated steel            | 6                | 609043 |                |
|       | 2                    | Inox AISI 304                | 3                | 609063 | 0,82           |
|       |                      |                              | 6                | 609073 |                |

- Material : plastic profile in Polyethylene UHMWPE with molecular density 5.600.000 with Microban® antibacterial protection.
- Colour : white.
- Min. curvature radius : 160 mm.
- Linear expansion coefficient :  $4 \times 10^{-5}$ .
- Packaging : 24 metres.

## Material

Plastic profile in Polyethylene UHMWPE with molecular density 5.600.000.  
Metal Profile material inox AISI 304 or zinc plated steel.

## Linear expansion coefficient

$4 \times 10^{-5}$

Calculation of thermal expansion see page S204.

## Operating temperature

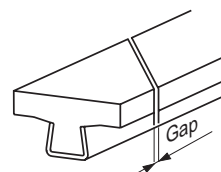
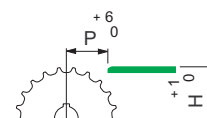
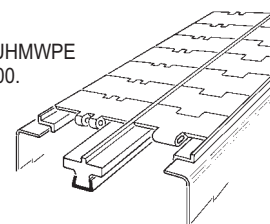
In air (- 40 a + 80 C).  
In hot water (+ 70 C).

## Positioning.

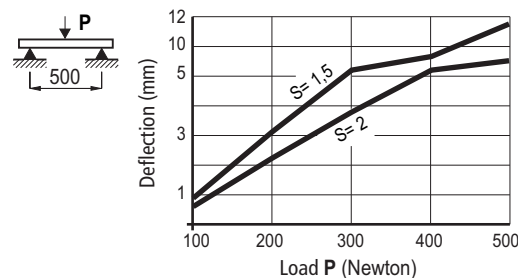
See page S205.

## Head Joint

Head joint shall be made with a 45 cut to avoid steps and guarantee chain smooth movement.  
With temperature encrease it is necessary to leave a gap wide enough to allow for thermal elongation of plastic parts.

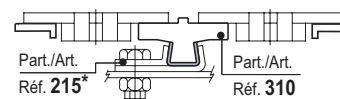
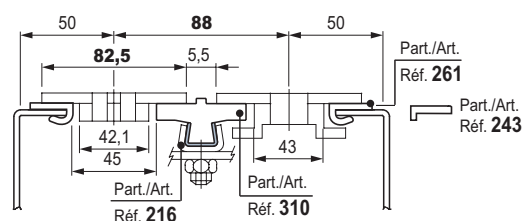


## Deflection of Part. 223-310-356



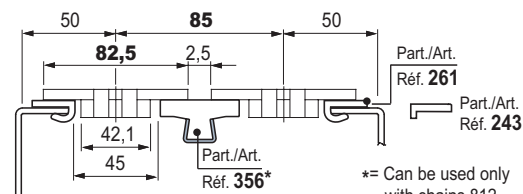
## Table Top® chain series 812 - 815 - 820 - 831 - 881TAB - 8811TAB - 879TAB - 880TAB

Chain width 82,5 mm (K 325) / Pitch 88 mm



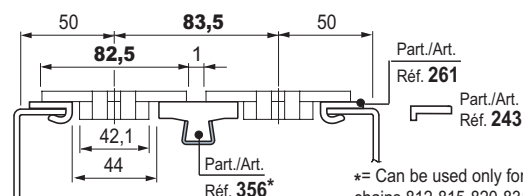
\*= Fixing clamp can be used only with chains 812-815-820-831

Chain width 82,5 mm (K 325) / Pitch 85 mm



\*= Can be used only with chains 812-815-820-831

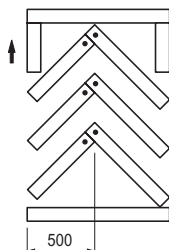
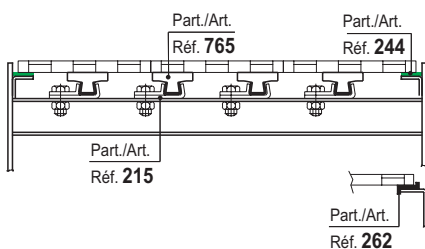
Chain width 82,5 mm (K 325) / Pitch 83,5 mm



\*= Can be used only for chains 812-815-820-831

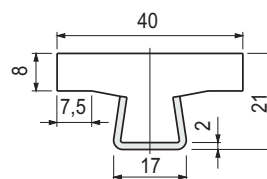
## • MatTop® modular chain

Parallel wear strip.  
Recommended with medium-light loads.



CHEVRON pattern.  
Recommended with high loads  
(accumulation tables)  
Chain wear is evenly distributed  
throughout the width.

## ■ Chain-guide profile



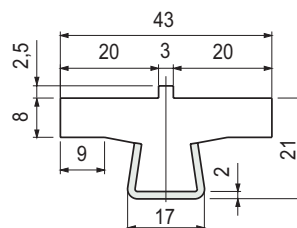
| Part. | Colour | Length<br>metres | Code              |                      | Weight<br>kg/m |
|-------|--------|------------------|-------------------|----------------------|----------------|
|       |        |                  | With<br>Microban® | Without<br>Microban® |                |
| 356   | White  | 3                | 605173            | 61605                | 0,89           |
|       |        | 6                | 652002            | 61615                |                |

- Material : metal profile inox AISI 304.
- Packaging : 24 metres.

## Part. 356



## ■ Chain-guide profile



| Part. | Colour | Length<br>metres | Code  | Weight<br>kg/m |
|-------|--------|------------------|-------|----------------|
| 310   | White  | 3                | 65612 | 0,95           |
|       |        | 6                | 69412 |                |

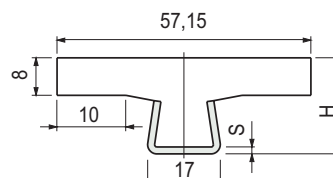
- Material : metal profile inox AISI 304.
- Packaging : 24 metres.

## Part. 310



## ■ Chain-guide profile

| S   | H    | A  |
|-----|------|----|
| mm  | mm   | mm |
| 1,5 | 20,5 | 16 |
| 2   | 21   | 17 |



| Part. | Thickness<br>S<br>mm | Metal<br>profile<br>material | Length<br>metres | Code   | Weight<br>kg/m |
|-------|----------------------|------------------------------|------------------|--------|----------------|
| 765   | 1,5                  | Inox AISI 304                | 3                | 608943 | 0,95           |
|       |                      |                              | 6                | 608953 |                |
|       | 2                    | Zinc plated steel            | 3                | 608963 | 1,06           |
|       |                      |                              | 6                | 608973 |                |
|       | 2                    | Inox AISI 304                | 3                | 608973 | 1,06           |
|       |                      |                              | 6                | 608983 |                |

- Material : plastic profile in Polyethylene UHMWPE with molecular density 5.600.000 with Microban® antibacterial protection.
- Colour : white.
- Min. curvature radius : 200 mm.
- Linear expansion coefficient :  $4 \times 10^{-5}$
- Packaging : 24 metres.

## Part. 765



New  
Product



\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

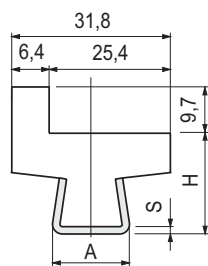
# Part. 766



New  
Product



## Chain-guide profile

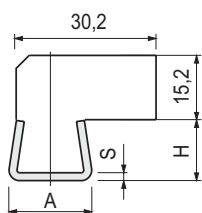


| S<br>mm | H<br>mm | A<br>mm |
|---------|---------|---------|
| 1,5     | 20,5    | 16      |
| 2       | 21      | 17      |

| Part. | Thickness<br>S<br>mm | Metal<br>profile<br>material | Length<br>metres | Code   | Weight<br>kg/m |
|-------|----------------------|------------------------------|------------------|--------|----------------|
| 766   | 1,5                  | Inox AISI 304                | 3                | 608993 | 0,82           |
|       |                      |                              | 6                | 609003 |                |
|       | 2                    | Inox AISI 304                | 3                | 609013 | 0,93           |
|       |                      |                              | 6                | 609023 |                |

- Material : plastic profile in Polyethylene UHMWPE with molecular density 5.600.000 with Microban® antibacterial protection
- Colour : white.
- Linear expansion coefficient :  $4 \times 10^{-5}$
- Packaging : 24 metres.

## Chain-guide profile



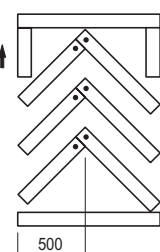
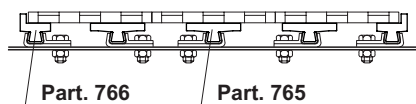
| S<br>mm | H<br>mm | A<br>mm |
|---------|---------|---------|
| 1,5     | 25,7    | 16      |
| 2       | 26,2    | 17      |

| Part. | Thickness<br>S<br>mm | Metal<br>profile<br>material | Length<br>metres | Code   | Weight<br>kg/m |
|-------|----------------------|------------------------------|------------------|--------|----------------|
| 764   | 1,5                  | Inox AISI 304                | 3                | 608903 | 0,93           |
|       |                      |                              | 6                | 608913 |                |
|       | 2                    | Inox AISI 304                | 3                | 608923 | 1,03           |
|       |                      |                              | 6                | 608933 |                |

- Material : plastic profile in Polyethylene UHMWPE with molecular density 5.600.000 with Microban® antibacterial protection.
- Colour : white.
- Linear expansion coefficient :  $4 \times 10^{-5}$
- Packaging : 24 metres.

## MatTop® modular chain

Parallel wear strip.  
Recommended with medium-light loads.



CHEVRON pattern.  
Recommended with high loads (accumulation tables)  
Chain wear is evenly distributed throughout the width.

## Material

Plastic profile in Polyethylene UHMWPE with molecular density 5.600.000.  
Metal Profile material inox AISI 304 or zinc plated steel.

## Linear expansion coefficient

$4 \times 10^{-5}$

Calculation of thermal expansion see page S204.

## Operating temperature

In air (- 40 a + 80 C).  
In hot water (+ 70 C).

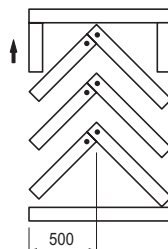
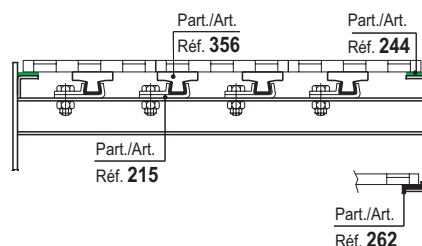
## Positioning.

## Head Joint

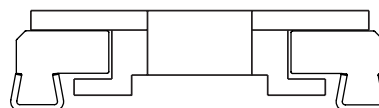
Head joint shall be made with a 45 cut to avoid steps and guarantee chain smooth movement.  
With temperature increase it is necessary to leave a gap wide enough to allow for thermal elongation of plastic parts.

## MatTop® modular chain

Parallel wear strip.  
Recommended with medium-light loads.

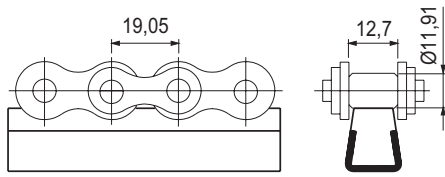


CHEVRON pattern.  
Recommended with high loads (accumulation tables)  
Chain wear is evenly distributed throughout the width.



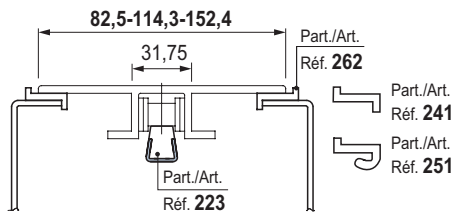
## • Use of Part. 223

ANSI 60 American series roller chain (pitch 19,05 mm, roller Ø 11,91 mm, internal width 12,7 mm).

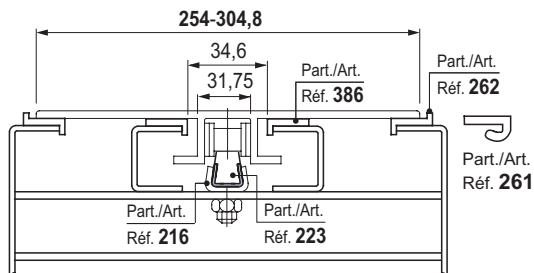


## • PlateTop chain series 1874-4874-1873

Chain width 82,5 mm (K 325), 114,3 mm (K 450), 152,4 mm (K 600)

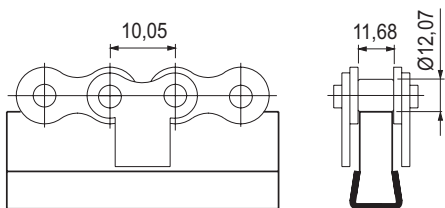


Chain width 254 mm (K 1000), 304,8 mm (K 1200)

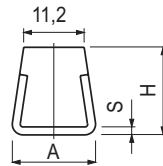


## • Use of Part. 274

ISO 12 B1 European series roller chains with straight connections (pitch 10,05 mm, roller Ø 12,07 mm, internal width 11,68 mm).



## ■ Chain-guide profile



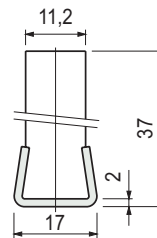
| S<br>mm | H<br>mm | A<br>mm |
|---------|---------|---------|
| 1,5     | 17,5    | 16      |
| 2       | 18      | 17      |

| Part. | Thickness<br>S<br>mm | Metal<br>profile<br>material | Length<br>metres | Code          | Weight<br>kg/m |
|-------|----------------------|------------------------------|------------------|---------------|----------------|
| 223   | 1,5                  | Inox AISI 304                | 3                | <b>61031</b>  | 0,54           |
|       |                      |                              | 6                | <b>69402</b>  |                |
|       | 2                    | Zinc plated steel            | 3                | <b>63971</b>  |                |
|       |                      |                              | 6                | <b>61743*</b> |                |
|       | 2                    | Inox AISI 304                | 3                | <b>61743*</b> |                |
|       |                      |                              | 6                | <b>67123</b>  |                |

- Colour : white.

- Packaging : 24 metres (in 3 m length).  
48 meters (in 6 m length).

## ■ Chain-guide profile



| Part. | Colour | Length<br>metres | Code         | Weight<br>kg/m |
|-------|--------|------------------|--------------|----------------|
| 274   | White  | 3                | <b>66801</b> | 0,79           |

- Material : metal profile inox AISI 304.

- Packaging : 24 metres

## Part. 223



## Part. 274



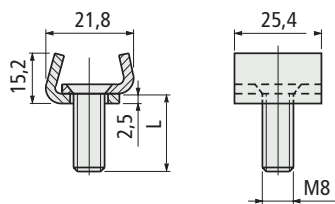
\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.



## Part. 903



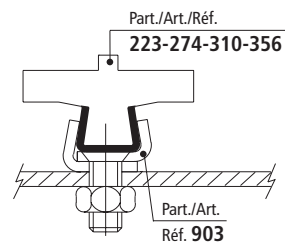
### ■ ViseClamp™



| Part. | L<br>mm | Code    |
|-------|---------|---------|
| 903   | 20      | 656001* |

- Material : stainless steel AISI 303.
- Packaging : 50 pieces.

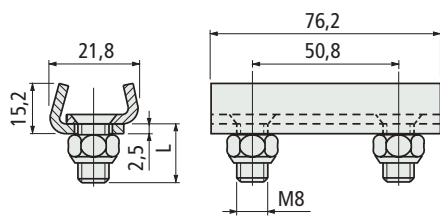
### • Use of Part. 903



## Part. 902



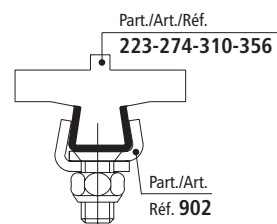
### ■ ViseSplice™



| Part. | L<br>mm | Code    |
|-------|---------|---------|
| 902   | 15      | 656041* |

- Material : stainless steel AISI 303.
- Self-locking nut.
- Packaging : 50 pieces.

### • Use of Part. 902

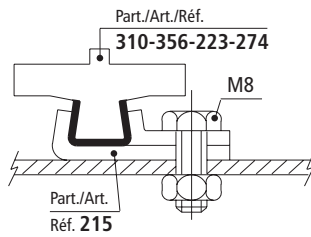


\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

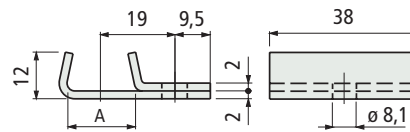
# Chain - Guide Profiles

for Part. 223 - 274 - 310 - 356

## • Use of Part. 215



## ■ Clamp



A = 16,5 mm (with S = 1,5)  
A = 17 mm (with S = 2)

| Part. | Use                                    | Code  |
|-------|----------------------------------------|-------|
| 215   | For Part. 223 (with S = 1,5)           | 60121 |
|       | For Part. 223 (with S = 2)-274-310-356 | 65976 |

- Use : easy assembly of guide profiles Part. 310-356-223-274.

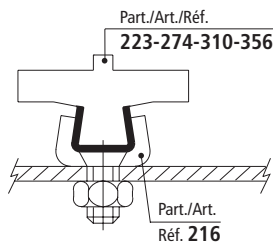
- Material : stainless steel AISI 304.

- Packaging : 50 pieces.

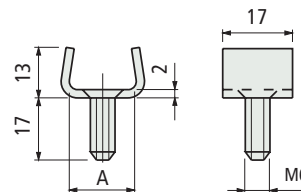


**Part. 215**

## • Use of Part. 216



## ■ Clamp



A = 16,5 mm (with S = 1,5)  
A = 17 mm (with S = 2)

| Part. | Use                                    | Code   |
|-------|----------------------------------------|--------|
| 216   | For Part. 223 (with S = 1,5)           | 60131* |
|       | For Part. 223 (with S = 2)-274-310-356 | 64244  |

- Use : easy assembly of guide profiles Part. 310-356-223-274.

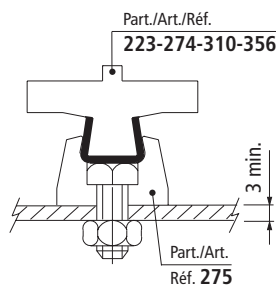
- Material : stainless steel AISI 304.

- Packaging : 50 pieces.

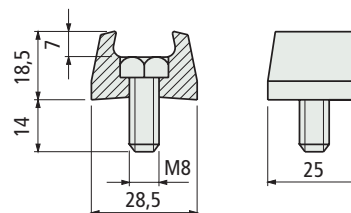


**Part. 216**

## • Use of Part. 275



## ■ Clamp



| Part. | Use                                          | Code  |
|-------|----------------------------------------------|-------|
| 275   | For Part. 223 (with S=1,5 e 2) - 274-310-356 | 66811 |

- Use : easy assembly of guide profiles Part. 310-356-223-274.

- Material : body in acetal resin POM (black), bolt in stainless steel AISI 304.

- Packaging : 100 pieces.



**Part. 275**

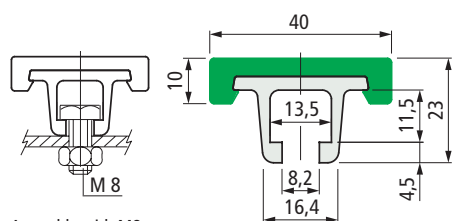
\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

# Part. 422



In aluminium

## Chain-guide profile



Assembly with M8 hexagon bolt

| Part. | Colour | Length metres | Code   | Weight kg/m |
|-------|--------|---------------|--------|-------------|
| 422   | Verde  | 3             | 65248M | 0,7         |
|       |        | 6             | 65258M |             |

- Standard packaging : the plastic and metal profiles are supplied assembled.
- Plastic profile spare part code : 68309 (6 metres).
- Packaging : 48 metres.

## Material

Plastic profile in polyethylene UHMWPE with molecular density 5.600.000. Metal profile in anodized aluminium.

## Linear expansion coefficient

$2 \times 10^{-4}$   
Calculation of thermal expansion see page S204.

## Operating temperature

In air (- 40 a + 80 C).

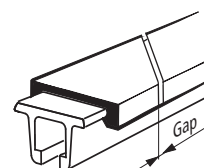
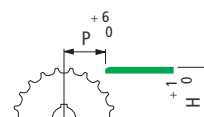
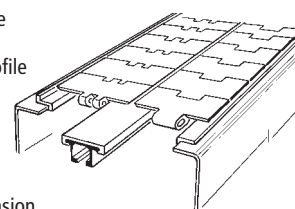
## Position of guides. See page S205.

## Not recommended in wet conveyors

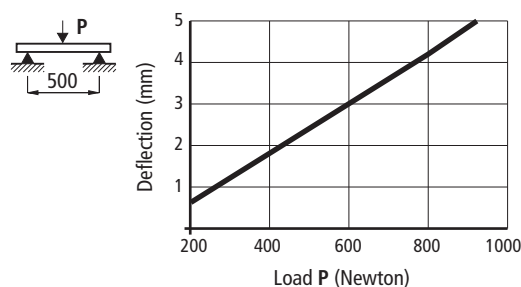
To avoid corrosion in contact with cleaning agents.

## Head joint

Head joint shall be made with a 45 cut to avoid steps and guarantee chain smooth movement. With temperature increase it is necessary to leave a gap wide enough to allow for thermal elongation of plastic parts.

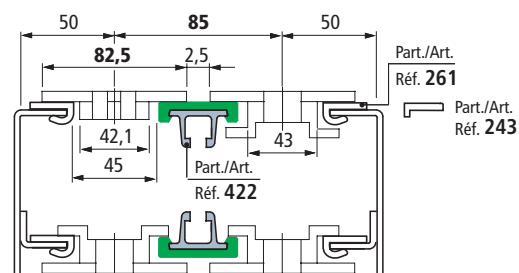


## Deflection

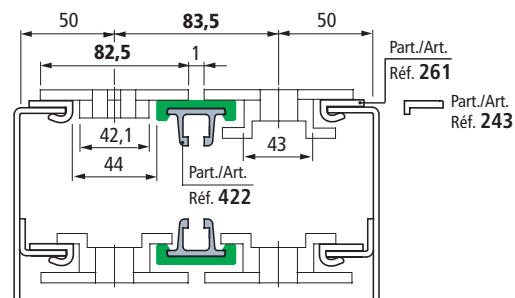


## TableTop® chains series 812 - 815 - 820 - 831- 881TAB - 8811TAB - 879TAB - 880TAB

Chain width 82,5 mm (K 325) / Pitch 85 mm

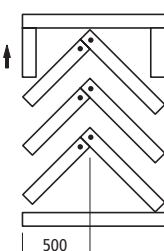
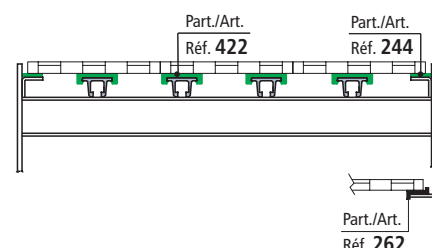


Chain width 82,5 mm (K 325) / Pitch 83,5 mm



## MatTop® modular chains

Parallel wear strips. Recommended with medium-light loads.



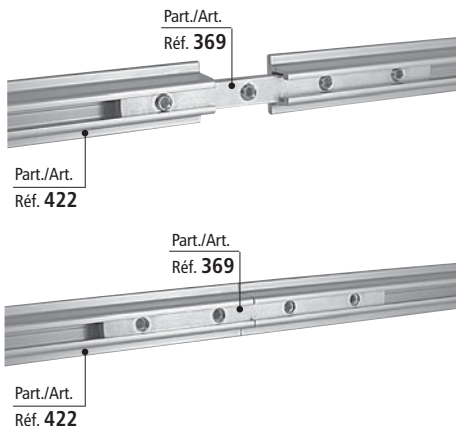
CHEVRON pattern. Recommended with high loads (accumulation tables). Chain wear is evenly distributed throughout the width.

# Chain - Guide Profiles

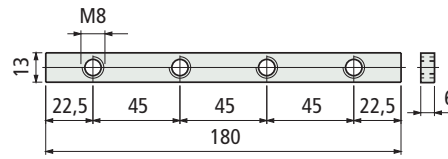
for Part. 422

## • Assembly of Part. 369

Insert the guides and tighten the set screws.



## ■ Connecting bar



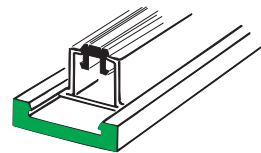
| Part. | Code  |
|-------|-------|
| 369   | 69995 |

- Material : zinc plated steel.
- Weight : 0,1 Kg.
- Packaging : 8 pieces.

## Part. 369



## ■ Sealing profile



| Part. | Code   |
|-------|--------|
| 370   | 61036* |

- Use : when applied to the metal profile, this product improves guide cleanliness.
- Material : rubber EPDM 80 (black).
- Standard packaging : coil.
- Packaging : 20 metres.

## Part. 370



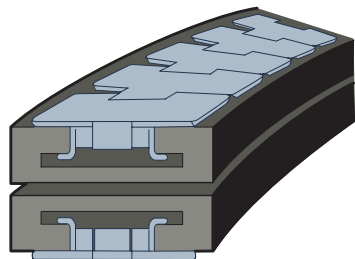
\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

## Corner tracks and straight tracks for TableTop® Series:

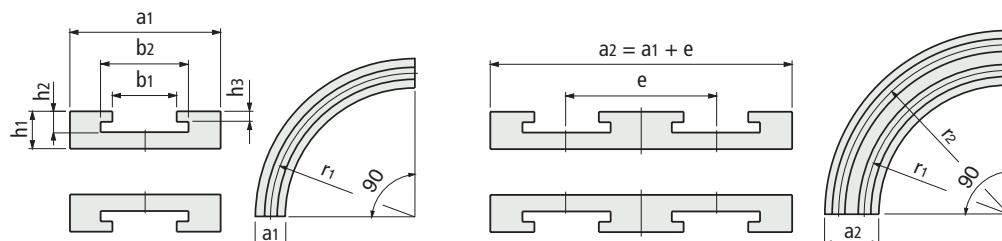
- 881 TAB
- 8811 TAB
- 879 TAB - 879 TAB BO
- 880 TAB - 880 TAB BO
- RH - RHD
- FT 1050 TAB - FT 1055 TAB
- LBP 879 BO



## Series KTU

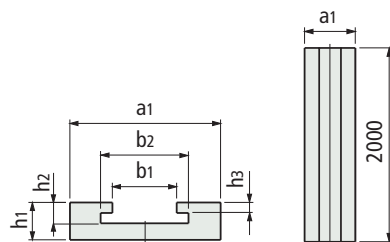
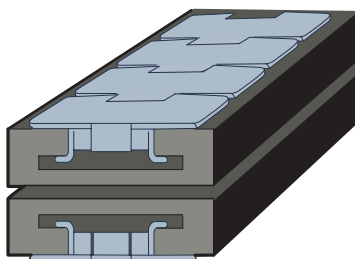


### ■ Corner tracks



| Type of chain                                                                                                                                              | Chain width mm | Radius r1 mm | Width a1 mm | ± 0.5 b1 mm | b2 mm | h1 mm | h2 mm | h3 mm | Pitch e mm | Code      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|-------------|-------------|-------|-------|-------|-------|------------|-----------|
| 879TAB-K325, 880TAB-K325<br>880TAB BO-K325, 879TAB BO-K325<br>881TAB-K325, 8811TAB-K325<br>SRH325, RH325, RHD325<br>FT1050TAB, FT1055TAB<br>LBP879 BO-K325 | 82,5           | 500          | 100         | 45          | 70    | 25    | 20    | 10    | 90         | 787.00.02 |
| 879TAB-K450, 880TAB-K450<br>879TAB-K450 BO, 880TAB-K450 BO<br>880TAB-K454, 881TAB-K450<br>8811TAB-K450, RH450, RHD450                                      | 114,3          | 610          | 125         | 45          | 70    | 25    | 20    | 10    | 120        | 787.01.09 |
| 881TAB-K750, 8811TAB-K750                                                                                                                                  | 190,5          | 610          | 200         | 45          | 70    | 25    | 20    | 10    | 195        | 787.00.07 |

## Series STU



| Type of chain                                                                                                                                              | Chain width mm | Width a1 mm | b1 mm | b2 mm | h1 mm | h2 mm | h3 mm | Code      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|-------|-------|-------|-------|-------|-----------|
| 879TAB-K325, 880TAB-K325<br>880TAB BO-K325, 879TAB BO-K325<br>881TAB-K325, 8811TAB-K325<br>SRH325, RH325, RHD325<br>FT1050TAB, FT1055TAB<br>LBP879 BO-K325 | 82,5           | 100         | 45    | 70    | 25    | 20    | 10    | 787.90.09 |
| 879TAB-K450, 880TAB-K450<br>879TAB-K450 BO, 880TAB-K450 BO<br>880TAB-K454, 881TAB-K450<br>8811TAB-K450, RH450, RHD450                                      | 114,3          | 130         | 45    | 70    | 25    | 20    | 10    | 787.90.04 |

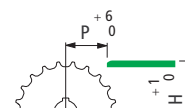
- **Material** : polyethylene UHMWPE (black) with molecular density 1.000.000.
- **Standard packaging** : the corner tracks are supplied complete with carry and return sections. Straight tracks are supplied as single profile 2 m long.
- **Special dimensions** on application.

- **For multiple strand versions please refer to Customer Service and/or Chain Catalogue**

- **Linear expansion coefficient** :  $2 \times 10^{-4}$   
Calculation of thermal expansion see page S204.

- **Operating temperature** :  
In air (-40 to + 80 C).  
In hot water (+ 70 C).

- **Positioning** : see page S205.

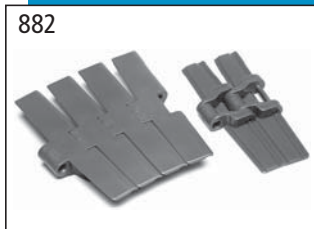




## Corner tracks for TableTop®

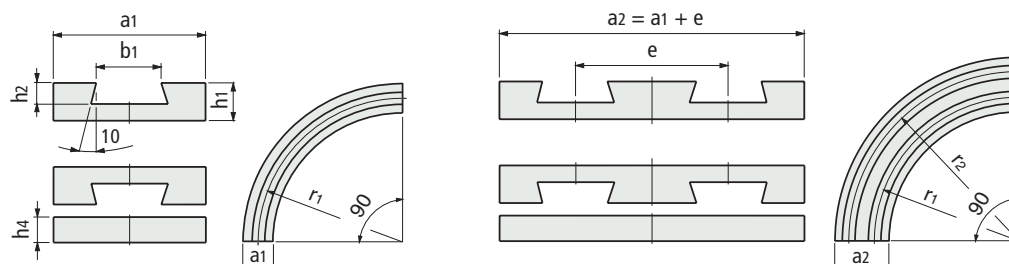
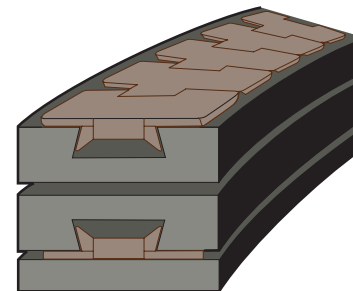
Series:

- 882 BEVEL



### ■ Corner tracks

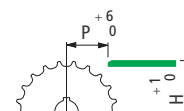
## Series KSU200



| Type of chain | Chain width mm | Radius r1 mm | Width a1 mm | $\pm 0.5$ b1 mm | h1 mm | h2 mm | h4 mm | Pitch e mm | Code<br>1 strand |
|---------------|----------------|--------------|-------------|-----------------|-------|-------|-------|------------|------------------|
| 882 - K450    | 114,3          | 610          | 125         | 58              | 27    | 21    | 16    | 120        | 787.00.95        |
| 882 - K750    | 190,5          | 610          | 200         | 58              | 27    | 21    | 16    | 195        | 787.00.96        |
| 882 - K1000   | 254            | 610          | 265         | 58              | 27    | 21    | 16    | 260        | 787.01.06        |

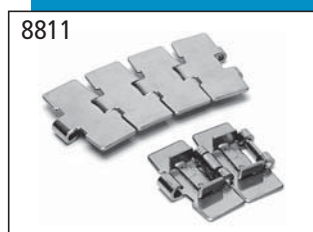
- **Material** : polyethylene UHMWPE (black) with molecular density 1.000.000.
- **Standard packaging** : the corner tracks are supplied complete with carry and return sections.
- **Special dimensions** on application.
- **For multiple strand versions please refer to Customer Service and/or Chain Catalogue**

- **Linear expansion coefficient** :  $2 \times 10^{-4}$   
Calculation of thermal expansion see page S204.
- **Operating temperature** :  
In air (-40 to + 80 C).  
In hot water (+ 70 C).
- **Positioning** : see page S205.

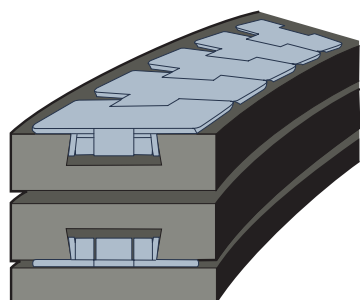


## Corner tracks and straight tracks for TableTop® Series:

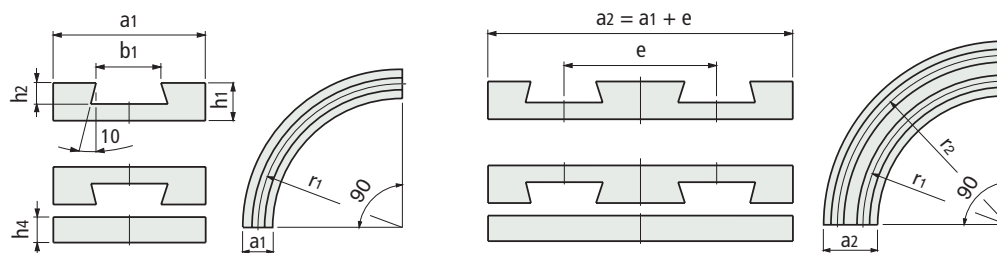
- 880 BEVEL
- 879 BEVEL
- 8811 BEVEL
- 881 BEVEL



## Series KSU

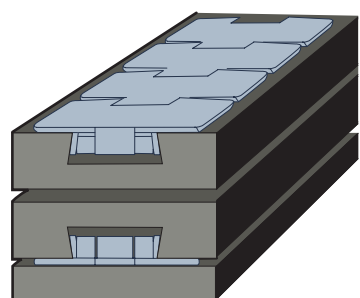


### ■ Corner tracks

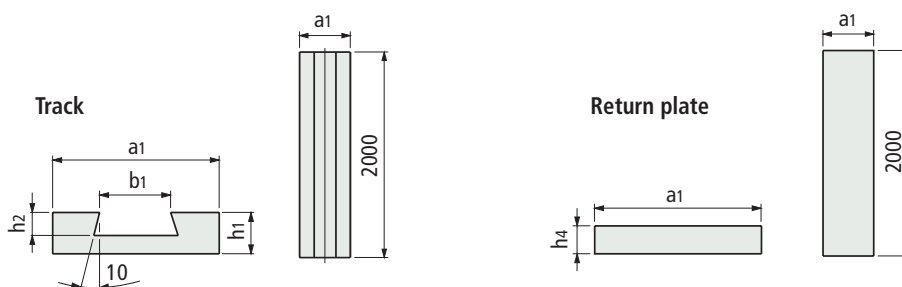


| Type of chain                             | Chain width mm | Radius r1 mm | Width a1 mm | $b1 \pm 0.5$ mm | h1 mm | h2 mm | h4 mm | Pitch e mm | Code 1 strand    |
|-------------------------------------------|----------------|--------------|-------------|-----------------|-------|-------|-------|------------|------------------|
| 880-K325, 879-K325<br>881-K325, 8811-K325 | 82,5           | 500          | 100         | 41,4            | 25    | 18    | 16    | 90         | <b>787.00.85</b> |
| 880-K450, 881-K450<br>8811-K450           | 114,3          | 610          | 125         | 41,4            | 25    | 18    | 16    | 120        | <b>787.00.17</b> |
| 881-K750<br>8811-K750                     | 190,5          | 610          | 200         | 41,4            | 25    | 18    | 16    | 195        | <b>787.00.94</b> |

## Series SSU



### ■ Straight tracks



| Type of chain                             | Chain width mm | Width a1 mm | b1 mm | h1 mm | h2 mm | h4 mm | Code Track       | Code Return plate |
|-------------------------------------------|----------------|-------------|-------|-------|-------|-------|------------------|-------------------|
| 880-K325, 879-K325<br>881-K325, 8811-K325 | 82,5           | 100         | 41,4  | 25    | 17    | 15    | <b>787.90.02</b> | <b>787.90.03</b>  |
| 880-K450<br>881-K450<br>8811-K450         | 114,3          | 130         | 41,4  | 25    | 17    | 15    | <b>787.90.18</b> | <b>787.90.19</b>  |

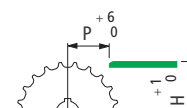
- **Material** : polyethylene UHMWPE (black) with molecular density 1.000.000.
- **Standard packaging** : the corner tracks are supplied complete with carry and return sections. Straight tracks are supplied as single profile 2 m long.
- **Special dimensions** on application.

- **For multiple strand versions please refer to Customer Service and/or Chain Catalogue**

- **Linear expansion coefficient** :  $2 \times 10^{-4}$   
Calculation of thermal expansion see page S204.

- **Operating temperature** :  
In air (-40 to + 80 C).  
In hot water (+ 70 C).

- **Positioning** : see page S205.



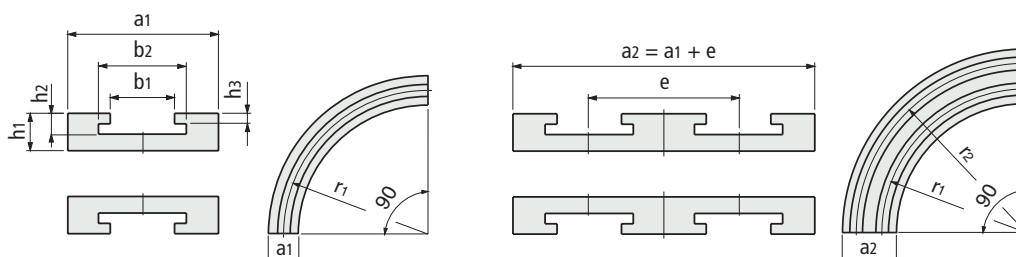
## Corner tracks and straight tracks for TableTop® Series:

- 882 TAB
- HDF

882TAB-HDF

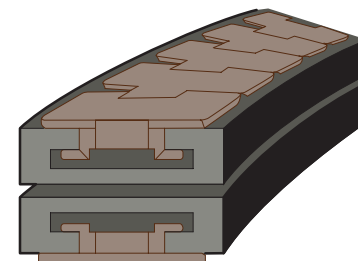


### ■ Corner tracks

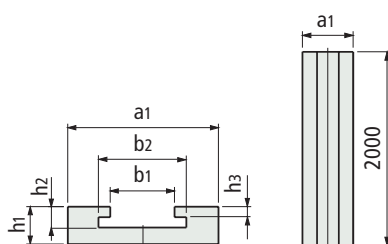


| Type of chain           | Chain width mm | Radius r1 mm | Width a1 mm | b1 mm | b2 mm | h1 mm | h2 mm | h3 mm | Pitch e mm | Code<br>1 strand |
|-------------------------|----------------|--------------|-------------|-------|-------|-------|-------|-------|------------|------------------|
| 882TAB-K450<br>HDF450   | 114,3          | 610          | 130         | 60    | 90    | 30    | 24    | 15    | 120        | 787.02.80        |
| 882TAB-K750<br>HDF 750  | 190,5          | 610          | 210         | 60    | 90    | 30    | 24    | 15    | 195        | 787.00.54        |
| 882TAB-K1000<br>HDF1000 | 254            | 610          | 270         | 60    | 90    | 30    | 24    | 15    | 260        | 787.00.06        |
| 882TAB-K1200<br>HDF1200 | 304,8          | 610          | 320         | 60    | 90    | 30    | 24    | 15    | 310        | 787.00.21        |

## Series KTU200

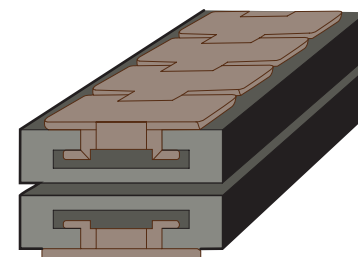


### ■ Straight tracks



| Type of chain           | Chain width mm | Width a1 mm | b1 mm | b2 mm | h1 mm | h2 mm | h3 mm | Code      |
|-------------------------|----------------|-------------|-------|-------|-------|-------|-------|-----------|
| 882TAB-K450<br>HDF450   | 114,3          | 130         | 60    | 90    | 30    | 24    | 15    | 787.90.17 |
| 882TAB-K750<br>HDF 750  | 190,5          | 210         | 60    | 90    | 30    | 24    | 15    | 787.90.05 |
| 882TAB-K1000<br>HDF1000 | 254            | 270         | 60    | 90    | 30    | 24    | 15    | 787.90.06 |
| 882TAB-K1200<br>HDF1200 | 304,8          | 320         | 60    | 90    | 30    | 24    | 15    | 787.90.07 |

## Series STU200



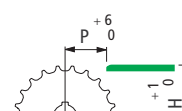
- **Material** : polyethylene UHMWPE (black) with molecular density 1.000.000.
- **Standard packaging** : the corner tracks are supplied complete with carry and return sections. Straight tracks are supplied as single profile 2 m long.
- **Special dimensions** on application.

- For multiple strand versions please refer to Customer Service and/or Chain Catalogue

- **Linear expansion coefficient** :  $2 \times 10^{-4}$   
Calculation of thermal expansion see page S204.

- **Operating temperature** :  
In air (-40 to + 80 C).  
In hot water (+ 70 C).

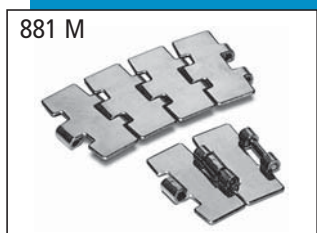
- **Positioning** : see page S205.



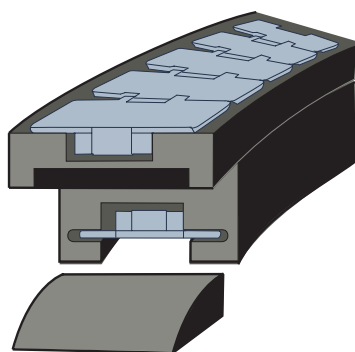
## Magnetic corner tracks

for TableTop® Series:

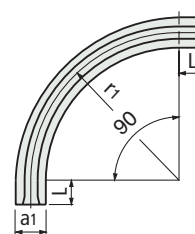
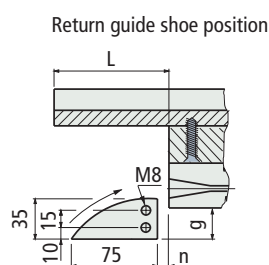
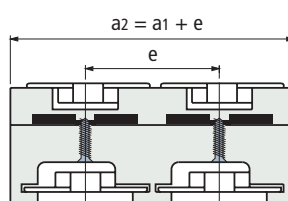
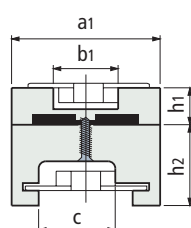
- 881 M
- RHM
- RHMD 325 LBP
- HDFM
- HDFM LBP



## Series COMBI C



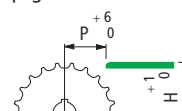
■ **Magnetic corner tracks**



| Type of chain                                                                                                             | Chain width mm | Radius r1 mm | Width a1 mm | L mm | b1 mm | c mm | h1 mm | h2 mm | Pitch e mm | n mm | g mm | M  | Code 1 strand | Version Number |
|---------------------------------------------------------------------------------------------------------------------------|----------------|--------------|-------------|------|-------|------|-------|-------|------------|------|------|----|---------------|----------------|
| 881M-K325<br>10M31M<br>45M31M<br>60M31(S)M<br>66M31(S)M<br>60M31RM<br>60M845M<br>66M845M<br>RHMP325<br>RHMDP325<br>RHMP84 | 82,5 / 83,8    | 500          | 100         | 0    | 44    | 50   | 27    | 55*   | 85         | -    | -    | -  | 704.15.01     | C7             |
|                                                                                                                           | 82,5 / 83,8    | 500          | 100         | 100  | 44    | 50   | 27    | 63    | 85         | 20   | 20   | M8 | 704.14.01     | C6             |
|                                                                                                                           | 82,5 / 83,8    | 500          | 111         | 100  | 44    | 50   | 27    | 63    | 85         | 20   | 20   | M8 | 704.08.01     | C4             |
|                                                                                                                           | 82,5 / 83,8    | 500          | 111         | 100  | 44    | 50   | 27    | 63    | 85         | 20   | 20   | M8 | 704.19.01     | C14            |
|                                                                                                                           | 82,5 / 83,8    | 500          | 100         | 125  | 44    | 50   | 27    | 55    | 89         | 0    | 30   | M6 | 704.05.01     | C1             |
|                                                                                                                           | 82,5 / 83,8    | 500          | 100         | 100  | 44    | 50   | 27    | 55    | 90         | 0    | 30   | M8 | 704.06.01     | C2             |
|                                                                                                                           | 82,5 / 83,8    | 500          | 110         | 0    | 44    | 50   | 27    | 55    | 90         | 0    | 30   | M8 | 704.07.01     | C3             |
|                                                                                                                           | 82,5 / 83,8    | 680          | 100         | 100  | 44    | 50   | 27    | 55    | -          | 0    | 30   | M8 | 704.09.01     | C5A            |
|                                                                                                                           | 82,5 / 83,8    | 750          | 111         | 100  | 44    | 50   | 27    | 63    | 85         | 20   | 20   | M8 | 704.28.01     | C42            |
|                                                                                                                           | 82,5 / 83,8    | 860          | 100         | 125  | 44    | 50   | 27    | 55    | -          | 0    | 30   | M8 | 704.11.01     | C5C            |
|                                                                                                                           | 82,5 / 83,8    | 1000         | 100         | 0    | 44    | 50   | 27    | 55    | -          | 0    | 30   | M6 | 704.12.01     | C5D            |
|                                                                                                                           | 82,5 / 83,8    | 1000         | 111         | 100  | 44    | 50   | 27    | 63    | 85         | 20   | 20   | M8 | 704.29.01     | C43            |
| RHMD325LBP                                                                                                                | 82,5           | 500          | 100         | 100  | 44    | 50   | 27    | 63    | 90         | 0    | 30   | M8 | 704.34.01     | LBP2           |
| 881M-K450, 10M42M<br>45M42M, 60M42M<br>RHMP450, RHMDP450                                                                  | 114,3          | 500          | 129         | 125  | 44    | 54   | 27    | 63    | 120        | 20   | 20   | M6 | 714.08.01     | C21A           |
|                                                                                                                           | 114,3          | 610          | 129         | 125  | 44    | 54   | 27    | 63    | 120        | 20   | 20   | M6 | 714.09.01     | C22A           |
| 881M-K750, 10M72M<br>60M72M, 66M72(R)M                                                                                    | 190,5          | 610          | 214         | 125  | 44    | 54   | 27    | 63    | 196        | 20   | 20   | M6 | 724.05.01     | C61            |
|                                                                                                                           | 190,5          | 860          | 214         | 0    | 44    | 54   | 27    | 55    | -          | 0    | 30   | M6 | 724.11.01     | C66            |
|                                                                                                                           | 190,5          | 1000         | 214         | 0    | 44    | 54   | 27    | 55    | -          | 0    | 30   | M6 | 724.07.01     | C65            |
| 60M75(R)M, 66M75M<br>HDFM750                                                                                              | 190,5          | 610          | 200         | 100  | 60    | 65   | 32    | 63    | 195        | 20   | 20   | M8 | 724.31.01     | C81            |
|                                                                                                                           | 190,5          | 860          | 214         | 0    | 60    | 65   | 32    | 55    | -          | 0    | 30   | M8 | 724.36.01     | C86            |
| HDFM1000                                                                                                                  | 254            | 860          | 290         | 0    | 60    | 65   | 32    | 55    | -          | 0    | 30   | M8 | 724.42.01     | C91            |
| HDFM1000LBP                                                                                                               | 254            | 860          | 290         | 0    | 60    | 65   | 32    | 63    | -          | 0    | 30   | M8 | 724.45.01     | LBP91          |
| HDFM1200                                                                                                                  | 304,8          | 860          | 340         | 0    | 60    | 65   | 32    | 55    | -          | 0    | 30   | M8 | 724.44.01     | C96            |
| HDFM1200LBP                                                                                                               | 304,8          | 860          | 340         | 0    | 60    | 65   | 32    | 63    | -          | 0    | 30   | M8 | 724.46.01     | LBP96          |

\* = For corner tracks 2 or more strands  $h_2 = 63\text{mm}$ .

- Magnetic corner tracks allow for easy maintenance and cleaning because the chain can be easily lifted when the conveyor is stopped. On the other hand they keep the chain flat when working.
  - **Material** : polyethylene UHMWPE (black).
  - **Standard packaging** : the corner tracks are supplied complete with carry and return sections.
  - **For multiple strand versions please refer to Customer Service and/or Chain Catalogue**
  - **Linear expansion coefficient** :  $2 \times 10^{-4}$   
Calculation of thermal expansion see page S204.
  - **Operating temperature** :  
In air (-40 to + 80 °C).  
In hot water (+ 70 °C).
- 



FGM 1050



FTM 1060 - FTM 1055

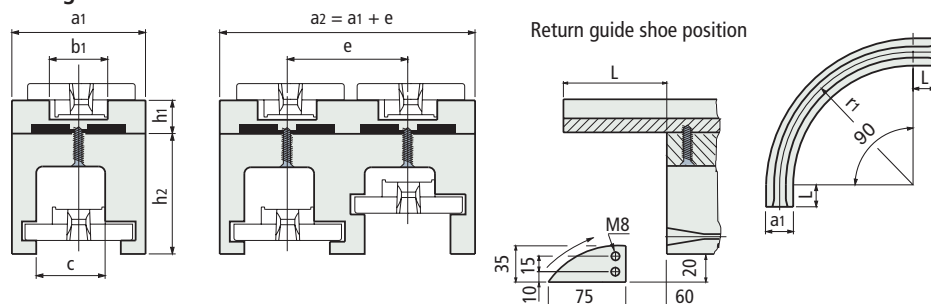


## Magnetic corner tracks

for TableTop® Series:

- FGM 1050
- FTM 1060
- FTM 1055

### ■ Magnetic corner tracks

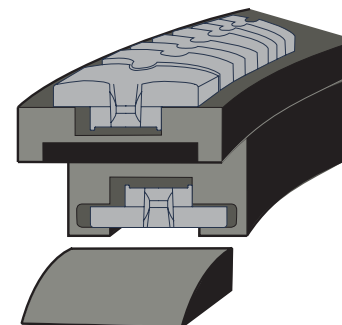


| Type of chain | Chain width<br>mm | Radius<br>r1<br>mm | Width<br>a1<br>mm | L<br>mm | b1<br>mm | c<br>mm | h1<br>mm | h2<br>mm | Pitch<br>e<br>mm | n<br>mm | g<br>mm | M  | Code<br>1 strand | Version<br>Number |
|---------------|-------------------|--------------------|-------------------|---------|----------|---------|----------|----------|------------------|---------|---------|----|------------------|-------------------|
| FGM1050       | 83,8              | 500                | 100               | 0       | 44       | 50      | 27       | 55 (63•) | 85               | -       | -       | -  | 604.15.01        | CB7               |
| FTM1060       | 83,8              | 500                | 100               | 100     | 44       | 50      | 27       | 63       | 85               | 60      | 20      | M8 | 604.14.01        | CB6               |
|               | 83,8              | 500                | 111               | 100     | 44       | 50      | 27       | 63       | 85               | 60      | 20      | M8 | 604.08.01        | CB4               |

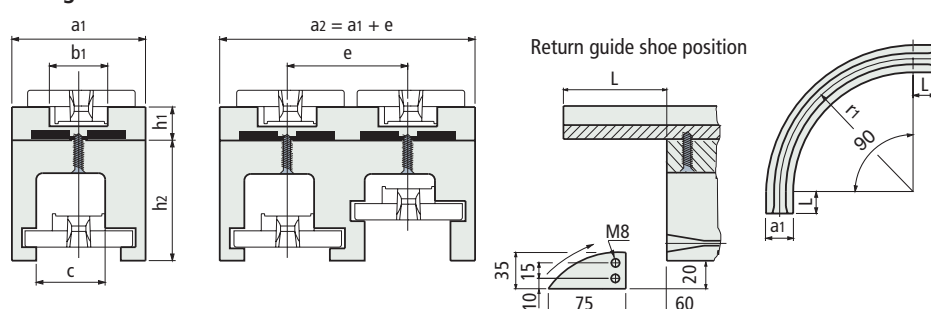
\* = Supplied without the L straight-line sections.

• = Only for corner tracks of 2 or more strands.

## Series COMBI CB



### ■ Magnetic corner tracks

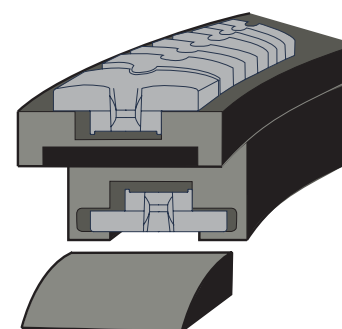


| Type of chain | Chain width<br>mm | Radius<br>r1<br>mm | Width<br>a1<br>mm | L<br>mm | b1<br>mm | c<br>mm | h1<br>mm | h2<br>mm | Pitch<br>e<br>mm | n<br>mm | g<br>mm | M  | Code<br>1 strand | Version<br>Number |
|---------------|-------------------|--------------------|-------------------|---------|----------|---------|----------|----------|------------------|---------|---------|----|------------------|-------------------|
|               | 83,8              | 500                | 111               | 100     | 44       | 50      | 27       | 63       | 85               | 60      | 20      | M8 | 614.01.01        | CC4               |
|               | 83,8              | 500                | 100               | 100     | 44       | 50      | 27       | 63       | 85               | 60      | 20      | M8 | 614.02.01        | CC6               |
| FTM1055       | 83,8              | 500                | 100               | 0       | 44       | 50      | 27       | 63       | 85               | -       | -       | -  | 614.06.01        | CC7               |
|               | 114,3             | 500                | 129               | 125     | 44       | 50      | 27       | 63       | 120              | 60      | 20      | M8 | 614.08.01        | CC21              |
|               | 114,3             | 610                | 129               | 125     | 44       | 50      | 27       | 63       | 120              | 60      | 20      | M6 | 614.09.01        | CC22              |

\* = Supplied without the L straight-line sections.

• = Only for corner tracks of 2 or more strands.

## Series COMBI CC



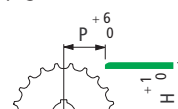
• Magnetic corner tracks allow for easy maintenance and cleaning because the chain can be easily lifted when the conveyor is stopped. On the other hand they keep the chain flat when working.

- **Material** : polyethylene UHMWPE (black).
- **Standard packaging** : the corner tracks are supplied complete with carry and return sections.
- **For multiple strand versions please refer to Customer Service and/or Chain Catalogue**

• **Linear expansion coefficient** :  $2 \times 10^{-4}$   
Calculation of thermal expansion see page S204.

• **Operating temperature** :  
In air (-40 to + 80 C).  
In hot water (+ 70 C).

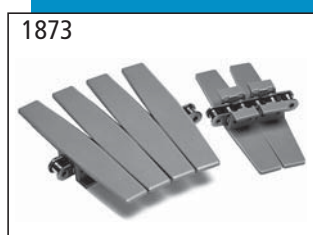
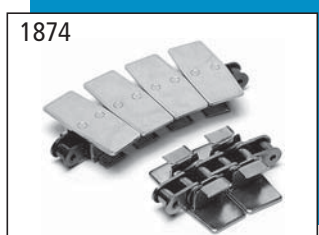
• **Positioning** : see page S205.



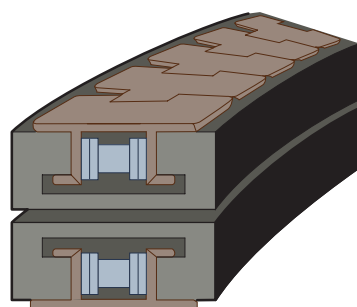


## Corner tracks and straight tracks for PlateTop Series:

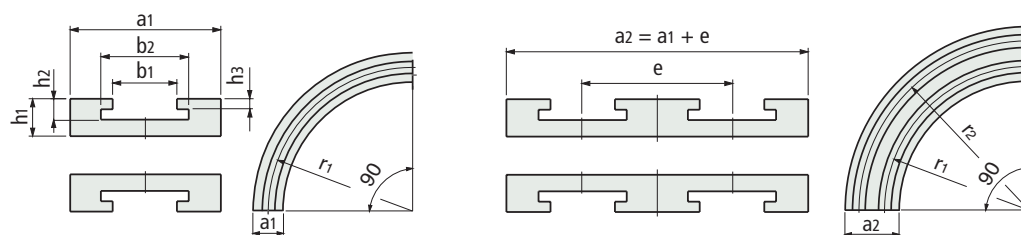
- 1874
- 1873
- 3873



## Series KTU300

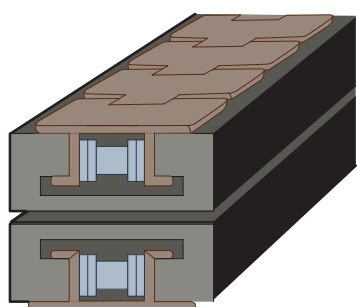


### ■ Corner tracks

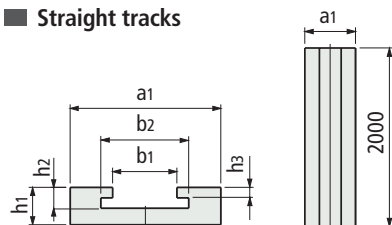


| Type of chain            | Chain width mm | Radius r1 mm | Width a1 mm | $\pm 0.5$<br>b1 mm | b2 mm | h1 mm | h2 mm | h3 mm | Pitch e mm | Code<br>1 strand |
|--------------------------|----------------|--------------|-------------|--------------------|-------|-------|-------|-------|------------|------------------|
| 1873-K325<br>1874-K325   | 82,5           | 500          | 100         | 34,6               | 70    | 36    | 29    | 19    | 90         | <b>787.01.13</b> |
| 1873-K450<br>1874-K450   | 114,3          | 500          | 125         | 34,6               | 70    | 36    | 29    | 19    | 120        | <b>787.01.16</b> |
| 1873-K600<br>1874-K600   | 152,4          | 610          | 160         | 34,6               | 70    | 36    | 29    | 19    | 160        | <b>787.01.19</b> |
| 1873-K750<br>1874-K750   | 190,5          | 610          | 200         | 34,6               | 70    | 36    | 29    | 19    | 195        | <b>787.01.22</b> |
| 1873-K1000<br>3873-K1000 | 254            | 610          | 260         | 34,6               | 70    | 36    | 29    | 19    | 260        | <b>787.01.25</b> |
| 1873-K1200<br>3873-K1200 | 304,8          | 610          | 310         | 34,6               | 70    | 36    | 29    | 19    | 310        | <b>787.01.28</b> |

## Series STU300



### ■ Straight tracks



| Type of chain            | Chain width mm | Width a1 mm | b1 mm | b2 mm | h1 mm | h2 mm | h3 mm | Code             |
|--------------------------|----------------|-------------|-------|-------|-------|-------|-------|------------------|
| 1873-K325<br>1874-K325   | 82,5           | 100         | 34,6  | 70    | 36    | 29    | 19    | <b>787.45.27</b> |
| 1873-K450<br>1874-K450   | 114,3          | 125         | 34,6  | 70    | 36    | 29    | 19    | <b>787.47.56</b> |
| 1873-K600<br>1874-K600   | 152,4          | 160         | 34,6  | 70    | 36    | 29    | 19    | <b>787.47.97</b> |
| 1873-K750<br>1874-K750   | 190,5          | 200         | 34,6  | 70    | 36    | 29    | 19    | <b>787.46.85</b> |
| 1873-K1000<br>3873-K1000 | 254            | 260         | 34,6  | 70    | 36    | 29    | 19    | <b>787.48.04</b> |
| 1873-K1200<br>3873-K1200 | 304,8          | 310         | 34,6  | 70    | 36    | 29    | 19    | <b>787.90.17</b> |

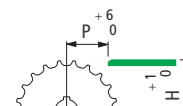
- **Material** : polyethylene UHMWPE (black) with molecular density 1.000.000.
- **Standard packaging** : the corner tracks are supplied complete with carry and return sections. Straight tracks are supplied as single profile 2 m long.
- **Special dimensions** on application.

- **For multiple strand versions please refer to Customer Service and/or Chain Catalogue**

- **Linear expansion coefficient** :  $2 \times 10^{-4}$   
Calculation of thermal expansion see page S204.

- **Operating temperature** :  
In air (-40 to + 80 C).  
In hot water (+ 70 C).

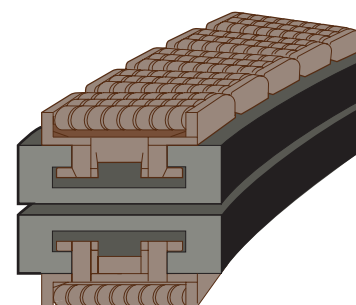
- **Positioning** : see page S205.



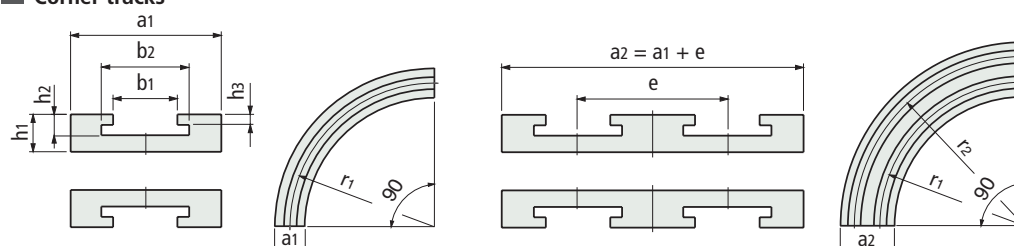
## Corner tracks and straight tracks for TableTop® Series:

- LBP 883

## Series KTU200



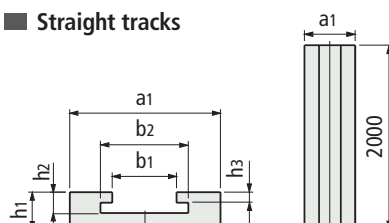
### Corner tracks



| Type of chain  | Chain width mm | Radius r1 mm | Width a1 mm | b1 mm | b2 mm | h1 mm | h2 mm | h3 mm | Pitch e mm | Code<br>1 strand |
|----------------|----------------|--------------|-------------|-------|-------|-------|-------|-------|------------|------------------|
| LBP883TAB-K450 | 114,3          | 610          | 130         | 60    | 90    | 30    | 24    | 15    | *          | 787.02.80        |
| LBP883TAB-K750 | 190,5          | 610          | 210         | 60    | 90    | 30    | 24    | 15    | *          | 787.00.54        |

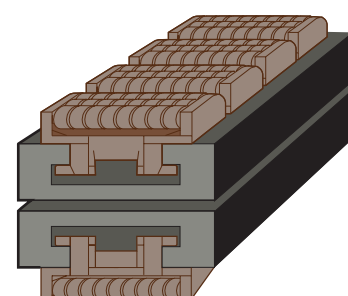
\* = To be specified upon order.

### Straight tracks



| Type of chain  | Chain width mm | Width a1 mm | b1 mm | b2 mm | h1 mm | h2 mm | h3 mm | Code      |
|----------------|----------------|-------------|-------|-------|-------|-------|-------|-----------|
| LBP883TAB-K450 | 114,3          | 130         | 60    | 90    | 30    | 24    | 15    | 787.90.17 |
| LBP883TAB-K750 | 190,5          | 210         | 60    | 90    | 30    | 24    | 15    | 787.90.05 |

## Series STU200



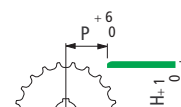
- **Material** : polyethylene UHMWPE (black) with molecular density 1.000.000.
- **Standard packaging** : the corner tracks are supplied complete with carry and return sections. Straight tracks are supplied as single profile 2 m long.
- **Special dimensions** on application.

- For multiple strand versions please refer to Customer Service and/or Chain Catalogue

- **Linear expansion coefficient** :  $2 \times 10^{-4}$   
Calculation of thermal expansion see page S204.

- **Operating temperature** :  
In air (-40 to + 80 C).  
In hot water (+ 70 C).

- **Positioning** : see page S205.



## Corner tracks and straight tracks for Multiflex chains

Series:

- 1700 TAB K
- 1790 TAB K
- 1710 TAB K
- 1713 TAB K

1700 TAB K - 1790 TAB K



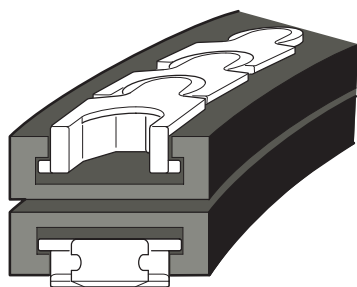
1710 TAB K



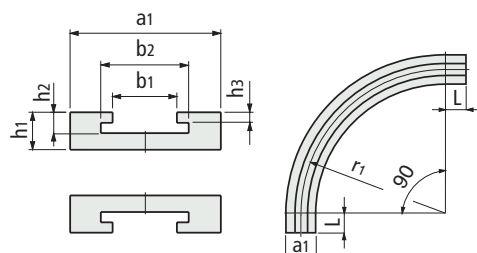
1713 TAB K



## Series KTU500

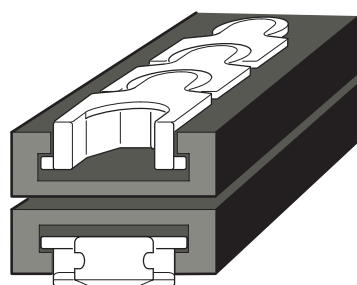


### ■ Corner tracks

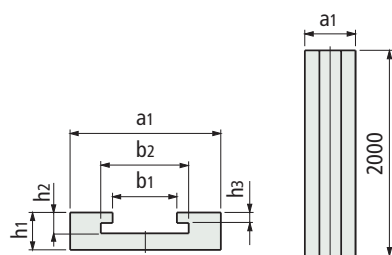


| Type of chain | Chain width mm | Radius r1 mm | Width a1 mm | b1 mm | b2 mm | h1 mm | h2 mm | h3 mm | L mm | Code      |
|---------------|----------------|--------------|-------------|-------|-------|-------|-------|-------|------|-----------|
| 1700TABK      | 55             | 250          | 100         | 58    | 70    | 40    | 21    | 12    | 50   | 787.03.31 |
| 1790TABK      |                | 500          | 100         | 58    | 70    | 40    | 21    | 12    | 50   | 787.01.81 |
| 1710TABK      | 98             | 250          | 110         | 58    | 70    | 40    | 31    | 22    | 50   | 787.02.97 |
|               |                | 500          | 110         | 58    | 70    | 40    | 31    | 22    | 50   | 787.00.40 |
| 1713TABK      | 253            | 500          | 270         | 58    | 70    | 40    | 30,5  | 20    | 50   | 787.03.63 |

## Series STU500



### ■ Straight tracks



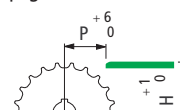
| Type of chain | Chain width mm | Width a1 mm | b1 mm | b2 mm | h1 mm | h2 mm | h3 mm | Code      |
|---------------|----------------|-------------|-------|-------|-------|-------|-------|-----------|
| 1700TABK      | 55             | 100         | 58    | 70    | 40    | 21    | 12    | 787.40.74 |
| 1790TABK      |                |             |       |       |       |       |       |           |
| 1710TABK      | 98             | 110         | 58    | 70    | 40    | 31    | 22    | 787.90.11 |
| 1713TABK      | 253            | 270         | 58    | 70    | 40    | 30    | 20    | 787.90.20 |

- **Material** : polyethylene UHMWPE (black) with molecular density 1.000.000.
- **Standard packaging** : the corner tracks are supplied complete with carry and return sections. Straight tracks are supplied as single profile 2 m long.
- **Special dimensions** on application.

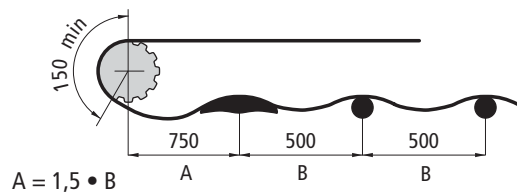
- **Linear expansion coefficient** :  $2 \times 10^{-4}$   
Calculation of thermal expansion see page S204.

- **Operating temperature** :  
In air (-40 to + 80 C).  
In hot water (+ 70 C).

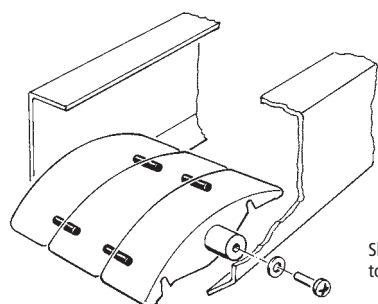
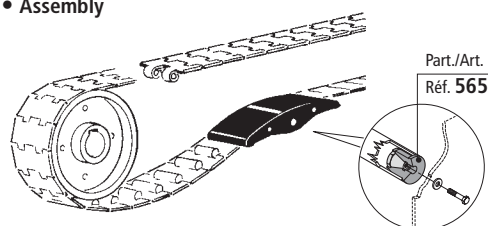
- **Positioning** : see page S205.



## • Positioning

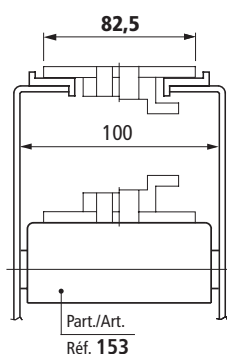


## • Assembly

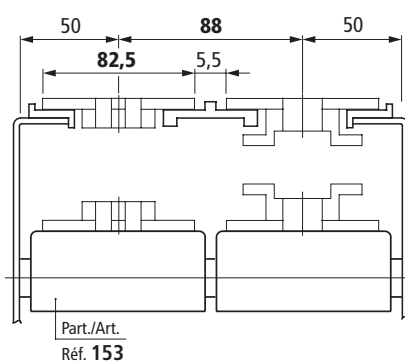


## • TableTop® chains / PlateTop chains

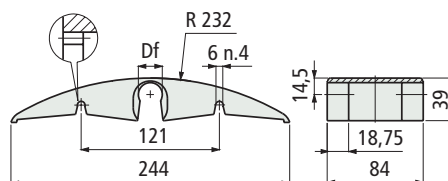
Chain width 82,5 mm (K 325)



Chain width 82,5 mm (K 325) / Pitch 88 mm



## ■ Wear shoe



| Part. | Shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Material                | Code    |
|-------|------------------|-----------------------|-------------------------|---------|
| 18    | 18,5             |                       | UNL™ (aubergine)        | 609423* |
|       |                  |                       | Polyethylene PE (green) | 608692N |
| 153   |                  |                       | Polyamide PA (black)    | 684221N |
| 20    | 20,5             |                       | Polyethylene PE (green) | 684231N |
|       |                  |                       | UNL™ (aubergine)        | 609433* |

\* = New product.

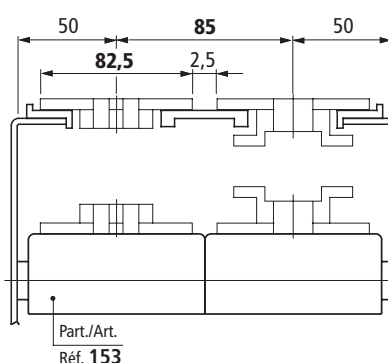
- New UNL™ low noise material.
- PE polyethylene (green) version can be used both with plastic chains and metal chains.
- PA polyamide (black) version is recommended for metal chains.
- Packaging : 15 pieces.

## Part. 153



Snap-on assembly

Chain width 82,5 mm (K 325) / Pitch 85 mm

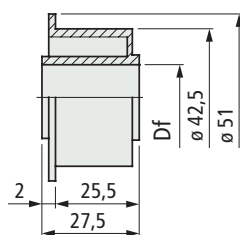


## Part. 73



Dia. 42,5 mm

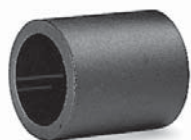
### Roller



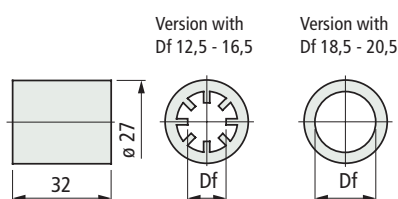
| Part. | Shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code   |
|-------|------------------|-----------------------|--------|
| 73    | 12               | 12,5                  | 50660* |
|       | 16               | 16,5                  | 62946  |
|       | 18               | 18,5                  | 50670* |
|       | 20               | 20,5                  | 50680  |

- Material : polyamide PA (black).
- Packaging : 100 pieces.

## Part. 126



### Separator



| Part. | Shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code   |
|-------|------------------|-----------------------|--------|
| 126   | 12               | 12,5                  | 65396* |
|       | 16               | 16,5                  | 65406  |
|       | 18               | 18,5                  | 65416* |
|       | 20               | 20,5                  | 62520  |

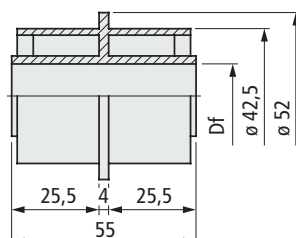
- Material : polyamide PA (black).
- Packaging : 100 pieces.

## Part. 125



Dia. 42,5 mm

### Double roller

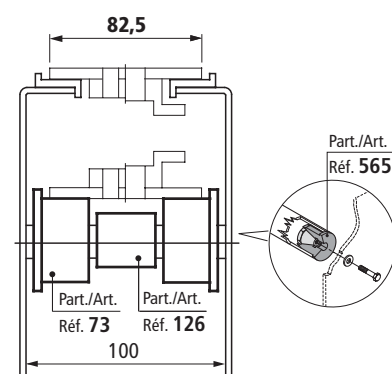


| Part. | Shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code   |
|-------|------------------|-----------------------|--------|
| 125   | 12               | 12,5                  | 62956* |
|       | 16               | 16,5                  | 62966  |
|       | 18               | 18,5                  | 62976* |
|       | 20               | 20,5                  | 62510  |

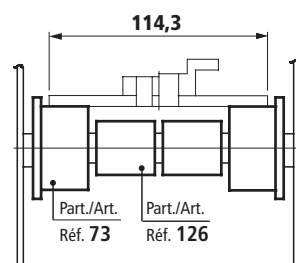
- Material : polyamide PA (black).
- Packaging : 100 pieces.

### TableTop® chains / PlateTop chains

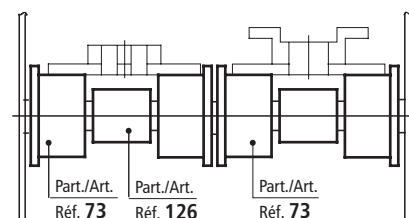
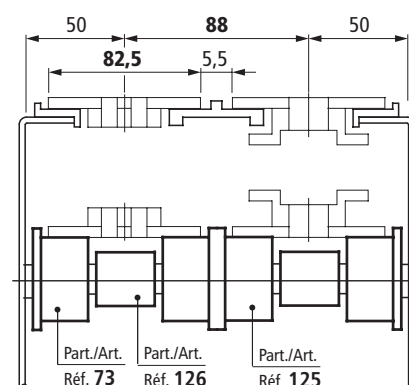
Chain width 82,5 mm (K 325)



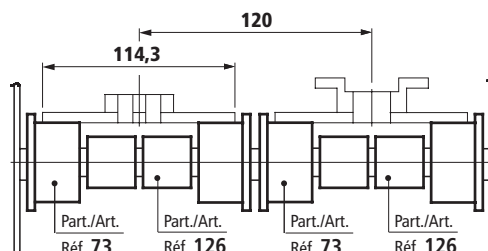
Chain width 114,3 mm (K 450)



Chain width 82,5 mm (K 325) / Pitch 88 mm



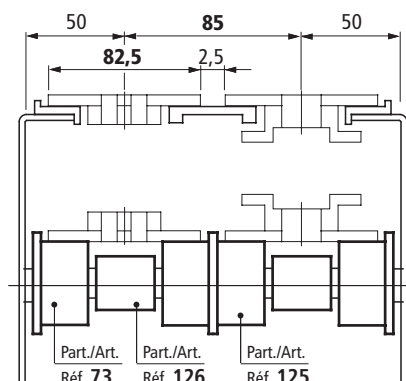
Chain width 114,3 mm (K 450) / Pitch 120 mm



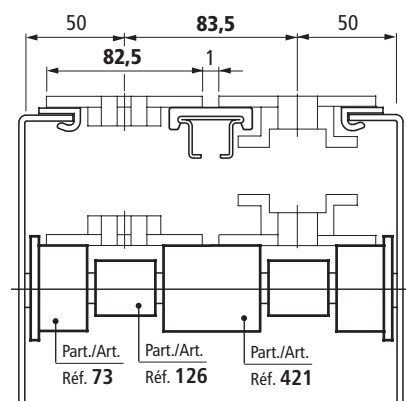
\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.



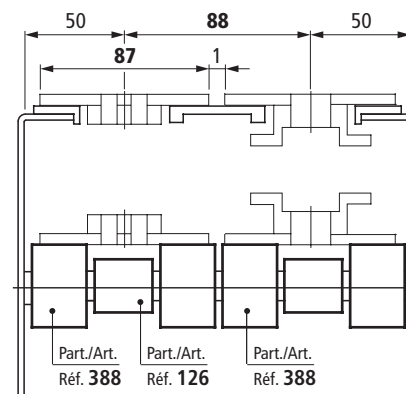
Chain width 82,5 mm (K 325) / Pitch 85 mm



Chain width 82,5 mm (K 325) / Pitch 83,5 mm

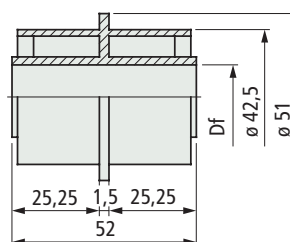


Chain width 87 mm (K 343) / Pitch 88 mm



Multi strand conveyors, with 82,5 mm width chains and pitch 88 mm, can be modified to convey PET bottles with pethal bottom or other unstable products. Change chains from 82,5 mm to 87 mm width and wear strips, in this way the Gap between chains is reduced from 5,5 mm to 1 mm while the conveyor frame is unchanged. See page S21.

## Double roller



| Part. | Shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code   |
|-------|------------------|-----------------------|--------|
| 125   | 12               | 12,5                  | 63898* |
|       | 16               | 16,5                  | 63908* |
|       | 18               | 18,5                  | 63918* |
|       | 20               | 20,5                  | 68873  |

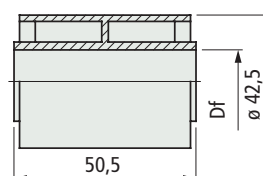
- Material : polyamide PA (black).
- Packaging : 100 pieces.

## Part. 125



Dia. 42,5 mm

## Roller



| Part. | Shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code   |
|-------|------------------|-----------------------|--------|
| 421   | 12               | 12,5                  | 63858* |
|       | 16               | 16,5                  | 63868  |
|       | 18               | 18,5                  | 63878* |
|       | 20               | 20,5                  | 63888  |

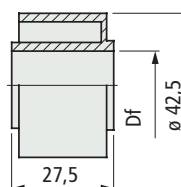
- Material : polyamide PA (black).
- Packaging : 100 pieces.

## Part. 421



Dia. 42,5 mm

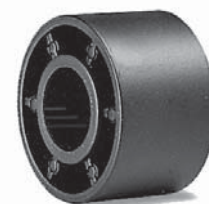
## Roller



| Part. | Shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code   |
|-------|------------------|-----------------------|--------|
| 388   | 12               | 12,5                  | 66116* |
|       | 16               | 16,5                  | 66126  |
|       | 18               | 18,5                  | 66136* |
|       | 20               | 20,5                  | 66146  |

- Material : polyamide PA (black).
- Packaging : 100 pieces.

## Part. 388



Dia. 42,5 mm

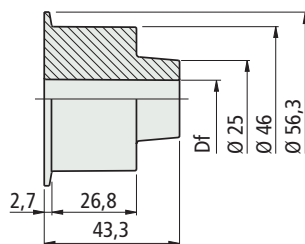
\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

## Part. 727



Dia. 46 mm  
**New Product**

### Roller



| Part. | shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code   |
|-------|------------------|-----------------------|--------|
| 727   | 12               | 12,2                  | 688902 |

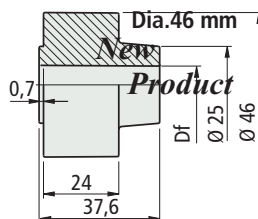
- Material : polyethylene PE (white).
- Packaging : 100 pieces.

## Part. 728



Dia.46 mm  
**New Product**

### Roller



| Part. | shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code   |
|-------|------------------|-----------------------|--------|
| 728   | 12               | 12,2                  | 688912 |

- Material : polyethylene PE (white).
- Packaging : 100 pieces.

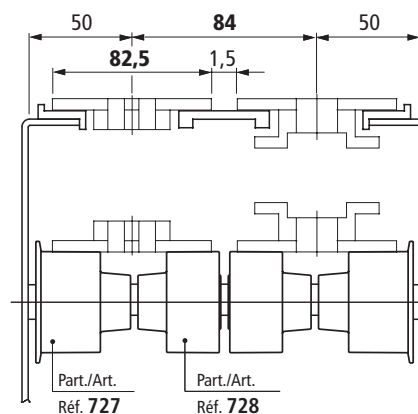
### Characteristics

- Completely closed design for the maximum hygiene.
- Material polyethylene PE (white) ideal for applications in the food industry.

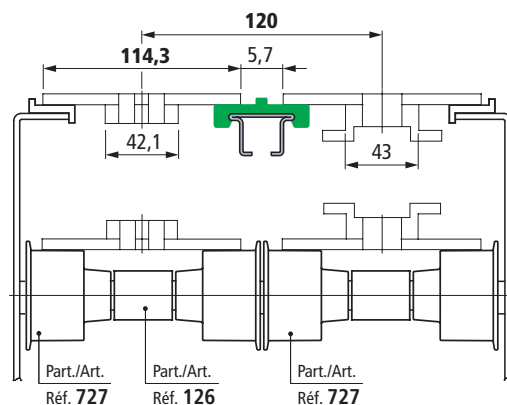
On request available with  
antimicrobial protection.



Chain width 82,5 mm (K325) / Pitch 84 mm

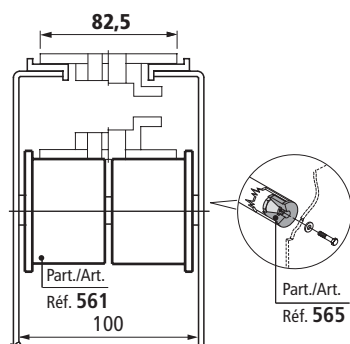


Chain width 114,3 mm (K450) / Pitch 120 mm

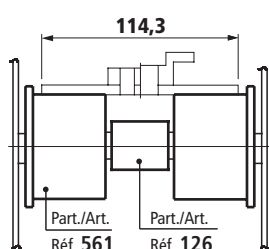


## • TableTop® chains / PlateTop chains

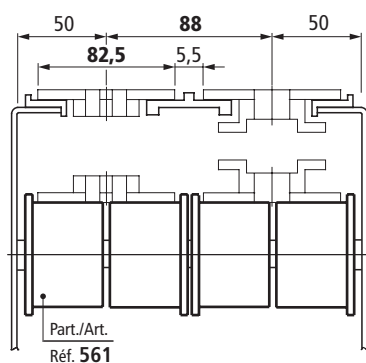
Chain width 82,5 mm (K325)



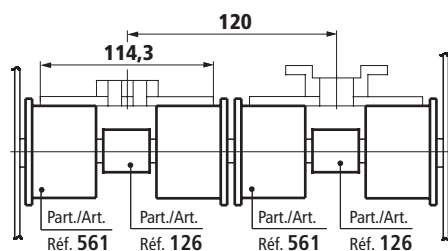
Chain width 114,3 mm (K450)



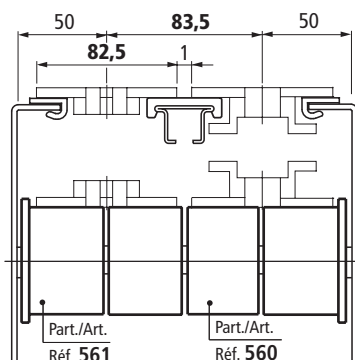
Chain width 82,5 mm (K325) / Pitch 88 mm



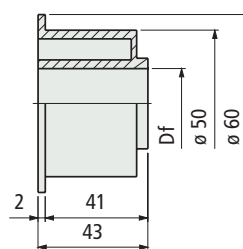
Chain width 114,3 mm (K450) / Pitch 120 mm



Chain width 82,5 mm (K325) / Pitch 83,5 mm



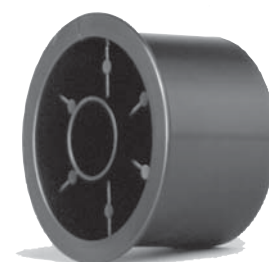
## ■ Roller



| Part. | shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code    |
|-------|------------------|-----------------------|---------|
| 561   | 15               | 15,5                  | 697561* |

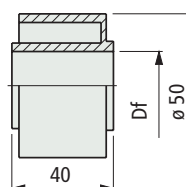
- Material : Polyamide PA (black).
- Packaging : 100 pieces.

## Part. 561



Dia. 50 mm

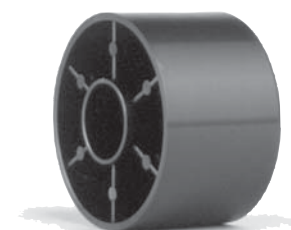
## ■ Roller



| Part. | shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code    |
|-------|------------------|-----------------------|---------|
| 560   | 15               | 15,5                  | 697551* |

- Material : Polyamide PA (black).
- Packaging : 100 pieces.

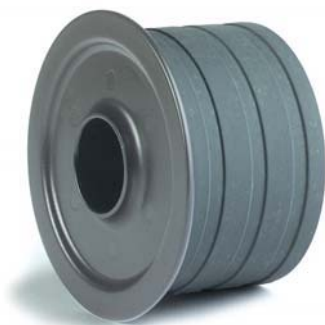
## Part. 560



Dia. 50 mm

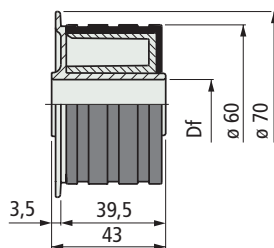
\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

## Part. 614



Dia. 60 mm

### Roller (with rubber surface)

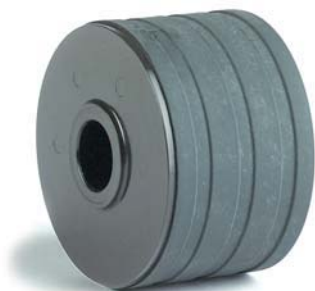


PATENTED

| Part. | shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code   |
|-------|------------------|-----------------------|--------|
| 614   | 15               | 15,5                  | 615382 |
|       | 16               | 16,5                  | 615392 |
|       | 18               | 18,5                  | 615402 |
|       | 20               | 20,5                  | 615412 |

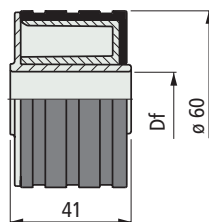
- Characteristics : completely closed design. Rubber surface for less noise even in high speed conveyors. Hub in acetal for low friction.
- Material : roller in acetal POM (grey). 65 shore hardness
- Packaging : 100 pieces.

## Part. 613



Dia. 60 mm

### Roller (with rubber surface)



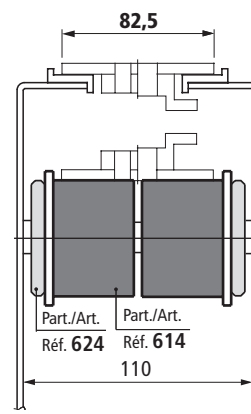
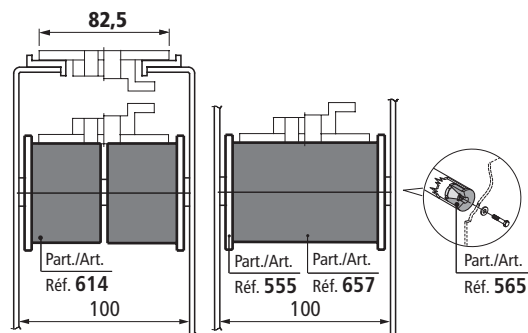
PATENTED

| Part. | shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code              |                      |
|-------|------------------|-----------------------|-------------------|----------------------|
|       |                  |                       | with<br>Microban® | without<br>Microban® |
| 613   | 15               | 15,5                  | —                 | 615342               |
|       | 16               | 16,5                  | —                 | 615352               |
|       | 18               | 18,5                  | —                 | 615362               |
|       | 20               | 20,5                  | 652012            | 615372               |

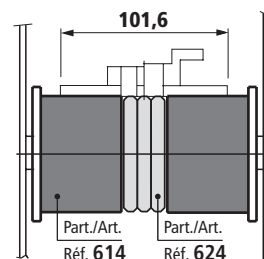
- Characteristics : completely closed design. Rubber surface for less noise even in high speed conveyors. Hub in acetal for low friction.
- Version with **Microban®** material : roller in acetal POM (white) with **Microban®** antibacterial protection. External EPDM rubber surface (grey) with **Microban®** antibacterial protection. 65 Shore hardness.
- Version without **Microban®** material : roller in acetal POM (grey). External EPDM rubber surface (grey). 65 Shore hardness.
- Packaging : 100 pieces.

### TableTop® chains / PlateTop chains

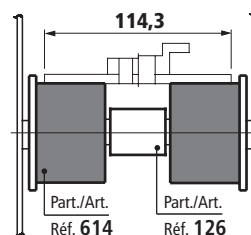
Chain width 82,5 mm (K 325)



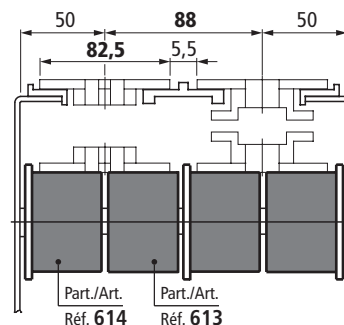
Chain width 101,6 mm (K400)



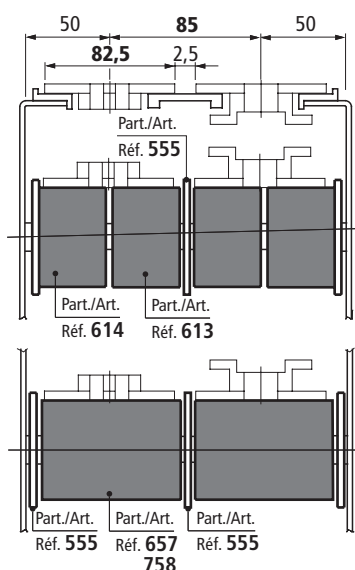
Chain width 114,3 mm (K 450)



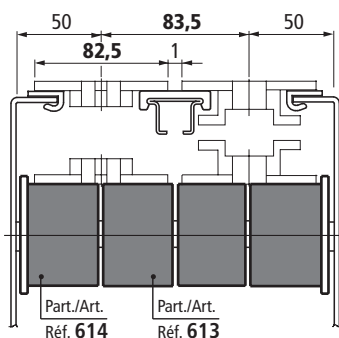
Chain width 82,5 mm (K 325) / Pitch 88 mm



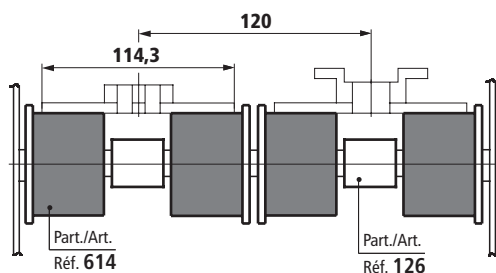
Chain width 82,5 mm (K 325) / Pitch 88 mm



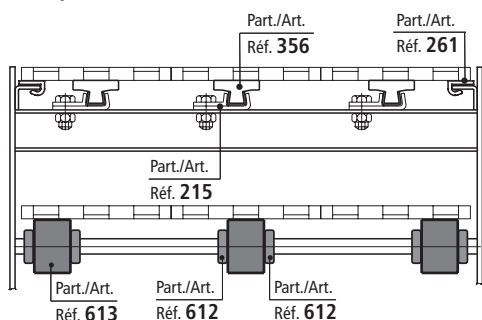
Chain width 82,5 mm (K 325) / Pitch 83,5 mm



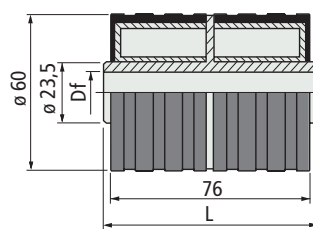
Chain width 114,3 mm (K 450) / Pitch 120 mm



## • MatTop® modular chains



## ■ Double roller (with rubber surface)



PATENTED

| Part. | shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code   |          |
|-------|------------------|-----------------------|--------|----------|
|       |                  |                       | L = 82 | L = 84,5 |
| 657   | 15               | 15,5                  | 656992 | 608253*  |
|       | 16               | 16,5                  | 657002 | 608263*  |
|       | 18               | 18,5                  | 657012 | 608273*  |
|       | 20               | 20,5                  | 657022 | 608283*  |

\* = New Product

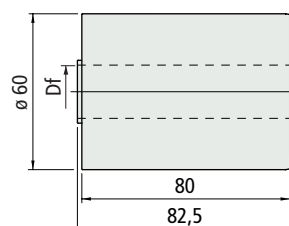
- Characteristics : completely closed design. Rubber surface for less noise even in high speed conveyors. Hub in acetal for low friction.
- Material : roller in acetal POM (grey). External EPDM rubber surface (grey). 65 shore hardness
- Packaging : 100 pieces.

Part. **657**



Dia. 60 mm

## ■ Double roller



| Part. | Material        | shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code   |
|-------|-----------------|------------------|-----------------------|--------|
|       |                 |                  |                       |        |
| 758   | UNL™            | 18               | 18,5                  | 608183 |
|       |                 | 20               | 20,5                  | 608543 |
|       | Polyethylene PE | 18               | 18,5                  | 609863 |
|       |                 | 20               | 20,5                  | 609933 |

- Characteristics : completely closed design.
- Version in UNL™ low noise material.
- Colour : UNL™ (aubergine), Polyethylene PE (white).
- Packaging : 100 pieces.

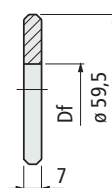
Part. **758**



New  
Product

Dia. 60 mm

## ■ Separator



| Part. | shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code   |
|-------|------------------|-----------------------|--------|
| 624   | 20               | 20,2                  | 619412 |

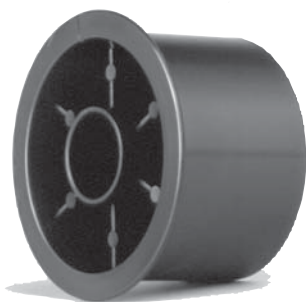
- Assembly : to be applied to rollers Part. 556-614.
- Material : Polyethylene PE (white).
- Packaging : 100 pieces.

Part. **624**



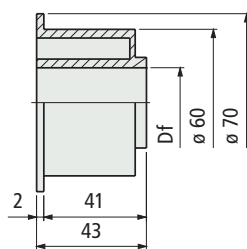


## Part. 556



Dia. 60 mm

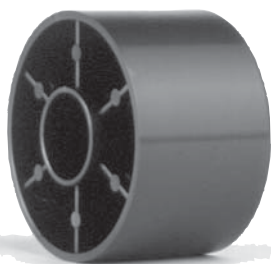
### Roller



| Part. | shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code    |
|-------|------------------|-----------------------|---------|
| 556   | 15               | 15,5                  | 695221* |
|       | 16               | 16,5                  | 695231  |
|       | 18               | 18,5                  | 695241* |
|       | 20               | 20,5                  | 695251  |

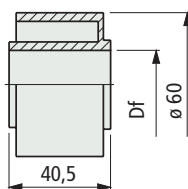
- Material : self-lubricating polyamide PA (black).
- Packaging : 100 pieces.

## Part. 554



Dia. 60 mm

### Roller



| Part. | shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code    |
|-------|------------------|-----------------------|---------|
| 554   | 15               | 15,5                  | 695141* |
|       | 16               | 16,5                  | 695151  |
|       | 18               | 18,5                  | 695161* |
|       | 20               | 20,5                  | 695171  |

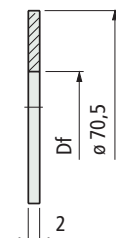
- Material : self-lubricating polyamide PA (black).
- Packaging : 100 pieces.

## Part. 555



For Part. 554-613

### Guide flange

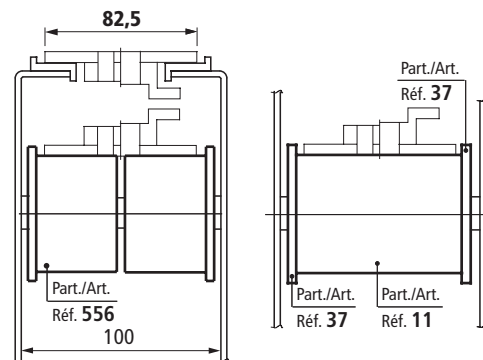


| Part. | shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code    |
|-------|------------------|-----------------------|---------|
| 555   | 15               | 15,2                  | 695181* |
|       | 16               | 16,2                  | 695191  |
|       | 18               | 18,2                  | 695201* |
|       | 20               | 20,2                  | 695211  |

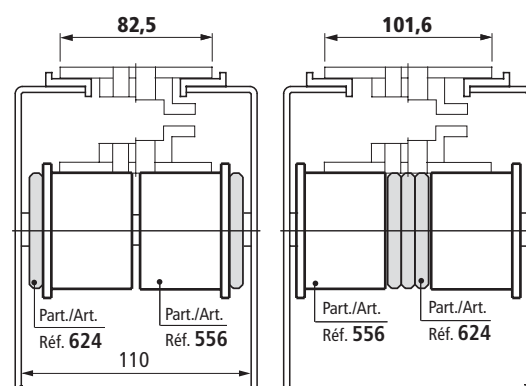
- Assembly : to be applied to rollers Part. 554-613.
- Material : self-lubricating polyamide PA (black).
- Packaging : 100 pieces.

### TableTop® chains / PlateTop chains

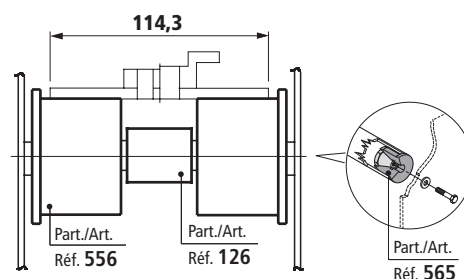
Chain width 82,5 mm (K 325)



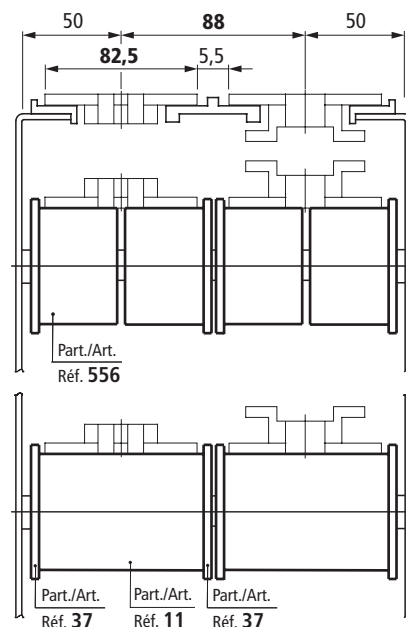
Chain width 82,5 mm (K325) - 101,6 mm (K400)



Chain width 114,3 mm (K 450)

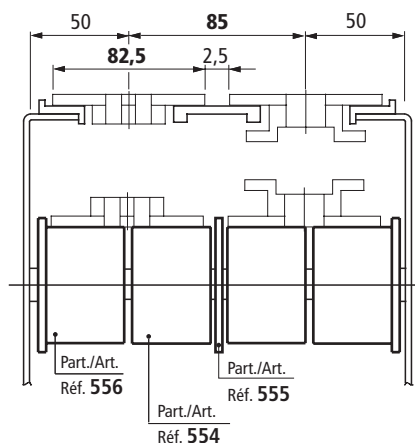


Chain width 82,5 mm (K 325) / Pitch 88 mm

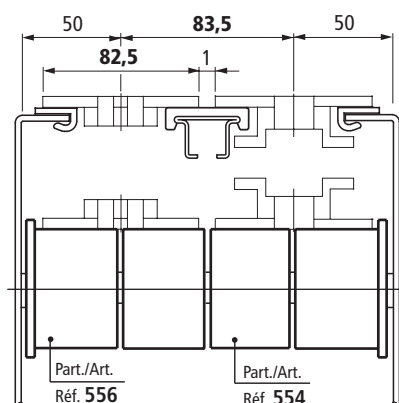


\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

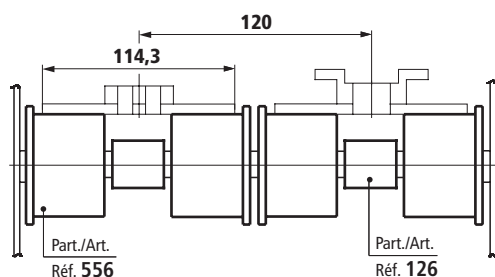
Chain width 82,5 mm (K 325) / Pitch 85 mm



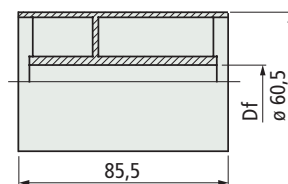
Chain width 82,5 mm (K 325) / Pitch 83,5 mm



Chain width 114,3 mm (K 450) / Pitch 120 mm



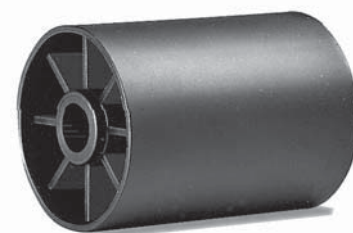
## Roller



| Part. | shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code    |
|-------|------------------|-----------------------|---------|
| 11    | 14               | 14,5                  | 50690   |
|       | 16               | 16,5                  | 611012* |

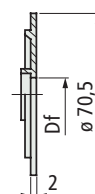
- Material : polyamide PA (black).
- Packaging : 50 pieces.

## Part. 11



Dia. 60 mm

## Guide flange



| Part. | shaft dia.<br>mm | Bore dia.<br>Df<br>mm | Code    |
|-------|------------------|-----------------------|---------|
| 37    | 14               | 14,5                  | 50700   |
|       | 16               | 16,5                  | 611022* |

- Material : polyamide PA (black).
- Assembly : by pressure on the centre hole.
- to be applied to roller Part.11
- Packaging : 100 pieces.

## Part. 37



For Part. 11

\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

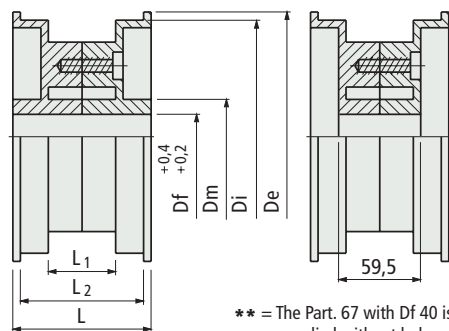
# Part. 67-22-74



## Rollers

Part. 67 (Df 30) - 22 - 74

Part. 67 (Df 40)



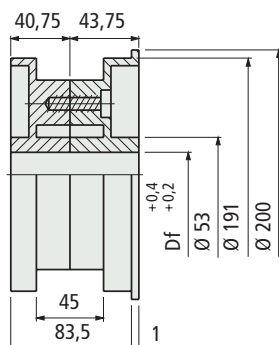
| Part. | De<br>mm | Di<br>mm | Dm<br>mm | L1<br>mm | L2<br>mm | L<br>mm | Bore dia.<br>Df<br>mm | Code   |
|-------|----------|----------|----------|----------|----------|---------|-----------------------|--------|
| 67    | 167      | 156      | 41       | 50       | 84,5     | 87,5    | 30                    | 50580  |
|       |          |          | **       |          |          |         | 40                    | 50590  |
| 22    | 200      | 191      | 53       | 45       | 85,5     | 87,5    | 30                    | 63840  |
|       |          |          |          |          |          |         | 40                    | 50630* |
| 74    | 200      | 191      | 53       | 62       | 102,5    | 105,5   | 30                    | 50640  |
|       |          |          |          |          |          |         | 40                    | 50650* |

- Material : roller in polyamide PA (black), screws in zinc plated steel.
- Weight : Part. 67 (0,39 Kg), Part. 22 (0,50 Kg), Part. 74 (0,59 Kg).
- Packaging : Part. 67 (30 pieces), Part. 22 (20 pieces), Part. 74 (15 pieces).

# Part. 22M



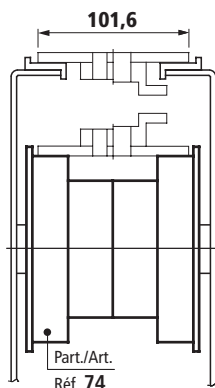
## Roller



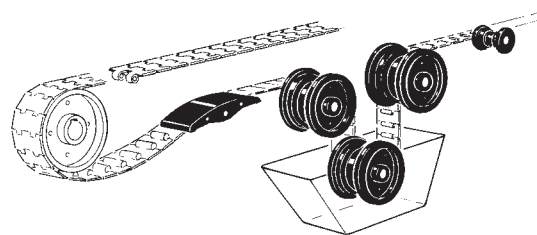
| Part. | Bore dia.<br>Df<br>mm | Code  | Weight<br>Kg |
|-------|-----------------------|-------|--------------|
| 22 M  | 30                    | 64507 | 0,49         |

- Material : roller in polyamide PA (black), screws in zinc plated steel.
- Packaging : 20 pieces.

Chain width 101,6 mm (K 400)

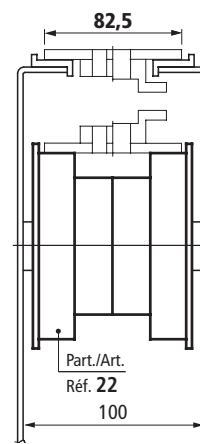


\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

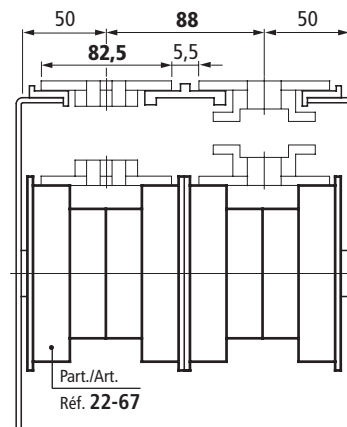


## TableTop® chains

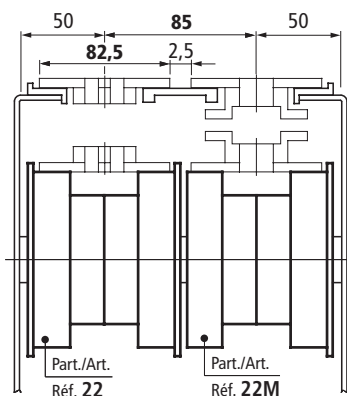
Chain width 82,5 mm (K 325)



Chain width 82,5 mm (K 325) / Pitch 88 mm



Chain width 82,5 mm (K 325) / Pitch 85 mm



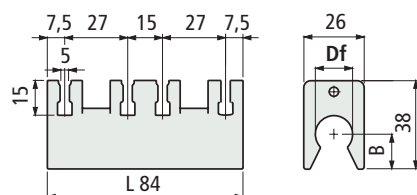
- With 3 track conveyors: use 1 Part. 22 and 2 Part. 22 M.
- With 4 track conveyors: use 1 Part. 22 and 3 Part. 22 M, etc.



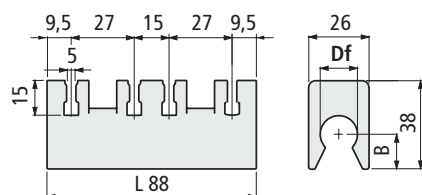
# Part. 523

## ■ Spacer for round profile

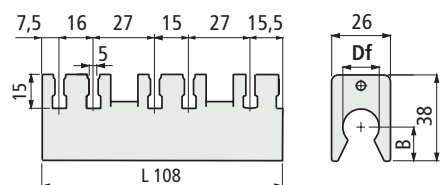
Version with L 84 mm



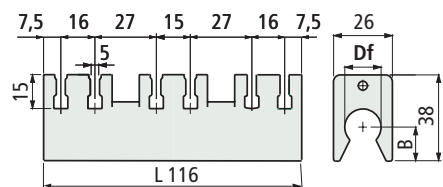
Version width L 88 mm



Version width L 108 mm



Version width L 116 mm

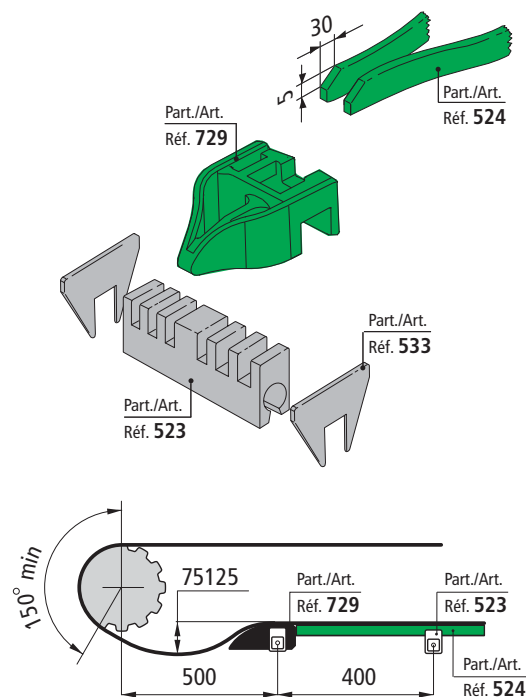


| Part. | Width<br>L<br>mm | Bore dia.<br>Df<br>mm inch | Code    | B<br>mm | Weight<br>Kg |
|-------|------------------|----------------------------|---------|---------|--------------|
| 523   | L 84             | 15 —                       | 643461* | 15,5    | 0,04         |
|       |                  | 16 —                       | 643471* | 15      |              |
|       |                  | 18 —                       | 643481* | 14      |              |
|       |                  | 20 —                       | 643491  | 13      |              |
|       |                  | — 3/4"                     | 692112* | 13      |              |
| 523   | L 88             | 20 —                       | 698442* | 13      | 0,05         |
|       |                  | — 3/4"                     | 698452* | 13      |              |
| 523   | L 108            | 20 —                       | 698422* | 13      | 0,05         |
|       |                  | — 3/4"                     | 698432* | 13      |              |
| 523   | L 116            | 20 —                       | 692132* | 13      | 0,05         |
|       |                  | — 3/4"                     | 692142* | 13      |              |

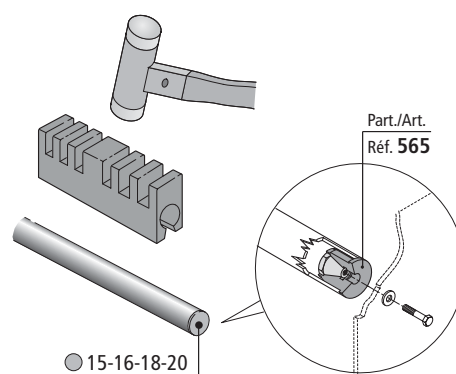
• = New Product

- Material : Polyamide PA (black).

- Packaging : 100 pieces.



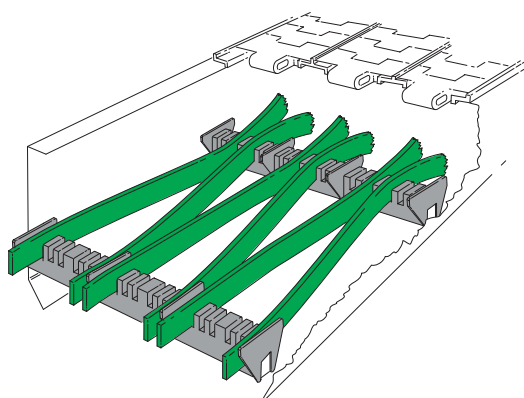
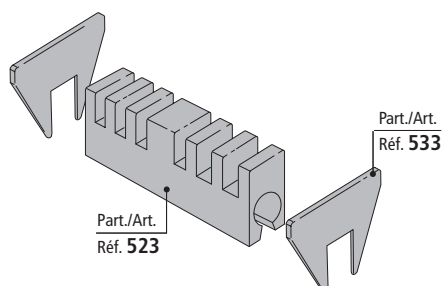
### • Assembly Part. 523

Snap-on assembly on round steel profiles.  
For assembly schemes see page S56-S57


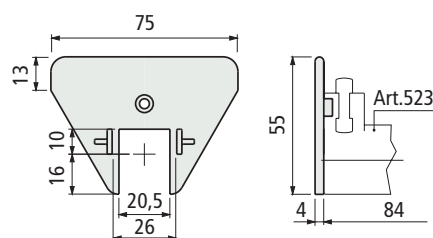
\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.



for Part. 523



## Striker



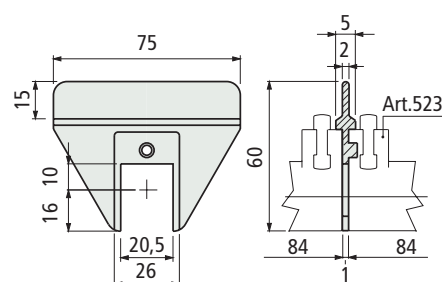
| Part. | Code   | Weight<br>Kg |
|-------|--------|--------------|
| 533   | 672801 | 0,01         |

- Assembly : Applicable to spacers Part. 523. Snap-on assembly.
- Material : polyamide PA (black).
- Packaging : 100 pieces.

Part. 533



## Striker (centre)



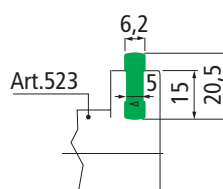
| Part. | Code    | Weight<br>Kg |
|-------|---------|--------------|
| 533   | 672811* | 0,01         |

- Assembly : Applicable to spacers Part. 523. Snap-on assembly.
- Material : polyamide PA (black).
- Packaging : 100 pieces.

Part. 533



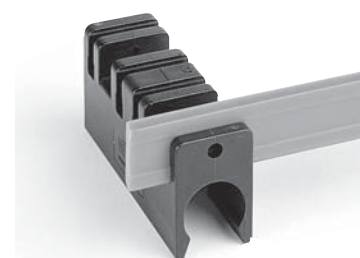
## Sliding profile



| Part. | Material                          | Code   |
|-------|-----------------------------------|--------|
| 524   | Polyethylene PE (green) 1.000.000 | 643501 |

- Assembly : Applicable to spacers Part. 523. Snap-on assembly.
- Standard packaging : coil.
- Packaging : 70 metres.

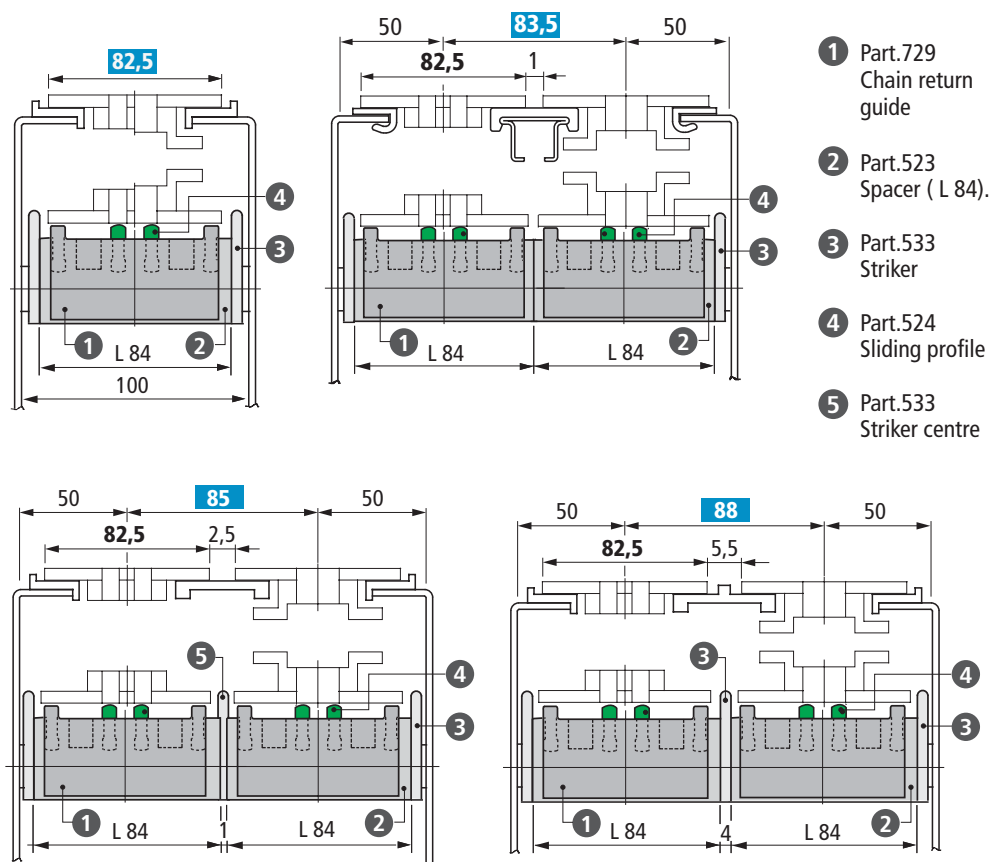
Part. 524



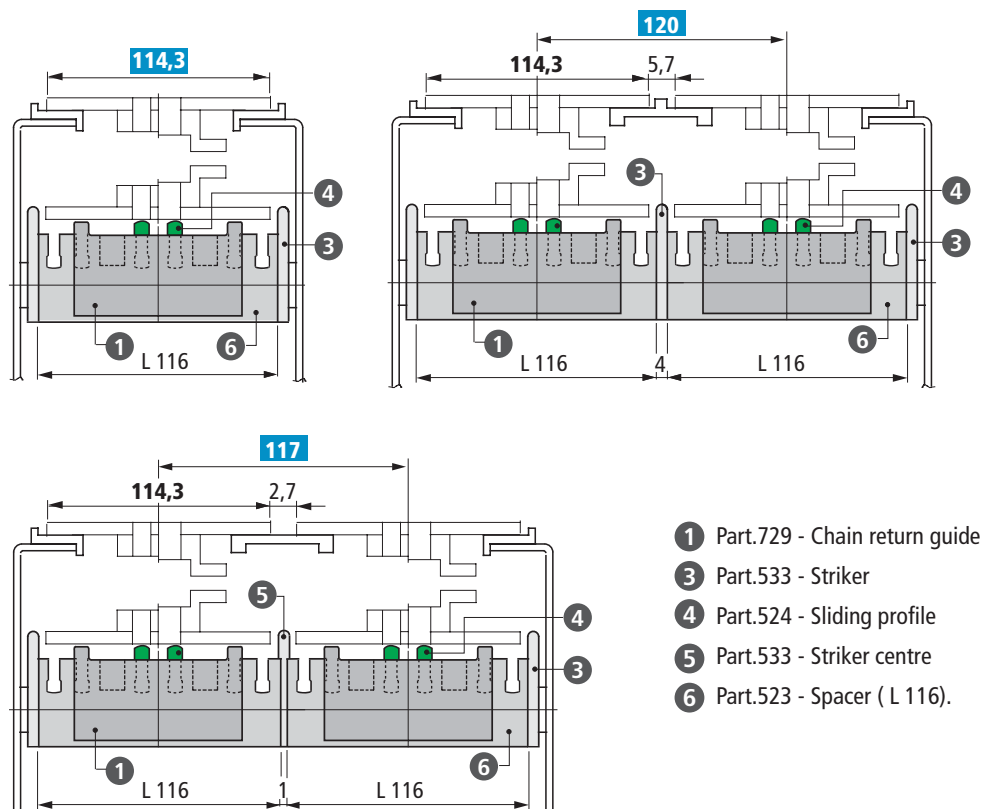
\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

Assembly schemes for:  
Part. 729-523-533-524.

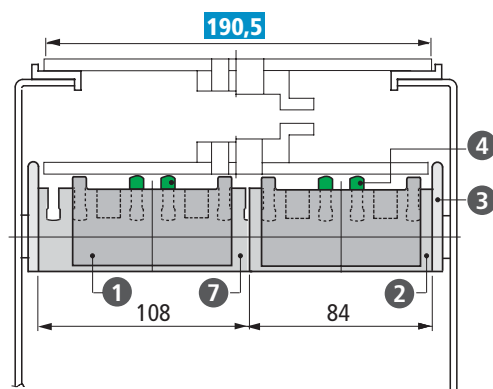
• Chain width 82,5 mm (K325)



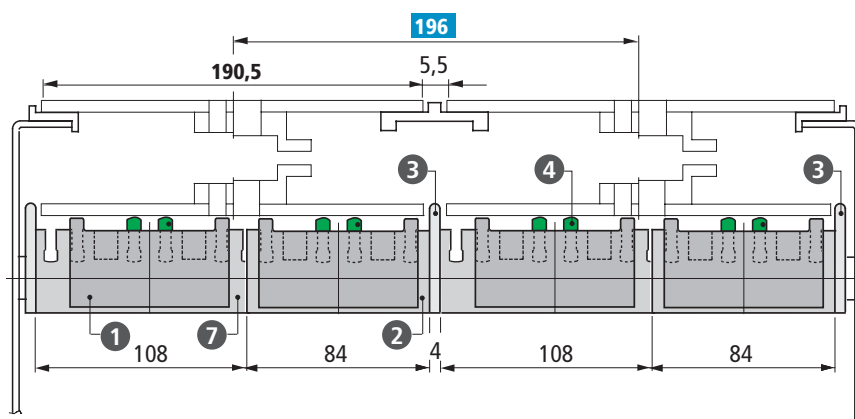
• Chain width 114,3 mm (K450)



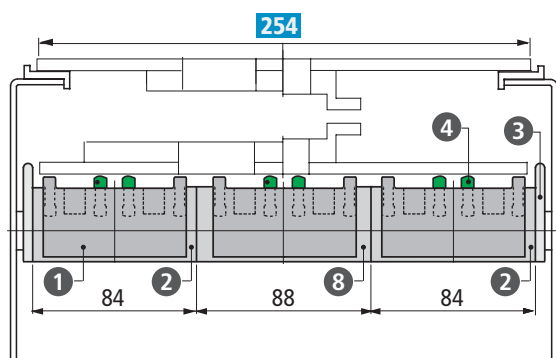
• Chain width 190,5 mm (K750)



- 1 Part.729 - Chain return guide
- 2 Part.523 - Spacer ( L 84).
- 3 Part.533 - Striker
- 4 Part.524 - Sliding profile
- 7 Part.523 - Spacer ( L 108).

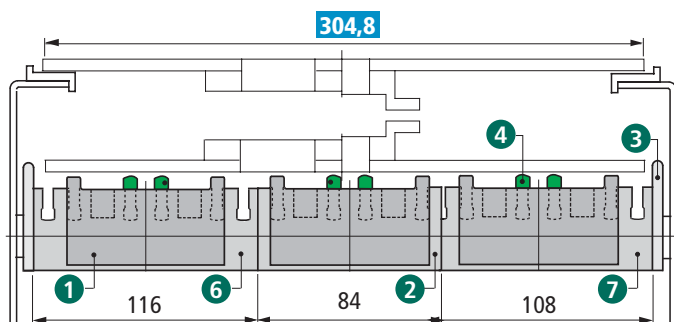


• Chain width 254 mm (K1000)



- 1 Part.729 - Chain return guide
- 2 Part.523 - Spacer ( L 84).
- 3 Part.533 - Striker
- 4 Part.524 - Sliding profile
- 8 Part.523 - Spacer ( L 88).

• Chain width 304,8 mm (K1200)



- 1 Part.729 - Chain return guide
- 2 Part.523 - Spacer ( L 84).
- 3 Part.533 - Striker
- 4 Part.524 - Sliding profile
- 6 Part.523 - Spacer ( L 116).
- 7 Part.523 - Spacer ( L 108).

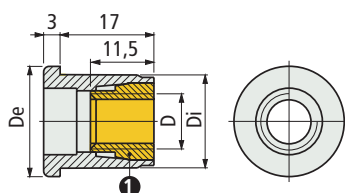
Assembly schemes for:  
Part. 729-523-533-524.

## Part. 565



for round tubes Dia. 18-20 mm

### Expansion plugs



① Expansion cone

| Tube dimensions |                 |              |                |          |       |             |
|-----------------|-----------------|--------------|----------------|----------|-------|-------------|
| Part.           | Outside dia. mm | Thickness mm | Inside dia. mm | Thread D | De mm | Di mm       |
| 565             | Ø 18            | 1,5          | 15             | M8       | 18    | 15          |
|                 |                 | 2            | 14             | M6       | 18    | 14          |
|                 | Ø 20            | 1,5          | 17             | M8       | 20    | 17          |
|                 |                 |              |                | M10      | 20    | 17          |
|                 |                 |              |                |          |       | <b>Code</b> |
|                 |                 |              |                |          |       | 698661      |
|                 |                 |              |                |          |       | 698671      |
|                 |                 |              |                |          |       | 698681      |
|                 |                 |              |                |          |       | 698691      |

- Material : plug in polyamide PA (black), expansion cone in brass.
- Standard packaging : expansion cone is supplied separated from the plug.
- Weight : 0,01Kg.
- Packaging : 100 pieces.
- Max recommended tightening torque : 1 Kgm.

## Part. 179

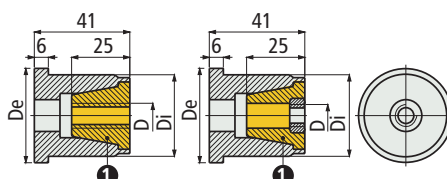


for round tubes Dia. 38-42,4 mm

### Expansion plugs

Expansion cone in brass

Expansion cone in reinforced polyamide PA FV

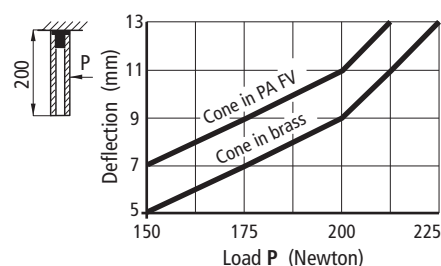


① Expansion cone

| Tube dimensions |                 |              |                |          |       |             |
|-----------------|-----------------|--------------|----------------|----------|-------|-------------|
| Part.           | Outside dia. mm | Thickness mm | Inside dia. mm | Thread D | De mm | Di mm       |
| 179             | Ø 38            | 1,5          | 35             | M8       | 40    | 34,8        |
|                 |                 |              |                | M10      | 40    | 34,8        |
|                 | Ø 42,4          | 1,5          | 39,4           | M8       | 44,5  | 39,2        |
|                 |                 |              |                | M10      | 44,5  | 39,2        |
|                 |                 |              |                |          |       | <b>Code</b> |
|                 |                 |              |                |          |       | 69513       |
|                 |                 |              |                |          |       | 69523       |
|                 |                 |              |                |          |       | 69533       |
|                 |                 |              |                |          |       | 69543       |
| 179             | Ø 38            | 1,5          | 35             | M8       | 40    | 34,8        |
|                 |                 |              |                | M10      | 40    | 34,8        |
|                 | Ø 42,4          | 1,5          | 39,4           | M8       | 44,5  | 39,2        |
|                 |                 |              |                | M10      | 44,5  | 39,2        |
|                 |                 |              |                |          |       | <b>Code</b> |
|                 |                 |              |                |          |       | 54881       |
|                 |                 |              |                |          |       | 52641*      |
|                 |                 |              |                |          |       | 54891       |
|                 |                 |              |                |          |       | 52651*      |

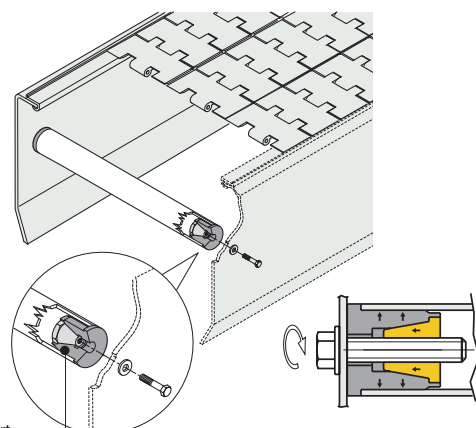
- Material : plug in reinforced polyamide PA (black), expansion cone in brass or in reinforced polyamide PA FV.
- Weight : 0,10 Kg.
- Packaging : 50 pieces.
- Max recommended tightening torque : 2,5 Kgm (for M8), 4 Kgm (for M10).

### Deflection of Part. 179



\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

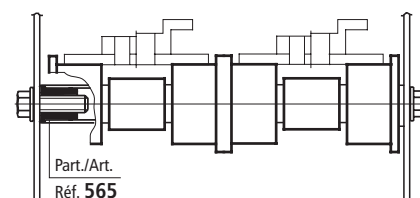
### Assembly Part. 565 - 179



Part./Art.  
Réf. 565-179

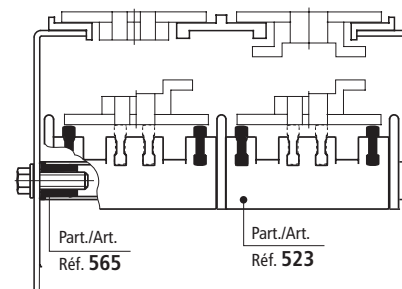
Tightening the bolt, the plug expands and stays firmly in the tube.

### Application example of Part.565 for return chain rollers



Part./Art.  
Réf. 565

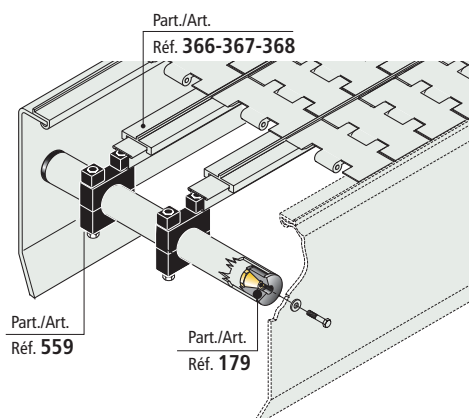
### Application example of Part.565 for serpentine return



Part./Art.  
Réf. 565

Part./Art.  
Réf. 523

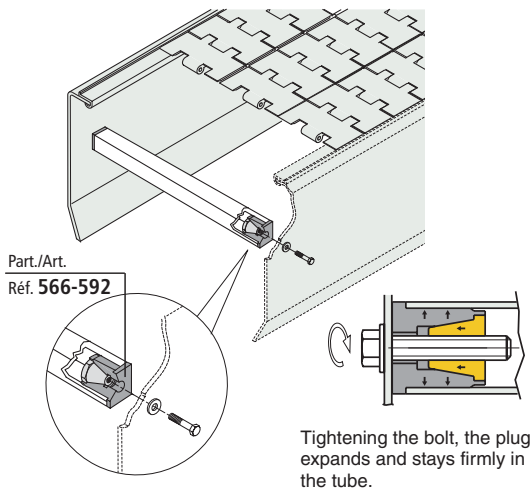
### Application example of Part.179 for supporting chain guide profile Part.366-367-368



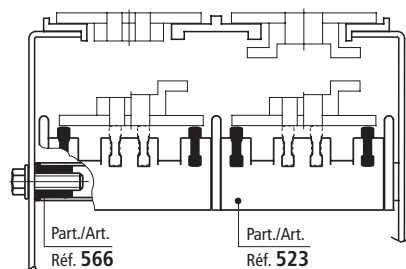
Part./Art.  
Réf. 559

Part./Art.  
Réf. 179

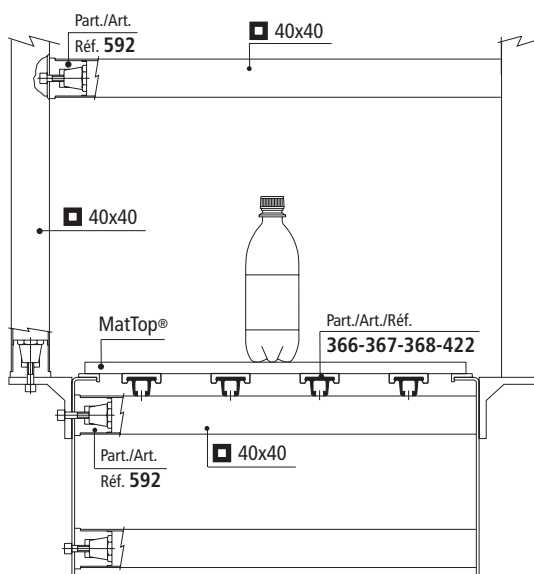
• Assembly Part. 566 - 592



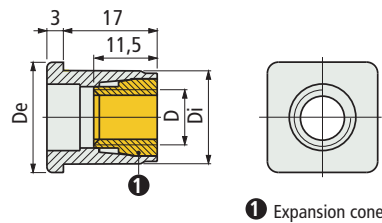
• Application example of Part.566 for serpentine return



• Application example of Part.592 for modular chain conveyors to support profiles Part.366-367-368-422



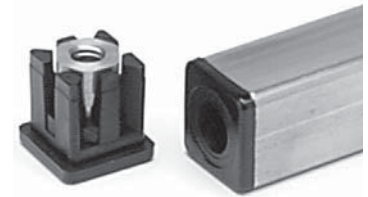
## Expansion plugs



| Tube dimensions |                 |              |                |          |       |       |
|-----------------|-----------------|--------------|----------------|----------|-------|-------|
| Part.           | Outside dia. mm | Thickness mm | Inside dia. mm | Thread D | De mm | Di mm |
| 566             | 20              | 1,5          | 17             | M8       | 20    | 17    |
|                 |                 |              |                | M10      | 20    | 17    |
|                 |                 | 2            | 16             | M8       | 20    | 16    |

- Material : plug in polyamide PA (black), expansion cone in brass.
- Standard packaging : expansion cone is supplied separated from the plug.
- Weight : 0,01Kg.
- Packaging : 100 pieces.
- Max recommended tightening torque : 1 Kgm.

## Part. 566

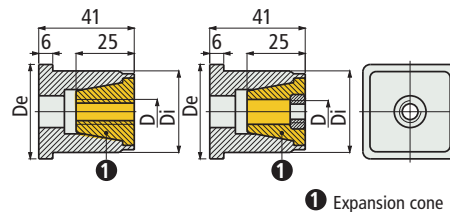


for tubes  $\varnothing$  20 mm

## Expansion plugs

Expansion cone in brass

Expansion cone in reinforced polyamide PA FV



| Tube dimensions |                 |              |                |          |       |       |
|-----------------|-----------------|--------------|----------------|----------|-------|-------|
| Part.           | Outside dia. mm | Thickness mm | Inside dia. mm | Thread D | De mm | Di mm |

### • Expansion cone in brass

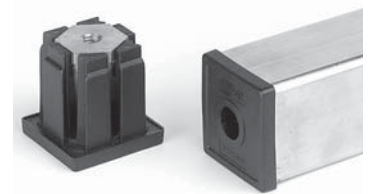
|     |                  |       |       |     |    |    |
|-----|------------------|-------|-------|-----|----|----|
| 592 | $\varnothing$ 40 | 1,5/2 | 37/36 | M8  | 42 | 36 |
|     |                  |       |       | M10 | 42 | 36 |
|     |                  | 2,5/3 | 35/34 | M8  | 42 | 34 |
|     |                  |       |       | M10 | 42 | 34 |

### • Expansion cone in reinforced polyamide PA FV

|     |                  |       |       |     |    |    |
|-----|------------------|-------|-------|-----|----|----|
| 592 | $\varnothing$ 40 | 1,5/2 | 37/36 | M8  | 42 | 36 |
|     |                  |       |       | M10 | 42 | 36 |
|     |                  | 2,5/3 | 35/34 | M8  | 42 | 34 |
|     |                  |       |       | M10 | 42 | 34 |

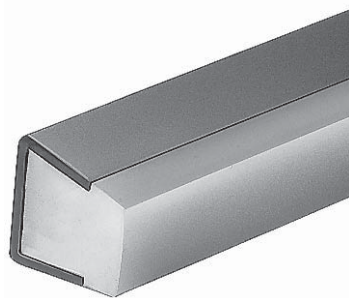
- Material : plug in reinforced polyamide PA FV (black), expansion cone in brass or in reinforced polyamide PA FV.
- Weight : 0,10 Kg.
- Packaging : 50 pieces.
- Max recommended tightening torque : 2,5 Kgm (for M8), 4 Kgm (for M10).

## Part. 592

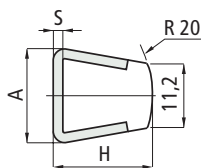


for tubes  $\varnothing$  40 mm

## Part. 317



### ■ Guide rail (half round)



| S   | H    | A  |
|-----|------|----|
| mm  | mm   | mm |
| 1,5 | 17,5 | 16 |
| 2   | 18   | 17 |

| Part. | Thickness<br>S<br>mm | Metal<br>profile material | Length<br>metres | Code   | Weight<br>kg/m |
|-------|----------------------|---------------------------|------------------|--------|----------------|
| 317   | 1,5                  | Inox AISI 304             | 3                | 69072  | 0,54           |
|       |                      |                           | 6                | 69302  |                |
|       | 2                    | Inox AISI 304             | 3                | 67063* |                |
|       |                      |                           | 6                | 67103  |                |

- Plastic profile material : polyethylene UHMWPE (white). Antistatic polyethylene UHMWPE (black) available upon request with minimum quantities.
- Min. curvature radius : 145 mm.
- Linear expansion coefficient :  $4 \times 10^{-5}$ . Calculation of thermal expansion see page S204.
- Packaging : 24 metres (in 3 m length). 48 metres (in 6 m length).

#### - Accessories :



Guide rail  
clamps  
see page S104.

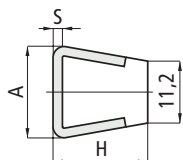


Guide rail bending  
machine (manual)  
see page S101.

## Part. 223



### ■ Guide rail (flat)



| S   | H    | A  |
|-----|------|----|
| mm  | mm   | mm |
| 1,5 | 17,5 | 16 |
| 2   | 18   | 17 |

| Part. | Thickness<br>S<br>mm | Metal<br>profile material | Length<br>metres | Code   | Weight<br>kg/m |
|-------|----------------------|---------------------------|------------------|--------|----------------|
| 223   | 1,5                  | Inox AISI 304             | 3                | 61031  | 0,54           |
|       |                      |                           | 6                | 69402  |                |
|       | Zinc plated steel    |                           | 3                | 63971  |                |
|       |                      |                           | 6                | 61743* |                |
|       | 2                    | Inox AISI 304             | 3                | 61743* |                |
|       |                      |                           | 6                | 67123  |                |

- Plastic profile material : polyethylene UHMWPE (white). Antistatic polyethylene UHMWPE (black) available upon request with minimum quantities.
- Min. curvature radius : 145 mm.
- Linear expansion coefficient :  $4 \times 10^{-5}$ . Calculation of thermal expansion see page S204.
- Packaging : 24 metres (in 3 m length). 48 metres (in 6 m length).

#### - Accessories :



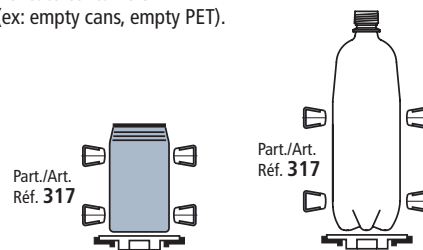
Guide rail  
clamps  
see page S104.



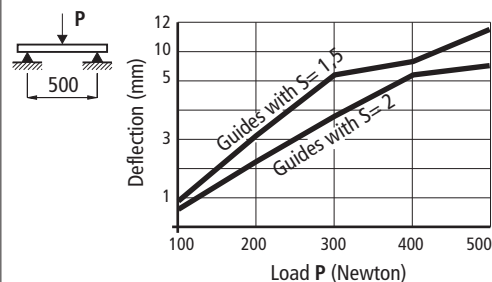
Guide rail bending  
machine (manual)  
see page S101.

#### • Use of Part. 317

Delicate containers  
(ex: empty cans, empty PET).

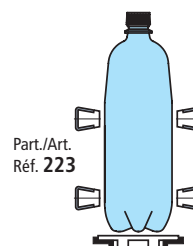


#### • Deflection of Part. 317 - 223

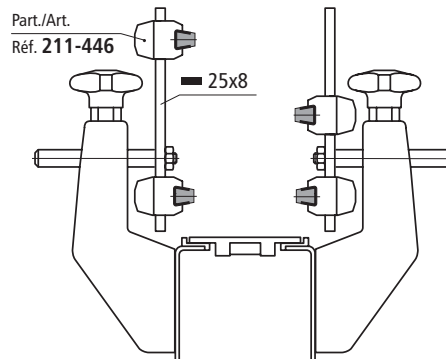


#### • Use of Part. 223

Middle delicate  
containers  
(ex: full PET).



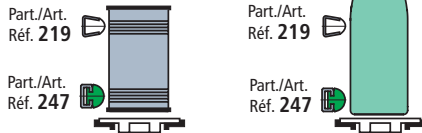
#### • Assembly of Part. 317-223



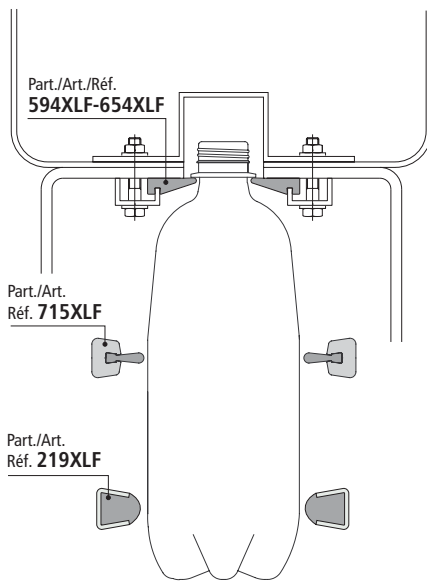
\*: items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.



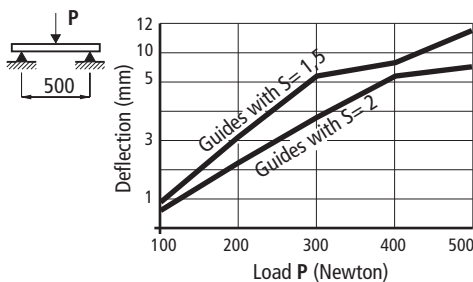
- Use of Part. 219-247  
Medium strength containers  
(ex: latten, glass).



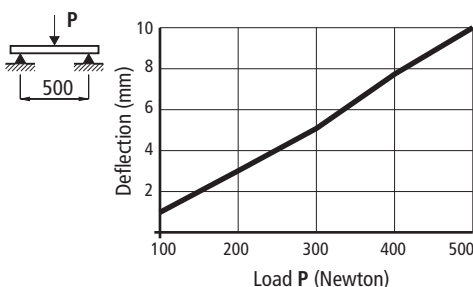
Plastic profile of Part. 247 can be disassembled.



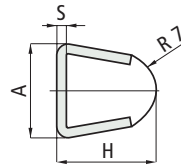
- Deflection of Part. 219-219XLF



- Deflection of Part. 247



## ■ Guide rail (round)



| S   | H    | A  |
|-----|------|----|
| mm  | mm   | mm |
| 1,5 | 17,5 | 16 |
| 2   | 18   | 17 |

| Part.                                           | Thickness<br>S<br>mm | Metal<br>profile<br>material | Length<br>metres | Code                 |                   |
|-------------------------------------------------|----------------------|------------------------------|------------------|----------------------|-------------------|
|                                                 |                      |                              |                  | Without<br>Microban® | With<br>Microban® |
| Plastic profile in polyethylene UHMWPE (white). |                      |                              |                  |                      |                   |
| 219                                             | 1,5                  | Inox AISI 304                | 3                | 60161                | —                 |
|                                                 |                      |                              | 6                | 69292                | —                 |
|                                                 | Zinc plated steel    | 3                            | 63961            | —                    |                   |
|                                                 |                      | 6                            | 61753            | 651972               |                   |
|                                                 | 2                    | Inox AISI 304                | 3                | 61753                | 651972            |
|                                                 |                      |                              | 6                | 67113                | —                 |
| Plastic profile in polyethylene XLF (grey)      |                      |                              |                  |                      |                   |
| 219XLF                                          | 1,5                  | Inox AISI 304                | 3                | XL691852*            | —                 |
|                                                 |                      |                              | 6                | XL691862*            | —                 |
|                                                 | 2                    | Inox AISI 304                | 3                | XL691872*            | —                 |
|                                                 |                      |                              | 6                | XL691882*            | —                 |

\* = New Product.

- Characteristics new material Polyethylene XLF grey (UHMWPE) : reduced friction coefficient with a consequent higher wear resistance, XLF manufactured guides do not leave any traces on the container.
- Antistatic polyethylene UHMWPE (black) available upon request with minimum quantities.
- Min. curvature radius : 145 mm.
- Weight : 0,54 kg/m.
- Linear expansion coefficient :  $4 \times 10^{-5}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 24 metres (in 3 m length).  
48 metres (in 6 m length).
- Accessories :

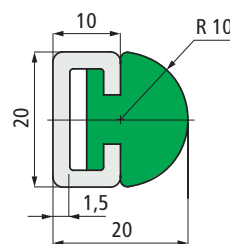


Guide rail  
clamps  
see page S104.



Guide rail bending  
machine (manual)  
see page S101.

## ■ Guide rail (round)



| Part.                                                        | Length<br>metres | Metal<br>profile material | Code    | Weight<br>kg/m |
|--------------------------------------------------------------|------------------|---------------------------|---------|----------------|
| Plastic profile material in polyethylene PE 500.000 (green). |                  |                           |         |                |
| 247                                                          | 3                | Inox AISI 304             | 63911   | 0,67           |
|                                                              |                  | Zinc plated steel         | 63921   |                |
| Plastic profile material in polyethylene PE 500.000 (black). |                  |                           |         |                |
| 247                                                          | 3                | Zinc plated steel         | 684232* | 0,67           |
|                                                              | 6                | Zinc plated steel         | 689712* |                |

\* = New Product.

- Min. curvature radius : 145 mm.
- Linear expansion coefficient :  $2 \times 10^{-4}$ .
- Calculation of thermal expansion see page S208.
- Packaging : 24 metres.
- Accessories :

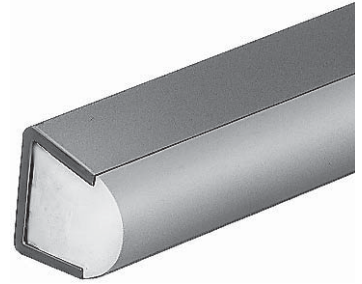


Guide rail  
clamps  
see page S104.



Guide rail bending  
machine (manual)  
see page S101.

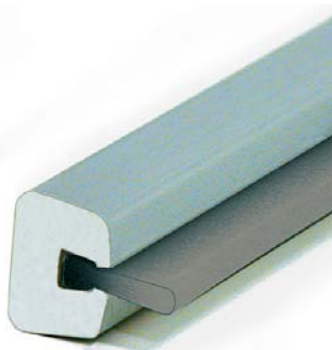
## Part. 219-219XLF



## Part. 247

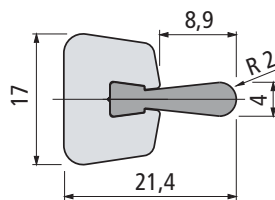


# Part. 715-715XLF



In aluminium  
**New  
Product**

## ■ Guide rail



| Part.                                      | Length<br>metres | Code     | Weight<br>kg/m |
|--------------------------------------------|------------------|----------|----------------|
| Plastic profile in Polyethylene (white)    |                  |          |                |
| 715                                        | 3                | 686182   | 0,59           |
|                                            | 6                | 686192   |                |
| Plastic profile in Polyethylene XLF (grey) |                  |          |                |
| 715XLF                                     | 3                | XL691892 | 0,59           |
|                                            | 6                | XL691902 |                |

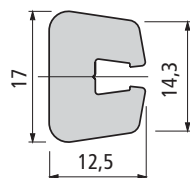
- The advantage of this new material is a reduced friction coefficient with a consequent higher wear resistance. Moreover, XLF manufactured guides do not leave any traces on the container.
- Material : metal profile in anodized aluminium.
- The plastic and metal profiles are supplied disassembled.
- Linear expansion coefficient :  $2 \times 10^{-4}$ .
- Packaging : 72 metres.
- Accessories :



Guide rail  
clamps  
see page S104.

The guide rail can be supplied with separated components.

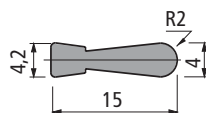
## Part. 717 - Metal profile



| Part. | Length<br>metres | Code   | Weight<br>kg/m |
|-------|------------------|--------|----------------|
| 717   | 3                | 686222 | 0,50           |

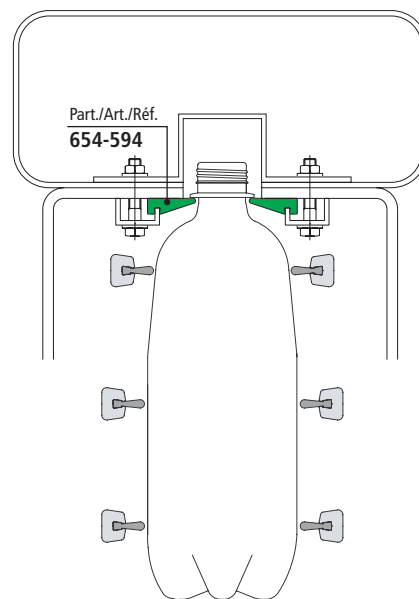
Packaging : 60 metres.

## Part. 716-716XLF- Plastic profile



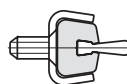
| Part.                   | Length<br>metres | Code     | Weight<br>kg/m |
|-------------------------|------------------|----------|----------------|
| Polyethylene (white)    |                  |          |                |
| 716                     | 3                | 688942   | 0,09           |
|                         | 6                | 688952   |                |
| Polyethylene XLF (grey) |                  |          |                |
| 716XLF                  | 3                | XL691912 | 0,09           |
|                         | 6                | XL691922 |                |

- Packaging : 60 metres.

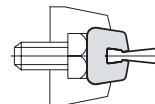


### • Accessories : guide rail clamps see page S122

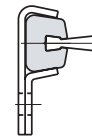
Part./Art.  
Réf. 216-903



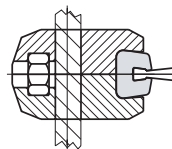
Part./Art.  
Réf. 275



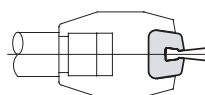
Part./Art.  
Réf. 215



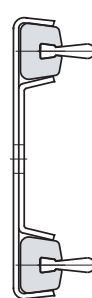
Part./Art.  
Réf. 211-446



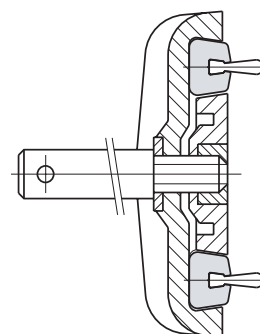
Part./Art.  
Réf. 210-210P



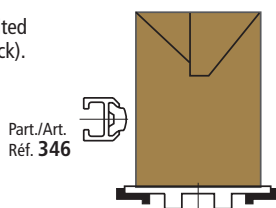
Part./Art.  
Réf. 217



Part./Art.  
Réf. 213

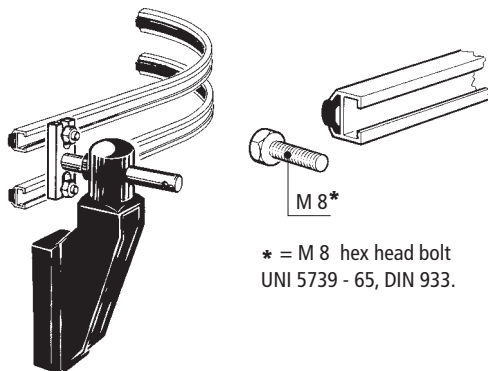


- Use of Part. 346  
Conveyors with limited lateral loads (ex brick).



Part./Art.  
Réf. 346

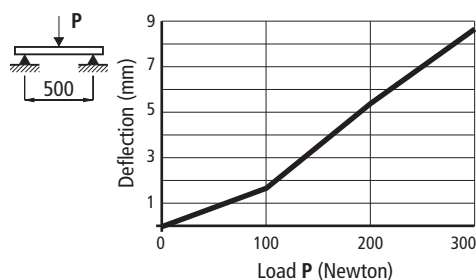
- Assembly of Part. 346



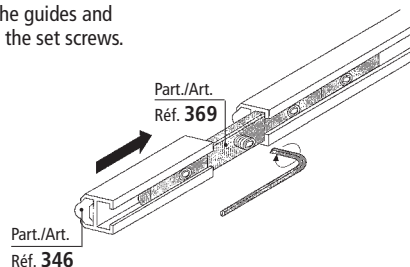
M 8\*

\* = M 8 hex head bolt  
UNI 5739 - 65, DIN 933.

- Deflection of Part. 346

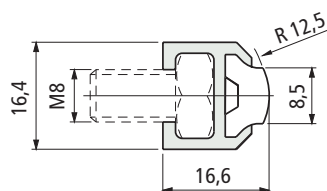


- Assembly of Part. 369  
Insert the guides and tighten the set screws.



Part./Art.  
Réf. 346

## Guide rail (half round)



| Part. | Length metres | Code  | Weight kg/m |
|-------|---------------|-------|-------------|
| 346   | 3             | 60204 | 0,24        |
|       | 6             | 60214 |             |

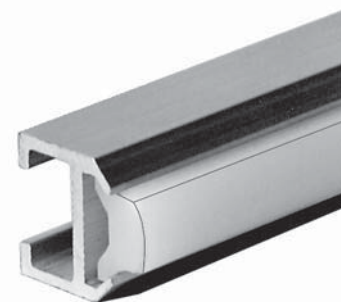
- Material : plastic profile in polyethylene UHMWPE (white).  
Metal profile in anodized aluminium.
- Min. curvature radius : 110 mm.
- Linear expansion coefficient :  $2 \times 10^{-4}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 48 metres (in 3 m length).  
96 metres (in 6 m length).

### Accessories :



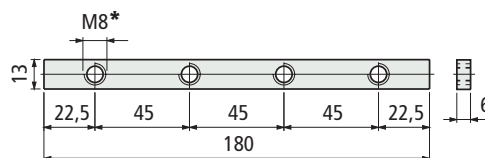
Guide rail bending  
machine (manual)  
see page S101.

## Part. 346



In aluminium

## Connecting bar



\* = set screw

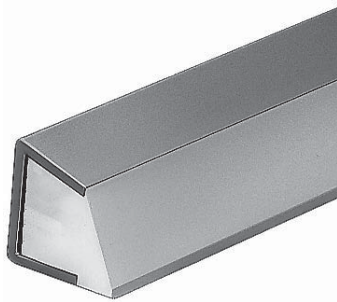
| Part. | Code  |
|-------|-------|
| 369   | 69995 |

- Material : zinc plated steel.
- Weight : 0,1 Kg.
- Packaging : 8 pieces.

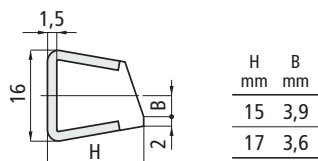
## Part. 369



## Part. 393



### Label protection guide



| Part. | Metal profile material | Length metres | H mm | Code  | Weight kg/m |
|-------|------------------------|---------------|------|-------|-------------|
| 393   | Inox AISI 304          | 3             | 15   | 62522 | 0,50        |
|       |                        |               | 17   | 62512 |             |

- Plastic profile material : polyethylene UHMWPE (white). Antistatic polyethylene UHMWPE (black) available upon request with minimum quantities.
- Min. curvature radius : 145 mm.
- Linear expansion coefficient :  $4 \times 10^{-5}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 24 metres.
- Accessories :



Guide rail clamps  
see page S104.

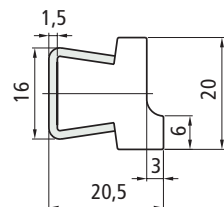


Guide rail bending machine (manual)  
see page S101.

## Part. 596



### Label protection guide



| Part. | Metal profile material | Length metres | Code    | Weight kg/m |
|-------|------------------------|---------------|---------|-------------|
| 596   | Inox AISI 304          | 6             | 611092* | 0,65        |

- Use : unstable containers. Beer bottles (0,33 l), water bottles (1/2 l).
- Plastic profile material : polyethylene UHMWPE (white).
- Min. curvature radius : 160 mm.
- Linear expansion coefficient :  $4 \times 10^{-5}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 48 metres.
- Accessories :



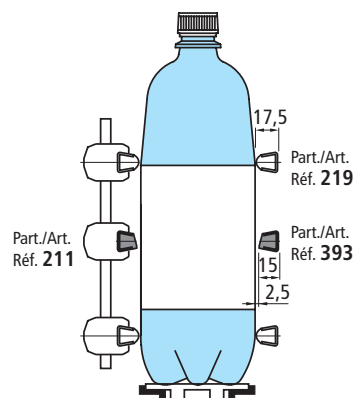
Guide rail clamps  
see page S104.



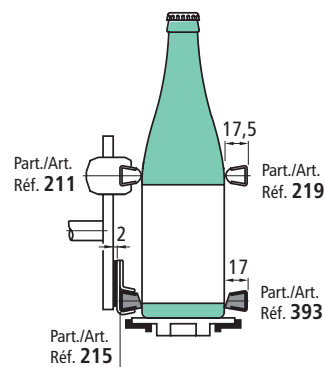
Guide rail bending machine (manual)  
see page S101.

### Use of Part. 393

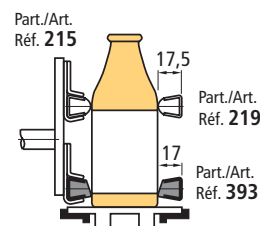
Transport of PET btles with petaloid bottom.  
The guide can be used to stabilize, and protect label from damage.



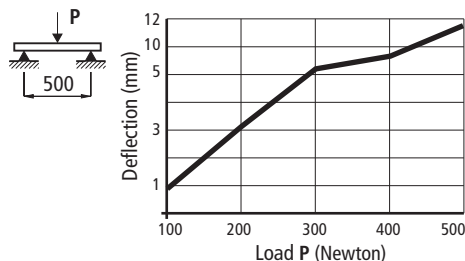
Transport of glass bottles.



Transport of fruit juices.



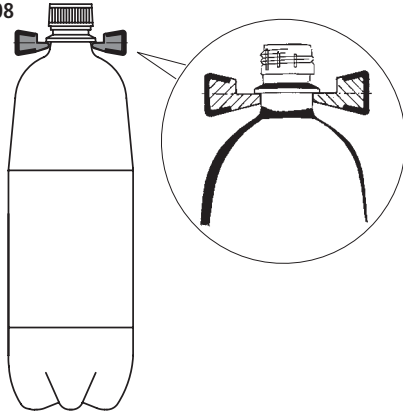
### Deflection of Part. 393 - 596



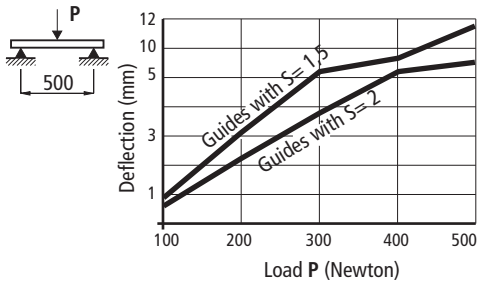
\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

- Use of Part. 308  
Overhead transport of PET bottles.

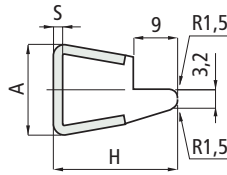
Part./Art.  
Réf. 308



- Deflection of Part. 308



## Neck transport guide



| S   | H    | A  |
|-----|------|----|
| mm  | mm   | mm |
| 1,5 | 22,5 | 16 |
| 2   | 23   | 17 |

| Part. | Metal profile material | Thickness S mm | Length metres | Code  | Weight kg/m |
|-------|------------------------|----------------|---------------|-------|-------------|
| 308   | Inox AISI 304          | 1,5            | 3             | 65602 | 0,65        |
|       |                        |                | 6             | 68192 |             |
|       |                        | 2              | 3             | 67713 |             |

- Plastic profile material : polyethylene UHMWPE (white). Antistatic polyethylene UHMWPE (black) or antiabrasive (green) available upon request with minimum quantities.
- Min. curvature radius : 160 mm.
- Linear expansion coefficient :  $4 \times 10^{-5}$ . Calculation of thermal expansion see page S204.
- Packaging : 24 metres (in 3 m length). 48 metres (in 6 m length).

- Accessories :

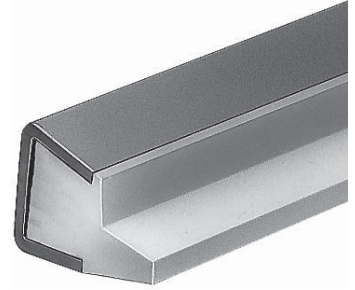


Guide rail clamps  
see page S104.



Guide rail bending machine (manual)  
see page S101.

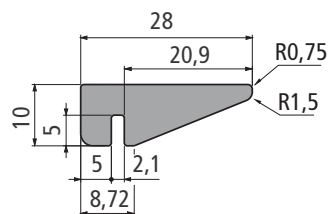
## Part. 308



Part. **594XLF**

*New  
Product*

## ■ Neck transport guide

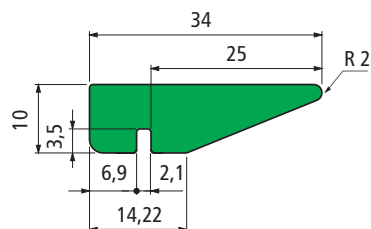


| Part.   | Length<br>metres | Code      |
|---------|------------------|-----------|
| 594 XLF | 3                | XL 691702 |
|         | 6                | XL 691712 |

- Characteristics : new material Polyethylene **XLF grey** (UHMWPE) : reduced friction coefficient, higher wear resistance, do not leave any traces on the container.
- Material : Polyethylene UHMWPE (grey) + solid lubricant.
- Min. curvature radius : 750 mm.
- Linear expansion coefficient :  $2 \times 10^{-4}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 45 metres (in 3 m length).  
90 metres (in 6 m length).

Part. **654-654XLF**

## ■ Neck transport guide

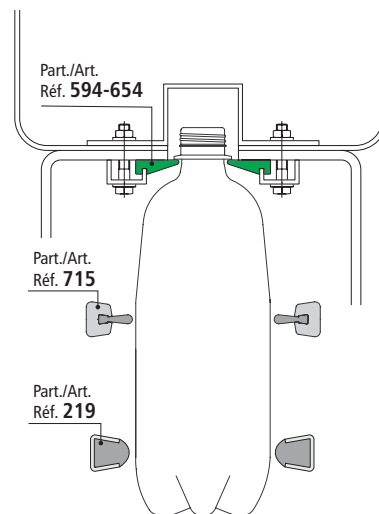


| Part.                              | Length<br>metres | Code      |
|------------------------------------|------------------|-----------|
| <b>Polyethylene UHMWPE (green)</b> |                  |           |
| 654                                | 6                | 654872    |
| <b>Polyethylene XLF (grey)</b>     |                  |           |
| 654 XLF                            | 3                | XL691722* |
|                                    | 6                | XL691732* |

\* = *New Product*.

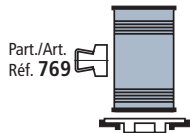
- Characteristics : new material Polyethylene **XLF grey** (UHMWPE) : reduced friction coefficient, higher wear resistance, do not leave any traces on the container.
- Min. curvature radius : 750 mm.
- Linear expansion coefficient :  $2 \times 10^{-4}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 90 metres.

- Use of Part. 594-654  
Overhead transport of PET bottles.

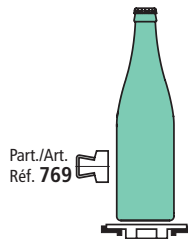




- Use of Part. 770-769 Medium strength containers.  
(ex. latten, glass)

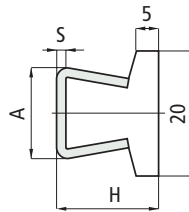


Part./Art.  
Réf. 769



Part./Art.  
Réf. 769

## ■ Guide rail (flat)



| S<br>mm | H<br>mm | A<br>mm |
|---------|---------|---------|
| 1,5     | 17      | 16      |
| 2       | 17,5    | 17      |

| Part. | Thickness<br>S<br>mm | Metal<br>profile material | Length<br>metres | Code   | Weight<br>kg/m |
|-------|----------------------|---------------------------|------------------|--------|----------------|
| 770   | 1,5                  | Inox AISI 304             | 3                | 609183 | 0.61           |
|       |                      | Zinc plated steel         | 6                | 609193 |                |
|       | 2                    | Inox AISI 304             | 3                | 609213 | 0.71           |
|       |                      |                           | 6                | 609223 |                |

- Plastic profile material : polyethylene UHMWPE (white) with Microban® antibacterial protection.
- Antistatic polyethylene UHMWPE (black) available upon request with minimum quantities.
- Min. curvature radius : 160 mm.
- Linear expansion coefficient :  $4 \times 10^{-5}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 24 metres
- Accessories :



Guide rail  
clamps  
see page S104.



Guide rail bending  
machine (manual)  
see page S101.

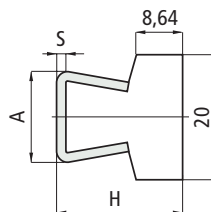
## Part. 770



New  
Product



## ■ Guide rail (flat)



| S<br>mm | H<br>mm | A<br>mm |
|---------|---------|---------|
| 1,5     | 20,5    | 16      |
| 2       | 21      | 17      |

| Part. | Thickness<br>S<br>mm | Metal<br>profile material | Length<br>metres | Code   | Weight<br>kg/m |
|-------|----------------------|---------------------------|------------------|--------|----------------|
| 769   | 1,5                  | Inox AISI 304             | 3                | 609133 | 0,67           |
|       |                      | Zinc plated steel         | 6                | 609143 |                |
|       | 2                    | Inox AISI 304             | 3                | 609163 | 0,78           |
|       |                      |                           | 6                | 609173 |                |

- Plastic profile material : polyethylene UHMWPE (white) with Microban® antibacterial protection.
- Antistatic polyethylene UHMWPE (black) available upon request with minimum quantities.
- Min. curvature radius : 160 mm.
- Linear expansion coefficient :  $4 \times 10^{-5}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 24 metres
- Accessories :



Guide rail  
clamps  
see page S104.



Guide rail bending  
machine (manual)  
see page S101.

## Part. 769



New  
Product



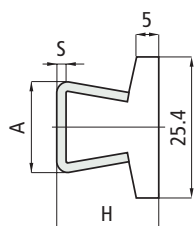
## Part. 768



**New  
Product**



## ■ Guide rail (flat)



| S<br>mm | H<br>mm | A<br>mm |
|---------|---------|---------|
| 1,5     | 17      | 16      |
| 2       | 17,5    | 17      |

| Part. | Thickness<br>S<br>mm | Metal<br>profile material | Length<br>metres | Code   | Weight<br>kg/m |
|-------|----------------------|---------------------------|------------------|--------|----------------|
| 768   | 1,5                  | Inox AISI 304             | 3                | 609083 | 0,63           |
|       |                      | Zinc plated steel         | 6                | 609093 |                |
|       | 2                    | Inox AISI 304             | 3                | 609103 | 0,74           |
|       |                      |                           | 6                | 609123 |                |

- Plastic profile material : polyethylene UHMWPE (white) with Microban® antibacterial protection. Antistatic polyethylene UHMWPE (black) available upon request with minimum quantities.
- Min. curvature radius : 160 mm.
- Linear expansion coefficient :  $4 \times 10^{-5}$ . Calculation of thermal expansion see page S204.
- Packaging : 24 metres
- Accessories :



Guide rail  
clamps  
see page S104.



Guide rail bending  
machine (manual)  
see page S101.

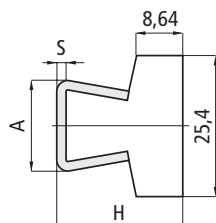
## Part. 767



**New  
Product**



## ■ Guide rail (flat)



| S<br>mm | H<br>mm | A<br>mm |
|---------|---------|---------|
| 1,5     | 20,5    | 16      |
| 2       | 21      | 17      |

| Part. | Thickness<br>S<br>mm | Metal<br>profile material | Length<br>metres | Code   | Weight<br>kg/m |
|-------|----------------------|---------------------------|------------------|--------|----------------|
| 767   | 1,5                  | Inox AISI 304             | 3                | 609033 | 0,72           |
|       |                      | Zinc plated steel         | 6                | 609043 |                |
|       | 2                    | Inox AISI 304             | 3                | 609063 | 0,82           |
|       |                      |                           | 6                | 609073 |                |

- Plastic profile material : polyethylene UHMWPE (white) with Microban® antibacterial protection. Antistatic polyethylene UHMWPE (black) available upon request with minimum quantities.
- Min. curvature radius : 160 mm.
- Linear expansion coefficient :  $4 \times 10^{-5}$ . Calculation of thermal expansion see page S204.
- Packaging : 24 metres
- Accessories :

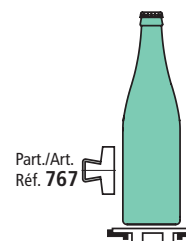
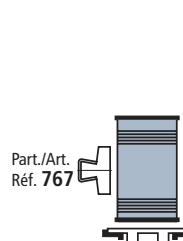


Guide rail  
clamps  
see page S104.



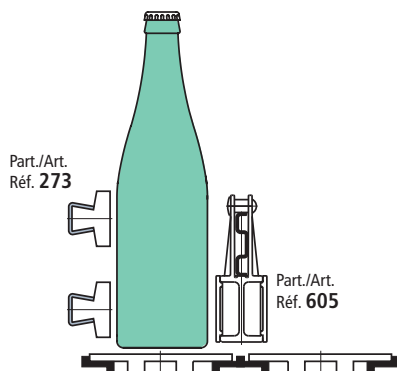
Guide rail bending  
machine (manual)  
see page S101.

- Use of Part. 770-769 Medium strength containers. (ex. latten, glass)

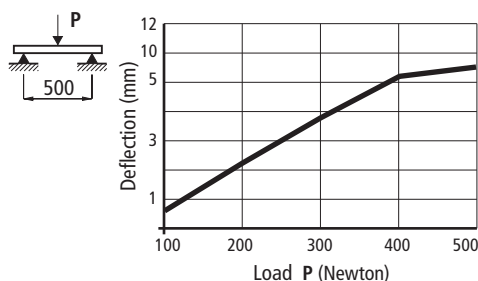


## • Use of Part. 273

Rugged containers with delicate surface (ex. decorated glass bottles). Can be use in combination with Part. 605.

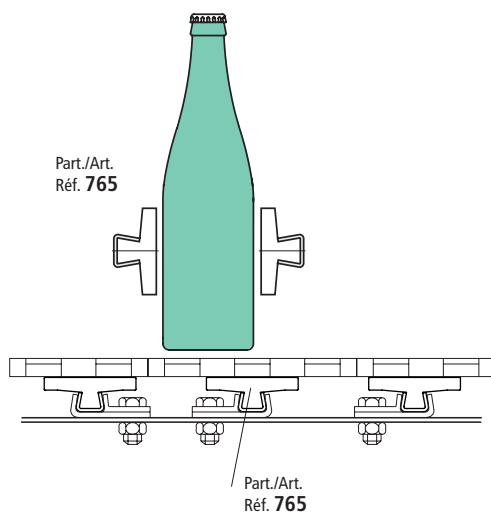


## • Deflection of Part. 273

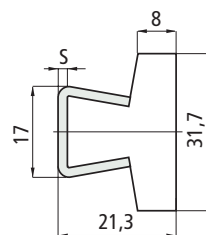


## • Use of Part. 765

Rugged containers with delicate surface (ex. decorated glass bottles).



## ■ Guide rail (extra-flat)



| Part. | Thickness<br>S mm | Metal<br>profile material | Length<br>metres | Code              |                      |
|-------|-------------------|---------------------------|------------------|-------------------|----------------------|
|       |                   |                           |                  | With<br>Microban® | Without<br>Microban® |
| 273   | 2                 | Inox AISI 304             | 3                | 651982            | 66791                |
|       |                   |                           | 6                | —                 | 67602                |

- Plastic profile material : polyethylene UHMWPE (white)
- Min. curvature radius : 160 mm.
- Weight : 0,76 kg/m.
- Linear expansion coefficient :  $4 \times 10^{-5}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 24 metres (in 3 m length).
- 36 metres (in 6 m length).

### - Accessories :

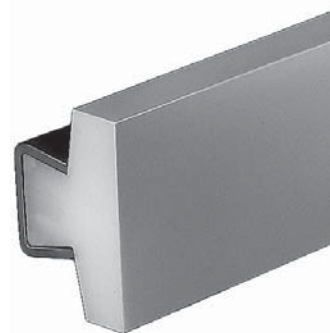


Guide rail  
clamps  
see page S104.

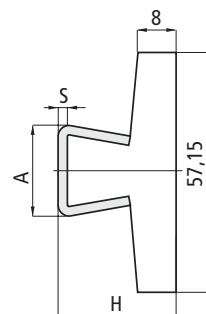


Guide rail bending  
machine (manual)  
see page S101.

## Part. 273



## ■ Guide rail (extra-flat)



| S mm | H mm | A mm |
|------|------|------|
| 1,5  | 20,5 | 16   |
| 2    | 21   | 17   |

| Part. | Thickness<br>S mm | Metal<br>profile material | Length<br>metres | Code   | Wight<br>kg/m |
|-------|-------------------|---------------------------|------------------|--------|---------------|
|       |                   |                           |                  |        |               |
| 765   | 1,5               | Inox AISI 304             | 3                | 608943 | 0,95          |
|       |                   |                           | 6                | 608953 |               |
|       | 2                 | Zinc plated steel         | 3                | 608963 | 1,06          |
|       |                   |                           | 6                | 608973 |               |
|       | 2                 | Inox AISI 304             | 3                | 608973 | 1,06          |
|       |                   |                           | 6                | 608983 |               |

- Plastic profile material : polyethylene UHMWPE (white) with Microban® antibacterial protection.
- Antistatic polyethylene UHMWPE (black) available upon request with minimum quantities.
- Min. curvature radius : 200 mm.
- Linear expansion coefficient :  $4 \times 10^{-5}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 24 metres

### - Accessories :



Guide rail  
clamps  
see page S104.



Guide rail bending  
machine (manual)  
see page S101.

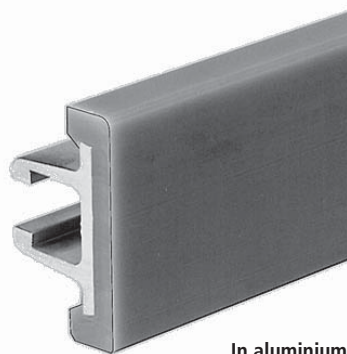
## Part. 765



New  
Product

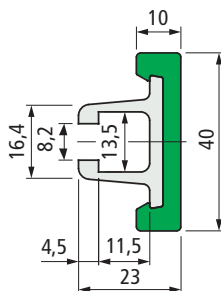


## Part. 422



In aluminium

### ■ Guide rail (extra flat)



| Part. | Colour | Length metres | Code             | Weight kg/m |
|-------|--------|---------------|------------------|-------------|
| 422   | Green  | 3<br>6        | 65248M<br>65258M | 0,7         |

- Use : rugged containers.
- Material : plastic profile in polyethylene UHMWPE (green). Metal profile in anodized aluminium.
- State of supply : the plastic and metal profiles are supplied assembled.
- Plastic profile spare part code : **68309** (6 metres).
- Min. curvature radius : 280 mm.
- Linear expansion coefficient :  $2 \times 10^{-4}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 48 metres.
- Accessories :



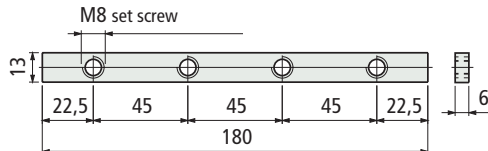
Guide rail bending machine (manual) see page S101.

### Accessories

## Part. 369



### ■ Connecting bar



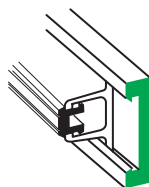
| Part. | Code  |
|-------|-------|
| 369   | 69995 |

- Material : zinc plated steel.
- Weight : 0,1 Kg.
- Packaging : 8 pieces.

## Part. 370



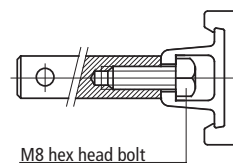
### ■ Sealing profile



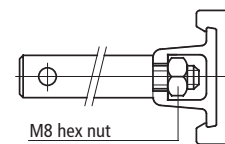
| Part. | Code   |
|-------|--------|
| 370   | 61036* |

- Use : improves guide cleanliness.
- Material : rubber EPDM 80 (black).
- State of supply : coils.
- Packaging : 20 metres.

### • Fixing of Part. 422

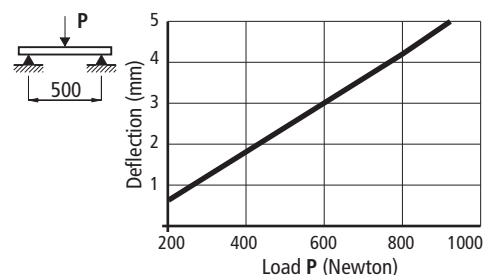


M8 hex head bolt



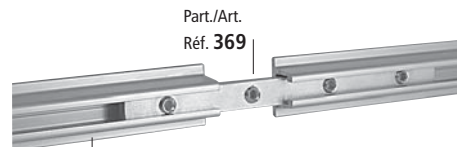
M8 hex nut

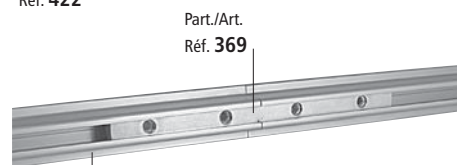
### • Deflection of Part. 422



### • Assembly of Part. 369

Insert the guides and tighten the set screws.


Part./Art.  
Réf. 422

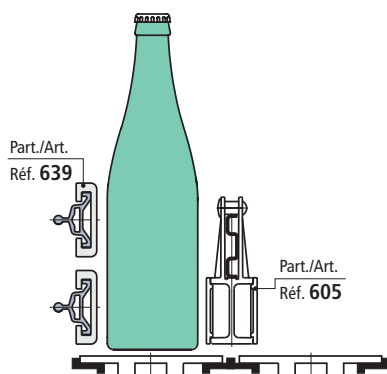
Part./Art.  
Réf. 369

Part./Art.  
Réf. 422

Part./Art.  
Réf. 369

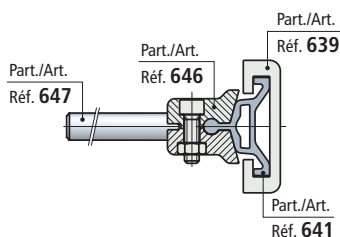
\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

## • Use of Part. 639

Rugged containers with delicate surface (for example decorated glass bottles). Can be used in combination with Part. 605.

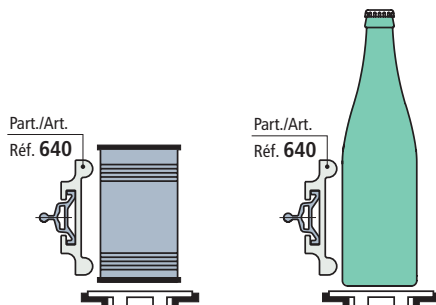


## • Assembly of Part. 639

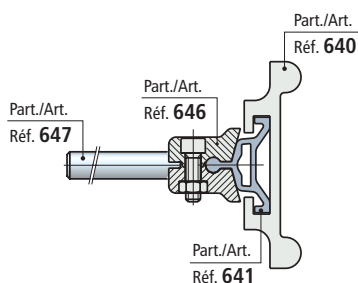


## • Use of Part. 640

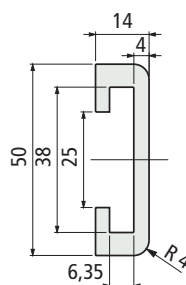
Medium strength containers (ex: latten, glass).



## • Assembly of Part. 640



## ■ Guide rail



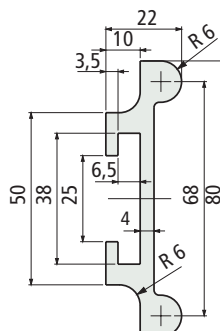
| Part. | Colour | Length metres | Code   |
|-------|--------|---------------|--------|
| 639   | Black  | 3             | 652252 |

- Material : polyethylene UHMWPE.
- Linear expansion coefficient :  $2 \times 10^{-4}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 36 metres.
- Accessories :



Guide rail  
clamps  
see page S104.

## ■ Guide rail



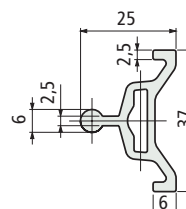
| Part. | Colour | Length metres | Code   |
|-------|--------|---------------|--------|
| 640   | Black  | 3             | 652262 |

- Material : polyethylene UHMWPE.
- Linear expansion coefficient :  $2 \times 10^{-4}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 36 metres.
- Accessories :



Guide rail  
clamps  
see page S104.

## ■ Metal profile



| Part. | Length metres | Code   |
|-------|---------------|--------|
| 641   | 3             | 652272 |
|       | 6             | 652282 |

Material : anodized aluminium.

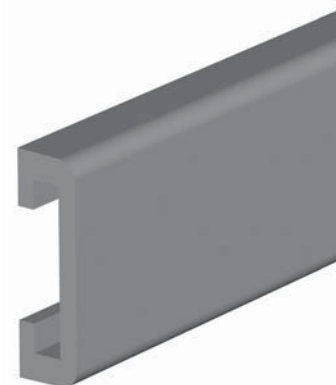
- Packaging : 36 metres.

- Accessories :

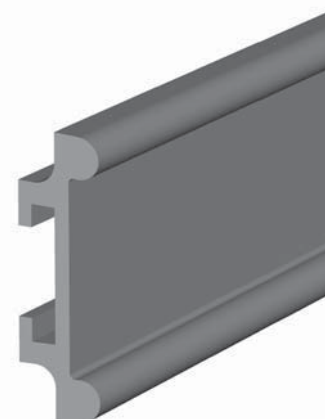


Guide rail  
clamps  
see page S104.

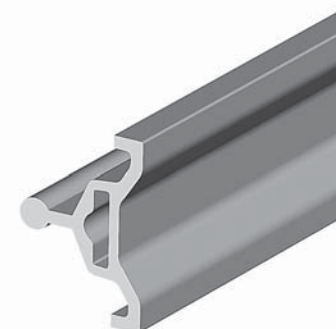
## Part. 639



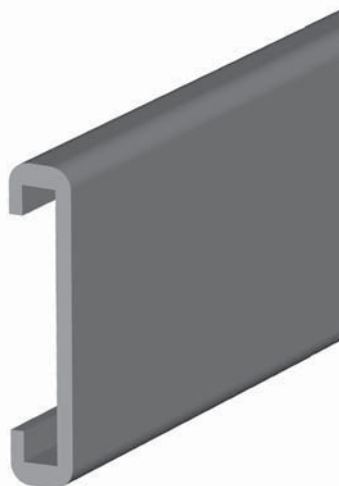
## Part. 640



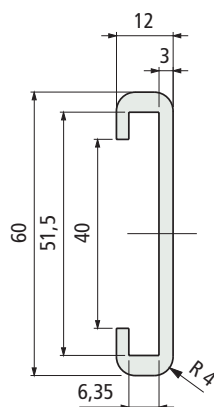
## Part. 641



## Part. 642



## ■ Guide rail (extra flat)



| Part. | Colour | Length metres | Code   | Weight kg/m |
|-------|--------|---------------|--------|-------------|
| 642   | Black  | 3             | 652292 | —           |

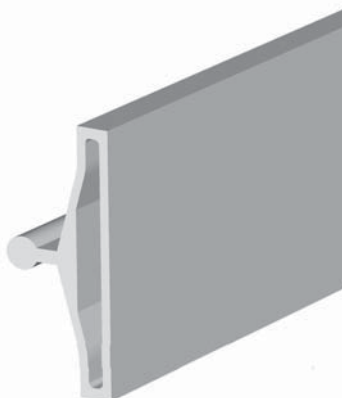
- Material : polyethylene UHMWPE.
- Linear expansion coefficient :  $2 \times 10^{-4}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 36 metres.
- Accessories :



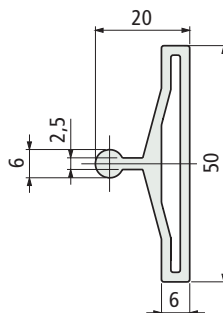
Part. 643  
Metal  
profile

## Accessories

## Part. 643



## ■ Metal profile



| Part. | Length metres | Code   | Weight kg/m |
|-------|---------------|--------|-------------|
| 643   | 3             | 652302 | —           |
|       | 6             | 652312 | —           |

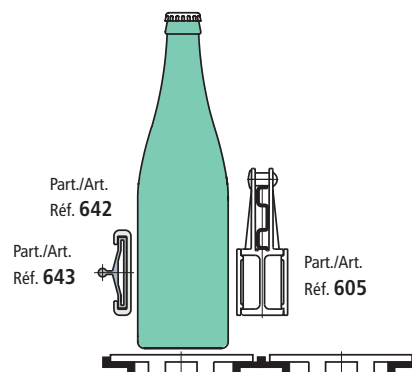
- Can be used in combination with Part. 642.
- Material : anodized aluminium.
- Packaging : 36 metres.
- Accessories :



Guide rail  
clamp  
see page S104.

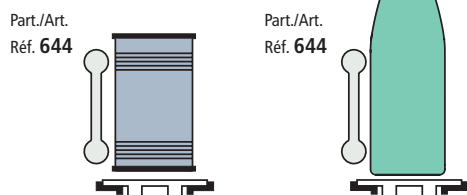
## • Use of Part. 642-643

Rugged containers with delicate surface (for example decorated glass bottles). Can be used in combination with Part. 605.

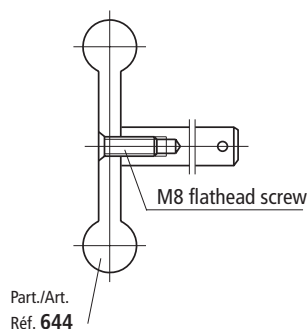




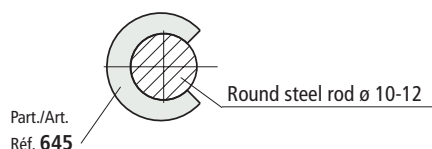
- Use of Part. 644  
Medium strength containers  
(ex: latten, glass).



- Fixing of Part. 644

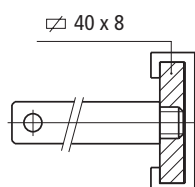


- Use of Part. 645  
Protection of round steel rods

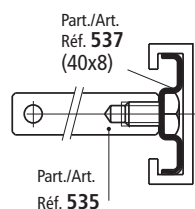


- Fixing of Part. 539  
Assembly / disassembly

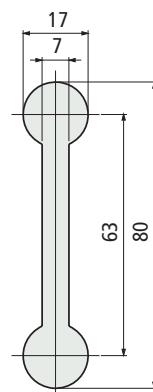
- Fixing with plate.



- Fixing with metal profile Part. 537.



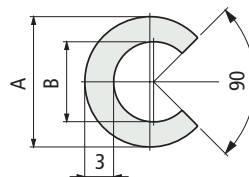
## Guide rail



| Part. | Length metres | Colour | Code   | Weight kg/m |
|-------|---------------|--------|--------|-------------|
| 644   | 3             | Black  | 652322 | -           |
|       |               | Green  | 652332 |             |

- Material : polyethylene UHMWPE.
- Linear expansion coefficient :  $2 \times 10^{-4}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 36 metres.

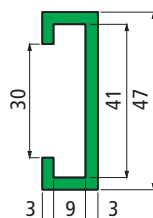
## Profile for round steel rods



| Part. | Use          | A mm | B mm | Code   | Weight kg/m |
|-------|--------------|------|------|--------|-------------|
| 645   | for rod ø 10 | 14   | 9    | 652342 | -           |
|       | for rod ø 12 | 17   | 11   | 652352 |             |

- Material : polyethylene UHMWPE (white).
- Linear expansion coefficient :  $2 \times 10^{-4}$ .
- Standard packaging : coil.
- Packaging : 50 metres.

## Guide rail (extra flat)



| Part. | Colour | Length metres | Code   | Weight kg/m |
|-------|--------|---------------|--------|-------------|
| 539   | Black  | 3             | 689301 | 0,23        |
|       |        | 6             | 689321 |             |
|       | Green  | 3             | 689291 |             |
|       |        | 6             | 689311 |             |

- Material : Polyethylene PE 500.000.
- Linear expansion coefficient :  $2,5 \times 10^{-4}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 48 metres (in 3 m length).
- 96 metres (in 6 m length).
- Accessories :



Part. 537 - Metal  
profile 40x8  
see page. S89.

## Part. 644



## Part. 645



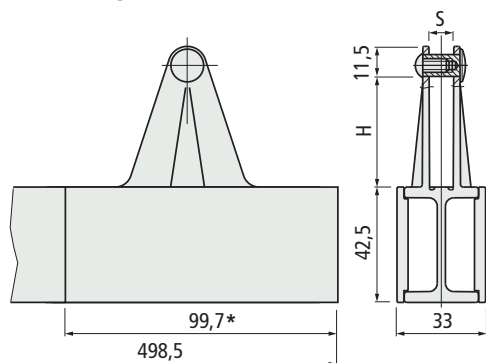
## Part. 539



## Part. 605



### Centre guide (extra flat)



\* = module length

PATENT PENDING

#### Curvilinea

| Part. | Version        | H<br>mm | S<br>mm | Code   | Weight<br>kg/m |
|-------|----------------|---------|---------|--------|----------------|
| 605   | For 30x6 plate | 30      | 6       | 613602 | 0,96           |
|       | For 40x8 plate | 40      | 8       | 613612 |                |

- Use : glass containers without side load. Can be used both straight run and sideflexing.
- Can be used in combination with Part. 273 - 356 - 422 - 539 - 639 - 642.
- Material : frame in acetal POM (black). Low friction plates in acetal POM (white).
- Min. curvature radius : 335 mm.
- Standard packaging : strands of 0,498 metres (N 5 modules).
- Packaging : 4,5 metres (N 9 strands).
- Accessories :



Part. 730  
Divider module  
see page S87.



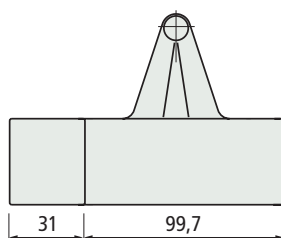
Part. 537 - Metal  
profile 40x8  
see page S89.

#### Accessories

## Part. 606



### Divider module

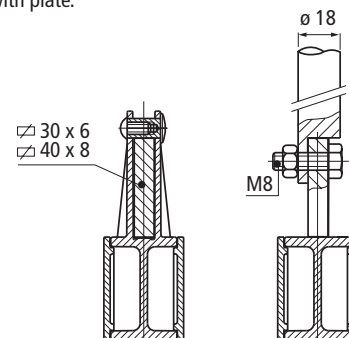


| Part. | Version        | Code   | Weight<br>kg |
|-------|----------------|--------|--------------|
| 606   | For 30x6 plate | 613642 | 0,13         |
|       | For 40x8 plate | 613652 |              |

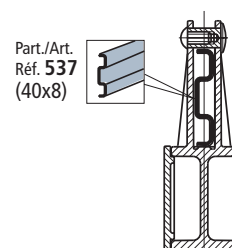
- Material : frame in acetal POM (black). Low friction plates in acetal POM (white). Separation block in polyethylene PE (black).
- Packaging : 2 pieces.

#### Fixing of Part. 605 Assembly / disassembly

- Fixing with plate.

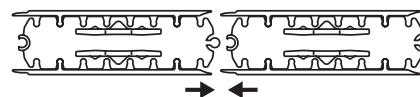


- Fixing with metal profile Part. 537.



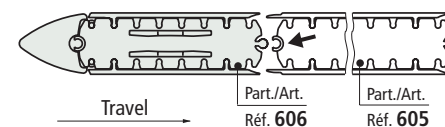
#### Modular system

The guide consists of modules with snap-on assembly.



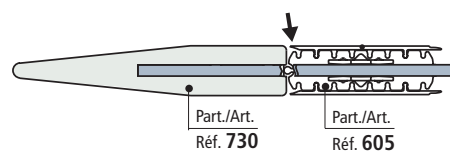
#### Assembly of Part. 606

Guide position Part. 605 to allow assembly with divider module.



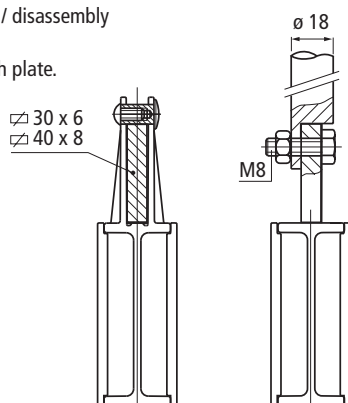
#### Assembly of Part. 730 (see page S87).

Guide position (Part. 605) to allow assembly with divider module Part. 730.

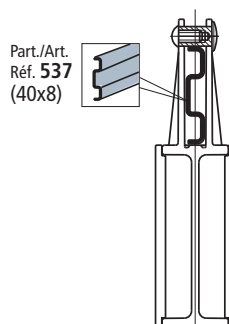


## • Fixing of Part. 605 Assembly / disassembly

- Fixing with plate.

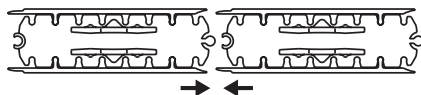


- Fixing with metal profile Part. 537.



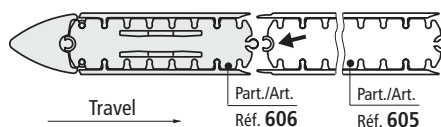
## • Modular system

The guide consists of modules with snap-on assembly.



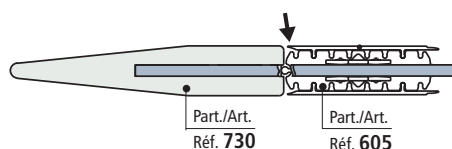
## • Assembly of Part. 606

Guide position Part. 605 to allow assembly with divider module.

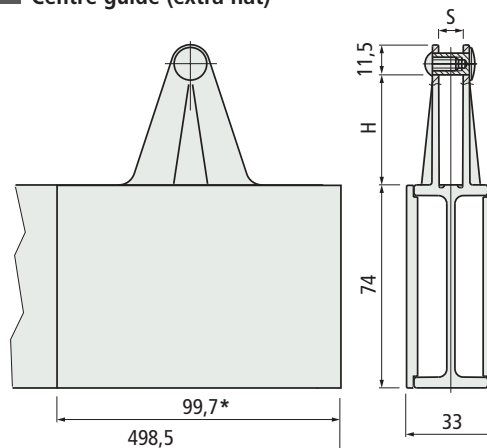


## • Assembly of Part. 730 (see page S87).

Guide position (Part. 605) to allow assembly with divider module Part.730.



## ■ Centre guide (extra flat)



\* = module length  
PATENT PENDING

| Part. | Version        | H<br>mm | S<br>mm | Code   | Weight<br>kg/m |
|-------|----------------|---------|---------|--------|----------------|
| 605   | For 30x6 plate | 30      | 6       | 613622 | 1,38           |
|       | For 40x8 plate | 40      | 8       | 613632 |                |

- Use : glass containers without side load. Can be used both straight run and sideflexing.
- Can be used in combination with Part. 273 - 356 - 422 - 539 - 639 - 642.
- Material : frame in acetal POM (black). Low friction plates in acetal POM (white).
- Min. curvature radius : 335 mm.
- Standard packaging : strands of 0,498 metres (N 5 modules).
- Packaging : 4,5 metres (N 9 strands).
- Accessories :

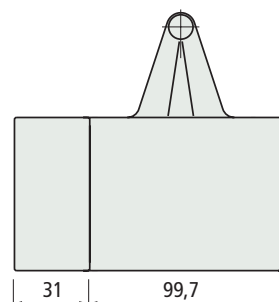


Part. 730  
Divider module  
see page S87.



Part. 537 - Metal  
profile 40x8  
see page S89.

## ■ Divider module



| Part. | Version        | Code   | Weight<br>kg |
|-------|----------------|--------|--------------|
| 606   | For 30x6 plate | 613662 | 0,19         |
|       | For 40x8 plate | 613672 |              |

- Material : frame in acetal POM (black). Low friction plates in acetal POM (white). Separation block in polyethylene PE (black).
- Packaging : 2 pieces.

## Part. 605



Sideflexing

## Accessories

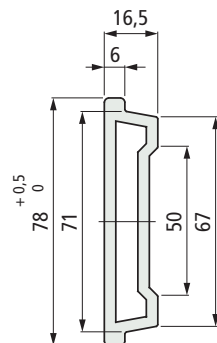
## Part. 606



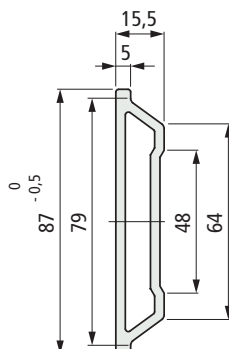
# Part. 191-296

## ■ Guide rail (extra-large)

Part. 191



Part. 296



| Part. | Colour | Length metres | Code   | Weight kg/m |
|-------|--------|---------------|--------|-------------|
| 191   | Black  | 3             | 57131  | 0,60        |
|       |        | 6             | 56811  |             |
| 296   | Black  | 3             | 68811  | 0,60        |
|       |        | 6             | 618291 |             |

- Material : polyethylene PE 500.000.
- Min. curvature radius : 200 mm.
- Linear expansion coefficient :  $2,5 \times 10^{-4}$ .
- Calculation of thermal expansion see page S204.
- Packaging : 30 metres (in 3 m length).
- 60 metres (in 6 m length).

### - Accessories :

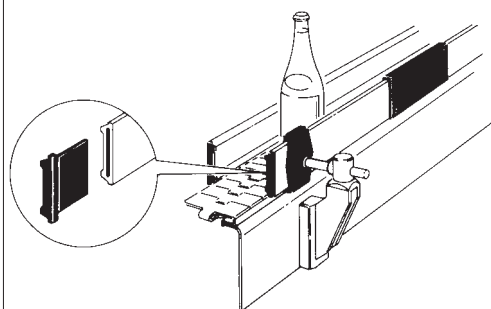


Guide rail clamps  
Part. 191 (see page S120).  
Part. 296 (see page S121).

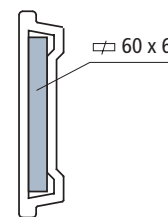


Bending machine  
see page S101.

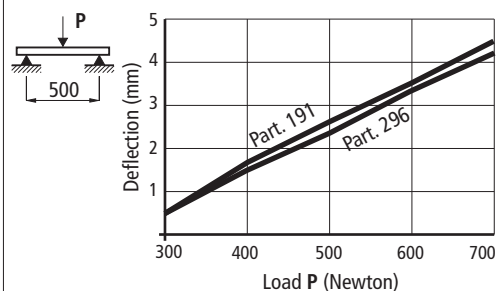
### • Use of Part. 191-296



- The guide rails must be used with a 60 x 6 plate



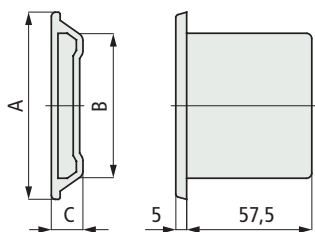
### • Deflection of Part. 191 - 296



## Accessories

# Part. 376-377

## ■ End plug

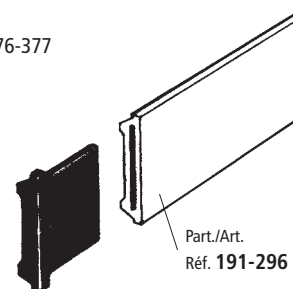


| Part. | Use                     | A mm | B mm | C mm | Code  |
|-------|-------------------------|------|------|------|-------|
| 376   | Applicable to Part. 191 | 77   | 65,3 | 15,5 | 63626 |
| 377   | Applicable to Part. 296 | 86   | 63,8 | 14,5 | 63636 |

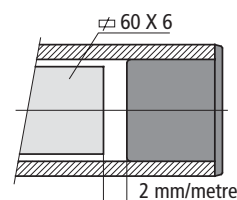
- Material : reinforced polypropylene PP FV (black).
- Packaging : 50 pieces.

### • Assembly of Part. 376-377

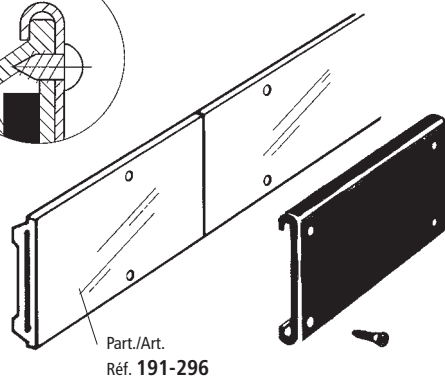
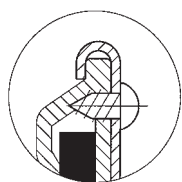
Press-fit.  
Seal with silicon.



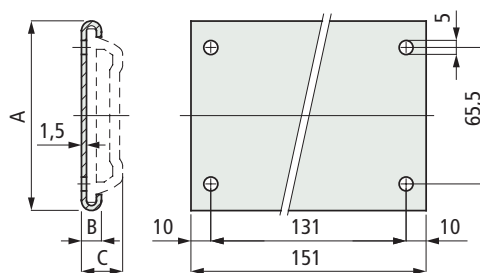
- Leave a gap between the plug and the plate to allow for contraction at low temperatures.



- Assembly of Part. 378-379  
Assembly with self-tapping screws 4,8 x 9,5 DIN 7970



## Joint clamp



| Part. | Use                     | A<br>mm | B<br>mm | C<br>mm | Code  |
|-------|-------------------------|---------|---------|---------|-------|
| 378   | Applicable to Part. 191 | 81,5    | 9       | 18      | 63646 |
| 379   | Applicable to Part. 296 | 90      | 8       | 17      | 63656 |

- Material : clamp and fixing screws in stainless steel AISI 304.
- Standard packaging : 50 pieces complete with fixing screws.

## Part. 378-379

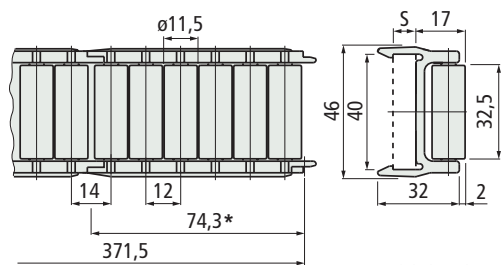


## Part. 581-722



Sideflexing

### Roller side guide



\*= module length

PATENT PENDING

| Part.                              | Version         | S<br>mm | Code    | weight<br>kg/m |
|------------------------------------|-----------------|---------|---------|----------------|
| Rollers in Polyethylene PE (white) |                 |         |         |                |
| 581                                | For 40x8 plate  | 8       | 603322  | 0,62           |
|                                    | For 40x10 plate | 10      | 673952* |                |
| Rollers in Polyurethan (blue)      |                 |         |         |                |
| 722                                | For 40x8 plate  | 8       | 688622* | 0,62           |
|                                    | For 40x10 plate | 10      | 688662* |                |

\*= New product.

- Characteristic new material **Polyurethan (blue)**: low noise, 85 Shore A hardness.
- Material : frame in acetal POM (black).
- Standard packaging : strands of 0,371 metres (N 5 modules).
- Packaging : 4,5 metres (N 12 strands).
- Accessories :



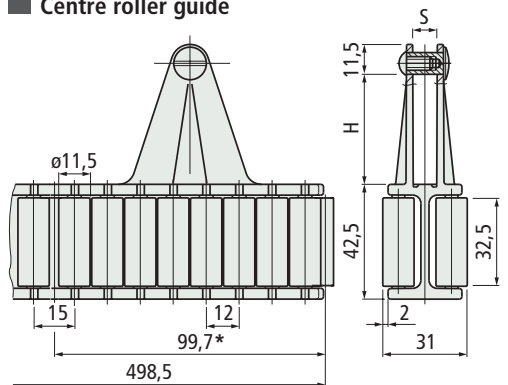
Part. 537 - Metal profile 40x8 see page S89.

## Part. 585-724



Sideflexing

### Centre roller guide



\*= module length

PATENT PENDING

| Part.                              | Version        | H<br>mm | S<br>mm | Code     | Weight<br>kg/m |
|------------------------------------|----------------|---------|---------|----------|----------------|
| Rollers in Polyethylene PE (white) |                |         |         |          |                |
| 585                                | For 30x6 plate | 30      | 6       | 603492 N | 1,24           |
|                                    | For 40x8 plate | 40      | 8       | 603502 N |                |
| Rollers in Polyurethan (blue)      |                |         |         |          |                |
| 724                                | For 30x6 plate | 30      | 6       | 688682*  | 1,24           |
|                                    | For 40x8 plate | 40      | 8       | 688692*  |                |

\*= New product.

- Can be used in combination with Part. 581-722.
- Characteristic new material **Polyurethan (blue)**: low noise, 85 Shore A hardness.
- Material : frame in acetal POM (black).
- Min. curvature radius : 335 mm.
- Standard packaging : strands of 0,498 metres (N 5 modules).
- Packaging : 4,5 metres (N 9 strands).
- Accessories :



Part. 730 Divider module see page S87.



Part. 537 - Metal profile 40x8 see page S89.

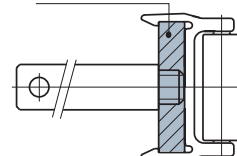
### Use of Part. 581-722-585-724

For thin walled and delicate containers (like aluminium cans, PET bottles, decorated card-board).

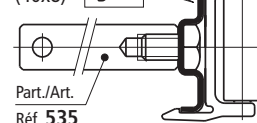
### Fixing of Part. 581-722

Snap-on assembly / disassembly

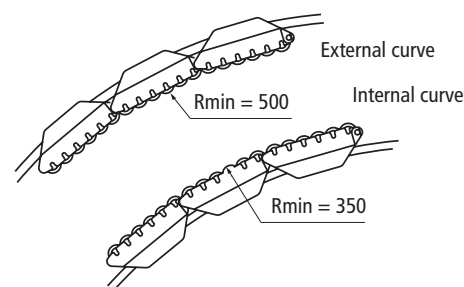
- Fixing with plate.

40 x 8  
40 x 10


- Fixing with metal profile Part. 537.

Part./Art.  
Réf. 537  
(40x8)

Part./Art.  
Réf. 535

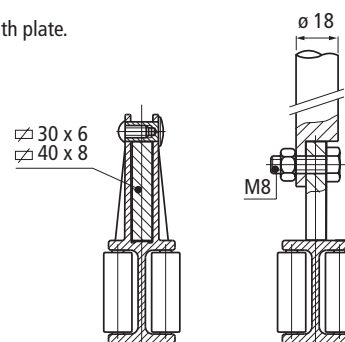
### Min. curvature radius Part. 581-722



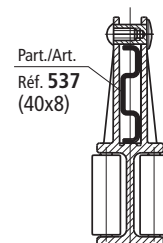
### Fixing of Part. 585-724

Assembly / disassembly

- Fixing with plate.

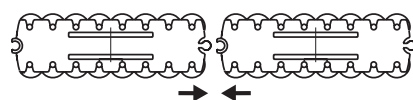


- Fixing with metal profile Part. 537.


Part./Art.  
Réf. 537  
(40x8)

### Modular system Part. 581-722-585-724

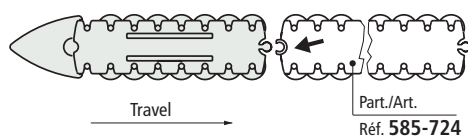
The guide consists of modules with snap-on assembly.



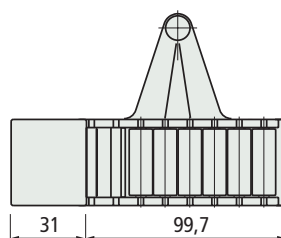


## • Assembly of Part. 586-761

Guide position (Part. 585-724) to allow assembly with divider module.



## ■ Divider module



| Part.                              | Version        | Code     | Weight<br>kg |
|------------------------------------|----------------|----------|--------------|
| Rollers in Polyethylene PE (white) |                |          |              |
| 586                                | For 30x6 plate | 603552 N | 0,15         |
|                                    | For 40x8 plate | 603562 N |              |
| Rollers in Polyurethan (blue)      |                |          |              |
| 761                                | For 30x6 plate | 608033N* | 0,15         |
|                                    | For 40x8 plate | 608043N* |              |

\* = New product.

- Characteristic new material **Polyurethan (blue)**:  
low noise, 85 Shore A hardness.

- Material : frame in acetal POM (black). Separation block in polyethylene PE (black).

- Packaging : 2 pieces.

## Part. **586-761**

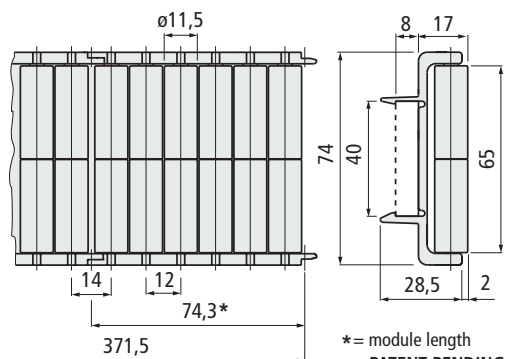


## Part. 581-722



Sideflexing

### Roller side guide



\* = module length  
PATENT PENDING

| Part.                                     | Version        | Code    | Weight kg/m |
|-------------------------------------------|----------------|---------|-------------|
| <b>Rollers in Polyethylene PE (white)</b> |                |         |             |
| 581                                       | For 40x8 plate | 603312  | 1,01        |
| <b>Rollers in Polyurethan (blue)</b>      |                |         |             |
| 722                                       | For 40x8 plate | 688672* | 1,01        |

\* = New product.

- Characteristic new material **Polyurethan (blue)**: low noise, 85 Shore A hardness.
- Material : frame in acetal POM (black).
- Standard packaging : strands of 0,371 metres (N 5 modules).
- Packaging : 4,5 metres (N 12 strands).
- Accessories :



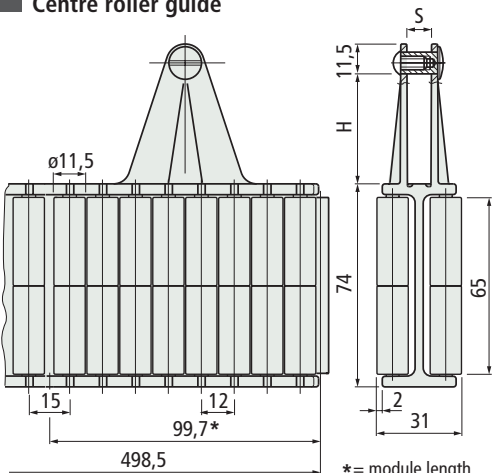
Part. 537 - Metal profile 40x8 see page S89

## Part. 585-724



Sideflexing

### Centre roller guide



\* = module length  
PATENT PENDING

| Part.                              | Version        | H<br>mm | S<br>mm | Code    | Weight<br>kg/m |
|------------------------------------|----------------|---------|---------|---------|----------------|
| Rollers in Polyethylene PE (white) |                |         |         |         |                |
| 585                                | For 30x6 plate | 30      | 6       | 603512  | 2,0            |
|                                    | For 40x8 plate | 40      | 8       | 603522  |                |
| Rollers in Polyurethan (blue)      |                |         |         |         |                |
| 724                                | For 30x6 plate | 30      | 6       | 688702* | 2,0            |
|                                    | For 40x8 plate | 40      | 8       | 688712* |                |

\* = New product.

- Can be used in combination with Part. 581-722.
- Characteristic new material **Polyurethan (blue)**: low noise, 85 Shore A hardness.
- Material : frame in acetal POM (black).
- Min. curvature radius : 335 mm.
- Standard packaging : strands of 0,498 metres (N 5 modules).
- Packaging : 4,5 metres (N 9 strands).
- Accessories :



Part. 730 Divider module see page S87.



Part. 537 - Metal profile 40x8 see page S89.

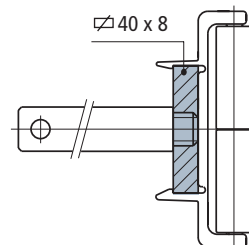
### Use of Part. 581-722-585-724

For thin walled and delicate containers (like aluminium cans, PET bottles, decorated card-board).

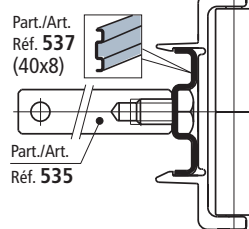
### Fixing of Part. 581-722

Snap-on assembly / disassembly

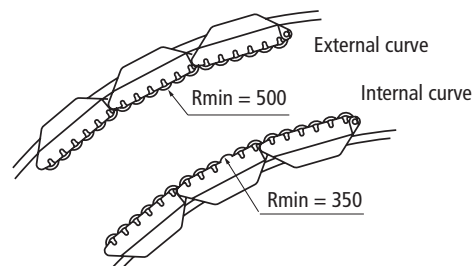
- Fixing with plate.



- Fixing with metal profile Part. 537.



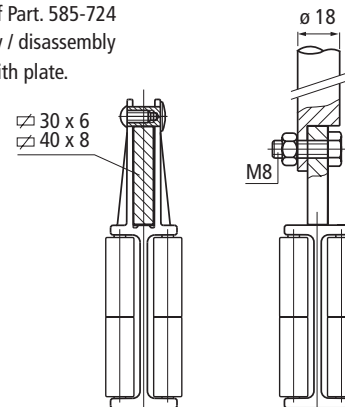
### Min. curvature radius Part. 581-722



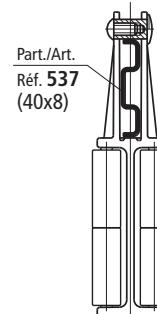
### Fixing of Part. 585-724

Assembly / disassembly

- Fixing with plate.

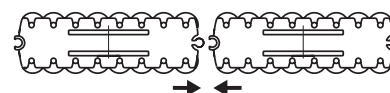


- Fixing with metal profile Part. 537.



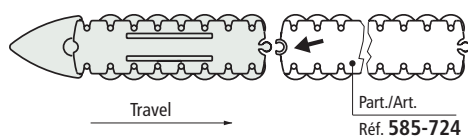
### Modular system Part. 581-722-585-724

The guide consists of modules with snap-on assembly.

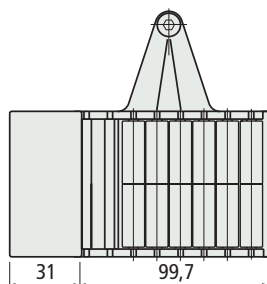


## • Assembly of Part. 586-761

Guide position (Part. 585-724) to allow assembly with divider module.



## ■ Divider module



| Part.                              | Version        | Code    | Weight<br>kg |
|------------------------------------|----------------|---------|--------------|
| Rollers in Polyethylene PE (white) |                |         |              |
| 586                                | For 30x6 plate | 603572  | 0,24         |
|                                    | For 40x8 plate | 603582  |              |
| Rollers in Polyurethan (blue)      |                |         |              |
| 761                                | For 30x6 plate | 608053* | 0,24         |
|                                    | For 40x8 plate | 608063* |              |

\* = New product.

- Characteristic new material **Polyurethan (blue)**:  
low noise, 85 Shore A hardness.

- Material : frame in acetal POM (black). Separation block in polyethylene PE (black).

- Packaging : 2 pieces.

## Part. **586-761**

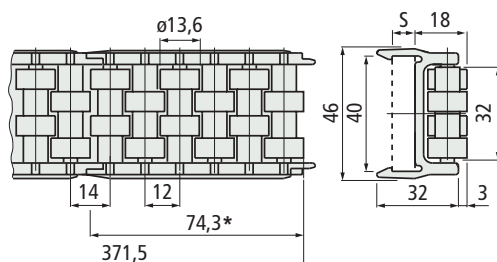


## Part. 580



Sideflexing

### Roller side guide



\*= module length

PATENT PENDING

| Part. | Version         | S<br>mm | Code   | Weight<br>kg/m |
|-------|-----------------|---------|--------|----------------|
| 580   | For 40x8 plate  | 8       | 603302 | 0,61           |
|       | For 40x10 plate | 10      | 611772 |                |

- Material : frame in acetal POM (black). Rollers in polyamide PA (white).
- Standard packaging : strands of 0,371 metres (N 5 modules).
- Packaging : 4,5 metres (N 12 strands).
- Accessories :



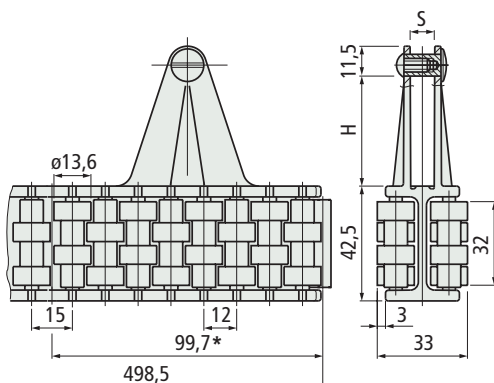
Part. 537 - Metal profile 40x8 see page S89.

## Part. 557



Sideflexing

### Centre roller guide



\*= module length

PATENT PENDING

| Part. | Version        | H<br>mm | S<br>mm | Code     | Weight<br>kg/m |
|-------|----------------|---------|---------|----------|----------------|
| 557   | For 30x6 plate | 30      | 6       | 695501 N | 1,22           |
|       | For 40x8 plate | 40      | 8       | 695991 N |                |

- Can be used in combination with Part. 580.
- Material : frame in acetal POM (black). Rollers in polyamide PA (white).
- Min. curvature radius : 335 mm.
- Standard packaging : strands of 0,498 metres (N 5 modules).
- Packaging : 4,5 metres (N 9 strands).
- Accessories :



Part. 730 Divider module see page S87.

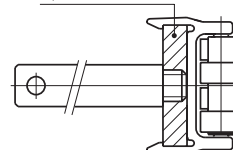


Part. 537 - Metal profile 40x8 see page S89.

### Fixing of Part. 580

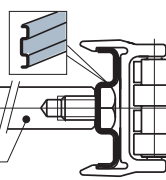
Snap-on assembly / disassembly

- Fixing with plate.

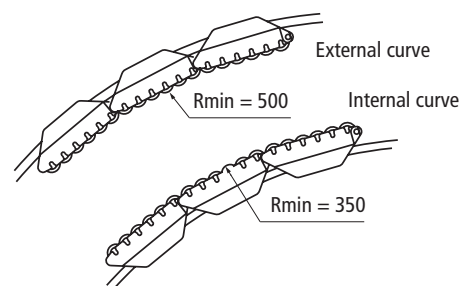
40 x 8  
40 x 10


- Fixing with metal profile Part. 537.

Part./Art.  
Réf. 537  
(40x8)

Part./Art.  
Réf. 535


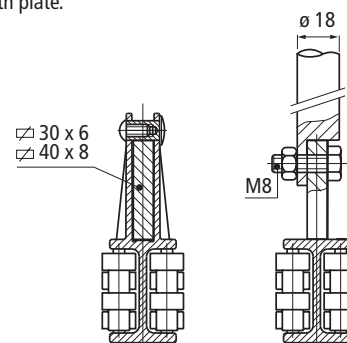
### Min. curvature radius Part. 580



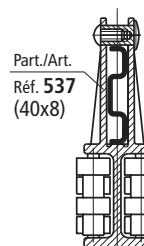
### Fixing of Part. 557

Assembly / disassembly

- Fixing with plate.

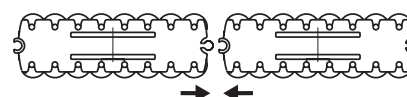


- Fixing with metal profile Part. 537.



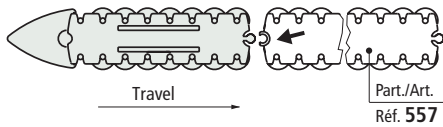
### Modular system Part. 580-557

The guide consists of modules with snap-on assembly.

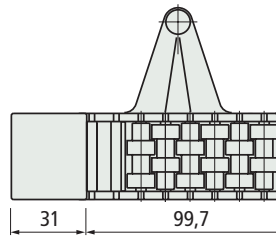


## • Assembly of Part. 570

Guide position (Part. 557) to allow assembly with divider module.



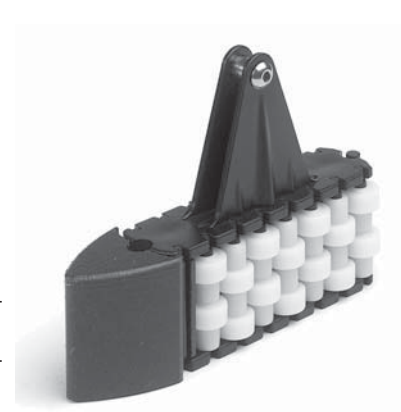
## ■ Divider module



| Part. | Version        | Code     | Weight<br>kg |
|-------|----------------|----------|--------------|
| 570   | For 30x6 plate | 601142 N | 0,15         |
|       | For 40x8 plate | 601162 N |              |

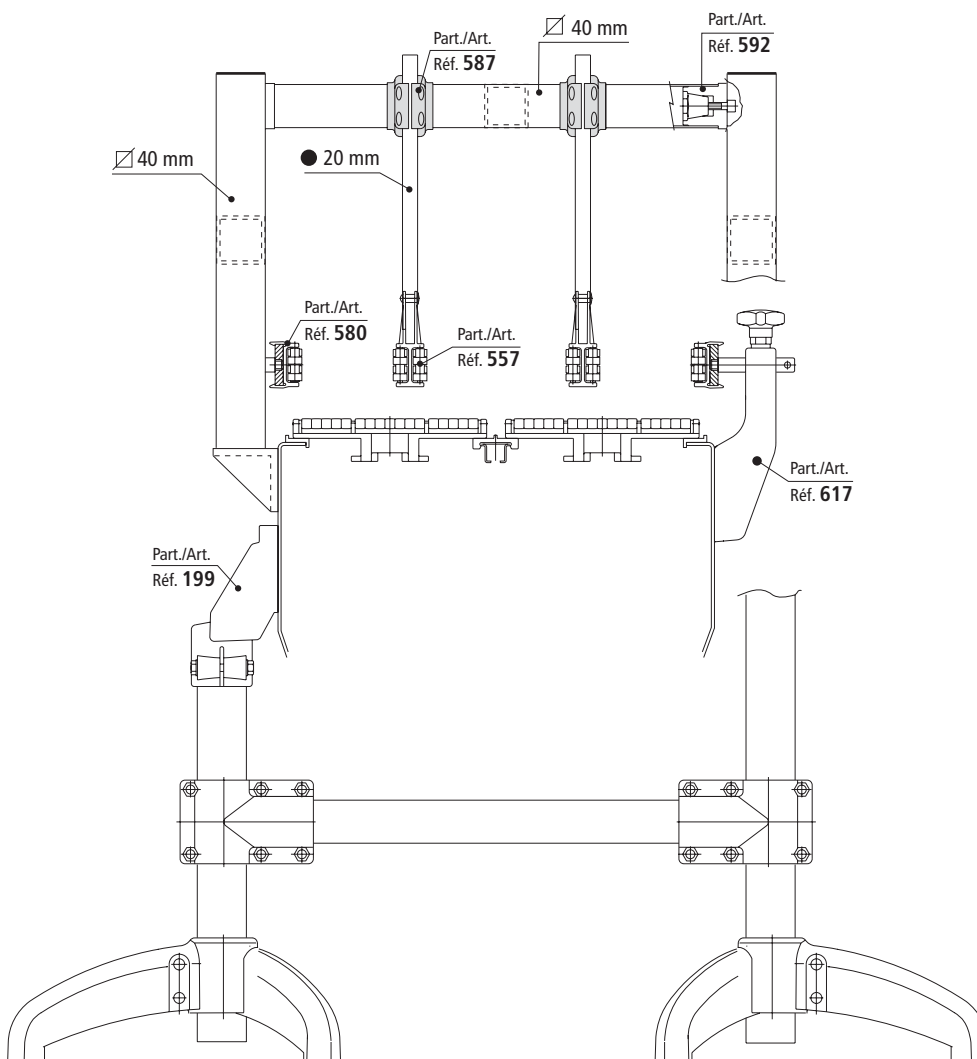
- Material : frame in acetal POM (black). Rollers in polyamide PA (white). Separation block in polyethylene PE (black).
- Packaging : 2 pieces.

## Part. 570



## • Use of Part. 580-557

For medium strength containers (tin cans, glass strong aluminium cans).

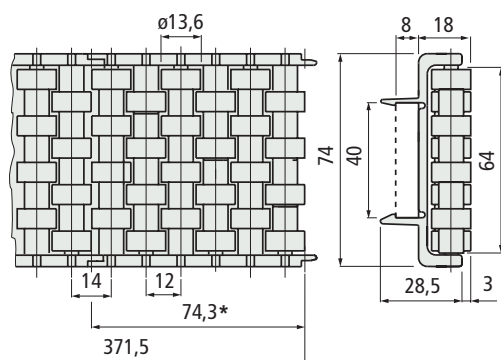


## Part. 580



Sideflexing

### Roller side guide



\* = module length

PATENT PENDING

| Part. | Version        | Code   | Weight<br>kg/m |
|-------|----------------|--------|----------------|
| 580   | For 40x8 plate | 603292 | 0,99           |

- Material : frame in acetal POM (black). Rollers in polyamide PA (white).
- Standard packaging : strands of 0,371 metres (N 5 modules).
- Packaging : 4,5 metres (N 12 strands).
- Accessories :


Part. 537 - Metal  
profile 40x8  
see page S89.

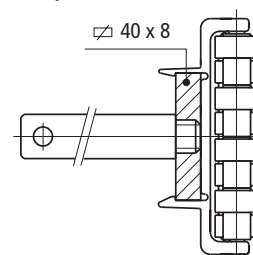
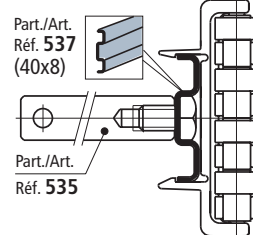
#### Use of Part. 580-557

For medium strength containers (tin cans, glass, strong aluminium cans).

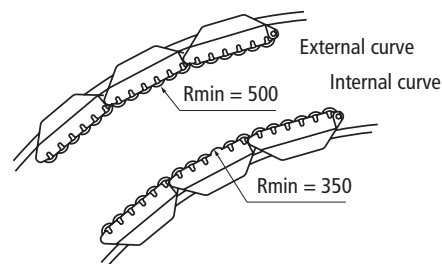
#### Fixing of Part. 580

Snap-on assembly / disassembly

- Fixing with plate.


- Fixing with metal  
profile Part. 537.


#### Min. curvature radius Part. 580

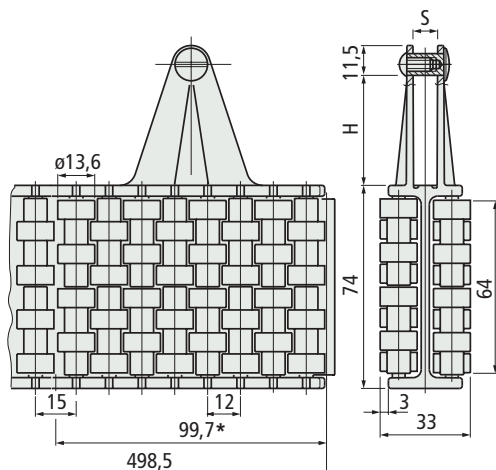


## Part. 557



Sideflexing

### Centre roller guide



\* = module length

PATENT PENDING

| Part. | Version        | H<br>mm | S<br>mm | Code   | Weight<br>kg/m |
|-------|----------------|---------|---------|--------|----------------|
| 557   | For 30x6 plate | 30      | 6       | 603472 |                |
|       | For 40x8 plate | 40      | 8       | 603482 | 1,96           |

- Can be used in combination with Part. 581.
- Material : frame in acetal POM (black). Rollers in polyamide PA (white).
- Min. curvature radius : 335 mm.
- Standard packaging : strands of 0,498 metres (N 5 modules).
- Packaging : 4,5 metres (N 9 strands).
- Accessories :

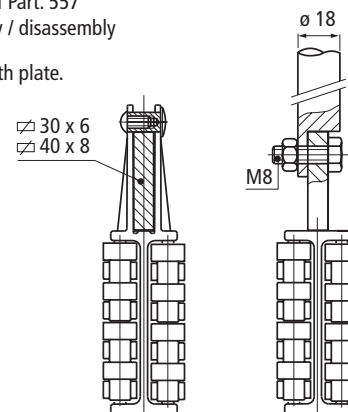
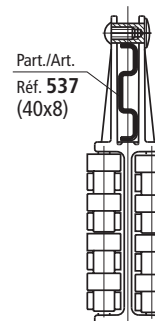

Part. 730 -  
Divider module  
see page S87.

Part. 537 - Metal  
profile 40x8  
see page S89.

#### Fixing of Part. 557

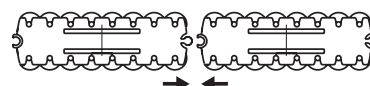
Assembly / disassembly

- Fixing with plate.


- Fixing with metal  
profile Part. 537.


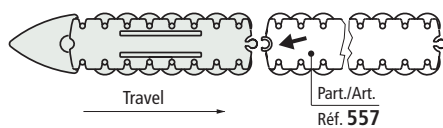
#### Modular system Part. 580-557

The guide consists of modules with snap-on assembly.

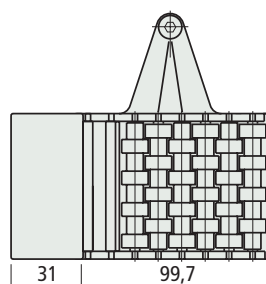




- **Assembly of Part. 570**  
Guide position (Part.557) to allow assembly with divider module.



## ■ Divider module



| Part. | Version        | Code   | Weight<br>kg |
|-------|----------------|--------|--------------|
| 570   | For 30x6 plate | 603532 | 0,24         |
|       | For 40x8 plate | 603542 |              |

- Material : frame in acetal POM (black). Rollers in polyamide PA (white). Separation block in polyethylene PE (black).
- Packaging : 2 pieces.

## Part. 570

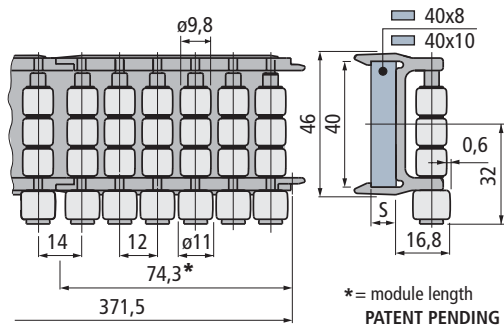


## Part. 733



**New  
Product**

■ **Roller side guide**



| Part. | Version         | S<br>mm | Code   | Weight<br>kg/m |
|-------|-----------------|---------|--------|----------------|
| 723   | For 40x8 plate  | 8       | 693512 | 0,61           |
|       | For 40x10 plate | 10      | 693522 |                |

- Material : frame in acetal POM (black). Rollers in *Rex-Hp™* (grey).
- Standard packaging : strands of 0,371 metres (N 5 modules).
- Packaging : 4,5 metres (N 12 strands).
- Accessories :



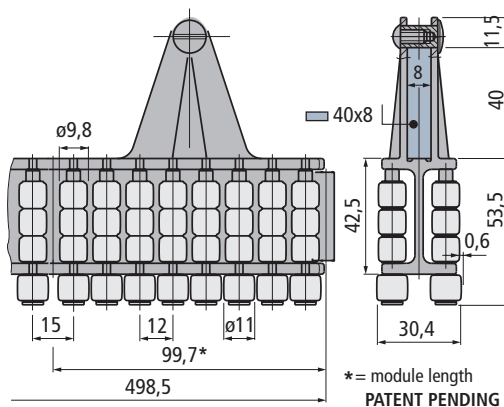
Part. 537 - Metal  
profile 40x8  
see page S89.

## Part. 721



*New  
Product*

■ Centre roller guide



| Part. | Version        | Code   | Weight<br>kg/m |
|-------|----------------|--------|----------------|
| 721   | For 40x8 plate | 688602 | 1,24           |

- Material : frame in acetal POM (black). Rollers in *Rex-Hp™* (grey).
- Min. curvature radius : 335 mm.
- Standard packaging : strands of 0,498 metres (N 5 modules).
- Packaging : 4,5 metres (N 9 strands).
- Accessories :



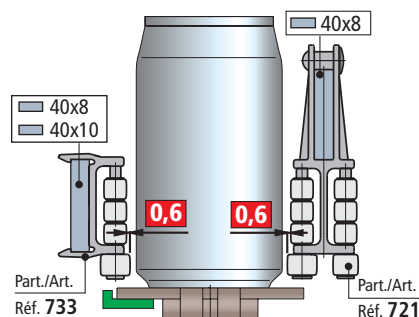
Part. 730-  
Divider module  
see page S87.



Part. 537 - Metal  
profile 40x8  
see page S89.

- **Use of Part. 733-721**

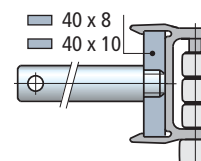
Ideal for thin walled cans and delicate containers.  
The contact between can and rollers takes place  
near the can bottom where it is stronger.



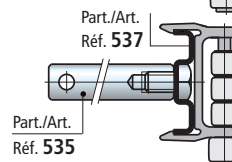
- **Fixing** of Part. 733

### Fixing of Part. 733

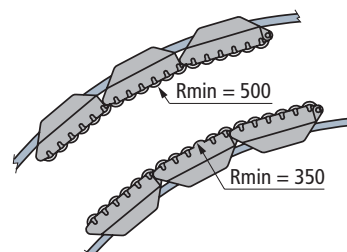
- Fixing with plate.



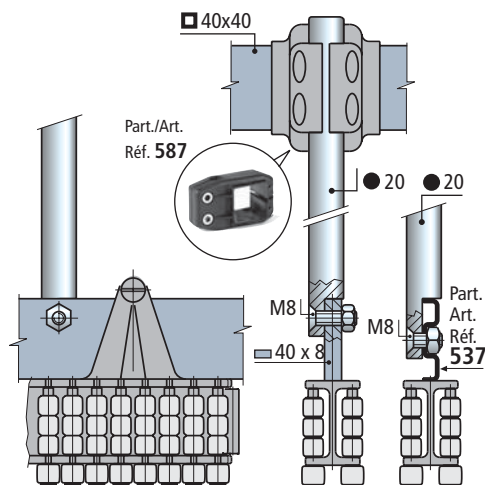
- Fixing with metal profile Part. 537.



- **Min. curvature radius** Part. 733

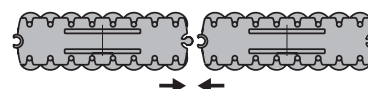


- **Fixing** of Part. 721



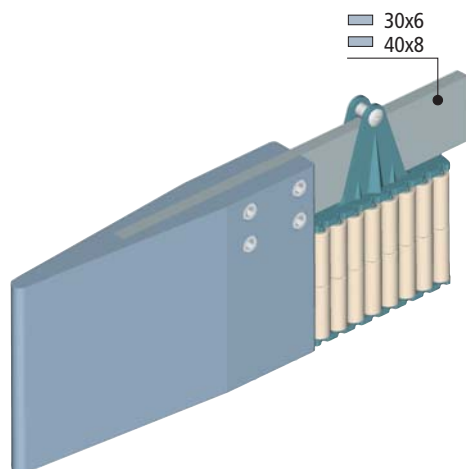
- **Modular system** Part. 733-721

The guide consists of modules with snap-on assembly.



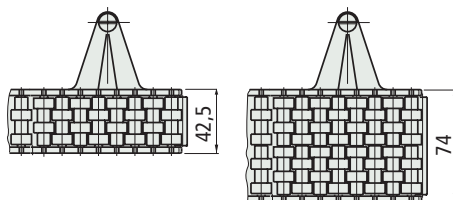
## • Use of Part. 730

Applicable to centre guides Part. 557-585-724-605-721.

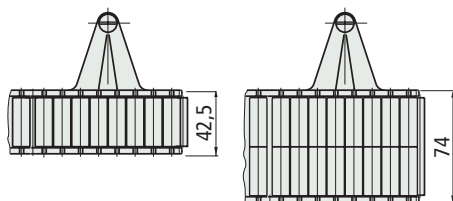


## • Types of guides that can be used

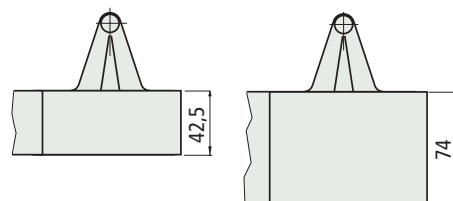
Part. 557



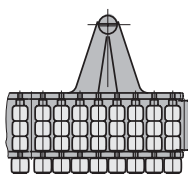
Part. 585-724



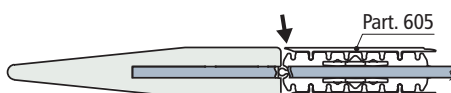
Part. 605



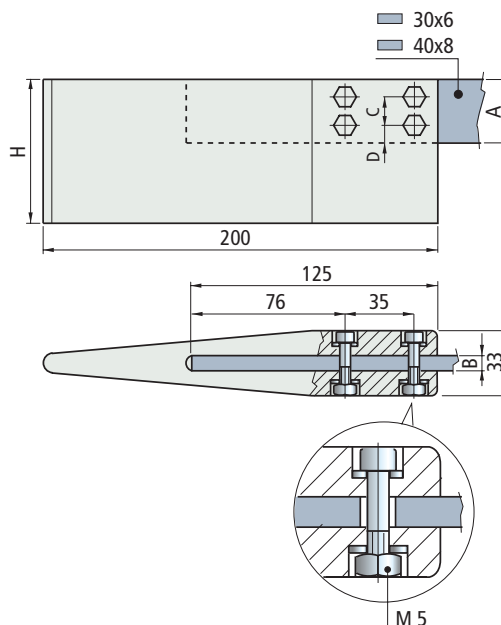
Part. 721



Guide position (Part. 605) to allow assembly with separation block.



## ■ Divider module



| Part.                                                      | Plate dimensions<br>AxB<br>mm | Code   | H<br>mm | C<br>mm | D<br>mm | Weight<br>Kg |
|------------------------------------------------------------|-------------------------------|--------|---------|---------|---------|--------------|
| <b>For Part. 557-585-724-605-721 (with height 42,5 mm)</b> |                               |        |         |         |         |              |
| 730                                                        | 30x6                          | 689882 | 72,5    | 15      | 7,5     | 0,4          |
|                                                            | 40x8                          | 689902 | 82,5    | 20      | 10,5    | 0,5          |
| <b>For Part. 557-585-724-605 (with height 74 mm)</b>       |                               |        |         |         |         |              |
| 730                                                        | 30x6                          | 689892 | 104     | 15      | 7,5     | 0,6          |
|                                                            | 40x8                          | 689912 | 114     | 20      | 10,5    | 0,7          |

- Material : separation block in Polyethylene PE (black).
- Stainless steel AISI 304 tightening screw and self-locking nut.
- Packaging : 2 pieces.

## Part. 730



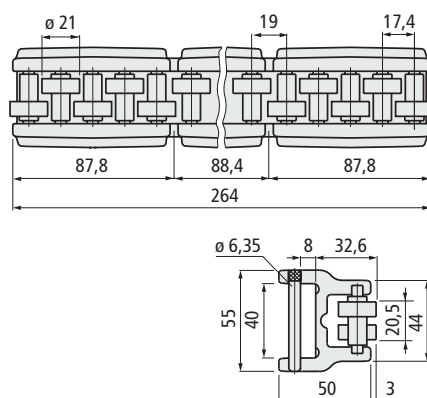
*New  
Product*

# Part. 628 S



Sideflexing

## Roller side guide



PATENT PENDING

| Part. | Version        | Code    | Weight<br>kg/m |
|-------|----------------|---------|----------------|
| 628 S | For 40x8 plate | 671981* | 1,4            |

- Both straight and curved sections.
- Material : frame in polyamide PA (black). Rollers in acetal POM (white). Roller pins in stainless steel AISI 430 F. Fixing pins in stainless steel AISI 303.
- Standard packaging : strands of 0,264 metres.
- Packaging : 6,336 metres (N 24 strands).
- Accessories :



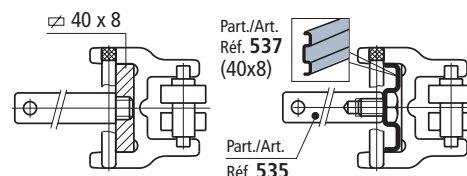
Part. 537 - Metal profile 40x8 see page S89.

- Use of Part. 628 S  
Rugged containers (ex cases, cartons).

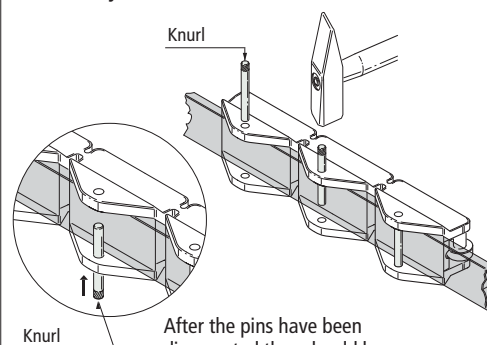
- Fixing of Part. 628 S  
Assembly / disassembly

- Fixing with plate.

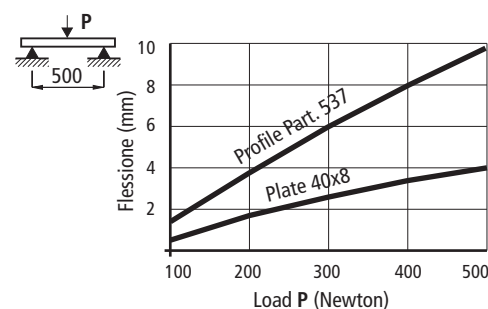
- Fixing with metal profile Part. 537.



- Assembly of Part. 628 S

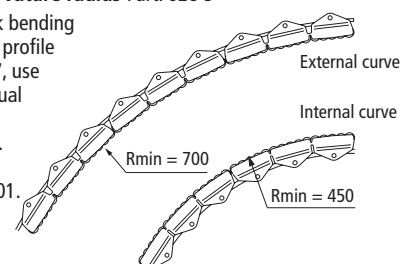


- Deflection of Part. 628 S



- Min. curvature radius Part. 628 S

For quick bending of metal profile Part. 537, use the manual bending machine. See page S101.

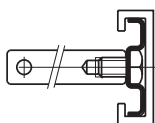


\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

## • Types of guides

using our 40x8 metal profile.

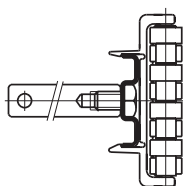
Part. 539



Part. 605



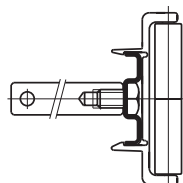
Part. 580



Part. 557



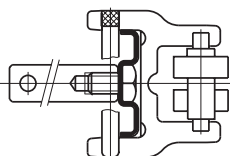
Part. 581-722



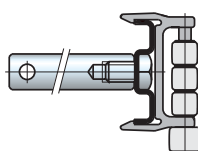
Part. 585-724 - 597



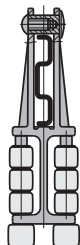
Part. 628 S



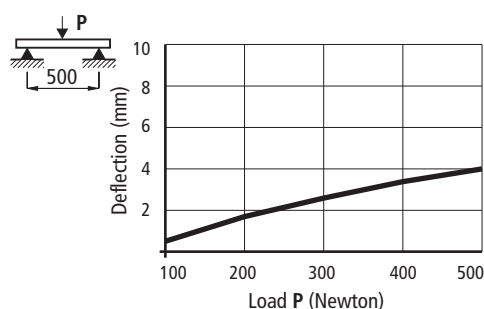
Part. 733



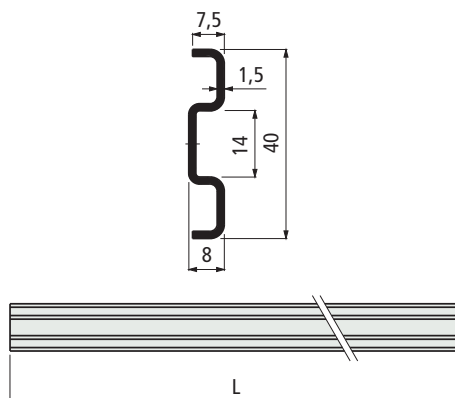
Part. 721



## • Deflection of Part. 537



## ■ Metal profile 40x8



| Part. | Material                 | Length<br>L<br>mm | Code   |
|-------|--------------------------|-------------------|--------|
| 537   | Stainless steel AISI 304 | 3209              | 689231 |
|       |                          | 6425              | 689241 |

- Min. curvature radius : 500 mm.
- Weight : 0,72 Kg/m.
- Packaging : 51,3 metres (in 3209 mm length),  
51,4 metres (in 6425 mm length).
- Accessories :

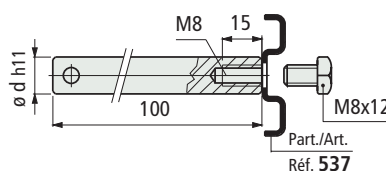


Guide rail bending machine (manual)  
see page S101.

## Part. 537



## ■ Bolts set



| Part. | pin dia.<br>d<br>mm | Code    | Weight<br>kg |
|-------|---------------------|---------|--------------|
| 535   | 12                  | 684641  | 0,12         |
|       | 14                  | 684651* |              |

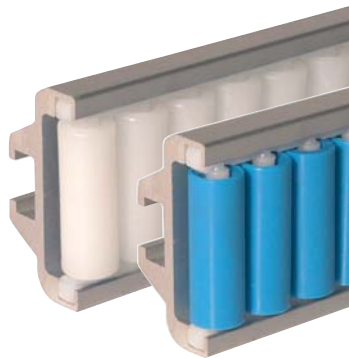
- Material : stainless steel AISI 303.
- State of supply : complete with screw M8 x 12.
- Packaging : 24 pieces.

## Part. 535



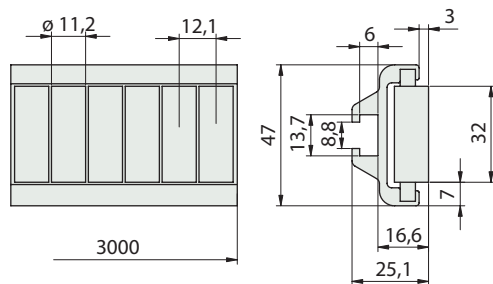
\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

## Part. 757



### New Product

#### Roller side guides

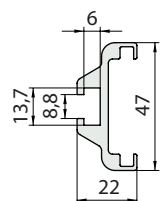


| Part. | Rollers material              | Code   | Weight kg/m |
|-------|-------------------------------|--------|-------------|
| 757   | Polyurethan (blue) 85 Shore A | 607763 | 1,25        |
|       | Polyethylene PE (white)       | 607773 | 1,20        |

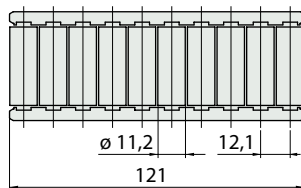
- Material metal profile : anodized aluminium
- Min. curvature radius : 250 mm.
- Standard packaging : strands 3 metres.
- Packaging : n 2 strands.

The roller side guides can be supplied with separated components.

#### Metal profile



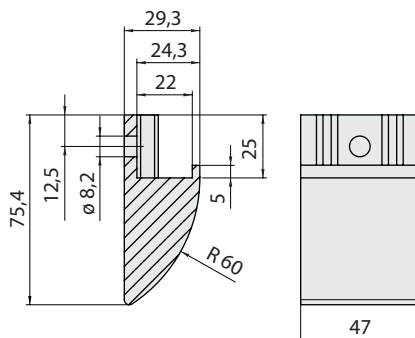
#### Roller module



| Length mm | Code   | Roller material         | Code   |
|-----------|--------|-------------------------|--------|
| 3000      | 607933 | Polyurethan (blue)      | 689982 |
| 6000      | 607943 | Polyethylene PE (white) | 689972 |

- Material : aluminium anodized.
- Weight : 0,85 Kg/m.
- Packaging : n1 strand.

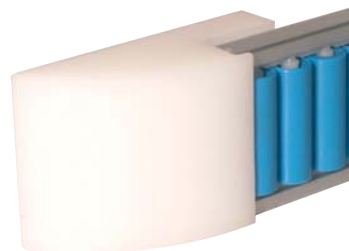
#### Separation block



| Part. | Code   | Weight kg |
|-------|--------|-----------|
| 760   | 608103 | 0,058     |

- Material : Polyethylene PE (white).
- Packaging : 2 pieces.

## Part. 760



### New Product

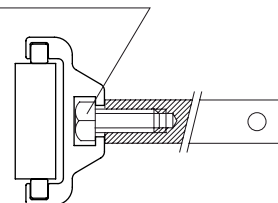
#### Characteristics Part. 757

- Self supporting structure.
- Anodized aluminium profile.
- Quick and easy installation by standard bolts.
- Can be used straight running and sideflexing.
- Low friction rollers.
- Suitable for delicate containers and packages.
- Low noise PU rollers for thin wall - delicate containers.

#### Assembly Part. 757

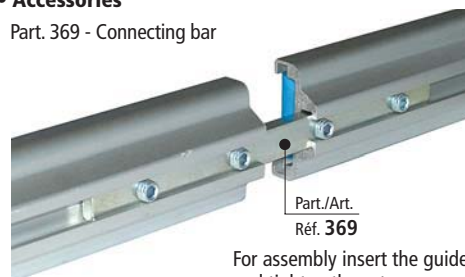
- For the correct moduls assembly see page S210 - S211.

M8 hex head bolt



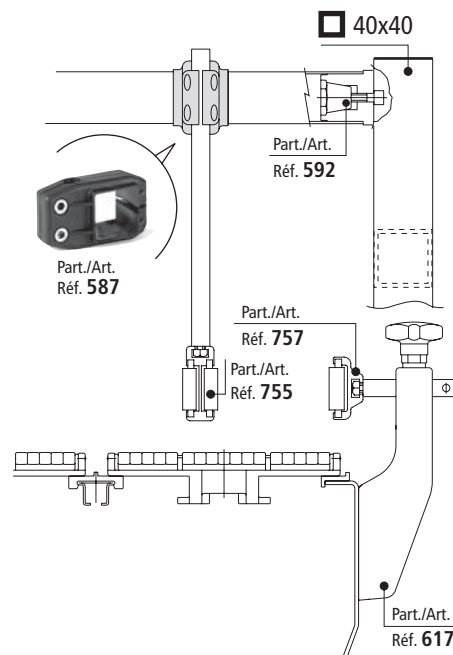
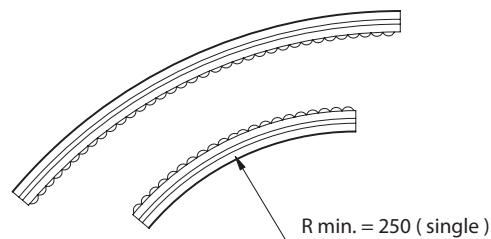
#### Accessories

Part. 369 - Connecting bar



For assembly insert the guides and tighten the set screw.

#### Min. curvature radius Part. 757



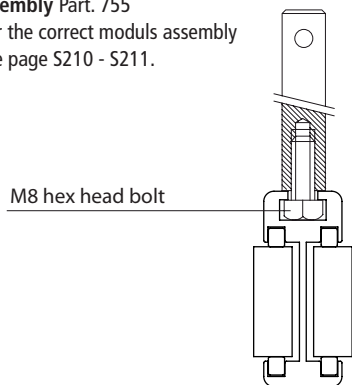


## • Characteristics Part. 755

- Self supporting structure.
- Anodized aluminium profile.
- Quick and easy installation by standard bolts.
- Can be used straight running and sideflexing.
- Low friction rollers.
- Suitable for delicate containers and packages.
- Low noise PU rollers for thin wall - delicate containers.

## • Assembly Part. 755

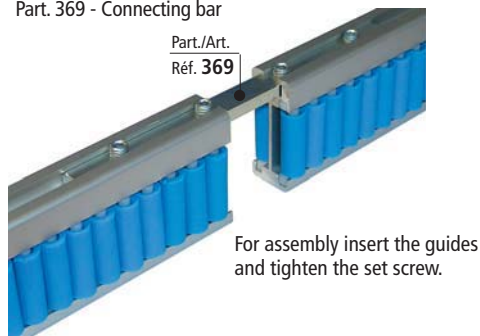
- For the correct moduls assembly see page S210 - S211.



M8 hex head bolt

## • Accessories

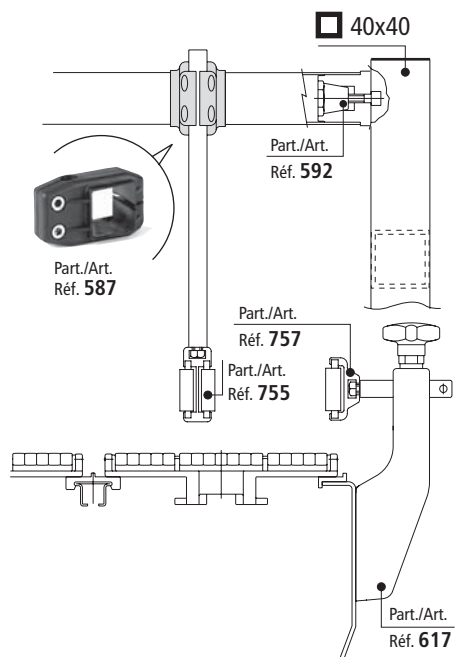
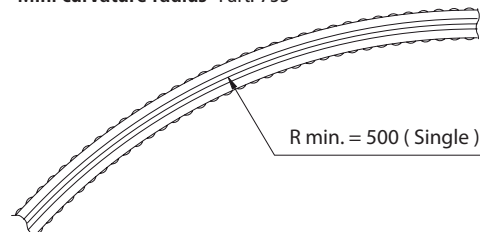
Part. 369 - Connecting bar



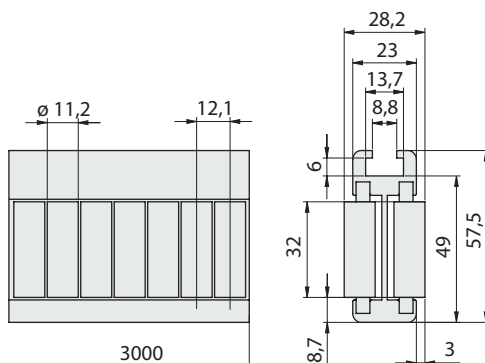
Part./Art.  
Réf. 369

For assembly insert the guides and tighten the set screw.

## • Min. curvature radius Part. 755



## ■ Roller centre guides

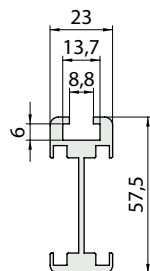


| Part. | Rollers material              | Code   | Weight kg/m |
|-------|-------------------------------|--------|-------------|
| 755   | Polyurethan (blue) 85 Shore A | 607683 | 1,85        |
|       | Polyethylene PE (white)       | 607693 | 1,75        |

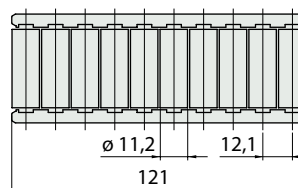
- Material metal profile : anodized aluminium
- Min. curvature radius : 500 mm.
- Standard packaging : strands 3 metres.
- Packaging : n 2 strands.

The roller side guides can be supplied with separated components.

### Metal profile



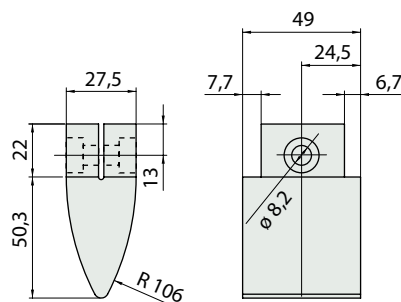
### Roller module



| Length mm | Code   | Roller material         | Code   |
|-----------|--------|-------------------------|--------|
| 3000      | 607893 | Polyurethan (blue)      | 689982 |
| 6000      | 607903 | Polyethylene PE (white) | 689972 |

- Material : aluminium anodized.
- Weight : 1,08 Kg/m.
- Packaging : n1 strand.

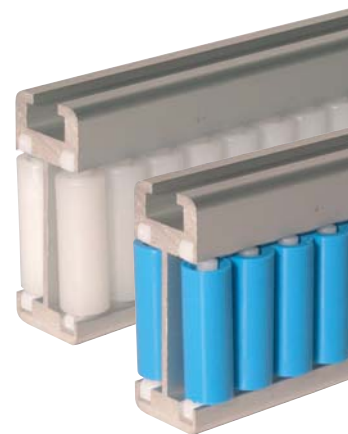
## ■ Separation block



| Part. | Code   | Weight kg |
|-------|--------|-----------|
| 759   | 608083 | 0,063     |

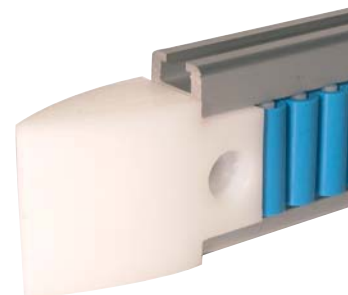
- Material : Polyethylene PE (white).
- Packaging : 2 pieces.

## Part. 755



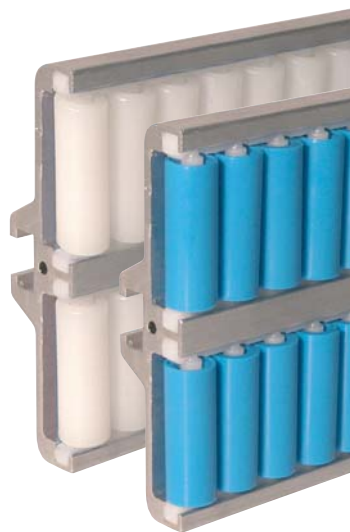
New Product

## Part. 759



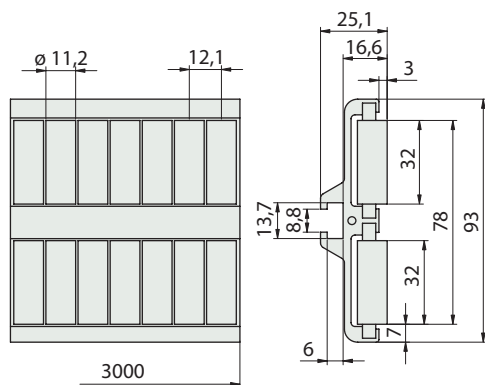
New Product

# Part. 757



New  
Product

## Roller side guides

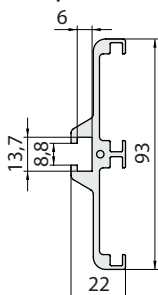


| Part. | Rollers material              | Code   | Weight kg/m |
|-------|-------------------------------|--------|-------------|
| 757   | Polyurethan (blue) 85 Shore A | 607783 | 2,15        |
|       | Polyethylene PE (white)       | 607793 | 2,00        |

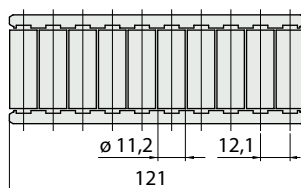
- Material metal profile : anodized aluminium
- Min. curvature radius : 500 mm.
- Standard packaging : strands 3 metres.
- Packaging : n 2 strands.

The roller side guides can be supplied with separated components.

### Metal profile



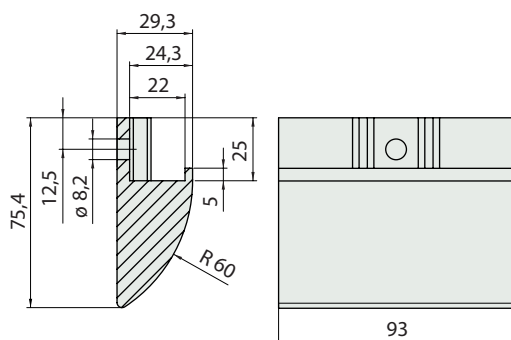
### Roller module



| Length mm | Code   | Roller material         | Code   |
|-----------|--------|-------------------------|--------|
| 3000      | 607953 | Polyurethan (blue)      | 689982 |
| 6000      | 607963 | Polyethylene PE (white) | 689972 |

- Material : aluminium anodized.
- Weight : 0,85 Kg/m.
- Packaging : n1 strand.

## Separation block



| Part. | Code   | Weight kg |
|-------|--------|-----------|
| 760   | 608113 | 0,120     |

- Material : Polyethylene PE (white).
- Packaging : 2 pieces.

# Part. 760



New  
Product

S92

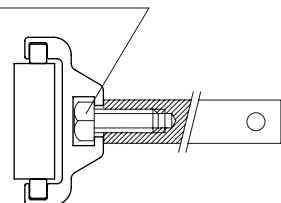
## Characteristics Part. 757

- Self supporting structure.
- Anodized aluminium profile.
- Quick and easy installation by standard bolts.
- Can be used straight running and sideflexing.
- Low friction rollers.
- Suitable for delicate containers and packages.
- Low noise PU rollers for thin wall - delicate containers.

## Assembly Part. 757

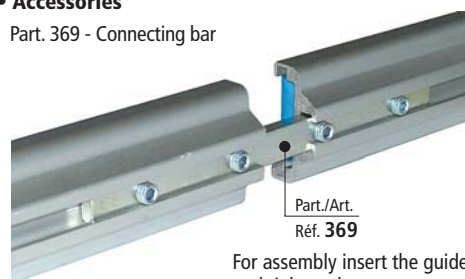
- For the correct moduls assembly see page S210 - S211.

M8 hex head bolt



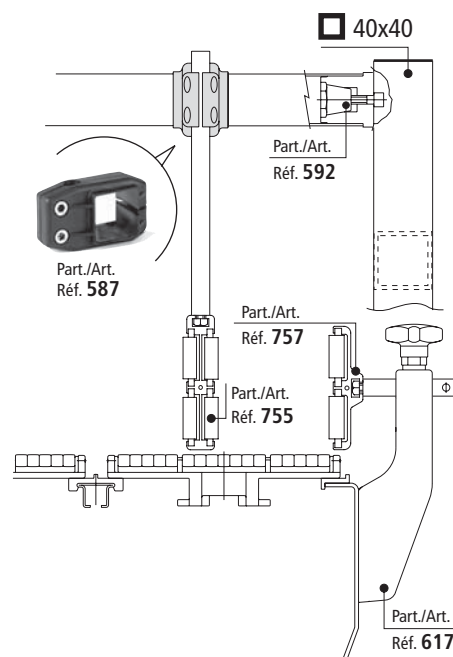
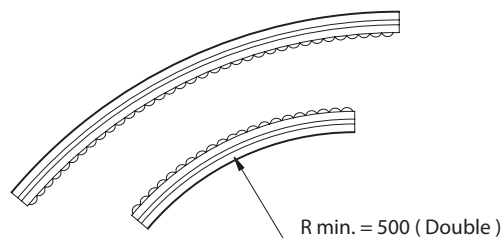
## Accessories

Part. 369 - Connecting bar



For assembly insert the guides and tighten the set screw.

## Min. curvature radius Part. 757

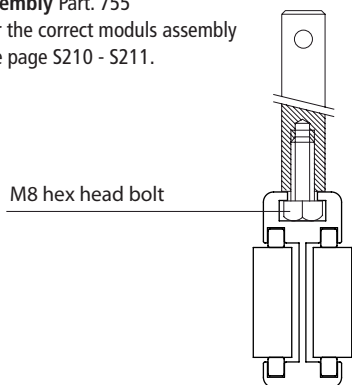


## • Characteristics Part. 755

- Self supporting structure.
- Anodized aluminium profile.
- Quick and easy installation by standard bolts.
- Can be used straight running and sideflexing.
- Low friction rollers.
- Suitable for delicate containers and packages.
- Low noise PU rollers for thin wall - delicate containers.

## • Assembly Part. 755

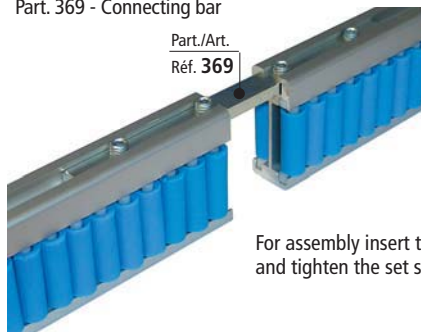
- For the correct moduls assembly see page S210 - S211.



M8 hex head bolt

## • Accessories

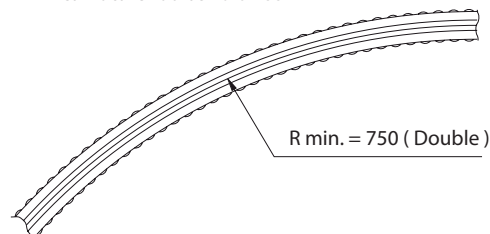
Part. 369 - Connecting bar



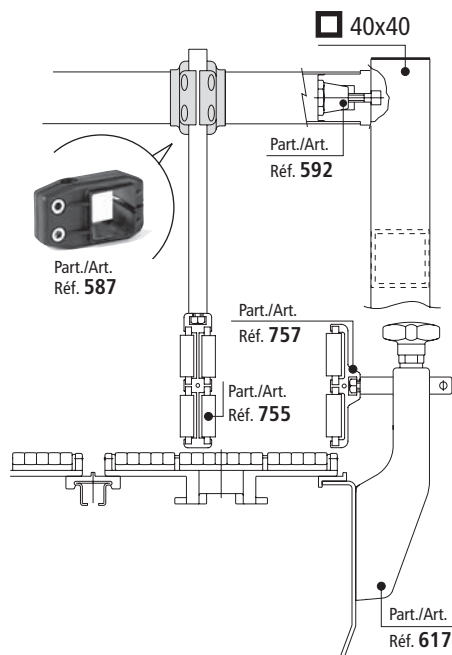
Part./Art.  
Réf. 369

For assembly insert the guides and tighten the set screw.

## • Min. curvature radius Part. 755



R min. = 750 ( Double )



40x40

Part./Art.  
Réf. 592

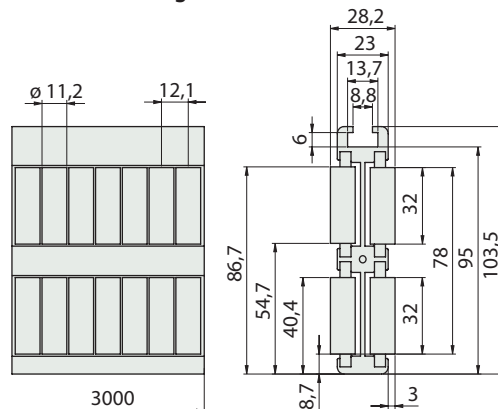
Part./Art.  
Réf. 587

Part./Art.  
Réf. 757

Part./Art.  
Réf. 755

Part./Art.  
Réf. 617

## ■ Roller centre guides

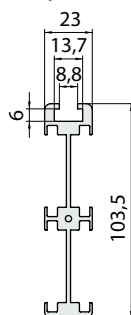


| Part. | Rollers material              | Code   | Weight kg/m |
|-------|-------------------------------|--------|-------------|
| 755   | Polyurethan (blue) 85 Shore A | 607703 | 3,22        |
|       | Polyethylene PE (white)       | 607713 | 3,00        |

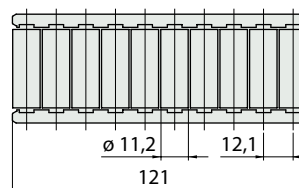
- Material metal profile : anodized aluminium
- Min. curvature radius : 750 mm.
- Standard packaging : strands 3 metres.
- Packaging : n 2 strands.

The roller side guides can be supplied with separated components.

## Metal profile



## Roller module

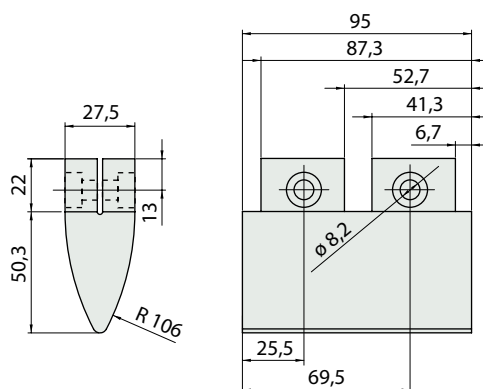


| Length mm | Code   |
|-----------|--------|
| 3000      | 607913 |
| 6000      | 607923 |

| Roller material         | Code   |
|-------------------------|--------|
| Polyurethan (blue)      | 689982 |
| Polyethylene PE (white) | 689972 |

- Material : aluminium anodized.
- Weight : 1,08 Kg/m.
- Packaging : n1 strand.

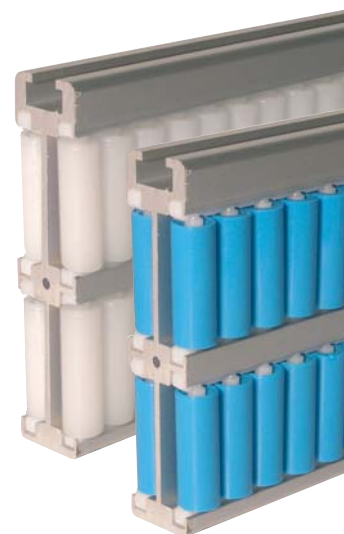
## ■ Separation block



| Part. | Code   | Weight kg |
|-------|--------|-----------|
| 759   | 608093 | 0,124     |

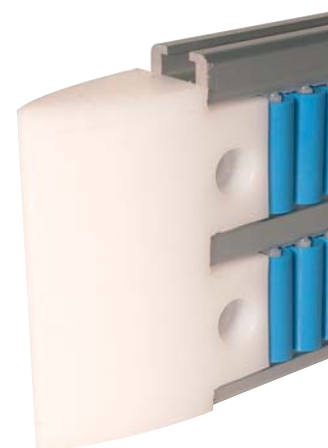
- Material : Polyethylene PE (white).
- Packaging : 2 pieces.

## Part. 755



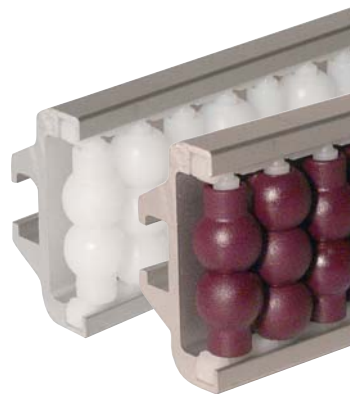
New Product

## Part. 759



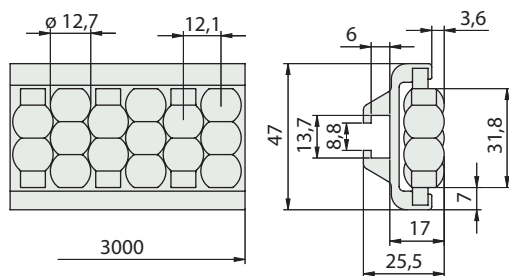
New Product

## Part. 756



New  
Product

### ■ Pearl™ roller side guide

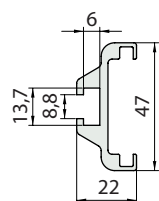


| Part. | Rollers materiale       | Code   | Weight kg/m |
|-------|-------------------------|--------|-------------|
| 756   | UNL™ (Aubergine)        | 607723 | 1,20        |
|       | PE (Polyethylene white) | 607733 | 1,15        |

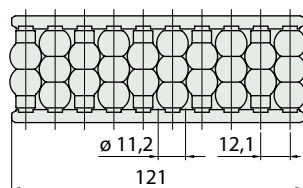
- Material metal profile : anodized aluminium
- Min. curvature radius : 250 mm.
- Standard packaging : strands 3 metres.
- Packaging : n 2 strands.

The roller side guides can be supplied with separated components.

#### Metal profile



#### Pearls™ module



| Length mm | Code   | Rollers material        | Code   |
|-----------|--------|-------------------------|--------|
| 3000      | 607933 | UNL™ (Aubergine)        | 607853 |
| 6000      | 607943 | PE (Polyethylene white) | 607863 |

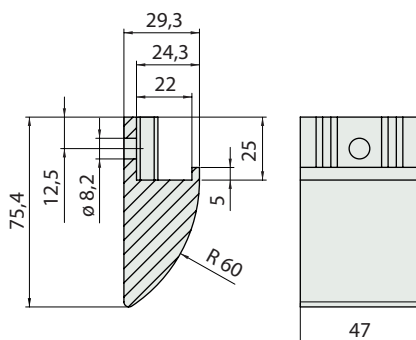
- Material : aluminium anodized.
- Weight : 0,85 Kg/m.
- Packaging : n1 strand.

## Part. 760



New  
Product

### ■ Separation block



| Part. | Code   | Weight kg |
|-------|--------|-----------|
| 760   | 608103 | 0,058     |

- Material : Polyethylene PE (white).
- Packaging : 2 pieces.

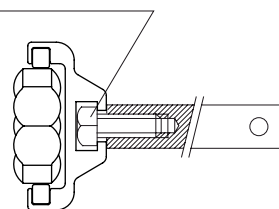
#### • Characteristics Part. 756

- Self supporting structure.
- Anodized aluminium profile.
- Quick and easy installation by standard bolts.
- UNL™ low noise material.
- Can be used straight running and sideflexing.
- Low friction rollers.
- Suitable for delicate containers and packages.

#### • Assembly Part. 756

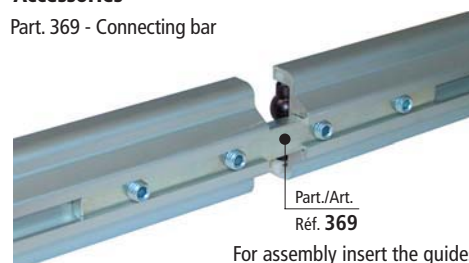
- For the correct modules assembly see page S210 - S211.

M8 hex head bolt



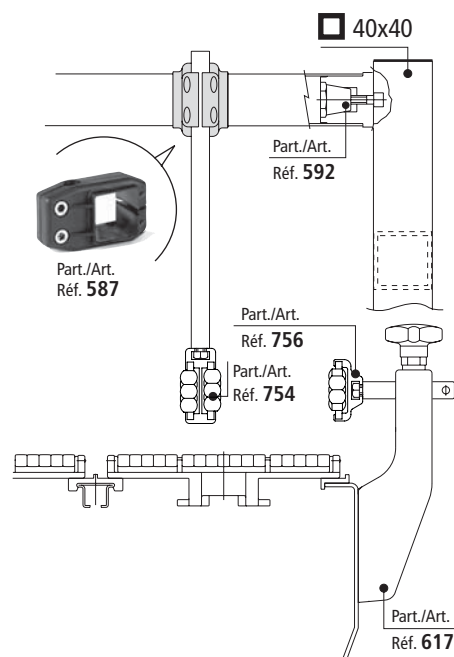
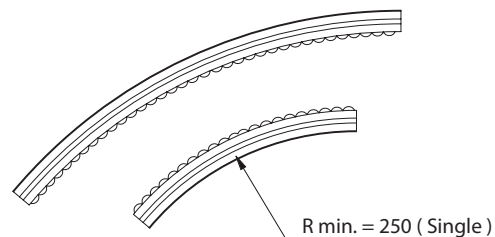
#### • Accessories

Part. 369 - Connecting bar



For assembly insert the guides and tighten the set screw.

#### • Min. curvature radius Part. 756

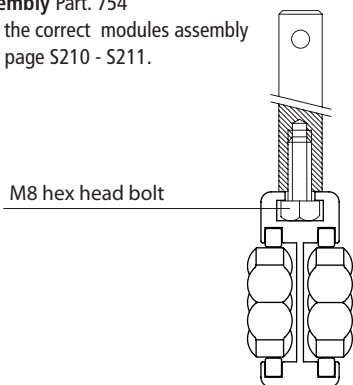


## • Characteristics Part. 757

- Self supporting structure.
- Anodized aluminium profile.
- Quick and easy installation by standard bolts.
- UNL™ low noise material.
- Can be used straight running and sideflexing.
- Low friction rollers.
- Suitable for delicate containers and packages.

## • Assembly Part. 754

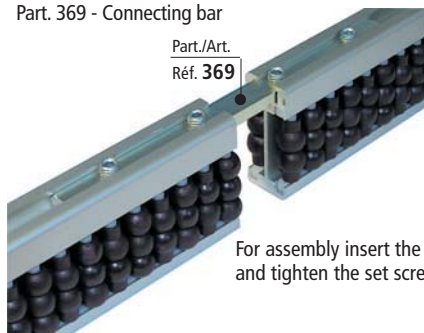
- For the correct modules assembly see page S210 - S211.



M8 hex head bolt

## • Accessories

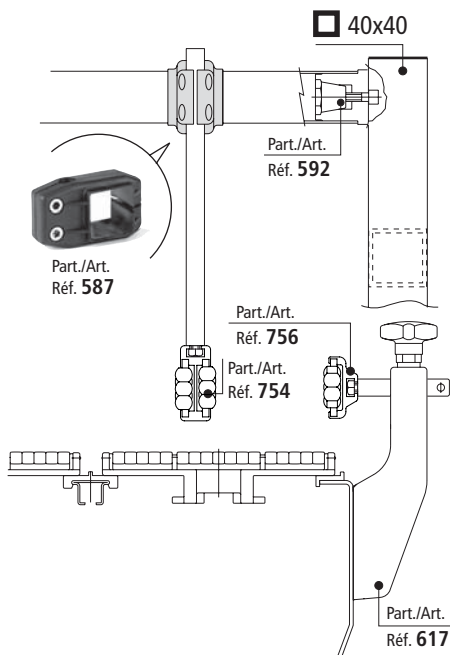
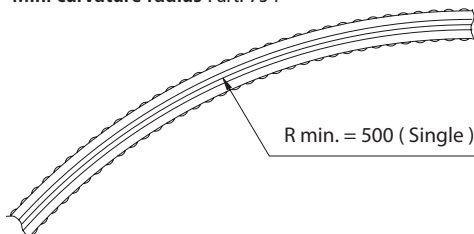
Part. 369 - Connecting bar



Part./Art.  
Réf. 369

For assembly insert the guides and tighten the set screw.

## • Min. curvature radius Part. 754



40x40

Part./Art.  
Réf. 592

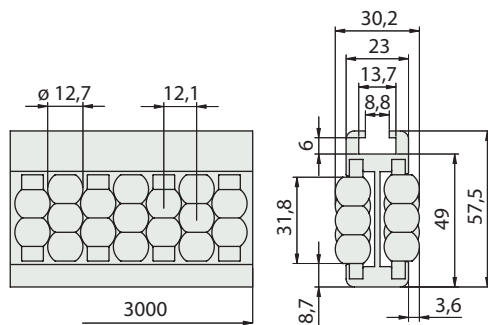
Part./Art.  
Réf. 587

Part./Art.  
Réf. 756

Part./Art.  
Réf. 754

Part./Art.  
Réf. 617

## ■ Pearls™ roller centre guide

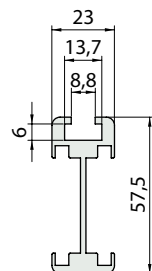


| Part. | Rollers material        | Code   | Weight kg/m |
|-------|-------------------------|--------|-------------|
| 754   | UNL™ (Aubergine)        | 607643 | 1,80        |
|       | PE (Polyethylene white) | 607653 | 1,70        |

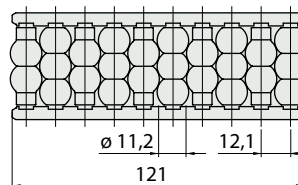
- Material metal profile : anodized aluminium
- Min. curvature radius : 500 mm.
- Standard packaging : strands 3 metres.
- Packaging : n 2 strands.

The roller side guides can be supplied with separated components.

### Metal profile



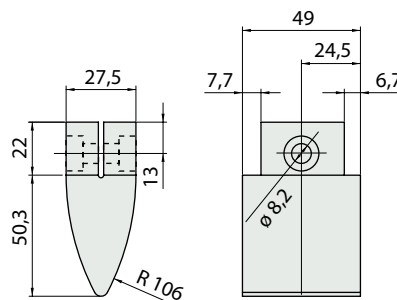
### Pearls™ module



| Length mm | Code   | Rollers material        | Code   |
|-----------|--------|-------------------------|--------|
| 3000      | 607893 | UNL™ (Aubergine)        | 607853 |
| 6000      | 607903 | PE (Polyethylene white) | 607863 |

- Material : aluminium anodized.
- Weight : 1,08 Kg/m.
- Packaging : n1 strand.

## ■ Separation block



| Part. | Code   | Weight kg |
|-------|--------|-----------|
| 759   | 608083 | 0,063     |

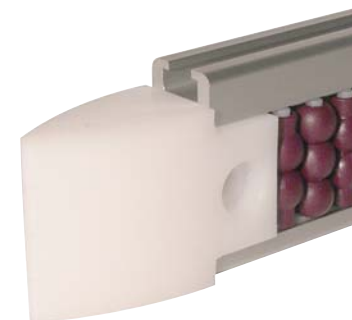
- Material : Polyethylene PE (white).
- Packaging : 2 pieces.

## Part. 754



New Product

## Part. 759



New Product

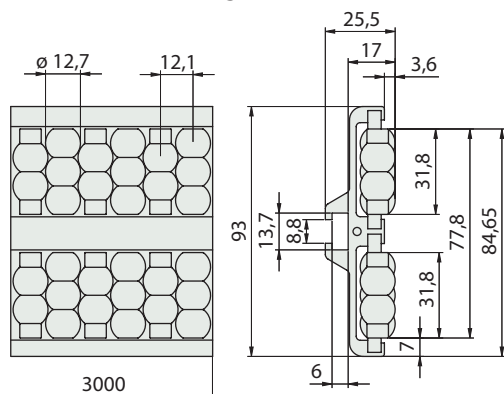


# Part. 756



New  
Product

## Pearl™ roller side guide

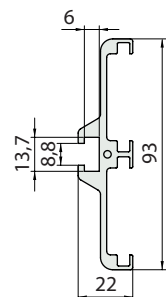


| Part. | Rollers material        | Code   | Weight kg/m |
|-------|-------------------------|--------|-------------|
| 756   | UNL™ (Aubergine)        | 607743 | 2,06        |
|       | PE (Polyethylene white) | 607753 | 1,95        |

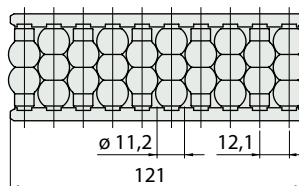
- Material metal profile : anodized aluminium
- Min. curvature radius : 500 mm.
- Standard packaging : strands 3 metres.
- Packaging : n 2 strands.

The roller side guides can be supplied with separated components.

### Metal profile



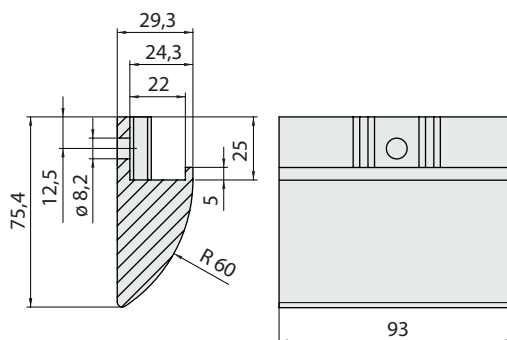
### Pearls™ module



| Length mm | Code   | Rollers material        | Code   |
|-----------|--------|-------------------------|--------|
| 3000      | 607953 | UNL™ (Aubergine)        | 607853 |
| 6000      | 607963 | PE (Polyethylene white) | 607863 |

- Material : aluminium anodized.
- Weight : 0,85 Kg/m.
- Packaging : n1 strand.

## Separation block



| Part. | Code   | Weight kg |
|-------|--------|-----------|
| 760   | 608113 | 0,120     |

- Material : Polyethylene PE (white).
- Packaging : 2 pieces.

# Part. 760



New  
Product

S96

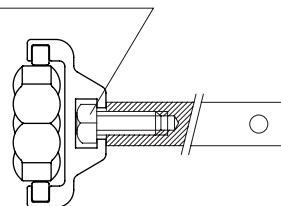
## Characteristics Part. 756

- Self supporting structure.
- Anodized aluminium profile.
- Quick and easy installation by standard bolts.
- UNL™ low noise material.
- Can be used straight running and sideflexing.
- Low friction rollers.
- Suitable for delicate containers and packages.

## Assembly Part. 756

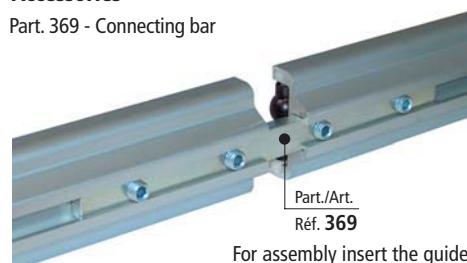
- For the correct modules assembly see page S210 - S211.

M8 hex head bolt



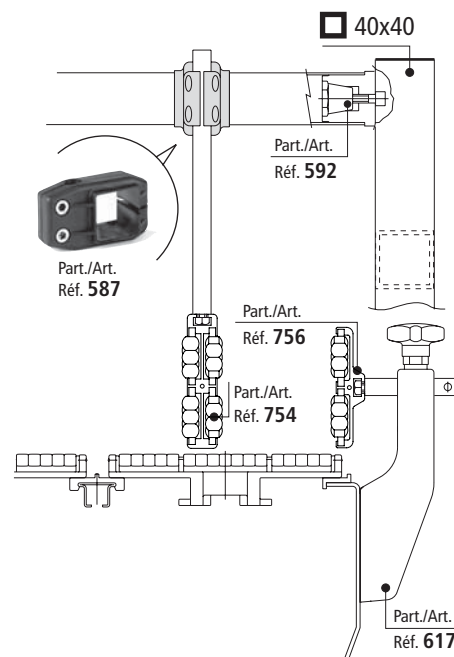
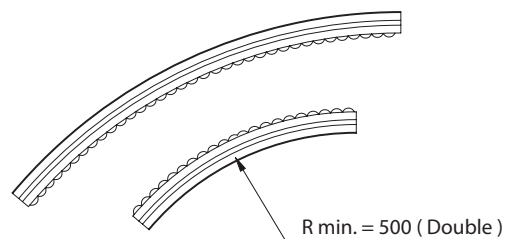
## Accessories

Part. 369 - Connecting bar



For assembly insert the guides and tighten the set screw.

## Min. curvature radius Part. 756



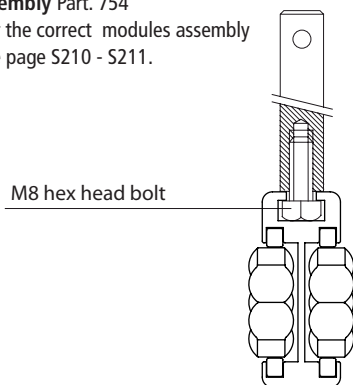


## • Characteristics Part. 757

- Self supporting structure.
- Anodized aluminium profile.
- Quick and easy installation by standard bolts.
- UNL™ low noise material.
- Can be used straight running and sideflexing.
- Low friction rollers.
- Suitable for delicate containers and packages.

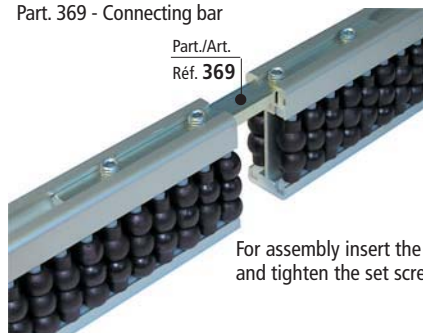
## • Assembly Part. 754

- For the correct modules assembly see page S210 - S211.

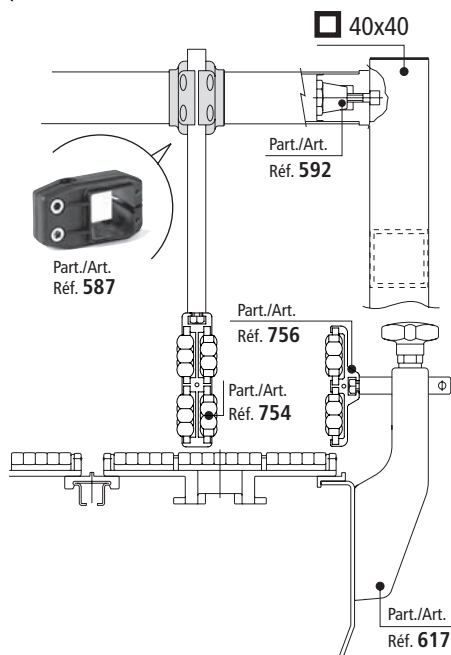
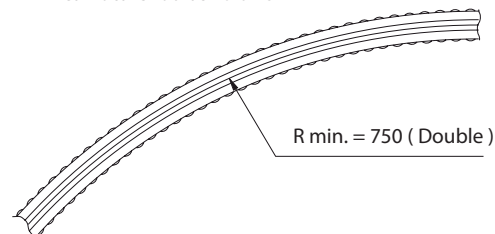


## • Accessories

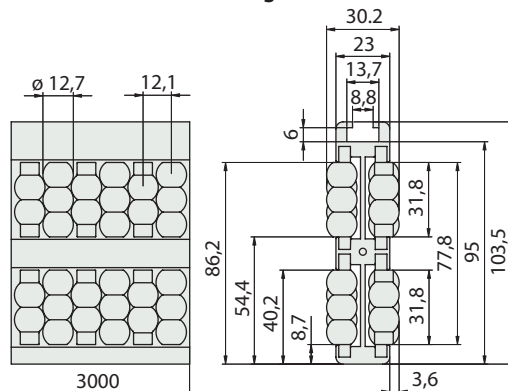
Part. 369 - Connecting bar



## • Min. curvature radius Part. 754



## ■ Pearls™ roller centre guide

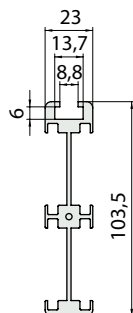


| Part. | Rollers material        | Code   | Weight kg/m |
|-------|-------------------------|--------|-------------|
| 754   | UNL™ (Aubergine)        | 607663 | 3,12        |
|       | PE (Polyethylene white) | 607673 | 2,90        |

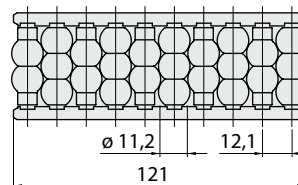
- Material metal profile : anodized aluminium
- Min. curvature radius : 750 mm.
- Standard packaging : strands 3 metres.
- Packaging : n 2 strands.

The roller side guides can be supplied with separated components.

### Metal profile



### Pearls™ module

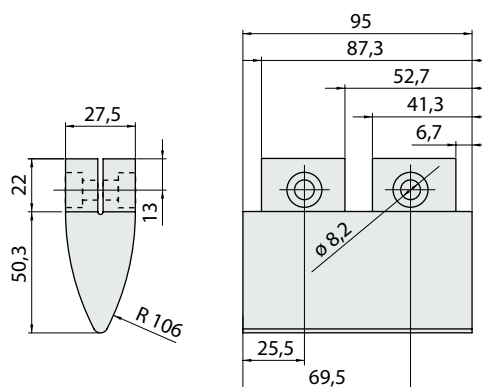


| Length mm | Code   |
|-----------|--------|
| 3000      | 607913 |
| 6000      | 607923 |

| Rollers Material        | Code   |
|-------------------------|--------|
| UNL™ (Aubergine)        | 607853 |
| PE (Polyethylene white) | 607863 |

- Material : aluminium anodized.
- Weight : 1,08 Kg/m.
- Packaging : n1 strand.

## ■ Separation block



| Part. | Code   | Weight kg |
|-------|--------|-----------|
| 759   | 608093 | 0,124     |

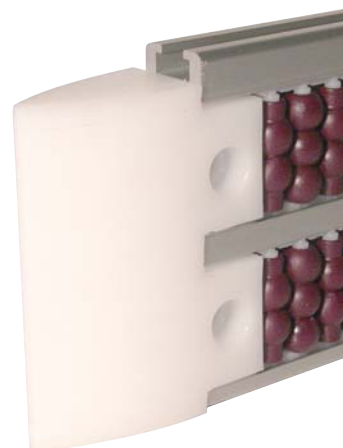
- Material : Polyethylene PE (white).
- Packaging : 2 pieces.

## Part. 754



New Product

## Part. 759



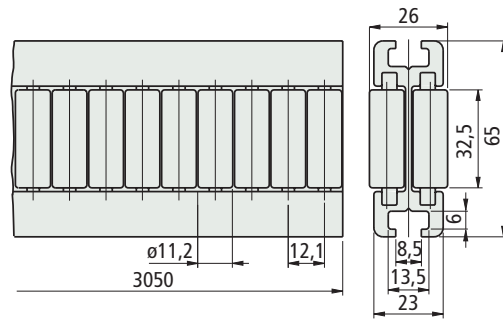
New Product

## Part. 656-731



*New  
Product*

## ■ Centre rollers guide

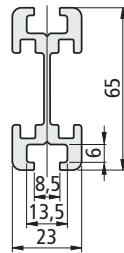


| Part. | Rollers material              | Code   | Weight<br>kg/m |
|-------|-------------------------------|--------|----------------|
| 656   | Polyethylene PE (white)       | 656382 | 1,96           |
| 731   | Polyurethan (blue) 85 Shore A | 689962 |                |

- Use : rollers in polyurethan version suitable for thin walled and delicate containers. Low noise.
- Material metal profile : anodized aluminium
- Min. curvature radius : 500 mm.
- Standard packaging : strands 3,05 metres.
- Packaging : n 2 strands.

The roller side guides can be supplied with separated components.

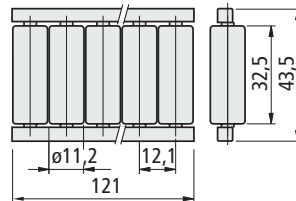
### Metal profile



| Length<br>mm | Code   |
|--------------|--------|
| 3050         | 689832 |
| 6100         | 689992 |

- Material : aluminium anodized.
- Weight : 1,24 Kg/m.

## Rollers module



| Rollers material        | Code   |
|-------------------------|--------|
| Polyethylene PE (white) | 689972 |
| Polyurethan (blue)      | 689982 |

- Packaging : 10 pieces

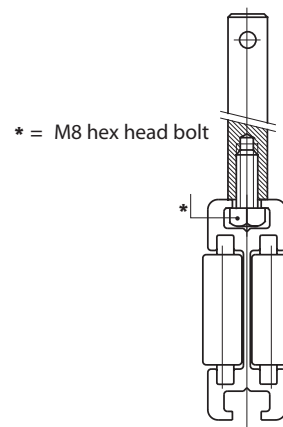
- **Accessories**

Part. 369 - Connecting bar

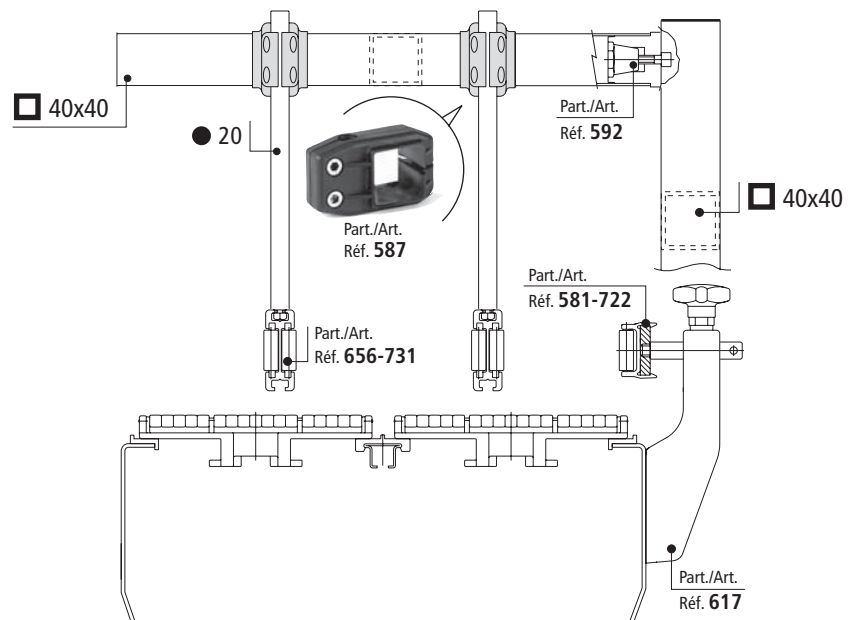


For assembly insert the guides and tighten the set screw.

- **Fixing**



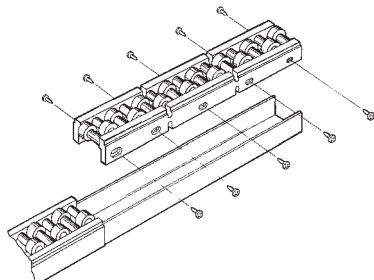
\* = M8 hex head bolt



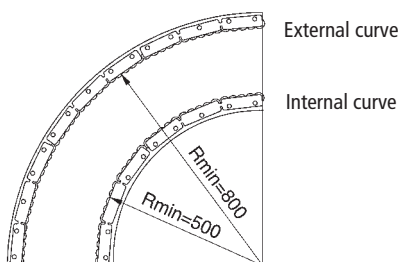
- **Use of Part. 128 S-128**  
Rugged containers (ex. cases, cartons).

## • Modular system

Guides are made of 257 mm long modules fixed on a metal "C" profile.

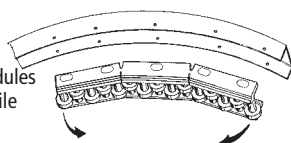


- **Min. curvature radius (only for Part. 128 S)**

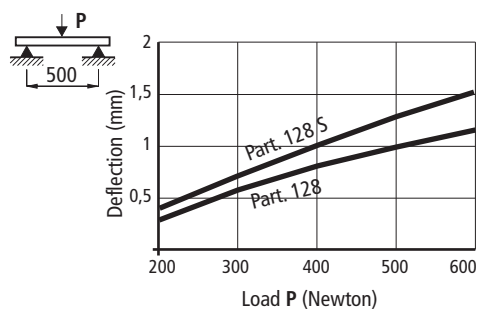


## Curving procedure

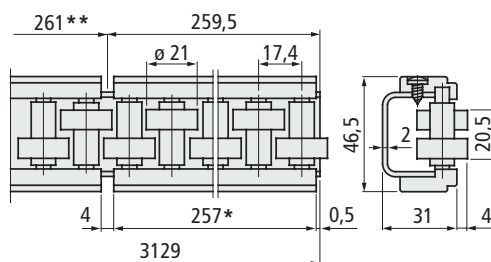
- Disassemble the modules
- Curve the metal profile using the manual bending machine.
- Reassemble the modules (the flexibility of the side straps make them easily adaptable to the curved profile).



- **Deflection of Part. 128S-128**



## ■ Roller side guide



\* = module length  
\*\* = pitch of modules

| Part. | Metal profile and screws material | Code  | Weight kg/m |
|-------|-----------------------------------|-------|-------------|
| 128 S | Zinc plated steel                 | 64136 | 2,06        |
|       | Stainless steel AISI 304          | 63466 |             |

- Both straight and curved sections.
- Material : rollers in acetal POM (white). Side straps in polyamide PA (black). Roller pins in stainless steel AISI 430 F.
- Standard packaging : strands of 3,129 metres.
- Packaging : 6,258 metres (n2 strands).
- Accessories :



Guide rail clamps  
see page S104.



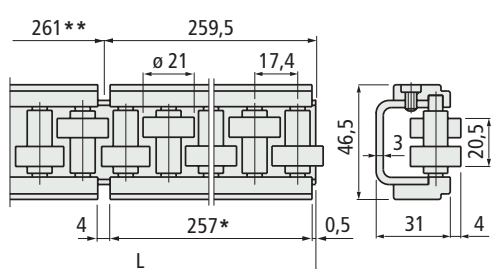
Guide rail bending machine (manual)  
see page S101.

## Part. 128 S



Sideflexing

## ■ Roller side guide



\* = module length  
\*\* = pitch of modules

| Part. | Length L mm | Metal profile and screws material | Code  | Weight kg/m |
|-------|-------------|-----------------------------------|-------|-------------|
| 1041  |             | Zinc plated steel                 | 64531 |             |
|       |             | Stainless steel AISI 304          | 62640 |             |
| 128   | 2085        | Zinc plated steel                 | 64541 | 2,6         |
|       |             | Stainless steel AISI 304          | 62670 |             |
| 3129  |             | Zinc plated steel                 | 64551 |             |
|       |             | Stainless steel AISI 304          | 63350 |             |

- Material : rollers in acetal POM (white). Side straps in polyamide PA (black). Roller pins in stainless steel AISI 430 F.
- Packaging : n2 strands.
- Accessories :



Guide rail clamps  
see page S104.

## Part. 128



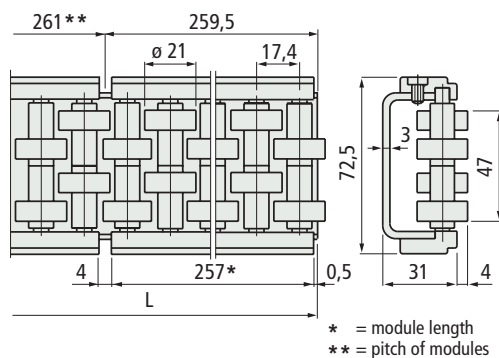
Straight run

## Part. 128



Straight run

### Roller side guide



| Part. | Length<br>L<br>mm | Metal profile and<br>screws material | Code  | Weight<br>kg/m |
|-------|-------------------|--------------------------------------|-------|----------------|
| 128   | 1041              | Zinc plated steel                    | 64501 | 3,8            |
|       |                   | Stainless steel AISI 304             | 62650 |                |
|       | 2085              | Zinc plated steel                    | 64511 |                |
|       |                   | Stainless steel AISI 304             | 62680 |                |
|       | 3129              | Zinc plated steel                    | 64521 |                |
|       |                   | Stainless steel AISI 304             | 63340 |                |

- Material : rollers in acetal POM (white). Side straps in polyamide PA (black). Roller pins in stainless steel AISI 430 F.

- Packaging : n2 strands.

- Accessories :



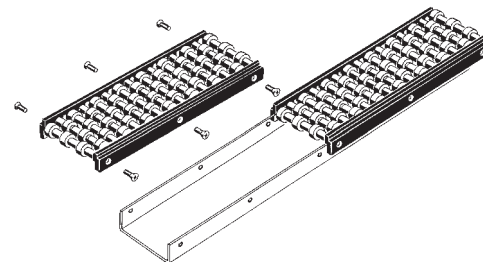
Guide rail  
clamps  
see page S122.

### Use of Part. 128

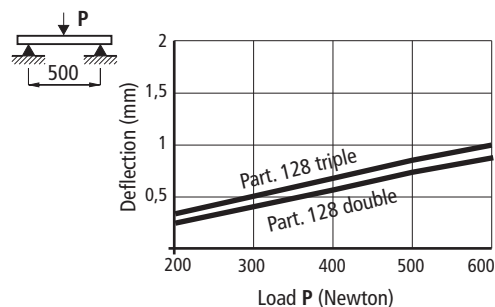
Rugged containers (ex. cases, cartons).

### Modular system Part. 128

Guides are made of 257 mm long modules fixed on a metal "C" profile.



### Deflection of Part.128

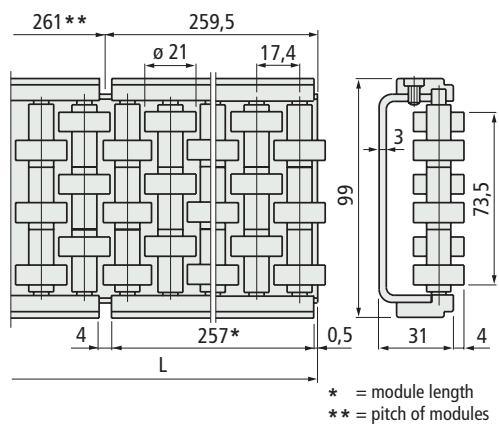


## Part. 128



Straight run

### Roller side guide



| Part. | Length<br>L<br>mm | Metal profile and<br>screws material | Code  | Weight<br>kg/m |
|-------|-------------------|--------------------------------------|-------|----------------|
| 128   | 1041              | Zinc plated steel                    | 64471 | 5,0            |
|       |                   | Stainless steel AISI 304             | 62660 |                |
|       | 2085              | Zinc plated steel                    | 64481 |                |
|       |                   | Stainless steel AISI 304             | 62690 |                |
|       | 3129              | Zinc plated steel                    | 64491 |                |
|       |                   | Stainless steel AISI 304             | 62890 |                |

- Material : rollers in acetal POM (white). Side straps in polyamide PA (black). Roller pins in stainless steel AISI 430 F.

- Packaging : n2 strands.

- Accessories :



Guide rail  
clamps  
see page S122.

## • Bending procedure

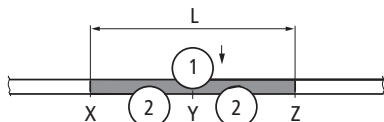
1- Calculate the length of the section to be bent L.

$$L = R \cdot K$$

R = bend radius.  
K = bend coefficient.

|                      |     |    |     |     |     |     |
|----------------------|-----|----|-----|-----|-----|-----|
| bend angle (degrees) | 30  | 60 | 90  | 120 | 150 | 180 |
| bend coefficient K   | 0,5 | 1  | 1,5 | 2   | 2,5 | 3   |

2- Sign the length L on the profile to be bent, with (X) starting point, (Z) end point and (Y) middle point. Acting on handle (M), displace roller (1) to contact the profile



3- Acting on handle (M), adjust the displacement to obtain the right radius (more displacement, smaller radius). Acting on handle (N), rollers (2) rotate and move the profile to position X (picture A) or Z (picture B). To obtain the desired radius it is necessary a minimum of two shifts. To get a seamless transition from straight section to curve section and vice-versa it is necessary to exceed points X and Z by 20 mm.

Fig. A

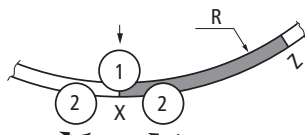
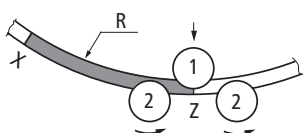
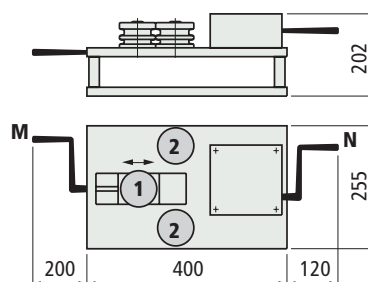


Fig. B



## ■ Guide rail bending machine (manual)

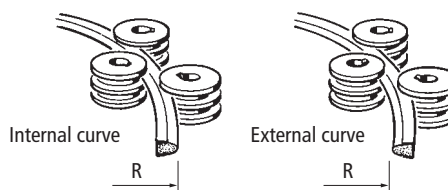


**Part. 218**

| Part.      | Code          | Weight<br>kg |
|------------|---------------|--------------|
| <b>218</b> | <b>60151*</b> | 23           |

- Functioning : manual.
- Packaging : 1 bending machine.
- Accessories : rollers for bending Part. 233.
- The bending machine is made with 3 shafts for rollers, hand driven.  
Handle (M), displaces roller (1), to determine the bending radius.  
Handle (N), actions the rotation of rollers (2).
- The rollers are supplied as separate accessories.  
Each type of guide needs specific rollers, according to the table below. Double groove rollers allow two profile bending at one time.

- Both internal and external bends can be made.



\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

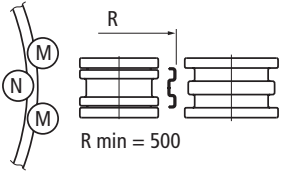
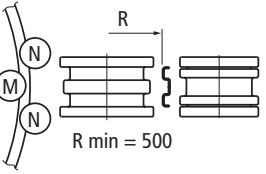
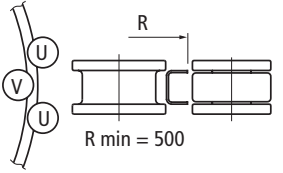
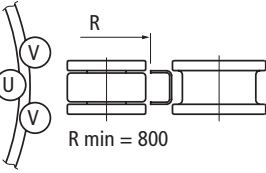
# Part. 233

## Rollers for bending

| Part. | Types of guides to be bent                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Inside bent rollers position                                                                                 | Inside bent rollers position                                                                                   | Code    | No. of rollers |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------|----------------|
| 233   | Part. 219 Part. 393<br> <br>Part. 317 Part. 308<br> <br>Part. 223<br> | <br>$R$<br>$R \min = 145$   | <br>$R$<br>$R \min = 145$   | 62791   | 4              |
|       | Part. 247<br>                                                                                                                                                                                                                                                                                                                                                                                             | <br>$R$<br>$R \min = 145$   | <br>$R$<br>$R \min = 145$   | 62811*  | 4              |
|       | Part. 346<br>                                                                                                                                                                                                                                                                                                                                                                                             | <br>$R$<br>$R \min = 110$   | <br>$R$<br>$R \min = 110$   | 64374*  | 4              |
|       | Part. 273<br>                                                                                                                                                                                                                                                                                                                                                                                           | <br>$R$<br>$R \min = 160$  | <br>$R$<br>$R \min = 160$  | 69232*  | 3              |
|       | Part. 596<br>                                                                                                                                                                                                                                                                                                                                                                                           | <br>$R$<br>$R \min = 160$ | <br>$R$<br>$R \min = 160$ | 621462* | 3              |
|       | Part. 422<br>                                                                                                                                                                                                                                                                                                                                                                                           | <br>$R$<br>$R \min = 280$ | <br>$R$<br>$R \min = 280$ | 68179*  | 4              |
|       | Steel rods<br>dia. 8 to 14• mm<br>                                                                                                                                                                                                                                                                                                                                                                      | <br>$R$<br>$R \min = 145$ | <br>$R$<br>$R \min = 145$ | 62821*  | 3              |
|       | Part. 191 Part. 296<br>                                                                                                                                                                                                                                                                                              | <br>$R$<br>$R \min = 200$ | <br>$R$<br>$R \min = 200$ | 62801*  | 3              |

\*= items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.



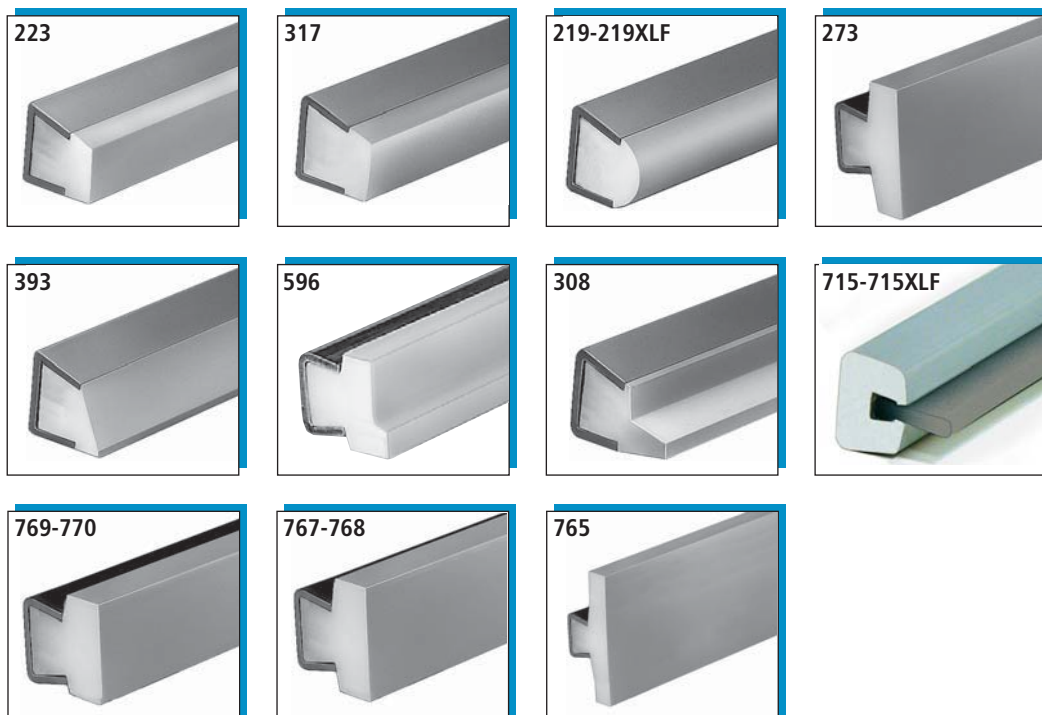
| Part. | Types of guides to be bent                                                                       | Inside bent rollers position                                                                     | Inside bent rollers position                                                                     | Code    | No. of rollers |
|-------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------|----------------|
| 233   | Part. 537<br>   | <br>R min = 500 | <br>R min = 500 | 689371* | 4              |
|       | Part. 128 S<br> | <br>R min = 500 | <br>R min = 800 | 64566*  | 4              |

- Material : steel (the rollers for Part. 346 - 273 - 596 - 356, are supplied in polyamide PA black).
- Packaging : 1 series of rollers.
- Double race rollers allow two guides to be bent at the same time.
- \* = Steel rods dia.14 mm, can be bent only one at a time (use the lower groove to give less stress to the machine).

\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

## Guide rail clamps for

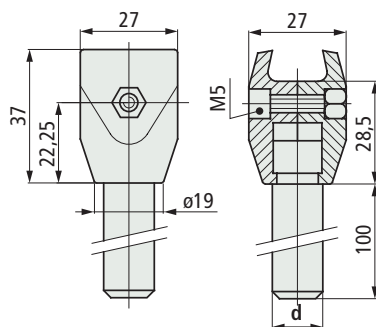
- Part. 223
- Part. 317
- Part. 219-219XLF
- Part. 273
- Part. 393
- Part. 596
- Part. 308
- Part. 715-715XLF
- Part. 765
- Part. 767
- Part. 768
- Part. 769
- Part. 770



## Part. 210 P



### ■ Guide rail clamp



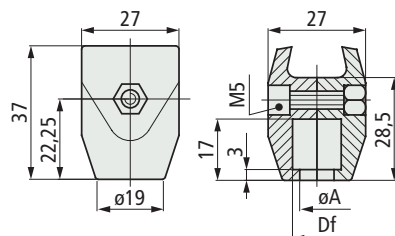
| Part. | Pin dia.<br>d<br>mm | Code     | Weight<br>kg |
|-------|---------------------|----------|--------------|
| 210 P | 12                  | P6203910 | 0,12         |
|       | 14                  | P6185510 | 0,15         |

- Material : guide rail clamps in reinforced polyamide PA FV (black). Pin in stainless steel AISI 303.
- Bolt in stainless steel AISI 304. Nut in nickel plated brass.
- Packaging : 50 pieces.

## Part. 210



### ■ Guide rail clamp

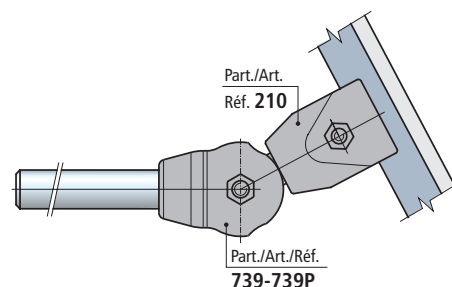


| Part. | Use              | Bore dia.<br>Df<br>mm | dia. A<br>mm | Code<br>With<br>Microban® | Without<br>Microban® | Weight<br>kg |
|-------|------------------|-----------------------|--------------|---------------------------|----------------------|--------------|
| 210   | for pins dia. 12 | 12                    | 10           | 652022                    | 600372               | 0,02         |
|       | for pins dia. 14 | 13,5                  | 11,5         | -                         | 59941                |              |

- Material : guide rail clamps in reinforced polyamide PA FV
- Bolt in stainless steel AISI 304. Nut in nickel plated brass.
- Colour : grey (with Microban®), black (without Microban®).
- Packaging: 100 pieces.
- Accessories : swivel pin connection Part. 739-739P.

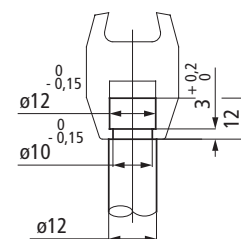
### • Swivel pin connection Part. 739-739P

- Use for conveyors with (format change).
- They allow an easy regulation of product-guides on corner tracks.
- See page S108.

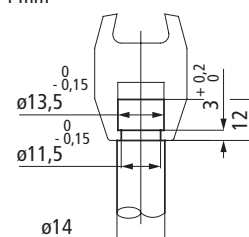


### • Pin dimensions for Part. 210

Pin dia. 12 mm

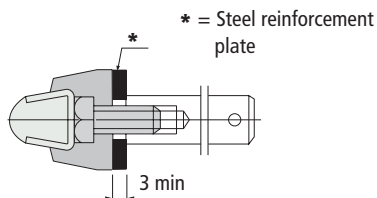
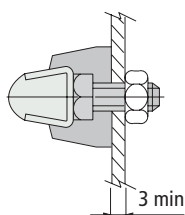


Pin dia. 14 mm

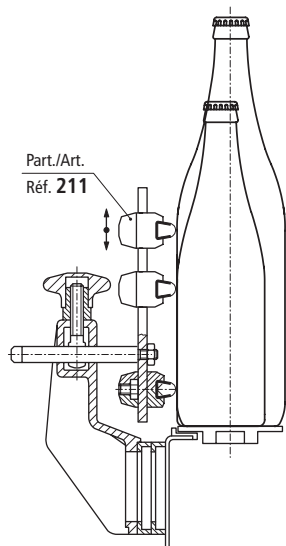


for Part. 223 - 317 - 219 - 219XLF - 273 - 393 - 596 - 308 - 715 - 715XLF - 765 - 767 - 768 - 769 - 770

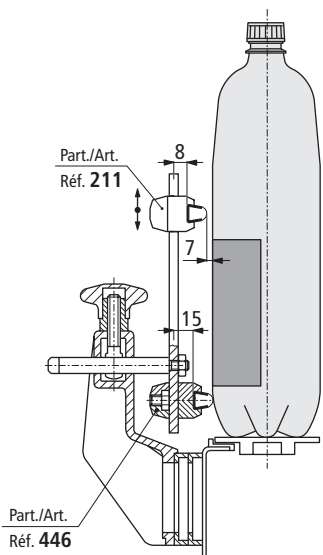
## • Assembly of part. 275



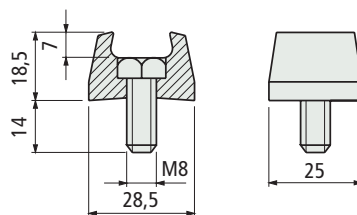
## • Assembly of Part. 211 Unlimited height adjustment possible



## • Assembly of Part. 211-446 PET bottle movement (subject to swelling).



## ■ Guide rail clamp



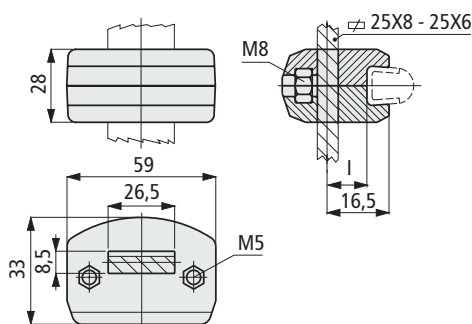
| Part. | Code  | Weight<br>kg |
|-------|-------|--------------|
| 275   | 66811 | 0,02         |

- Material : guide rail clamps in acetal POM (Black), bolt in stainless steel AISI 304
- Packaging : 100 pieces.

## Part. 275



## ■ Adjustable guide rail clamp



| Part. | I<br>mm | Code   | Weight<br>kg |
|-------|---------|--------|--------------|
| 211   | 8       | 652032 | 0,05         |
|       |         | 59961  |              |

- Material : guide rail clamps in reinforced polyamide PA FV (black).
- Bolt in stainless steel AISI 304. Nut in nickel plated brass.
- Colour : grey (with Microban®), black (without Microban®).
- Packaging : 100 pieces.

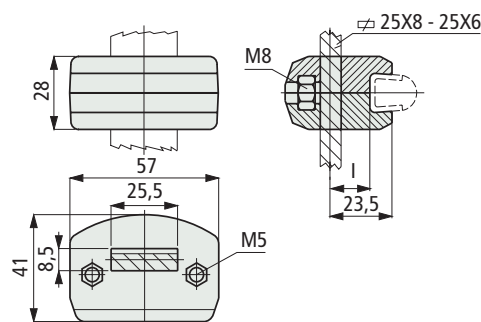
## Part. 211



Distance I = 8 mm



## ■ Adjustable guide rail clamp



| Part. | I<br>mm | Code   | Weight<br>kg |
|-------|---------|--------|--------------|
| 446   | 15      | 607651 | 0,05         |

- Material : guide rail clamps in reinforced polyamide PA FV (black).
- Bolt in stainless steel AISI 304. Nut in nickel plated brass.
- Packaging : 50 pieces.

## Part. 446



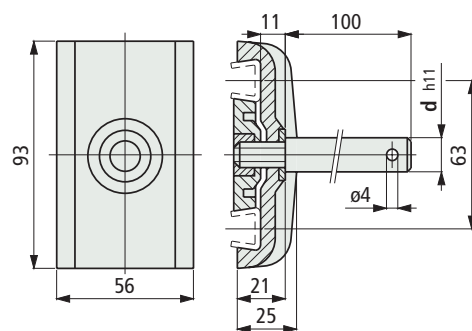
Distance I = 15 mm

for Part. 223 - 317 - 219 - 219XLF - 273 - 393 - 596 - 308 - 715 - 715XLF - 765 - 767 - 768 - 769 - 770

## Part. 213



### Double guide rail clamp



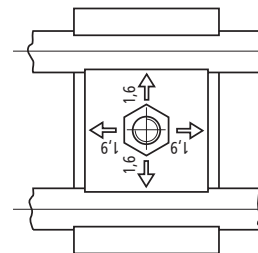
| Part. | Pin dia.<br>d<br>mm | Code              |                      | Weight<br>kg |
|-------|---------------------|-------------------|----------------------|--------------|
|       |                     | With<br>Microban® | Without<br>Microban® |              |
| 213   | 12                  | 652042            | 60091                | 0,19         |
|       | 14                  | —                 | 60181                | 0,22         |
|       | 16                  | —                 | 60191                | 0,25         |

- Material : guide rail clamp in reinforced polyamide PA FV. Pin in stainless steel AISI 303. Washer in stainless steel AISI 304. Nut in nickel plated brass.
- Colour : grey (with Microban®), black (without Microban®).
- Packaging : 50 pieces.

### Assembly of Part. 213

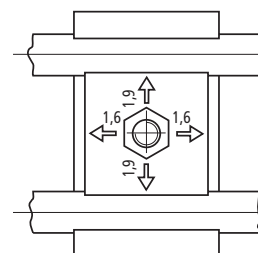
The plate inside the clamp must be positioned to suit the thickness of the guide.

Position of plate for assembly of guides of thickness  $s = 1,5$ .



Position of plate for assembly of guides of thickness  $s = 2$ .

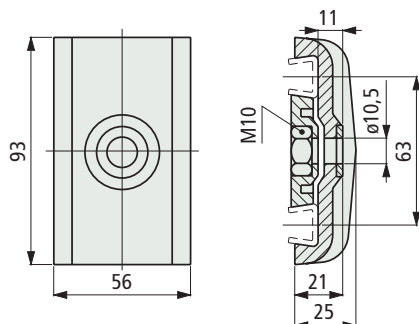
The plate is turned through 90°.



## Part. 213



### Double guide rail clamp



| Part. | Code  | Weight<br>kg |
|-------|-------|--------------|
| 213   | 60101 | 0,08         |

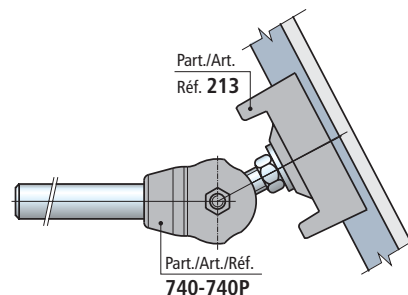
- Material : guide rail clamp in reinforced polyamide PA FV (black). Washer in stainless steel AISI 304. Nut in nickel plated brass.
- Packaging : 50 pieces.
- Accessories : swivel pin connection Part. 749-740P.

### Pin dimension for Part. 213



### Swivel pin connection Part. 740-740P

Use for conveyors with (format change). They avoid an easy regulation of product-guides on corner tracks. See page S108.

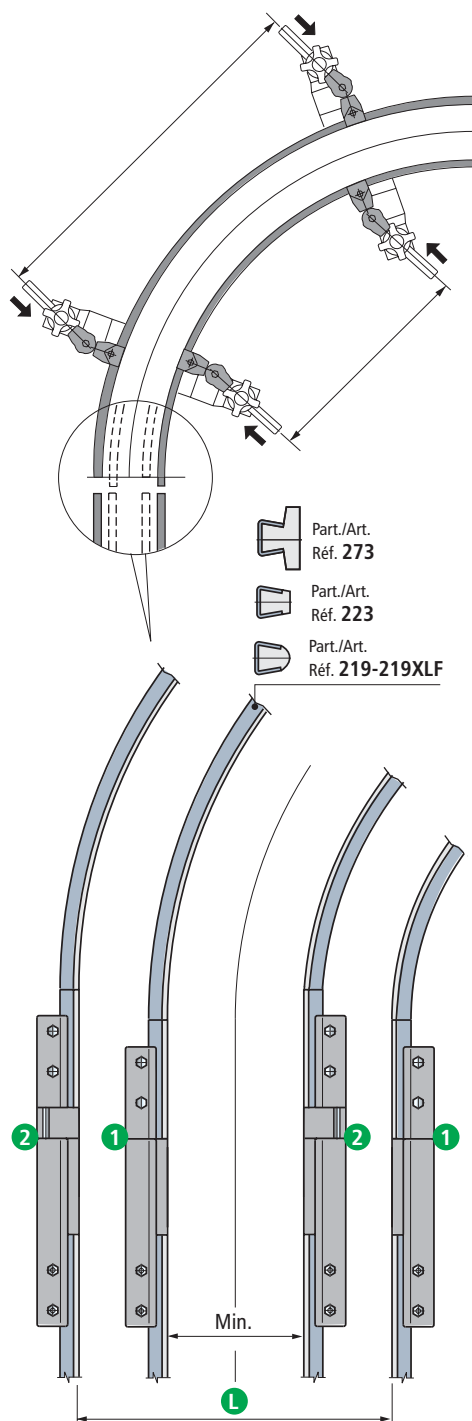


# Guide - Rail Clamps

for Part. 223 - 219 - 219XLF - 273

## • Assembly of Part. 736-737-738

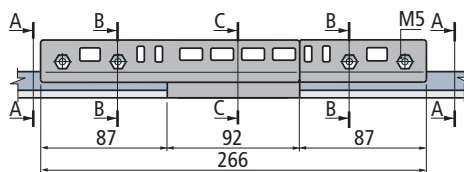
The clamps allows the junction of straight tracks with corner tracks.  
Ideal to adjust the length of side guides near the curves when width adjustment is needed.



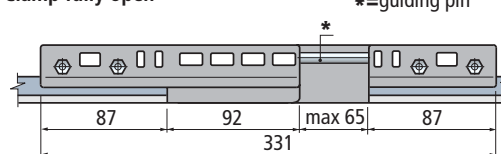
- 1- Closed clamp.  
2- Open clamp.  
L- Size changing width.

## ■ Sliding joint clamp

Clamp fully closed



Clamp fully open

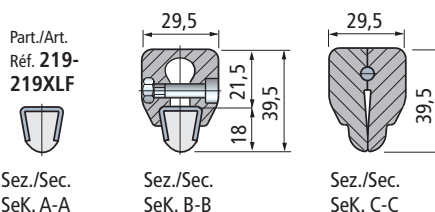


Part. **736-737-738**

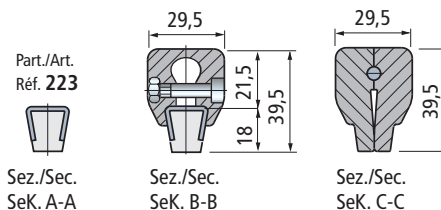


*New Product*

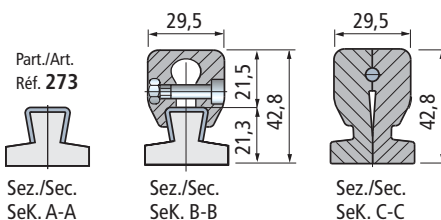
## ■ Part. 736 - Sliding joint clamp for Part. 219-219XLF



## ■ Part. 738 - Sliding joint clamp for Part. 223



## ■ Part. 737 - Sliding joint clamp for Part. 273



| Part. | Type of guides to joint                                                                              | Code   | Weight Kg |
|-------|------------------------------------------------------------------------------------------------------|--------|-----------|
| 736   |  Part. 219-219XLF | 695402 |           |
| 738   |  Part. 223        | 695422 | 0,24      |
| 737   |  Part. 273        | 695412 |           |

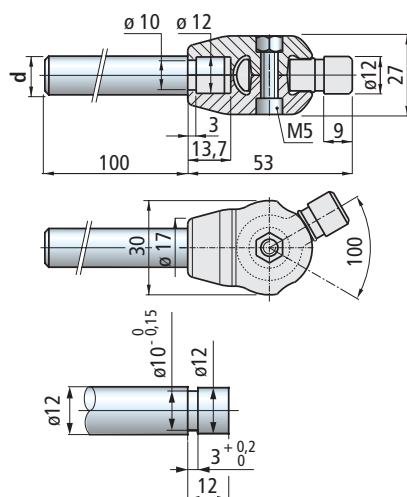
- Material: clamp in acetal (white). Guiding pin in stainless steel AISI 303. Tightening bolt in stainless steel AISI 304.
- Max recommended tightening torque : 0,4 Kgm.
- Packaging : 1 piece.

## Part. 739-739P



*New  
Product*

### Swivel pin connection



| Part. | Version     | Pin dia.<br>d mm | Code     | Weight<br>Kg |
|-------|-------------|------------------|----------|--------------|
| 739   | Without pin | —                | 695522   | 0,01         |
| 739P  | With pin    | 12               | P6025830 | 0,12         |

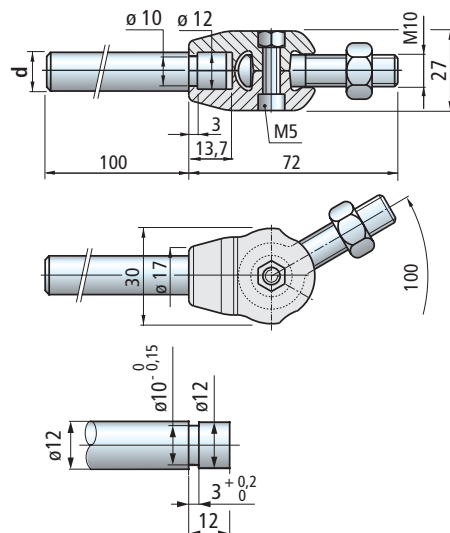
- Material : clamp and eyebolt in reinforced Polyamide PA FV (black). Bolt in stainless steel AISI 304. Nut in nickel plated brass.
- Packaging : 20 pieces.

## Part. 740-740P



*New  
Product*

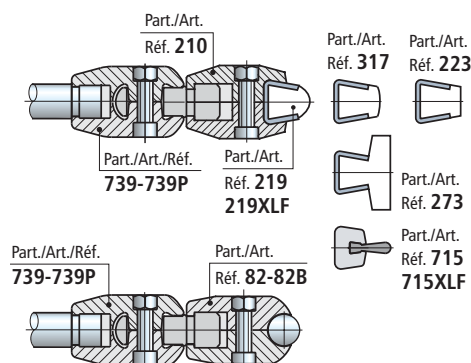
### Swivel pin connection



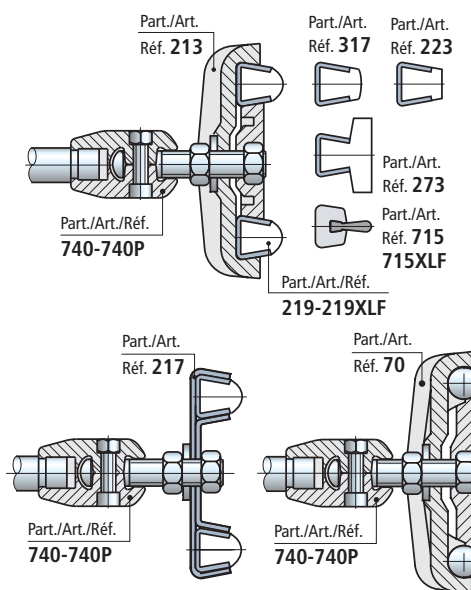
| Part. | Version     | Pin dia.<br>d mm | Code     | Weight<br>Kg |
|-------|-------------|------------------|----------|--------------|
| 740   | Without pin | —                | 695532   | 0,01         |
| 740P  | With pin    | 12               | P0602593 | 0,12         |

- Material : clamp in reinforced Polyamide PA FV (black). Eyebolt and nut in stainless steel AISI 304. Bolt in stainless steel AISI 304. Nut in nickel plated brass.
- Packaging : 20 pieces.

### Assembly of Part. 739-739P

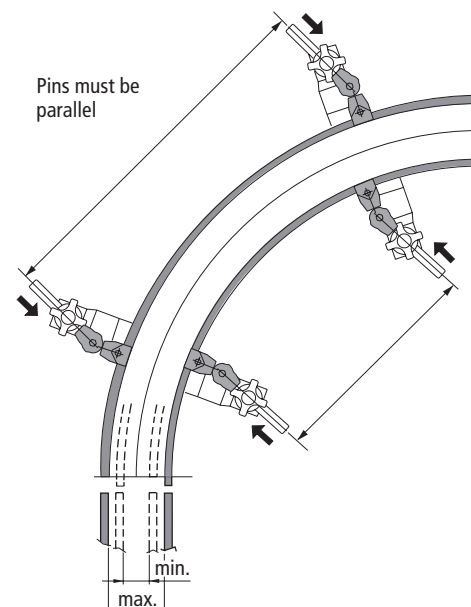


### Assembly of Part. 740-740P



### Use of Part. 739-739P-740-740P

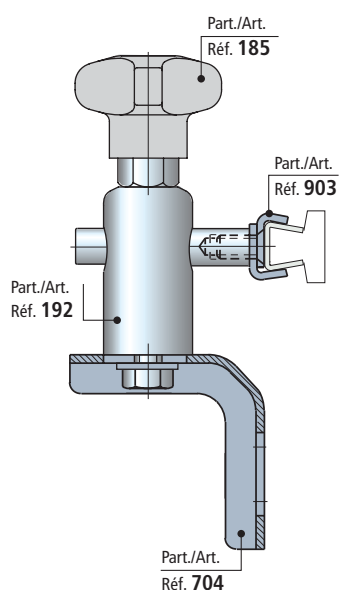
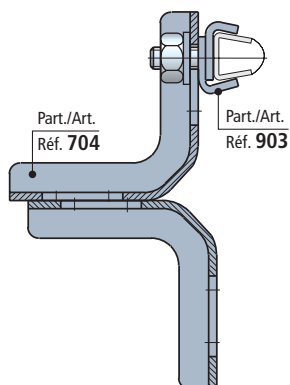
- Use for conveyors with (format change).
- They allow an easy regulation of product-guides on corner tracks.
- To adjust the guide-rail with format change, untighten the knobs of brackets and slide along the "parallel pins" until the required width.



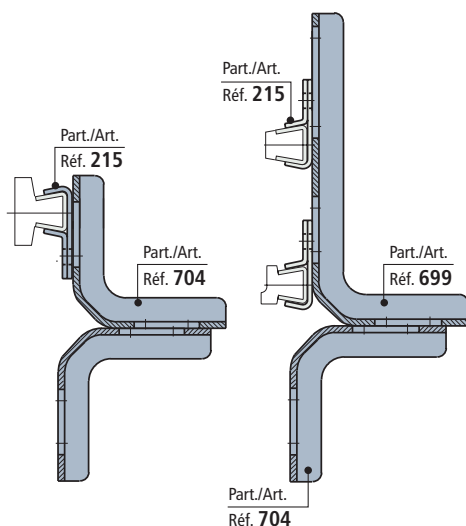


for Part. 223 - 317 - 219 - 219XLF - 273 - 393 - 596 - 308 - 715 - 715XLF - 765 - 767 - 768 - 769 - 770

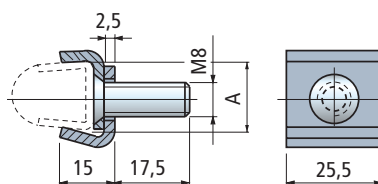
## • Assembly of Part. 903-216



## • Assembly of Part. 215



## ■ ViseClamp™



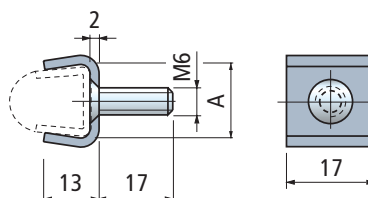
| Part. | Use                  | A mm | Code    |
|-------|----------------------|------|---------|
| 903   | For guides with S= 2 | 17   | 656001* |

- Material : stainless steel AISI 303.  
- Packaging : 50 pieces.

## Part. 903



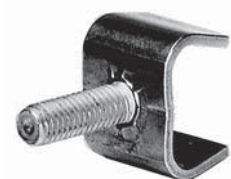
## ■ Guide rail clamp



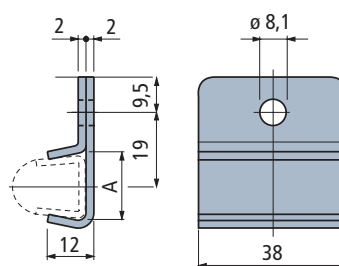
| Part. | Use                    | A mm | Code   | Weight kg |
|-------|------------------------|------|--------|-----------|
| 216   | For guides with S= 1,5 | 16,5 | 60131* | 0,01      |
|       | For guides with S= 2   | 17   | 64244  |           |

- Material : stainless steel AISI 304.  
- Packaging : 50 pieces.

## Part. 216



## ■ Guide rail clamp



| Part. | Use                    | A mm | Code  | Weight kg |
|-------|------------------------|------|-------|-----------|
| 215   | For guides with S= 1,5 | 16   | 60121 | 0,04      |
|       | For guides with S= 2   | 17   | 65976 |           |

- Material : stainless steel AISI 304.  
- Packaging : 50 pieces.

## Part. 215



\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

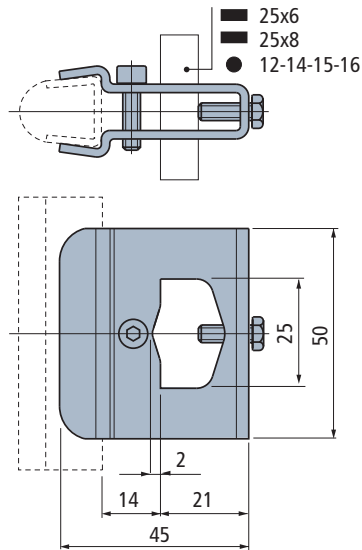
for Part. 223 - 317 - 219 - 219XLF - 273 - 393 - 596 - 308 - 715 - 715XLF - 765 - 767 - 768 - 769 - 770

## Part. 693



*New  
Product*

### ■ Guide-rail clamp With one fixing screw



| Part. | Code   | Weight<br>kg |
|-------|--------|--------------|
| 693   | 689212 | 0,10         |

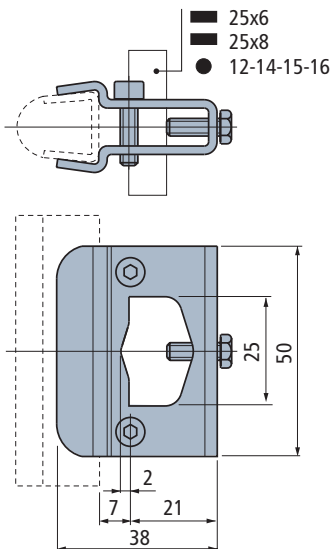
- Material : clamp and bolt in stainless steel AISI 304.
- Packaging : 16 pieces.

## Part. 694



*New  
Product*

### ■ Guide-rail clamp With two fixing screws



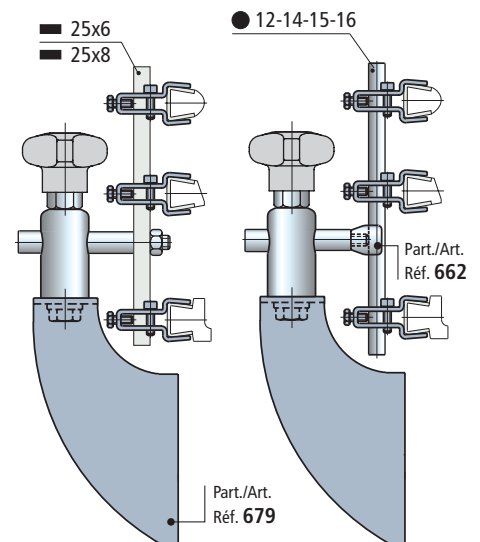
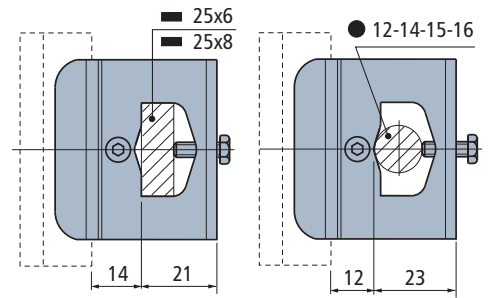
| Part. | Code   | Weight<br>kg |
|-------|--------|--------------|
| 694   | 689222 | 0,10         |

- Material : clamp and bolt in stainless steel AISI 304.
- Packaging : 16 pieces.

### • Assembly of Part. 693

Fixing on plates

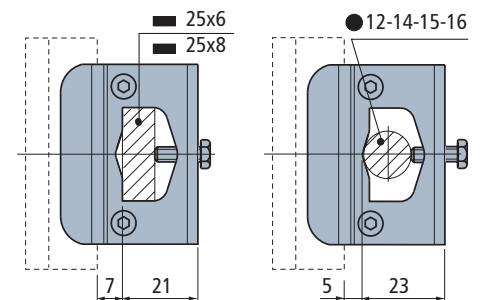
Fixing on rods



### • Assembly of Part. 694

Fixing on plates

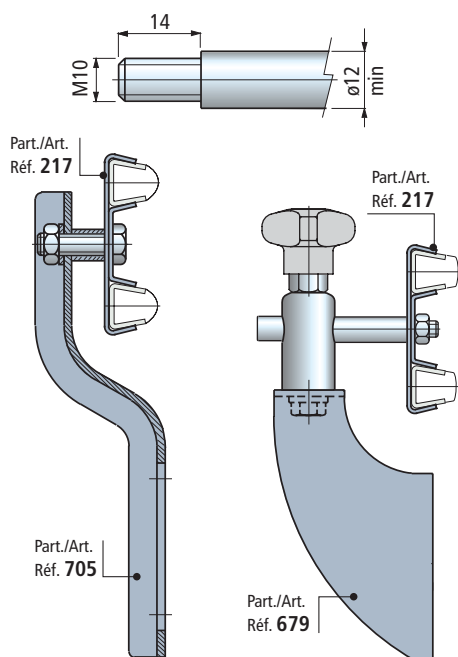
Fixing on rods



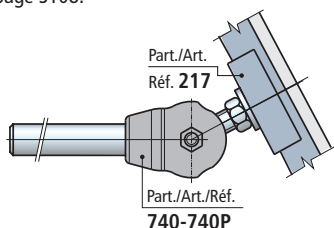
# Guide - Rail Clamps

for Part. 223 - 317 - 219 - 219XLF - 273 - 393 - 596 - 308 - 715 - 715XLF - 765 - 767 - 768 - 769 - 770

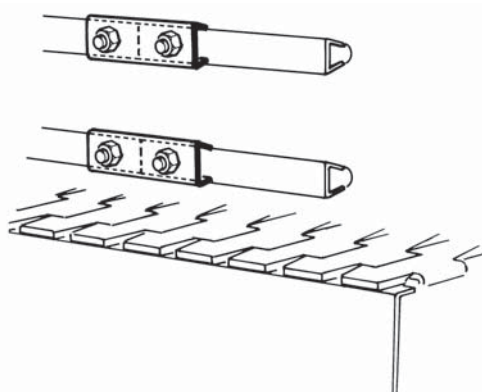
## • Pin dimensions for Part. 217



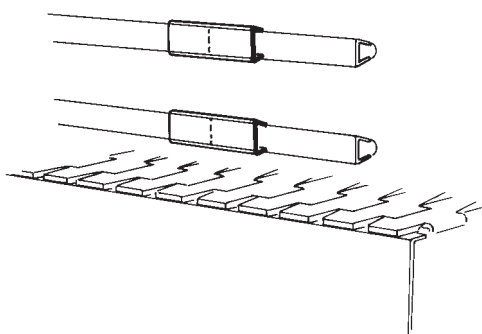
- **Swivel pin connection** Part. 740-740P  
Use for conveyors with (format change).  
They allow an easy regulation of product-guides on corner tracks.  
See page S108.



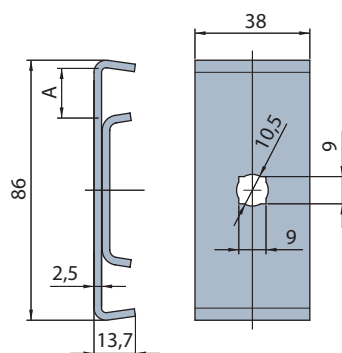
## • Assembly of Part. 902



## • Assembly of Part. 214



## ■ Guide-rail clamp (double)



| Part. | Use                    | A mm | Code    | Weight kg |
|-------|------------------------|------|---------|-----------|
| 217   | For guides with S= 1,5 | 16   | 60141   | 0,14      |
|       | For guides with S= 2   | 17   | 695131● |           |

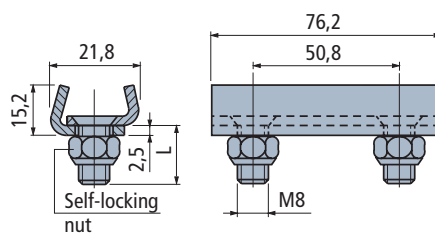
### ● = New Product

- Material : stainless steel AISI 304.
- Packaging : 50 pieces.
- Accessories : swivel pin connection Part. 740-740P.

## Part. 217



## ■ ViseSplice™



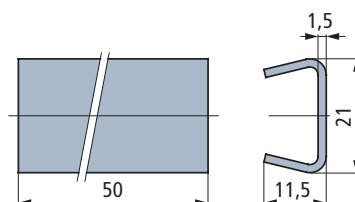
| Part. | Use                | L mm | Code    |
|-------|--------------------|------|---------|
| 902   | Per guide con S= 2 | 15   | 656041* |

- Material : stainless steel AISI 303.
- Packaging : 50 pieces.

## Part. 902



## ■ Connecting clamp



| Part. | Code  | Weight kg |
|-------|-------|-----------|
| 214   | 60111 | 0,02      |

- Material : stainless steel AISI 304.
- Packaging : 50 pieces.

## Part. 214



\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

## Guide-rail clamps for

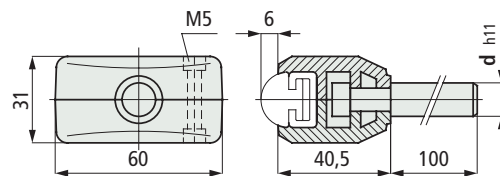
- Part. 247



## Part. 236



### ■ Guide-rail clamp



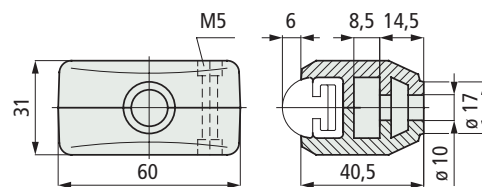
| Part. | Pin dia.<br>d<br>mm | Code   | Weight<br>kg |
|-------|---------------------|--------|--------------|
| 236   | 12                  | 63931  | 0,13         |
|       | 14                  | 63941  | 0,18         |
|       | 16                  | 63951* | 0,23         |

- Material : guide rail clamps in reinforced polyamide PA FV (black).
- Pin in stainless steel AISI 303.
- Bolts in stainless steel AISI 304. Nuts in nickel plated brass.
- Packaging : 50 pieces.

## Part. 236



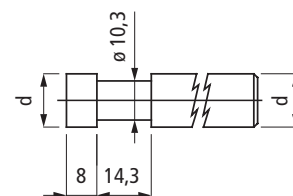
### ■ Guide-rail clamp



| Part. | Code  | Weight<br>kg |
|-------|-------|--------------|
| 236   | 63141 | 0,06         |

- Material : guide rail clamps in reinforced polyamide PA FV (black).
- Bolts in stainless steel AISI 304. Nuts in nickel plated brass.
- Packaging : 50 pieces.

### • Pin dimensions for Part. 236



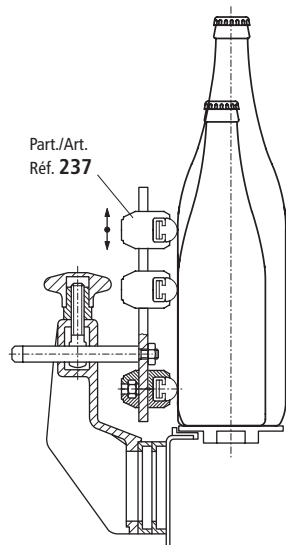
d = dia. 12 16 mm

\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

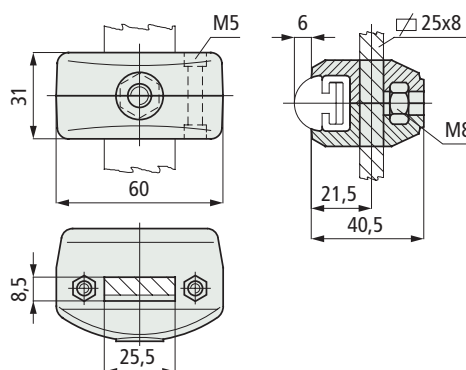
# Guide - Rail Clamps

for Part. 247

- Assembly of Part. 237  
Unlimited height adjustment possible



## ■ Adjustable guide-rail clamp (regolabile)



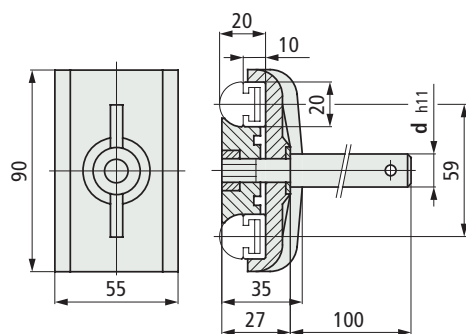
| Part. | Code  | Weight<br>kg |
|-------|-------|--------------|
| 237   | 63151 | 0,06         |

- Material : guide rail clamp in reinforced polyamide PA FV (black).
- Bolts in stainless steel AISI 304. Nuts in nickel plated brass.
- Packaging : 50 pieces.

Part. **237**



## ■ Double guide-rail clamp

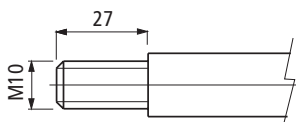


Part. **116**

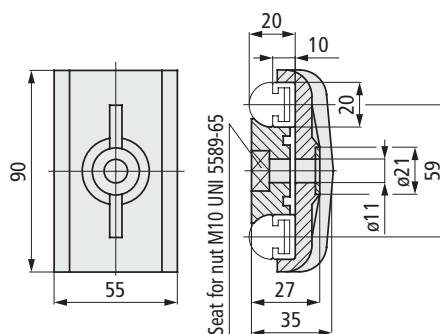
| Part. | Pin dia.<br>d<br>mm | Code  | Weight<br>kg |
|-------|---------------------|-------|--------------|
| 116   | 12                  | 51590 | 0,20         |
|       | 14                  | 51600 | 0,23         |
|       | 16                  | 55010 | 0,26         |

- Material : guide rail clamp in reinforced polyamide PA FV (black).
- Pin in stainless steel AISI 303. Washer in stainless steel AISI 304. Nut in nickel plated brass.
- Packaging : 50 pieces.

- Pin dimensions for Part. 111



## ■ Double guide-rail clamp



| Part. | Code  | Weight<br>kg |
|-------|-------|--------------|
| 111   | 51580 | 0,08         |

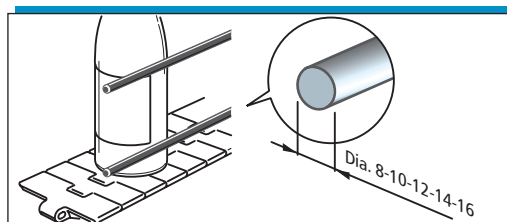
- Material : guide rail clamp in reinforced polyamide PA FV (black).
- Washer in stainless steel AISI 304.
- State of supply : supplied without tightening nut.
- Packaging : 50 pieces

Part. **111**

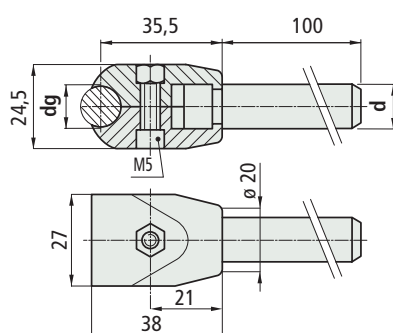


## Guide-rail clamps for

- Round steel rods

**Part. 82P**

■ Guide-rail clamp



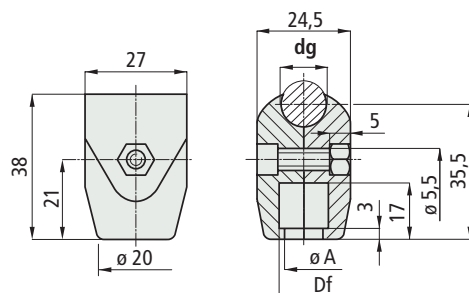
| Part. | pin dia.<br>d<br>mm | Guide dia.<br>dg<br>mm | Code      | Weight<br>kg |
|-------|---------------------|------------------------|-----------|--------------|
| 82 P  | 12                  | 10                     | P6827820● | 0,12         |
|       |                     | 12                     | P6184910  |              |
|       |                     | 14                     | P6185010  |              |
|       | 14                  | 10                     | P6827920● | 0,15         |
|       |                     | 12                     | P6185110  |              |
|       |                     | 14                     | P6185210  |              |

- = New Product.
- Material : guide rail clamps in reinforced polyamide PA 6 (black).
- Pin in stainless steel AISI 303.
- Bolt in stainless steel AISI 304. Nut in nickel plated brass.
- Packaging : 50 pieces.

## Part. 82-82B



■ Guide-rail clamp



| Part.                          | Use              | Guide dia. |           | Bore dia. dia. |         |              |
|--------------------------------|------------------|------------|-----------|----------------|---------|--------------|
|                                |                  | dg<br>mm   | Code      | Df<br>mm       | A<br>mm | Weight<br>kg |
| <b>Without tightening bolt</b> |                  |            |           |                |         |              |
| 82                             | for pins dia. 12 | 10         | 682742●   | 12             | 10      | 0,01         |
|                                |                  | 12         | 66861     |                |         |              |
|                                |                  | 14         | 66871*    |                |         |              |
|                                | for pins dia. 14 | 10         | 682752●   | 13,5           | 11,5    |              |
|                                |                  | 12         | 50930*    |                |         |              |
|                                |                  | 14         | 50940*    |                |         |              |
| <b>With tightening bolt</b>    |                  |            |           |                |         |              |
| 82 B                           | for pins dia. 12 | 10         | B6827620● | 12             | 10      | 0,01         |
|                                |                  | 12         | B6683800  |                |         |              |
|                                |                  | 14         | B6684800  |                |         |              |
|                                | for pins dia. 14 | 10         | B6827720● | 13,5           | 11,5    |              |
|                                |                  | 12         | B6072510  |                |         |              |
|                                |                  | 14         | B6072610  |                |         |              |

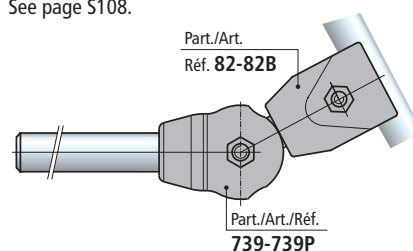
- = New Product.
- Material : guide rail clamps in reinforced polyamide PA 6 (black).
- Bolt in stainless steel AISI 304. Nut in nickel plated brass.
- Packaging : 100 pieces.
- Accessories : swivel pin connection Part. 739-739P.

- **Swivel pin connection** Part. 739-739P

Use for conveyors with (format change).

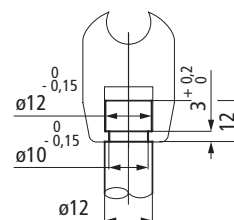
They allow an easy regulation of product-guides on corner tracks.

See page S108.

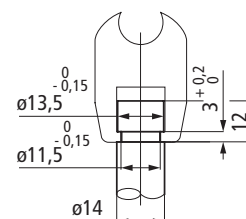


- Pin dimensions for Part. 82 - 82 B

Pin dia. 12 mm



Pin dia. 14 mm



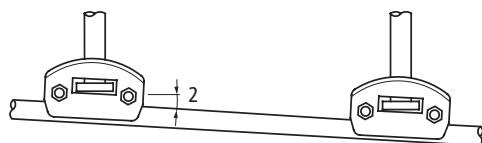


# Guide - Rail Clamps

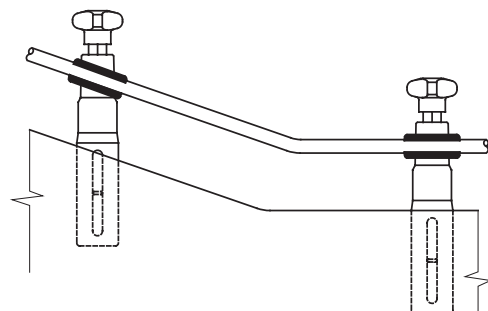
for round steel Rods

## • Assembly of Part. 478

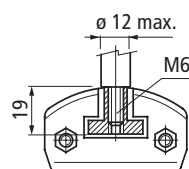
It is possible an inclination of 2° of the guide rail



Recommended for inclined conveyors (with any angle).



## • Pin dimensions for Part. 478



## • Assembly of Part. 159-437

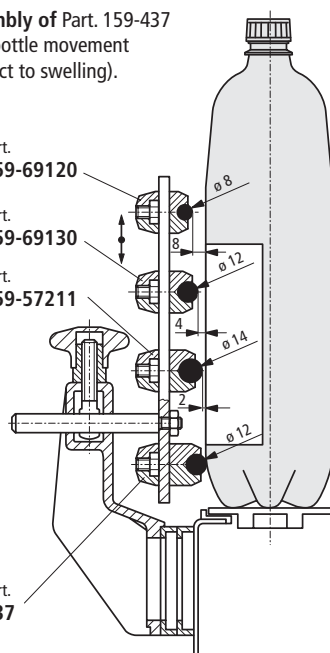
PET bottle movement  
(subject to swelling).

Part./Art.  
Réf. 159-69120

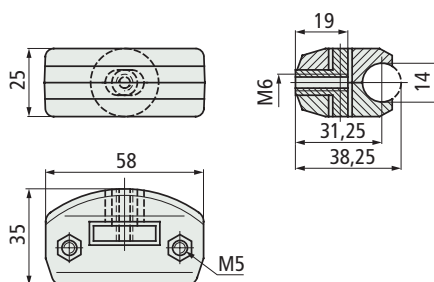
Part./Art.  
Réf. 159-69130

Part./Art.  
Réf. 159-57211

Part./Art.  
Réf. 437



## ■ Pivoting guide-rail clamp



| Part. | Code   | Weight<br>kg |
|-------|--------|--------------|
| 478   | 670151 | 0,06         |

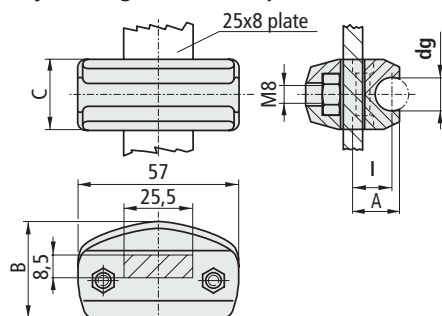
- Material : guide rail clamp in reinforced polyamide PA FV (black).
- Insert in brass. Bolts in stainless steel AISI 304. Nuts in nickel plated brass.
- Packaging : 50 pieces.

Part. 478



Pivoting

## ■ Adjustable guide-rail clamp



| Part. | Guide dia.<br>dg<br>mm | I<br>mm | A<br>mm | B<br>mm | C<br>mm | Code   | Weight<br>kg |
|-------|------------------------|---------|---------|---------|---------|--------|--------------|
| 159   | 8                      | 12      | 15,5    | 32,5    | 21      | 69120  | 0,05         |
|       | 10                     | 12      | 15,8    | 32,5    | 21      | 622381 |              |
|       | 12                     | 14      | 17,8    | 35      | 25      | 69130  |              |
|       | 14                     | 15      | 19,5    | 35      | 25      | 57211  |              |
| 437   | 12                     | 18      | 22      | 41      | 25      | 68089  | 0,05         |

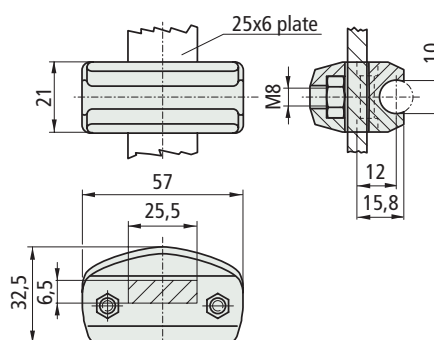
- Material : guide rail clamp in reinforced polyamide PA FV (black).
- Bolts in stainless steel AISI 304. Nuts in nickel plated brass.
- Packaging : 50 pieces.

Part. 159-437



For 25 x 8 plates

## ■ Adjustable guide-rail clamp



| Part. | Code  | Weight<br>kg |
|-------|-------|--------------|
| 451   | 63389 | 0,05         |

- Material : guide rail clamps in reinforced polyamide PA FV (black).
- Bolt in stainless steel AISI 304. Nut in nickel plated brass.
- Packaging : 50 pieces.

Part. 451



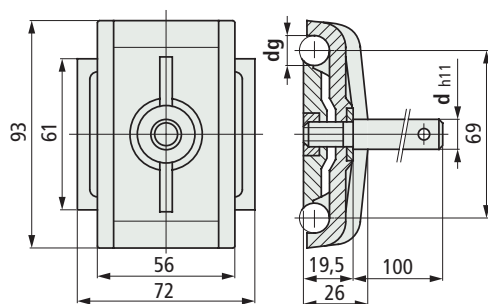
For 25 x 6 plates

## for round steel Rods

### Part. 71



#### Double guide-rail clamp



| Part. | Pin dia.<br>d<br>mm | Guide dia.<br>dg<br>mm | Code              | Weight<br>kg |
|-------|---------------------|------------------------|-------------------|--------------|
| 71    | 12                  | 10<br>12               | 677252*<br>50960  | 0,20         |
|       | 14                  | 10<br>12               | 677262*<br>50970  | 0,22         |
|       | 16                  | 10<br>12               | 677272*<br>50980* | 0,26         |

#### • = New Product

- Material : guide rail clamp in reinforced polyamide PA FV (black).

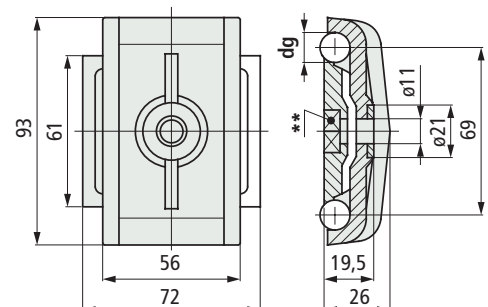
Pin in stainless steel AISI 303. Washer in stainless steel AISI 304. Nut in nickel plated brass.

- Packaging : 50 pieces.

### Part. 70



#### Double guide-rail clamp



\*\* = Seat for nut M10  
UNI 5588

| Part. | Guide dia.<br>dg<br>mm | Code    | Weight<br>kg |
|-------|------------------------|---------|--------------|
| 70    | 10                     | 677242* | 0,09         |
|       | 12                     | 50950   |              |

#### • = New Product

- Material : guide rail clamps in reinforced polyamide PA FV (black).

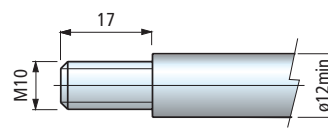
Washer in stainless steel AISI 304.

- State of supply : supplied without tightening nut.

- Packaging : 50 pieces.

- Accessories : swivel pin connection Part. 740-740P.

#### • Pin Dimensions for Part. 70

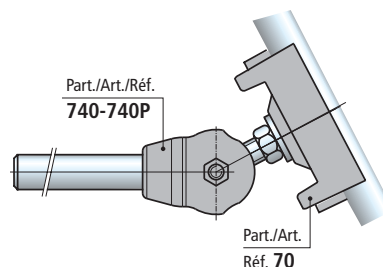


#### • Swivel pin connection Part. 739-739P

Use for conveyors with (format change).

They allow an easy regulation of product-guides on corner tracks.

See page S108.

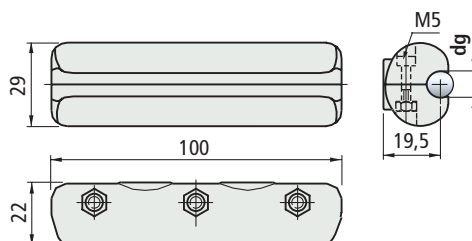


### Part. 676



New  
Product

#### Joint clamp



| Part. | Guide dia.<br>dg<br>mm | Code   | Weight<br>kg |
|-------|------------------------|--------|--------------|
| 676   | 10                     | 689682 | 0,10         |
|       | 12                     | 689692 |              |

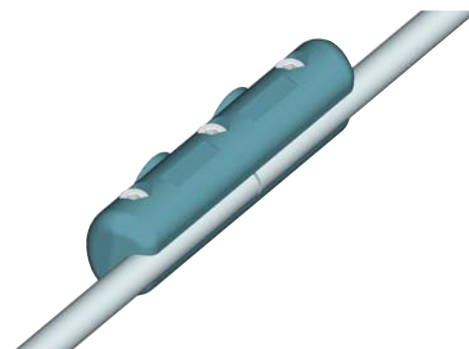
- Material : joint clamp in reinforced Polyamide PA FV (black).

Bolts in stainless steel AISI 304. Nuts in nickel plated brass.

- Packaging : 10 pieces.

#### • Use of part. 676

New split joint clamp, to be used for the junction of dia. 10-12 round guides.



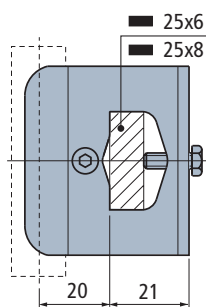
\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

# Guide - Rail Clamps

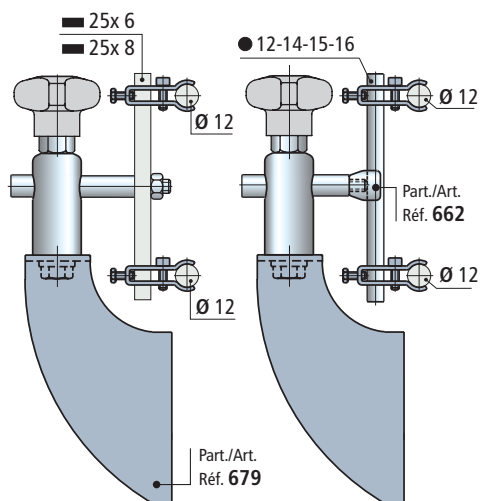
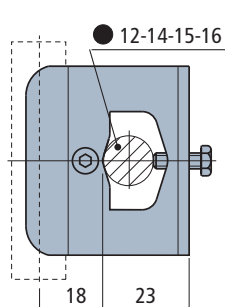
for round steel Rods

## • Assembly of Part. 697

Fixing on plates

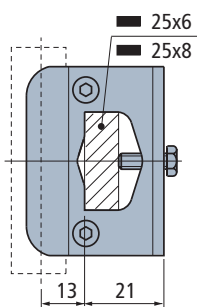


Fixing on rods

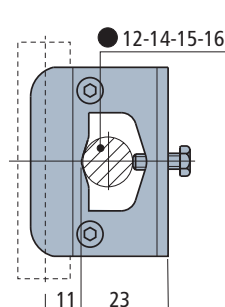


## • Assembly of Part. 698

Fixing on plates

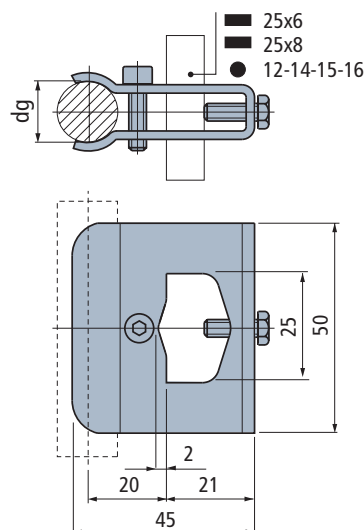


Fixing on rods



## ■ Guide-rail clamp

With one fixing screw

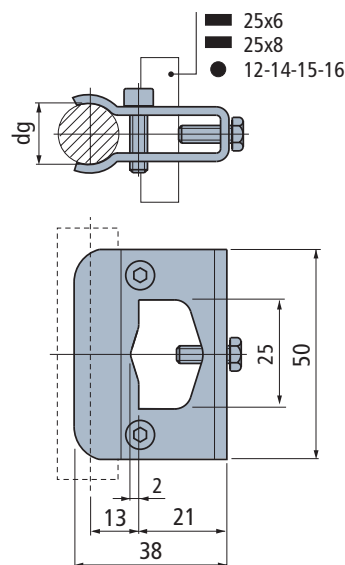


| Part. | Guide dia.<br>dg<br>mm | Code   | Weight<br>kg |
|-------|------------------------|--------|--------------|
| 697   | 12                     | 689192 | 0,10         |

- Material : clamp and bolt in stainless steel AISI 304.
- Packaging : 16 pieces.

## ■ Guide-rail clamp

With two fixing screws



| Part. | Guide dia.<br>dg<br>mm | Code   | Weight<br>kg |
|-------|------------------------|--------|--------------|
| 698   | 12                     | 689202 | 0,10         |

- Material : clamp and bolt in stainless steel AISI 304.
- Packaging : 16 pieces.

Part. **697**



*New  
Product*

Part. **698**



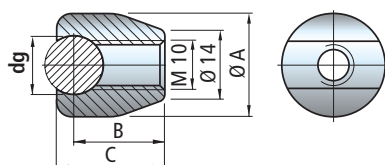
*New  
Product*

## Part. 662



*New  
Product*

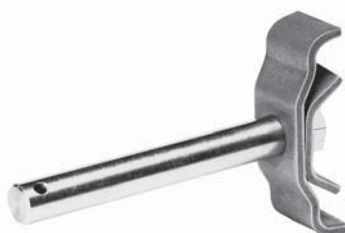
### ■ Guide-rail clamp



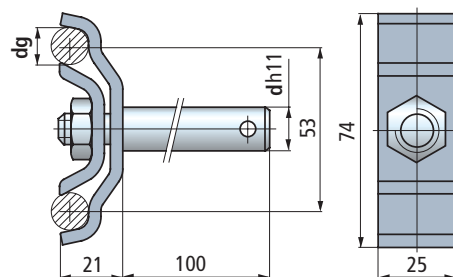
| Part. | Guide dia.<br>dg<br>mm | Code   | dia.A<br>mm | B<br>mm | C<br>mm | Weight<br>kg |
|-------|------------------------|--------|-------------|---------|---------|--------------|
| 662   | 10                     | 669542 | 20          | 17,5    | 20      | 0,03         |
|       | 12                     | 669552 | 21          | 18,5    | 22      |              |
|       | 14                     | 669562 | 23          | 19,5    | 24      |              |

- Material : stainless steel AISI 303.
- Packaging : 50 pieces.

## Part. 50



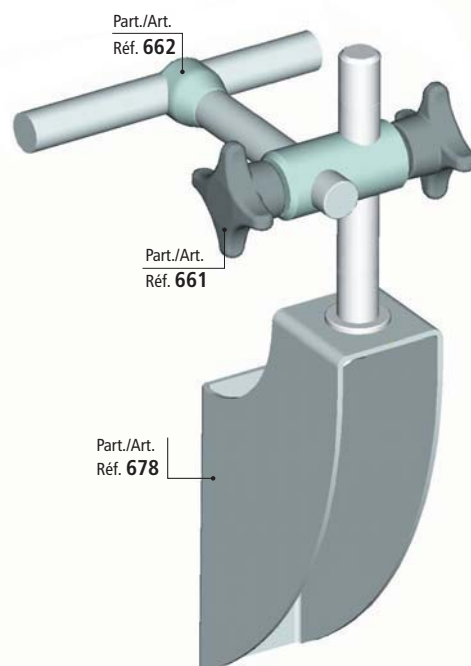
### ■ Guide-rail clamp (double)



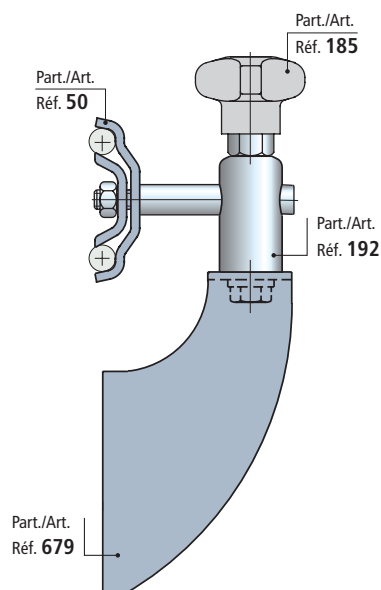
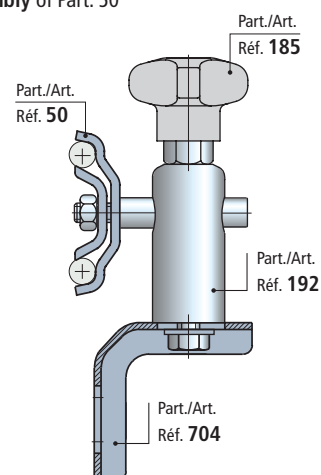
| Part. | Guide dia.<br>dg<br>mm | Pin dia.<br>d<br>mm | Code   | Weight<br>kg |
|-------|------------------------|---------------------|--------|--------------|
| 50    | 12                     | 12                  | 53801  | 0,34         |
|       |                        | 14                  | 51000  | 0,36         |
|       |                        | 16                  | 647871 | 0,38         |

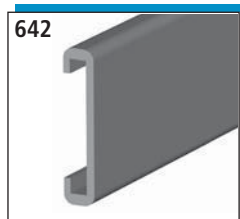
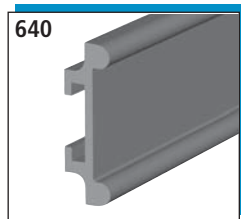
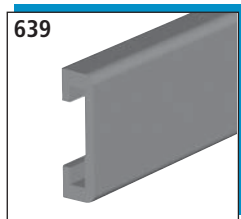
- Material : guide rail clamp and tightening nut in stainless steel AISI 304. Pin in stainless steel AISI 303.
- Packaging : 50 pieces.

### • Assembly of Part. 662



### • Assembly of Part. 50

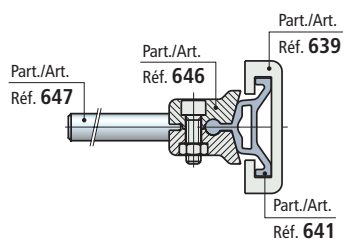




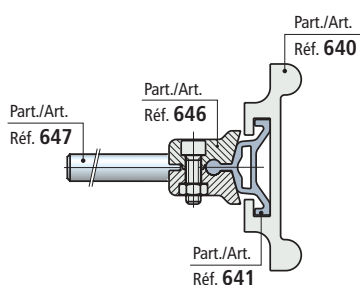
## Guide-rail clamps for

- Part. 639
- Part. 640
- Part. 642

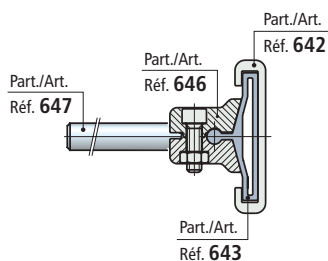
### • Assembly of Part. 639



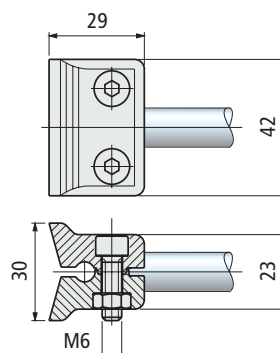
### • Assembly of Part. 640



### • Assembly of Part. 642



### ■ Guide-rail clamp



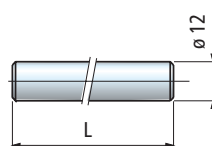
| Part. | Code   |
|-------|--------|
| 646   | 652362 |

- Material : clamp in poliketone (black).
- Bolts and nuts in stainless steel.
- Packaging : 50 pieces.

## Part. 646



### ■ Rod



| Part. | L mm | Code   | Weight kg |
|-------|------|--------|-----------|
| 647   | 100  | 652372 | 0,09      |
|       | 150  | 652382 | 0,13      |
|       | 200  | 652392 | 0,18      |
|       | 250  | 652402 | 0,22      |

- Material : stainless steel AISI 430.
- Packaging : 50 pieces.

## Part. 647



## Guide-rail clamps for

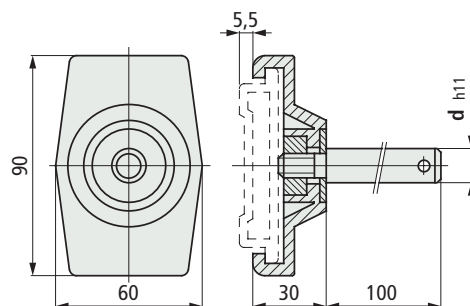
- Part. 191



## Part. 190



### Guide-rail clamp

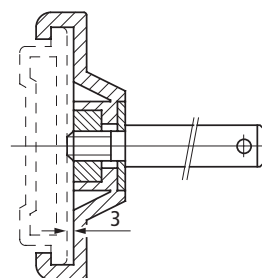


| Part. | pin dia.<br>d<br>mm | Code  | Weight<br>kg |
|-------|---------------------|-------|--------------|
| 190   | 12                  | 55741 | 0,18         |
|       | 14                  | 55751 | 0,22         |
|       | 16                  | 55761 | 0,25         |

- Material : guide rail clamp in reinforced polyamide PA FV (black).
- Pin in stainless steel AISI 303. Washer in stainless steel AISI 304. Nut in nickel plated brass.
- Packaging : 50 pieces.
- Suitable to use in curves also

### Assembly of Part.190

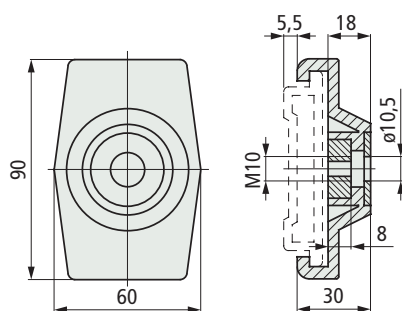
The protrusion of the pin allows the guide to be locked axially



## Part. 184



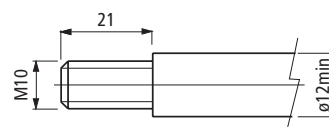
### Guide-rail clamp



| Part. | Code  | Weight<br>kg |
|-------|-------|--------------|
| 184   | 54961 | 0,09         |

- Material : guide rail clamp in reinforced polyamide PA FV (black). Washer in stainless steel AISI 304.
- Nut in nickel plated brass.
- Packaging : 50 pieces.
- Suitable to use in curves also

### Pin dimensions for Part. 184





Part. 296

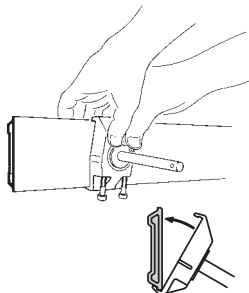


## Guide-rail clamps for

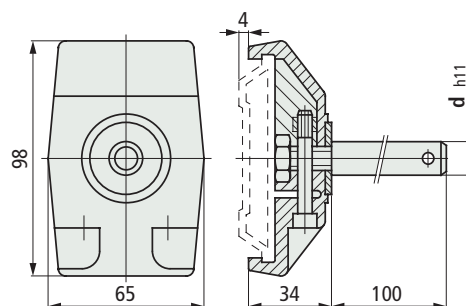
- Part. 296

### • Assembly of Part. 298

- 1) Untighten the screws
- 2) Clip on to the profile
- 3) Slide along the guide to the desired position and tighten screws to lock in place.



### ■ Guide-rail clamp



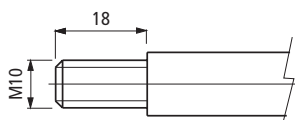
| Part. | Pin dia.<br>d<br>mm | Code  | Weight<br>kg |
|-------|---------------------|-------|--------------|
|       | 12                  | 60372 | 0,12         |
| 298   | 14                  | 60382 | 0,25         |
|       | 16                  | 60392 | 0,29         |

- Material : guide rail clamp in reinforced polyamide PA FV (black).
- Pin in stainless steel AISI 303. Washer in stainless steel AISI 304. Nut in nickel plated brass.
- Packaging : 50 pieces.
- Suitable to use in curves also

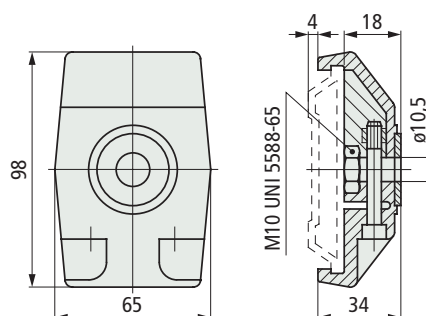
## Part. 298



### • Pin dimensions for Part. 298



### ■ Guide-rail clamp



| Part. | Code  | Weight<br>kg |
|-------|-------|--------------|
| 298   | 60362 | 0,12         |

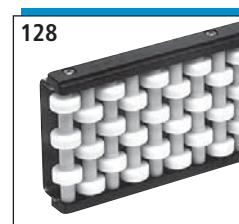
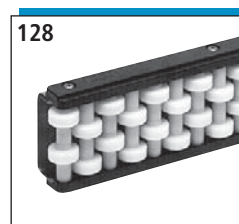
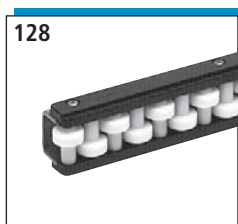
- Material : guide rail clamp in reinforced polyamide PA FV (black). Washer and tightening screws in stainless steel AISI 304. Nuts in nickel plated brass.
- Packaging : 50 pieces.
- Suitable to use in curves also

## Part. 298



## Guide-rail clamps for

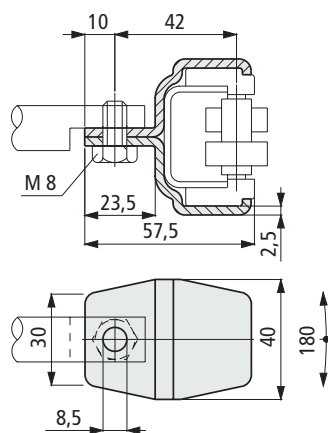
- Part. 128 S
- Part. 128



## Part. 373



### ■ Guide-rail clamp



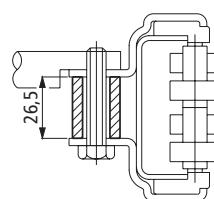
| Part. | Material                 | Code  | Weight<br>kg |
|-------|--------------------------|-------|--------------|
| 373   | Stainless steel AISI 304 | 63506 | 0,11         |
|       | Zinc plated steel        | 64156 |              |

- Packaging : 50 pieces.
- Suitable to use in curves also.

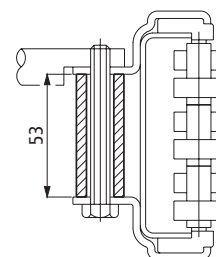
### • Assembly of Part. 373

For the use of double and triple execution rails it is necessary a spacer.

Spacer for double execution guide rail

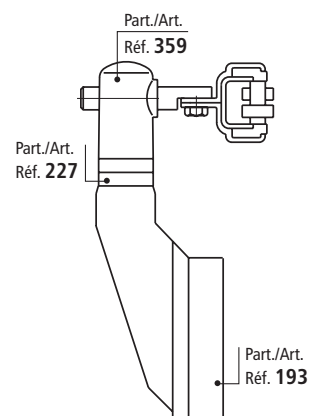
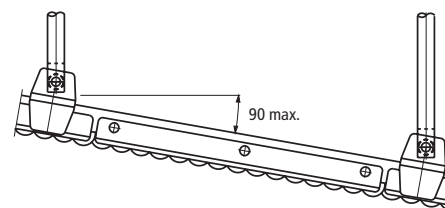


Spacer for triple execution guide rail



Spacer not included

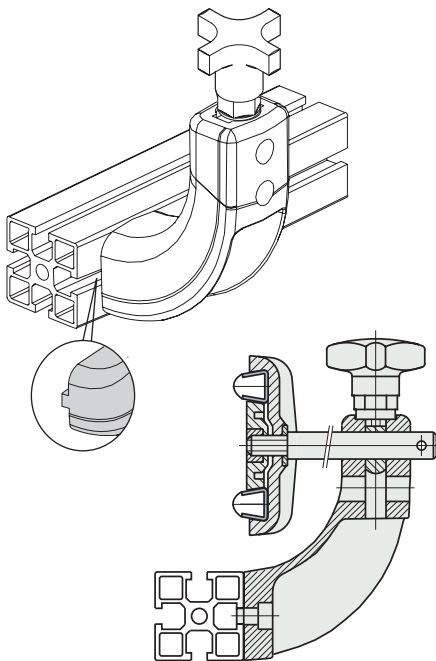
The clamp allow the guide to be mounted at an angle



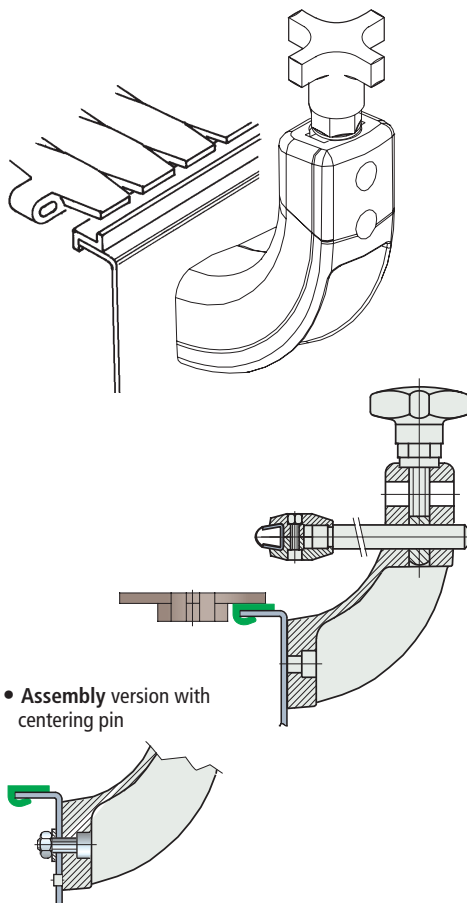
## • Characteristics of Part. 708

- Bracket with a reduced structure-connecting size.
- Available with positioning guide for an easy assembly on aluminium sections.
- The two holes allows to position the guide-rail bracket in two different heights depending on specific requirements.

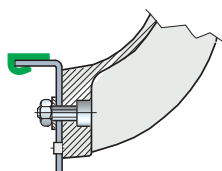
## • Assembly version with positioning guide



## • Assembly version without positioning guide

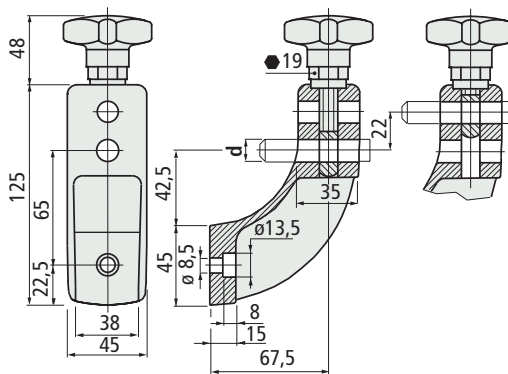


## • Assembly version with centering pin

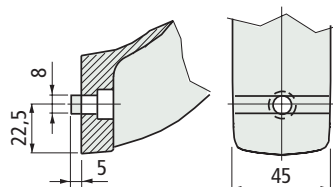


## ■ Bracket with two holes

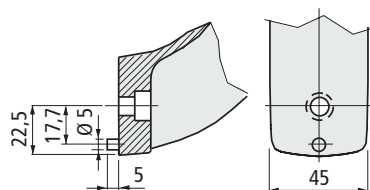
### Version without positioning guide



### Version with positioning guide



### Version with centering pin



| Part.                             | Pin dia.<br>d<br>mm | Code   | Weight<br>Kg |
|-----------------------------------|---------------------|--------|--------------|
| Version without positioning guide |                     |        |              |
| 708                               | 12                  | 692502 | 0,23         |
|                                   | 14                  | 693092 |              |
|                                   | 16                  | 692512 |              |
| Version with positioning guide    |                     |        |              |
| 708                               | 12                  | 692482 | 0,23         |
|                                   | 14                  | 693082 |              |
|                                   | 16                  | 692492 |              |
| Version with centering pin        |                     |        |              |
| 708                               | 12                  | 605603 | 0,23         |
|                                   | 14                  | 605613 |              |
|                                   | 16                  | 605623 |              |

- Material : bracket and knob in reinforced polyamide PA FV (black). Hexagonal insert (for 19 mm wrench) in nickel plated brass. Eyebolt in stainless steel AISI 304.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 50 pieces.

**Part. 708**

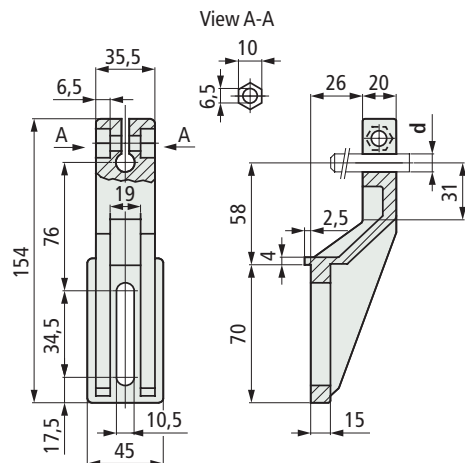


*New  
Product*

## Part. 81



### Bracket



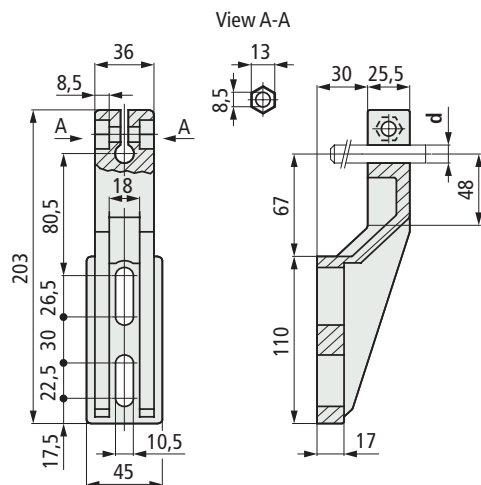
| Part. | Material                | Pin dia.<br>d<br>mm | Code   | Weight<br>kg |
|-------|-------------------------|---------------------|--------|--------------|
| 81    | Polyamide PA<br>(black) | 12                  | 50770  | 0,11         |
|       |                         | 14                  | 50780* |              |

- Standard packaging : supplied without tightening bolt.
- Tightening bolt required : bolt M6 x 25 UNI 5931, DIN 912. Nut M6 UNI 5587-68.
- Max recommended tightening torque : 0,6 Kgm.
- Packaging : 50 pieces.

## Part. 72



### Bracket

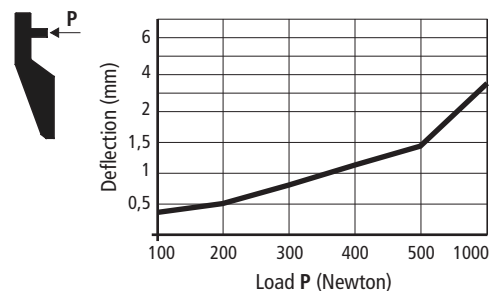


| Part. | Material                                 | Pin dia.<br>d<br>mm | Code   | Weight<br>kg |
|-------|------------------------------------------|---------------------|--------|--------------|
| 72    | Polyamide PA<br>(black)                  | 14                  | 50790  | 0,17         |
|       |                                          | 16                  | 50800  |              |
|       | Reinforced polypropylene<br>PP FV (nero) | 14                  | 57120  | 0,17         |
|       |                                          | 16                  | 57130* |              |

- Standard packaging : supplied without tightening bolt.
- Tightening bolt required : bolt M8 x 25 UNI 5931, DIN 912. Nut M8 UNI 5587-68.
- Max recommended tightening torque : 1 Kgm.
- Packaging : 50 pieces.

\*= items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

### Deflection of Part. 81



### Technical data Part. 81

- Sliding load resistance :

1020 N (with d = 12)  
2000 N (with d = 14)

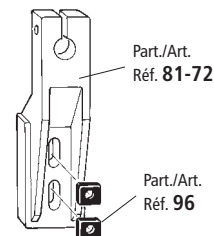
- Breaking load :

2500 N

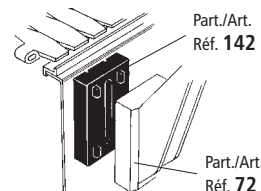
Tests performed at tightening torque : 0,6 Kgm

### Accessories

Square washer Part. 96, see page S141. Applicable to Part. 81-72 distributes force from tightening over larger area.

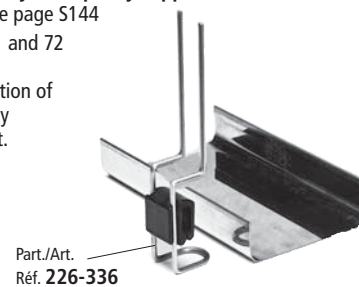


Spacer Part. 142, see page S142. Applicable to Part. 72

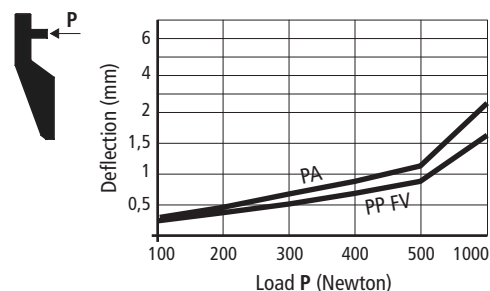


### Assembly of drip tray support Part. 226-336, see page S144

Part. 81 and 72 permit application of drip tray support.



### Deflection of Part. 72



### Technical data Part. 72

- Sliding load resistance :

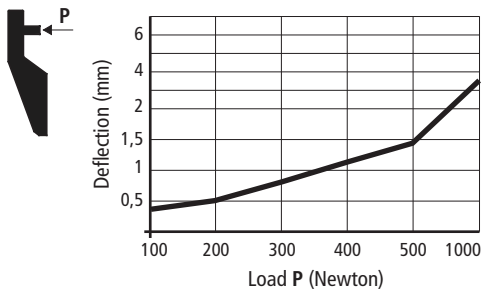
Material in PA  
2700 N (with d = 14)  
2200 N (with d = 16)  
Material in PP FV  
800 N (with d = 14)  
600 N (with d = 16)

- Breaking load :

Material in PA  
2700 N  
Material in PP FV  
2200 N

Tests performed at tightening torque : 1 Kgm

## • Deflection of Part. 88



## • Technical data Part. 88

- Sliding load resistance :

- Breaking load :



1400 N (with d = 12)  
2000 N (with d = 14)

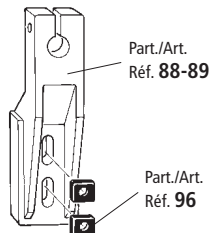


2500 N

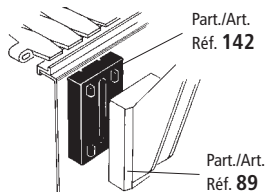
Tests performed at tightening torque : 0,6 Kgm

## • Accessories

Square washer Part. 96, see page S141.  
Applicable to Part. 88-89 distributes force from tightening over larger area.

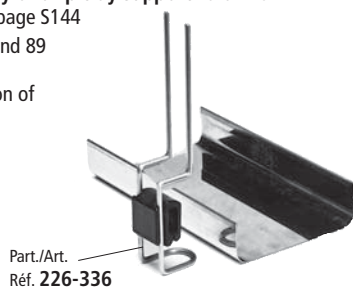


Spacer Part. 142, see page S142.  
Applicable to Part. 89

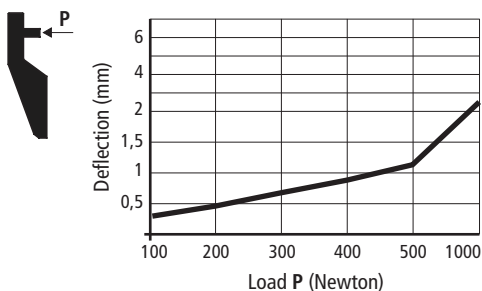


## • Assembly of drip tray support Part. 226-336, see page S144

Part. 88 and 89 permit application of drip tray support.



## • Deflection of Part. 89



## • Technical data Part. 89

- Sliding load resistance :

- Breaking load :



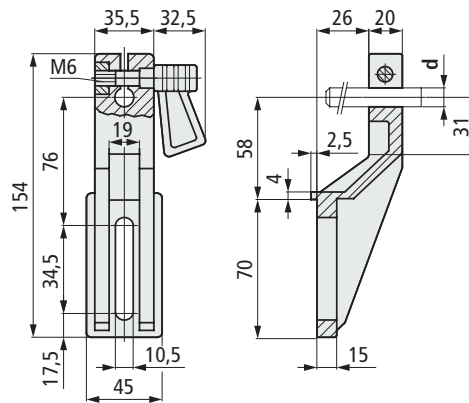
1450 N (with d = 12)  
1300 N (with d = 14)  
1100 N (with d = 16)



2700 N

Tests performed at tightening torque : 0,6 Kgm

## ■ Bracket with ratchet handle clamping



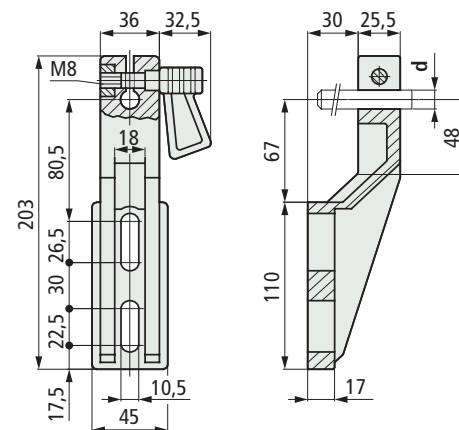
| Part. | Material             | Pin dia.<br>d<br>mm | Code  | Weight<br>kg |
|-------|----------------------|---------------------|-------|--------------|
| 88    | Polyamide PA (black) | 12                  | 50730 | 0,15         |
|       |                      | 14                  | 50740 |              |

- Ratchet lever material : grip in acetal POM (black), threaded shank in stainless steel AISI 303, fixing nut in nickel plated brass.
- Max recommended tightening torque : 0,6 Kgm.
- Packaging : 50 pieces.

## Part. 88



## ■ Bracket with ratchet handle clamping



| Part. | Material             | Pin dia.<br>d<br>mm | Code  | Weight<br>kg |
|-------|----------------------|---------------------|-------|--------------|
| 89    | Polyamide PA (black) | 12                  | 69705 | 0,22         |
|       |                      | 14                  | 50750 |              |
|       |                      | 16                  | 50760 |              |

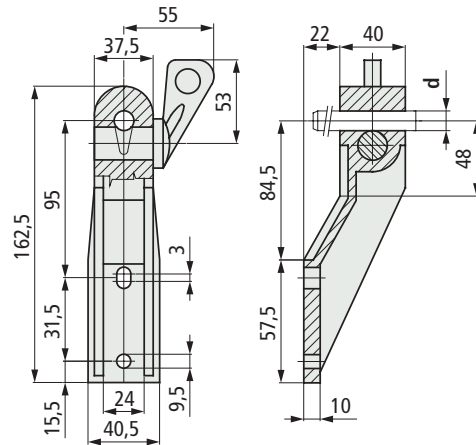
- Ratchet lever material : grip in acetal POM (black), threaded shank in stainless steel AISI 303, fixing nut in nickel plated brass.
- Max recommended tightening torque : 0,6 Kgm.
- Packaging : 50 pieces.

## Part. 89



## Part. 85

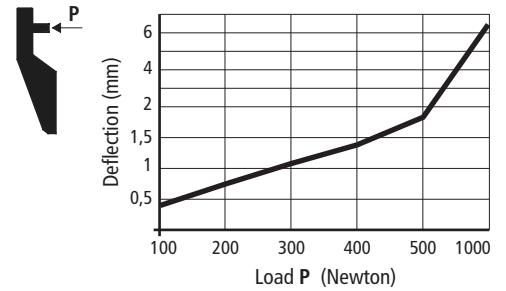
### Bracket with eccentric lever



| Part. | Material                               | pin dia.<br>d<br>mm | Code  | Weight<br>kg |
|-------|----------------------------------------|---------------------|-------|--------------|
| 85    | Reinforced polypropylene PP FV (black) | 12                  | 50810 | 0,13         |
|       |                                        | 14                  | 50820 |              |

- Packaging : 50 pieces.

#### Deflection of Part. 85



#### Technical data Part. 85

- Sliding load resistance :

- Breaking load:

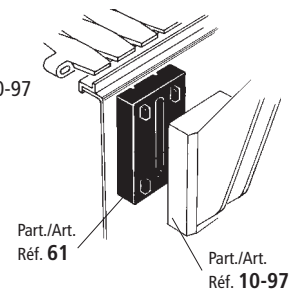
360 N (with d = 12-14)

1200 N

#### Accessories

Spacer Part. 61,  
see page S142.

Applicable to Part. 10-97

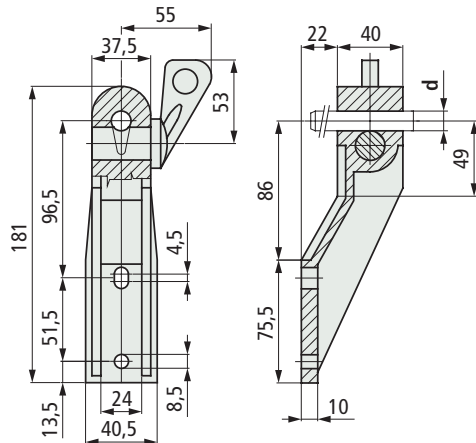


#### Assembly of drip tray support Part. 226-336, see page S130.

Part. 85-10-97 permit application of drip tray support.

## Part. 10-97

### Bracket with eccentric lever

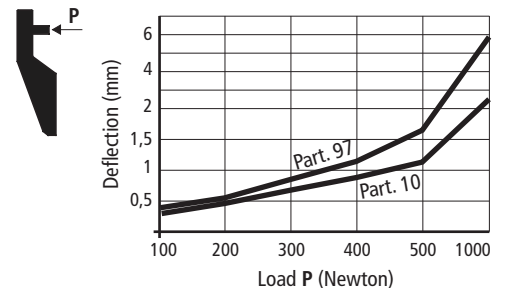


| Part. | Material                               | Pin dia.<br>d<br>mm | Code  | Weight<br>kg |
|-------|----------------------------------------|---------------------|-------|--------------|
| 10    | Reinforced polyamide PA FV (black)     | 14                  | 50840 | 0,14         |
| 97    | Reinforced polypropylene PP FV (black) | 12                  | 50850 | 0,14         |
|       |                                        | 14                  | 50860 |              |

- Packaging : 50 pieces.



#### Deflection of Part. 10-97



#### Technical data Part. 10-97

- Sliding load resistance :

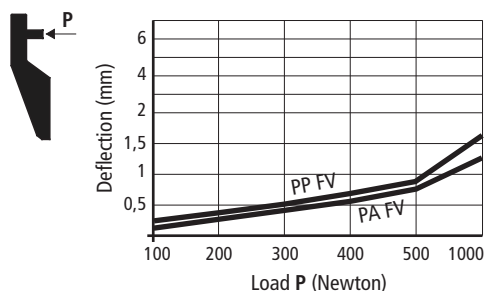
- Breaking load :

Material in PA FV  
700 N (with d = 14)  
Material in PP FV  
360 N (with d = 12-14)

Material in PA FV  
2800 N  
Material in PP FV  
1200 N



## • Deflection of Part. 107



## • Technical data Part. 107

- Sliding load resistance :

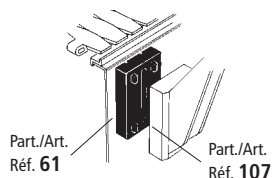
- Breaking load :

|                      |                   |
|----------------------|-------------------|
| Material in PA FV    | Material in PA FV |
| 2000 N (with d = 12) | 4500 N            |
| 3200 N (with d = 14) |                   |
| Material in PP FV    | Material in PP FV |
| 1300 N (with d = 12) | 3300 N            |
| 1700 N (with d = 14) |                   |

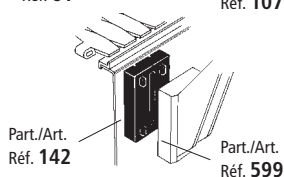
Tests performed at tightening torque : 4 Kgm

## • Accessories

Spacer Part. 61,  
see page S142.  
Applicable to Part. 107

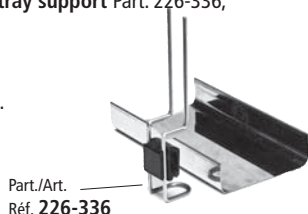


Spacer Part. 142,  
see page S142.  
Applicable to Part. 599



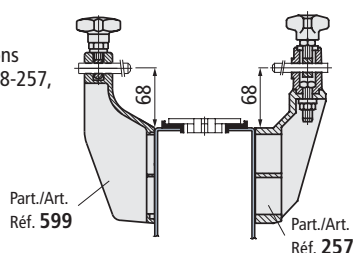
## • Assembly of drip tray support Part. 226-336, see page S144.

Part. 107 e 599  
permit application  
of drip tray support.

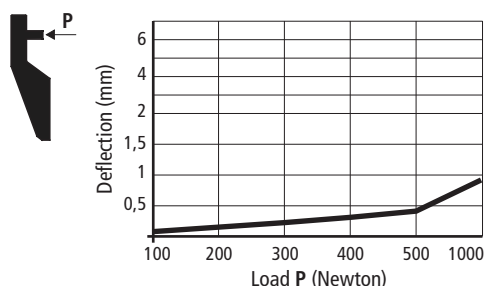


## • Use Part. 599

Same dimensions  
as Part. 163-178-257,  
can be used  
alternatively.



## • Deflection of Part. 599



## • Technical data Part. 599

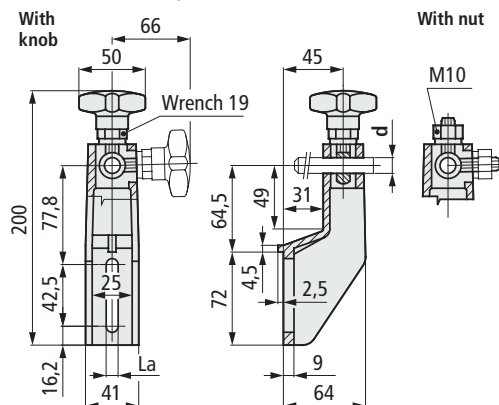
- Sliding load resistance :

- Breaking load :

|                      |        |
|----------------------|--------|
| 2000 N (with d = 12) | 3000 N |
|----------------------|--------|

Tests performed at tightening torque : 4 Kgm

## ■ Bracket with eyebolt

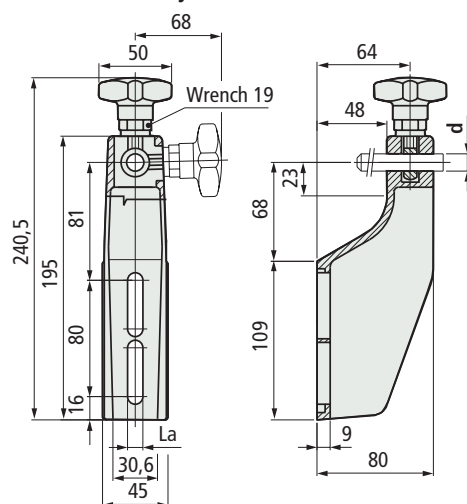


| Part. | Material                       | Pin dia.<br>d<br>mm | Code                     |                             |                                |
|-------|--------------------------------|---------------------|--------------------------|-----------------------------|--------------------------------|
|       |                                |                     | With Microban®<br>La = 9 | Without Microban®<br>La = 9 | Without Microban®<br>La = 10,5 |
| 107   | Reinforced polyamide PA FV     | 12                  | 652052                   | 50710                       | 68200                          |
|       |                                | 14                  | —                        | 67811                       | 67821                          |
|       |                                | 16                  | —                        | 655512                      | 655522                         |
| 107   | Reinforced polypropylene PP FV | 12                  | —                        | 59121*                      | 59131*                         |
|       |                                | 14                  | —                        | 67831*                      | 67841*                         |
|       |                                | 16                  | —                        | 655532                      | 655542                         |
| 107   | Reinforced polyamide PA FV     | 12                  | —                        | 57341*                      | 57351                          |
|       |                                | 14                  | —                        | 67771*                      | 67781                          |
|       |                                | 16                  | —                        | 655552                      | 655562                         |
| 107   | Reinforced polypropylene PP FV | 12                  | —                        | 59141                       | 59151*                         |
|       |                                | 14                  | —                        | 67791                       | 67801                          |
|       |                                | 16                  | —                        | 655572                      | 655582                         |

• = Knob supplied without exagonal nut for wrench 19 mm (economical version).

- Material : knob in reinforced polyamide, exagonal insert (for 19 mm wrench) in nickel plated brass, tightening nut and eyebolt in stainless steel AISI 304.
- Colour : grey (with Microban®), black (without Microban®).
- Weight : 0,15 Kg.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 50 pieces.

## ■ Bracket with eyebolt



| Part. | Material                   | Pin dia.<br>d<br>mm | Code   |           | Weight |
|-------|----------------------------|---------------------|--------|-----------|--------|
|       |                            |                     | La = 9 | La = 10,5 |        |
| 599   | Reinforced polyamide PA FV | 12                  | 611293 | 613572    | 0,11   |
|       |                            | 16                  | 611303 | 655592    |        |

- Material : knob in reinforced polyamide (black), exagonal insert (for 19 mm wrench) in nickel plated brass, eyebolt in stainless steel AISI 304.
- Colour : black.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 50 pieces.

## Part. 107



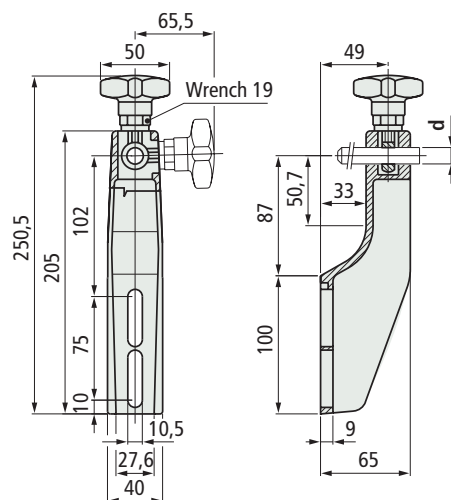
## Part. 599



\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

## Part. 617

### Bracket with eyebolt

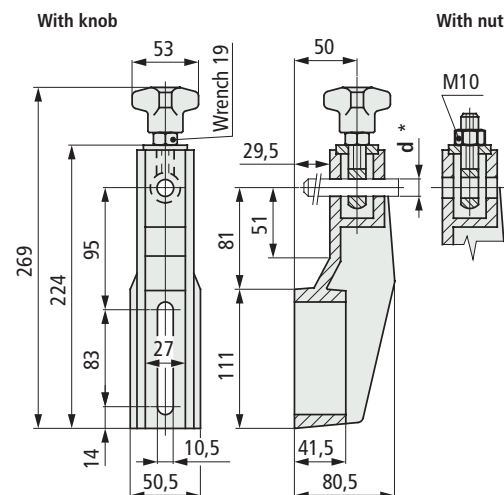


| Part. | Material                           | Pin dia.<br>d<br>mm | Code   | Weight<br>kg |
|-------|------------------------------------|---------------------|--------|--------------|
| 617   | Reinforced polyamide PA FV (black) | 12                  | 613562 | 0,18         |
|       |                                    | 16                  | 655602 |              |

- Material : knob in reinforced polyamide (black), exagonal insert (for 19 mm wrench) in nickel plated brass, eyebolt in stainless steel AISI 304.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 50 pieces.

## Part. 140

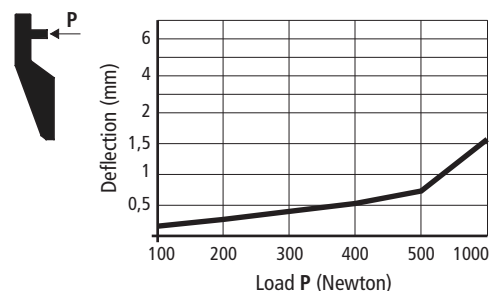
### Bracket with eyebolt



| Part. | Pin dia.<br>d<br>mm | Version   | Code  | Weight<br>kg |
|-------|---------------------|-----------|-------|--------------|
| 140   | 14÷16               | with knob | 66690 | 0,47         |
|       |                     | with nut  | 57421 | 0,47         |

- \* = The bracket can be used with dia. 14 and dia. 16 mm pins.
- Material : bracket and knob in reinforced polyamide (black), exagonal nut and eyebolt in stainless steel AISI 304.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 25 pieces.

### Deflection of Part. 617



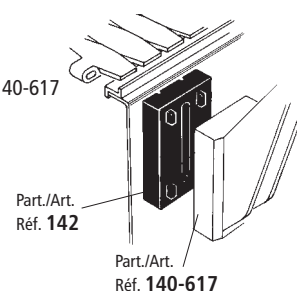
### Technical data Part. 617

- Sliding load resistance : 2000 N (with d = 12)
- Breaking load : 3000 N

Tests performed at tightening torque : 4 Kgm

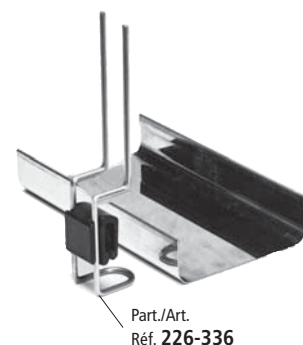
### Accessories

Spacer Part. 142, see page S142.  
Applicable to Part. 140-617

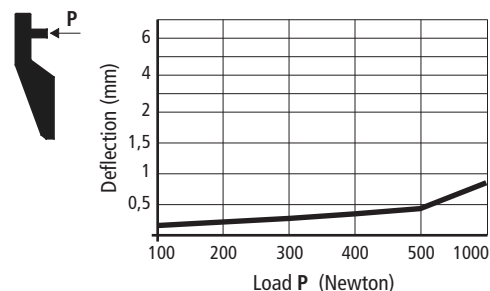


### Assembly of drip tray support Part. 226-336, see page S144

Part. 140-617 permit application of drip tray support.



### Deflection of Part. 140

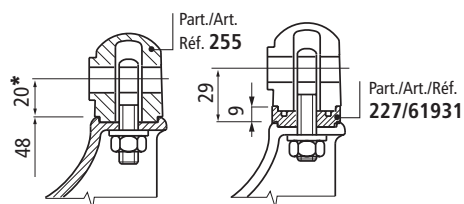


### Technical data Part. 140

- Sliding load resistance : 3000 N (with d = 14-16)
- Breaking load : 12000 N

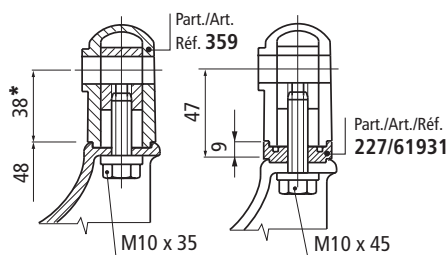
Tests performed at tightening torque : 4 Kgm

- **Assembly** with swivel head Part. 255



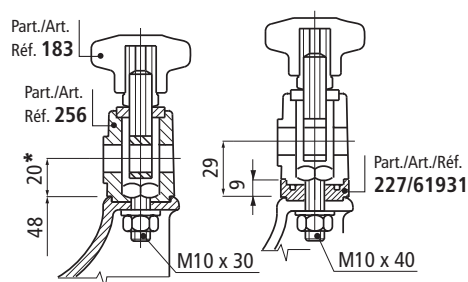
\* = To increase the height (by 9 mm) use 1 spacer Part. 227 code 61931. The length of the thread allows for only 1 spacer.

- **Assembly with swivel head** Part. 359



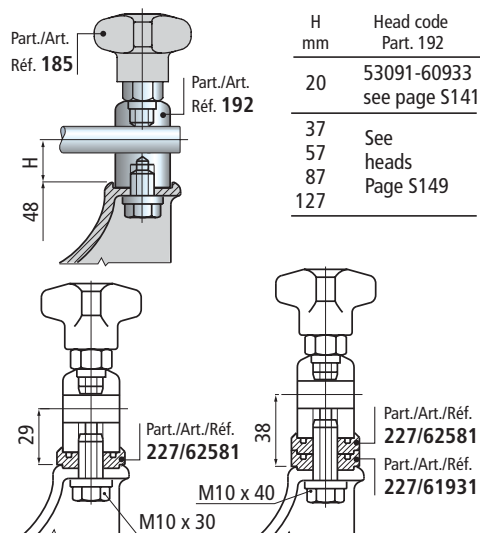
\* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931. To use the spacer it is necessary a longer screw.

- **Assembly with swivel head** Part. 256



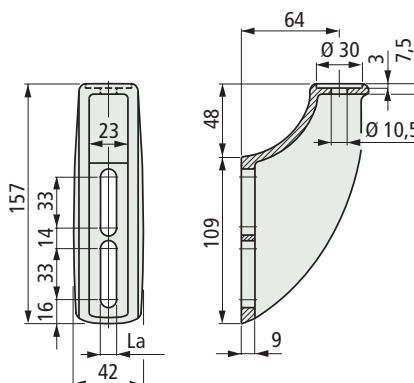
\* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931. To use the spacer it is necessary a longer screw.

- **Assembly with swivel head Part. 192**



To use the spacer Part. 227, it is necessary a longer screw.

■ Adjustable bracket



| Part. | La<br>mm | Code    | Weight<br>kg |
|-------|----------|---------|--------------|
| 632   | 9        | 605263* | 0,21         |
|       | 10,5     | 647142  |              |

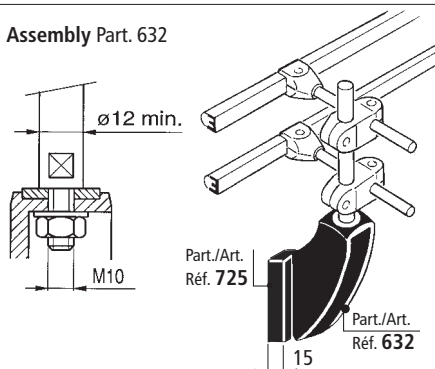
\* = New product

- Material : reinforced polyamide PA FV (black)

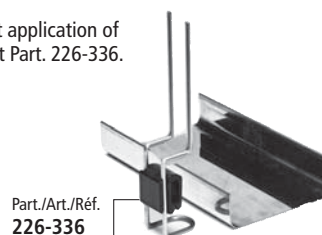
- Packaging : 50 pieces.

- Accessories : spacer Part. 725.

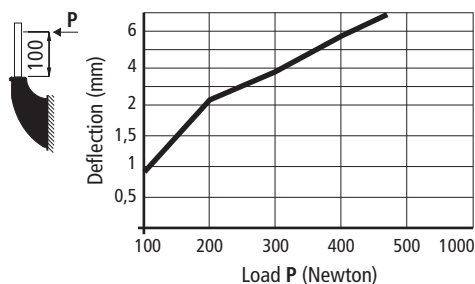
- **Assembly Part. 632**



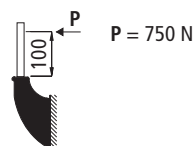
- Part. 632 permit application of drip tray support Part. 226-336.



- **Deflection of Part. 632**



- Breaking load  $P$



## Part. 632



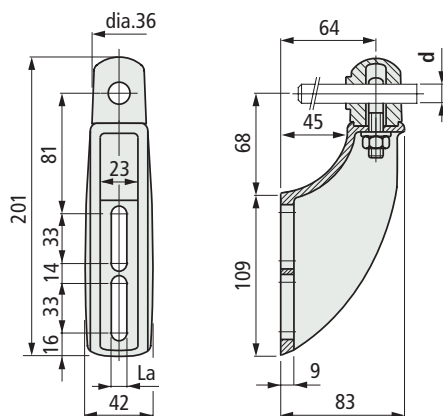
### Replace part. 193

## Part. 635



Replace part. 163

### Adjustable bracket



| Part. | Pin dia.<br>d<br>mm | Code<br>La=9 mm | Code<br>La=10,5 mm | Weight<br>kg |
|-------|---------------------|-----------------|--------------------|--------------|
| 635   | 12                  | 610893*         | 648312             | 0,30         |
|       | 14                  | 610903*         | 648322             |              |
|       | 16                  | 610913*         | 648332             |              |

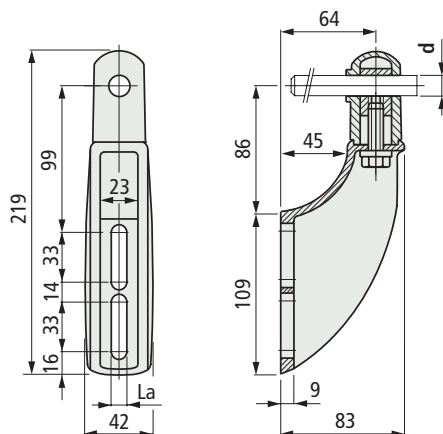
\* = New product

- Material : bracket and swivel head in reinforced Polyamide PA FV (black). Eyebolt and tightening nut in stainless steel AISI 304.
- Operation : by untightening the nut, the position of the top and the pin can be adjusted.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 50 pieces.

## Part. 636



### Adjustable bracket

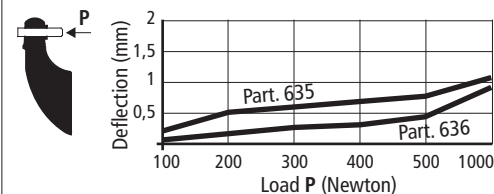


| Part. | Pin dia.<br>d<br>mm | Code<br>La=9 mm | Code<br>La=10,5 mm | Weight<br>kg |
|-------|---------------------|-----------------|--------------------|--------------|
| 636   | 12                  | 610923*         | 648342             | 0,30         |
|       | 14                  | 610933*         | 648352             |              |
|       | 16                  | 610943*         | 648362             |              |

\* = New product

- Material : bracket and swivel head in reinforced Polyamide PA FV (black), eyebolt in nickel plated brass, tightening screw in stainless steel AISI 304.
- Operation : by untightening the screw, the position of the top and the pin can be adjusted.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 50 pieces.

### Deflection of Part. 635 - 636



### Technical data Part. 635 - 636

- Sliding load resistance :

- Breaking load :



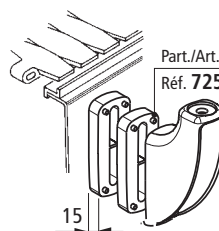
Part. 635  
2000 N (with d = 12)  
3000 N (with d = 14-16)  
Part. 636  
2000 N (with d = 12)  
2500 N (with d = 14-16)



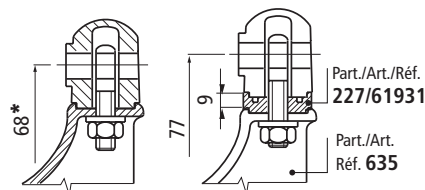
Part. 635  
4000 N  
Part. 636  
3000 N

Tests performed at tightening torque : 4 Kgm

- Part. 635-636 permit application of 1 or more spacer Part. 725.

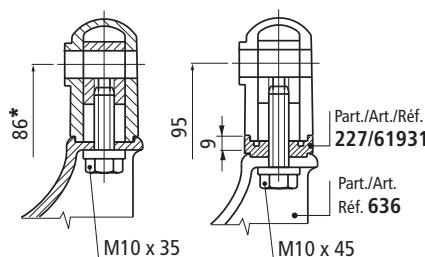


- Part. 635 permit application of spacer Part. 227. See page S141.



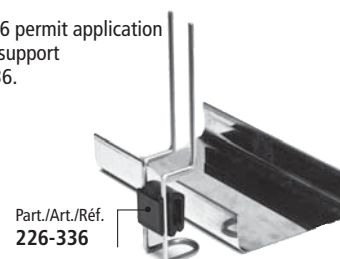
- \* = To increase the height (by 9 mm) use 1 spacer Part. 227 code 61931. The length of the thread allows for only 1 spacer.

- Part. 636 permit application of spacer Part. 227. See page S141.

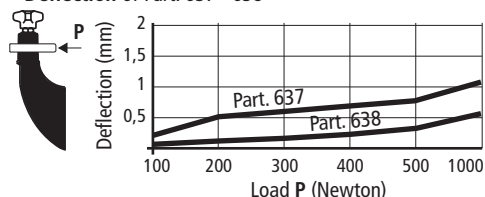


- \* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931. To use the spacer Part. 227 it is necessary a longer screw.

- Part. 635-636 permit application of drip tray support Part. 226-336.



## Deflection of Part. 637 - 638



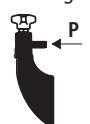
## Technical data Part. 637 - 638

- Sliding load resistance :



Part. 637  
2000 N (with d = 12)  
3000 N (with d = 14-16)  
Part. 638  
No sliding

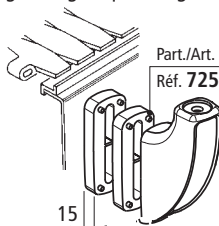
- Breaking load :



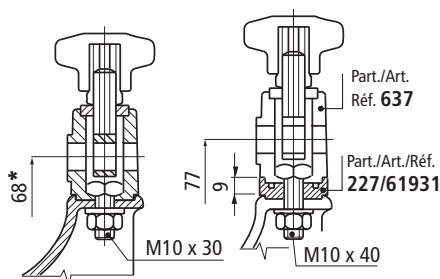
Part. 637  
4000 N  
Part. 638  
3500 N

Tests performed at tightening torque : 4 Kgm

- Part. 637-638 permit application of 1 or more spacer Part. 725.

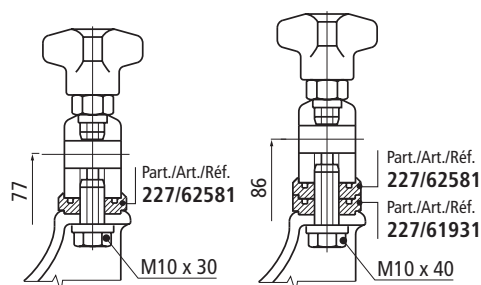


- Part. 637 permit application of spacer Part. 227. See page S141.



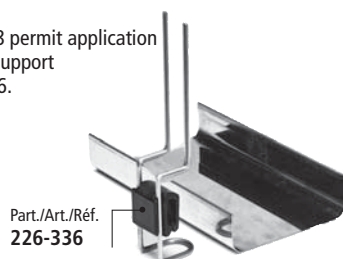
\* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931. To use the spacer it is necessary a longer screw.

- Part. 638 permit application of spacer Part. 227. See page S141.

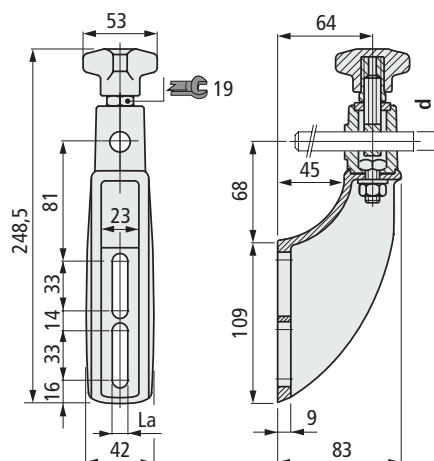


To use the spacer Part. 227 it is necessary a longer screw.

- Part. 637-638 permit application of drip tray support Part. 226-336.



## Adjustable bracket



| Part. | Pin dia.<br>d<br>mm | Code<br>La=9 mm | Code<br>La=10,5 mm | Weight<br>kg |
|-------|---------------------|-----------------|--------------------|--------------|
| 637   | 12                  | 605423*         | 648372             | 0,40         |
|       | 14                  | 605433*         | 648382             |              |
|       | 16                  | 605443*         | 648392             |              |

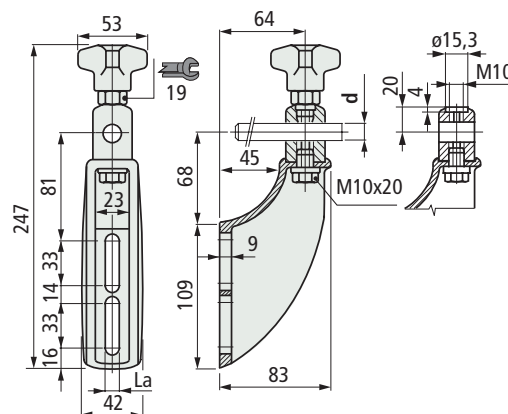
\* = New product

- Material : bracket, swivel head and knob in reinforced polyamide (black), hexagonal insert (for 19 mm wrench) in nickel plated brass, eyebolt and tightening nuts/bolt in stainless steel AISI 304.
- Operation : by untightening the bolt, the position of the top can be adjusted. By untightening the knob, the position of the pin can be adjusted.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 50 pieces.

## Adjustable bracket

With knob

Without knob



| Part.        | Pin dia.<br>d<br>mm | Swivel head material     | Code    | Code       | Weight<br>kg |
|--------------|---------------------|--------------------------|---------|------------|--------------|
|              |                     |                          | La=9 mm | La=10,5 mm |              |
| With knob    |                     |                          |         |            |              |
| 638          | 14÷16               | Stainless steel AISI 303 | 610953* | 648402     | 0,50         |
|              |                     | Nickel plated brass      | 610963* | 648412     |              |
| Without knob |                     |                          |         |            |              |
| 638          | 14÷16               | Stainless steel AISI 303 | 610973* | 648422     | 0,50         |
|              |                     | Nickel plated brass      | 610983* | 648432     |              |

\* = New product

- The bracket can be used with dia. 14 and dia. 16 mm pins.
- Material : bracket and knob in reinforced Polyamide PA FV (black), hexagonal insert (for 19 mm wrench) in nickel plated brass, tightening nuts/bolt in stainless steel AISI 304.
- Operation : by untightening the bolt, the position of the top can be adjusted. By untightening the knob, the position of the pin can be adjusted.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 50 pieces.

## Part. 637



Replace part. 257

## Part. 638



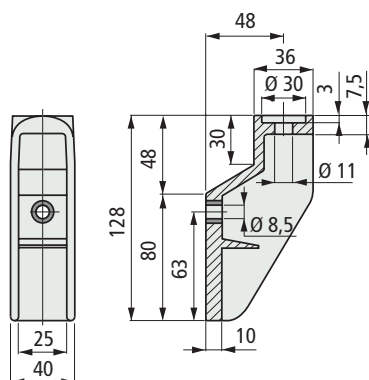
Replace part. 178

Stainless steel and brass swivel head



# Part. 648

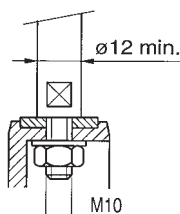
## Adjustable bracket



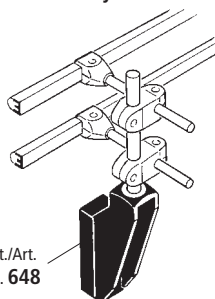
| Part. | Material                           | Code   | Weight kg |
|-------|------------------------------------|--------|-----------|
| 648   | Reinforced polyamide PA FV (black) | 653112 | 0,12      |

- Packaging : 50 pieces.

### Pin dimensions for Part. 648

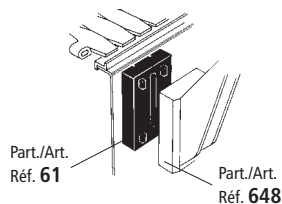


### Assembly of Part. 648

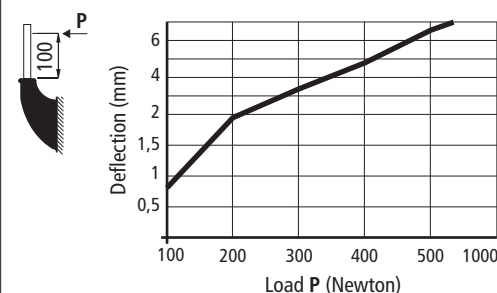


### Accessories

Spacer Part. 61, see page S142.  
Applicable to Part. 648

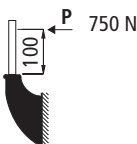


### Deflection of Part. 648

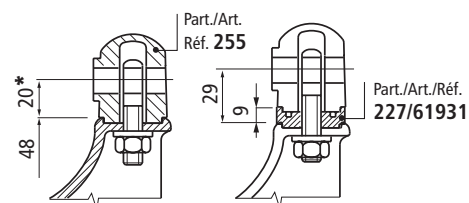


### Technical data Part. 648

- Breaking load : 750 N

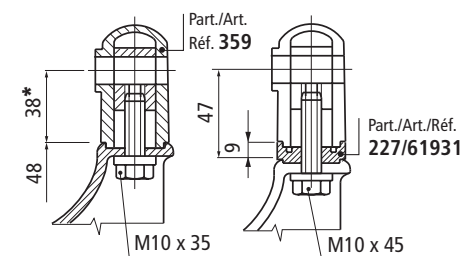


### Assembly with swivel head Part. 255



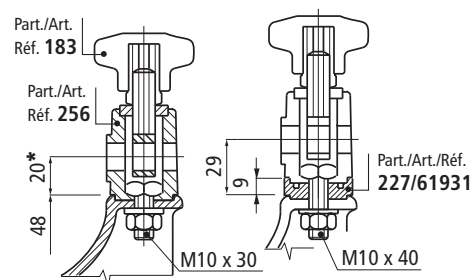
\* = To increase the height (by 9 mm) use 1 spacer Part. 227 code 61931. The length of the thread allows for only 1 spacer.

### Assembly with swivel head Part. 359



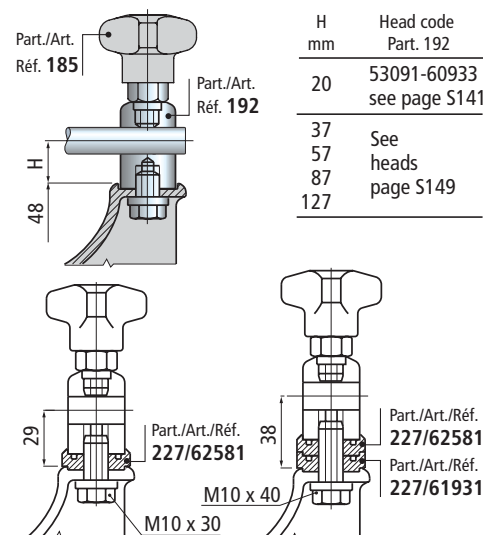
\* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931.  
To use the spacer it is necessary a longer screw.

### Assembly with swivel head Part. 256



\* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931.  
To use the spacer it is necessary a longer screw.

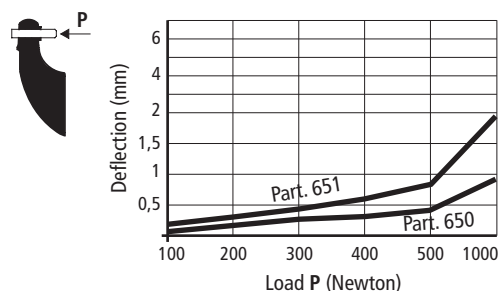
### Assembly with swivel head Part. 192



To use the spacer Part. 277 it is necessary a longer screw.



## • Deflection of Part. 650 - 651



## • Technical data Part. 650 - 651

- Sliding load resistance :

- Breaking load :



Part. 650  
2000 N (with d = 12)  
3000 N (with d = 14-16)  
Part. 651  
1500 N (with d = 12-14-16)

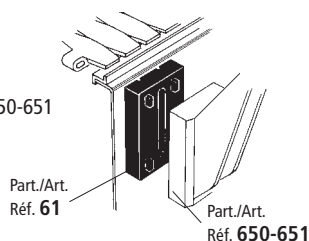


Part. 650  
4000 N  
Part. 651  
2000 N

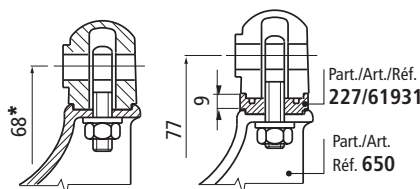
Tests performed at tightening torque : 4 Kgm

## • Accessories

Spacer Part. 61,  
see page S142.  
Applicable to Part. 650-651

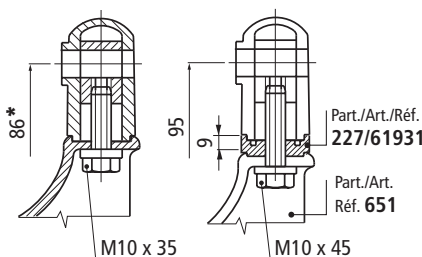


- Part. 650 permit application of spacer Part. 227. See page S141.



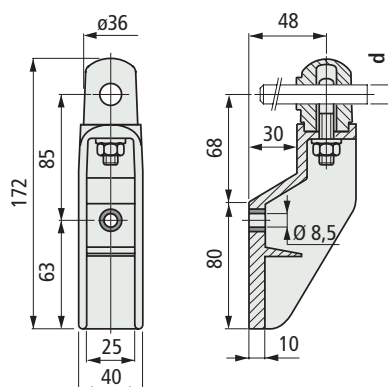
\* = To increase the height (by 9 mm) use 1 spacer Part. 227 code 61931. The length of the thread allows for only 1 spacer.

- Part. 651 permit application of spacer Part. 227. See page S141



\* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931.  
To use the spacer it is necessary a longer screw.

## ■ Adjustable bracket



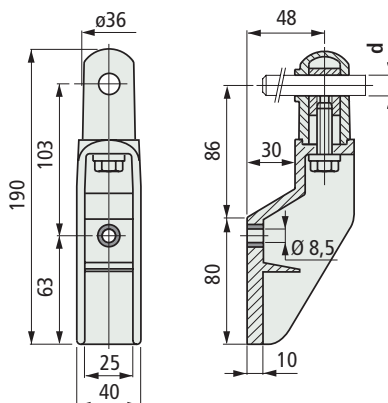
| Part. | Material                           | Pin dia.<br>d<br>mm | Code   | Weight<br>kg |
|-------|------------------------------------|---------------------|--------|--------------|
| 650   | Reinforced polyamide PA FV (black) | 12                  | 653802 | 0,19         |
|       |                                    | 14                  | 653812 |              |
|       |                                    | 16                  | 653822 |              |

- Material : swivel head in reinforced polyamide (black), tightening nut and eyebolt in stainless steel AISI 304.
- Operation : by untightening the nut, the position of the top and the pin can be adjusted.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 50 pieces.

## Part. 650



## ■ Adjustable bracket



| Part. | Material                           | Pin dia.<br>d<br>mm | Code   | Weight<br>kg |
|-------|------------------------------------|---------------------|--------|--------------|
| 651   | Reinforced polyamide PA FV (black) | 12                  | 653832 | 0,26         |
|       |                                    | 14                  | 653842 |              |
|       |                                    | 16                  | 653852 |              |

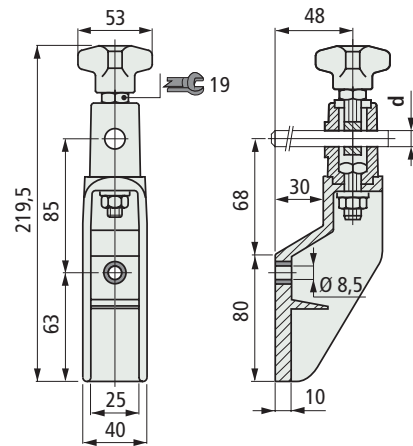
- Material : bracket and swivel head in reinforced polyamide (black), eyebolt in nickel plated brass, tightening screw in stainless steel AISI 304.
- Operation : by untightening the screw, the position of the top and the pin can be adjusted.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 50 pieces.

## Part. 651



# Part. 652

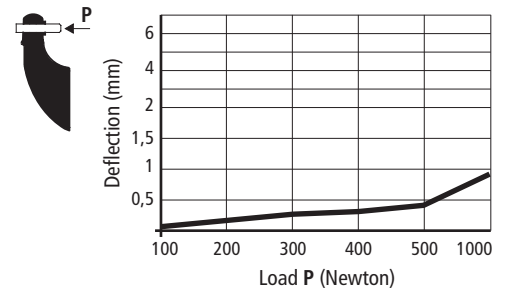
## Adjustable bracket



| Part. | Material                              | pin dia.<br>d<br>mm | Code   | Weight<br>kg |
|-------|---------------------------------------|---------------------|--------|--------------|
| 652   | Reinforced<br>polyamide PA FV (black) | 12                  | 653862 | 0,31         |
|       |                                       | 14                  | 653872 |              |
|       |                                       | 16                  | 653882 |              |

- Material : swivel head and knob in reinforced polyamide PA FV (black), hexagonal insert (for 19 mm wrench) in nickel plated brass, eyebolt and tightening nuts/bolt in stainless steel AISI 304.
- Operation : by untightening the bolt, the position of the top can be adjusted. By untightening the knob, the position of the pin can be adjusted.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 50 pieces.

### Deflection of Part. 652



### Technical data Part. 652

- Sliding load resistance :

2000 N (with d = 12)  
3000 N (with d = 14-16)

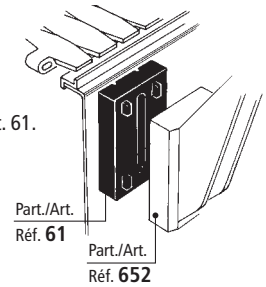
- Breaking load :

4000 N

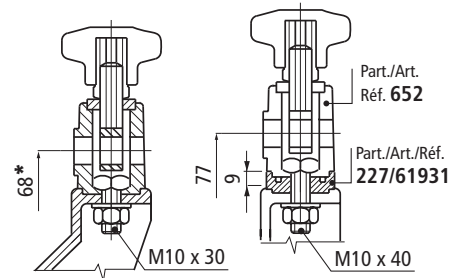
Tests performed at tightening torque : 4 Kgm

### Accessories

Part. 652 permit application of 1 or more spacer Part. 61.

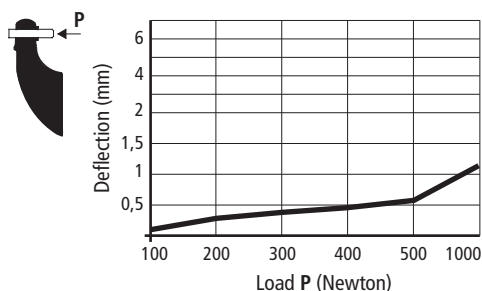


- Part. 652 permit application of spacer Part. 227. See page 5141.



\* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931.  
To use the spacer it is necessary a longer screw.

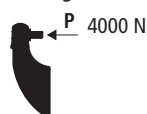
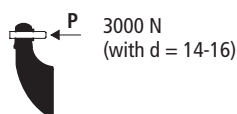
## • Deflection of Part. 652 - 653



## • Technical data Part. 653

- Sliding load resistance :

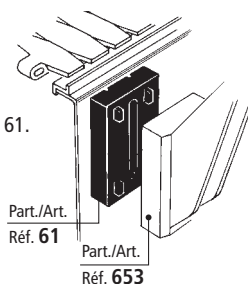
- Breaking load :



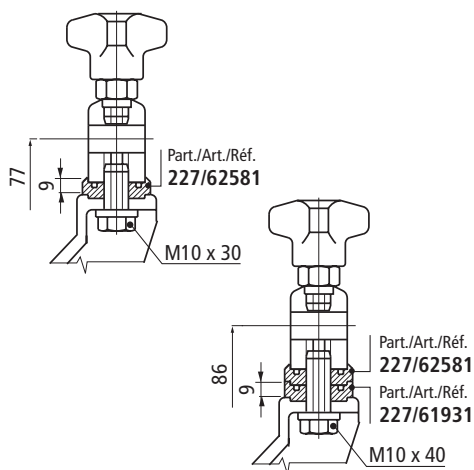
Tests performed at tightening torque : 4 Kgm

## • Accessories

Part. 653  
permit application  
of 1 or more spacer Part. 61.



- Part. 653 permit application of spacer Part. 227.  
See page S141.

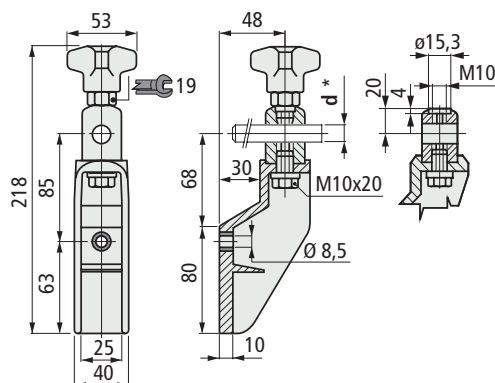


To use the spacer Part. 277 it is necessary a longer screw.

## ■ Adjustable bracket

With knob

Without knob



| Part.          | Pin dia.<br>d * | Swivel head material     | Code   | Weight<br>kg |
|----------------|-----------------|--------------------------|--------|--------------|
| • With knob    |                 |                          |        |              |
| 653            | 14÷16           | Stainless steel AISI 303 | 653892 | 0,41         |
|                |                 | Nickel plated brass      | 653902 |              |
| • Without knob |                 |                          |        |              |
| 653            | 14÷16           | Stainless steel AISI 303 | 653912 | 0,41         |
|                |                 | Nickel plated brass      | 653922 |              |

- \* = The bracket can be used with dia. 14 and dia. 16 mm pins.
- Material : bracket and knob in reinforced Polyamide PA FV (black), hexagonal insert (for 19 mm wrench) in nickel plated brass, tightening nuts/bolt in stainless steel AISI 304.
- Operation : by untightening the bolt, the position of the top can be adjusted. By untightening the knob, the position of the pin can be adjusted.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 50 pieces.

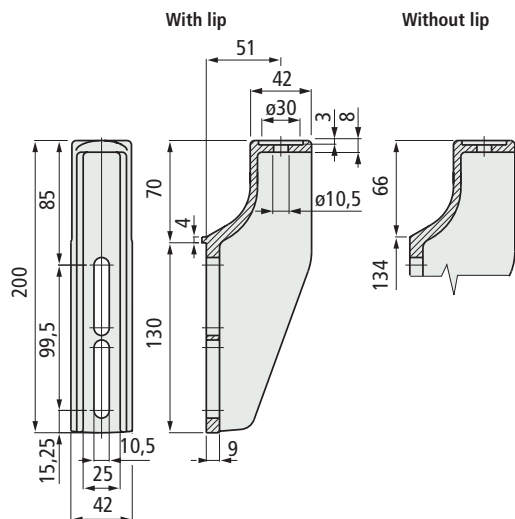
## Part. 653



Stainless steel and brass  
swivel head

# Part. 540

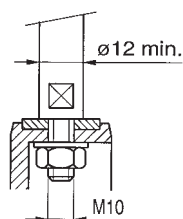
## Adjustable bracket



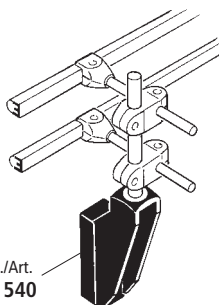
| Part. | Version     | Code   | Weight kg |
|-------|-------------|--------|-----------|
| 540   | With lip    | 683551 | 0,15      |
|       | Without lip | 683541 |           |

- Material : reinforced polyamide PA FV (black).
- Packaging : 25 pieces.

### Pin dimensions for Part. 540

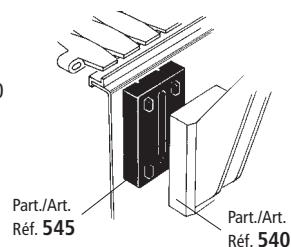


### Assembly of Part. 540



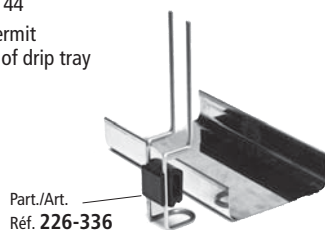
### Accessories

Spacer Part. 545, see page S143.  
Applicable to Part. 540

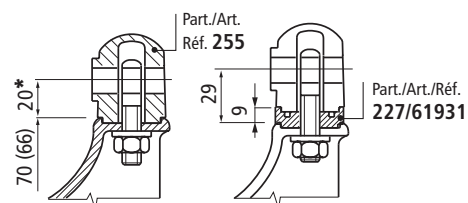


### Assembly of drip tray support Part. 226-336, see page S144

Part. 540 permit application of drip tray support

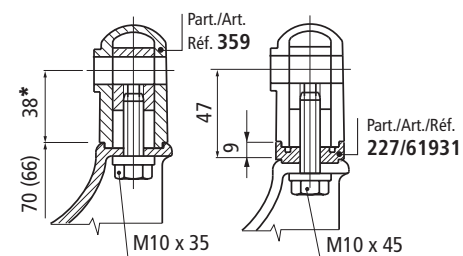


### Assembly with swivel head Part. 255



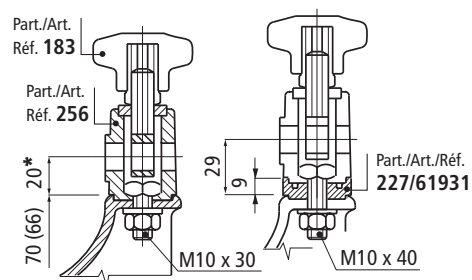
\* = To increase the height (by 9 mm) use 1 spacer Part. 227 code 61931. The length of the thread allows for only 1 spacer.

### Assembly with swivel head Part. 359



\* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931.  
To use the spacer it is necessary a longer screw.

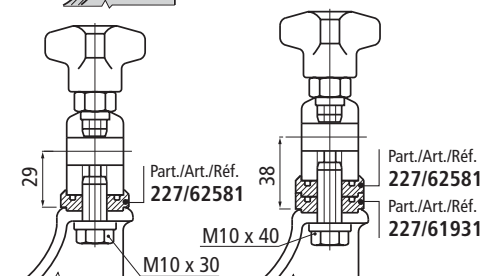
### Assembly with swivel head Part. 256



\* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931.  
To use the spacer it is necessary a longer screw.

### Assembly with swivel head Part. 192

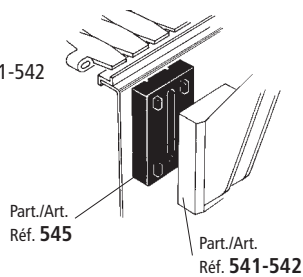
| Part./Art. Réf. | H mm | Head code Part. 192       |
|-----------------|------|---------------------------|
| 185             | 20   | 53091-60933 see page S141 |
|                 | 37   | See heads page S149       |
|                 | 57   |                           |
|                 | 87   |                           |
|                 | 127  |                           |



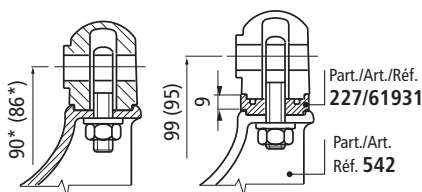
To use the spacer Part. 277 it is necessary a longer screw.

## Accessories

Spacer Part. 545,  
see page S143.  
Applicable to Part. 541-542

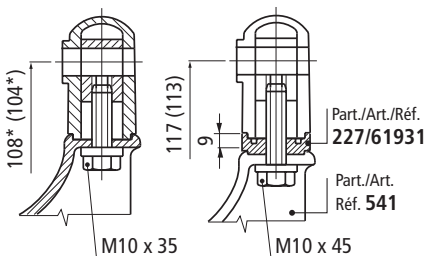


- Part. 542 permit application of spacer Part. 227.  
See page S141.



\* = To increase the height (by 9 mm) use 1 spacer Part. 227  
code 61931. The length of the thread allows for only 1 spacer.

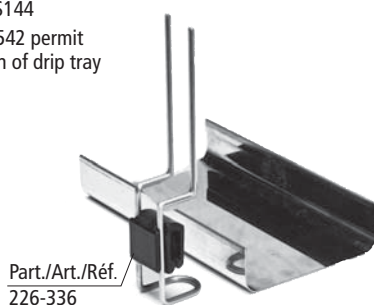
- Part. 541 permit application of spacer Part. 227.  
See page S141.



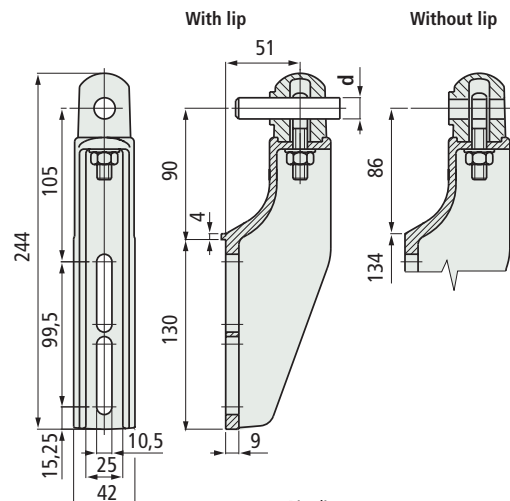
\* = To increase the height (by 9 mm) use 1 or more spacer  
Part. 227 code 61931.  
To use the spacer it is necessary a longer screw.

- Assembly of drip tray support Part. 226-336,  
see page S144

Part. 541-542 permit  
application of drip tray  
support.



## Adjustable bracket



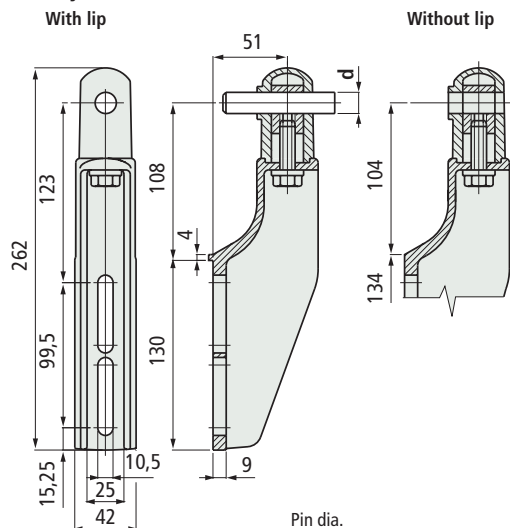
| Part. | Version     | Pin dia.<br>d<br>mm | Code   | Weight<br>kg |
|-------|-------------|---------------------|--------|--------------|
| 542   | With lip    | 12                  | 683611 | 0,15         |
|       |             | 14                  | 683621 |              |
|       |             | 16                  | 683631 |              |
|       | Without lip | 12                  | 683581 |              |
|       |             | 14                  | 683591 |              |
|       |             | 16                  | 683601 |              |

- Material : bracket and swivel head in reinforced polyamide (black), tightening nut and eyebolt in stainless steel AISI 304.
- Operation : by untightening the nut, the position of the top and the pin can be adjusted.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 25 pieces.

## Part. 542



## Adjustable bracket



| Part. | Version     | Pin dia.<br>d<br>mm | Code   | Weight<br>kg |
|-------|-------------|---------------------|--------|--------------|
| 541   | With lip    | 12                  | 689031 | 0,15         |
|       |             | 14                  | 689051 |              |
|       |             | 16                  | 683571 |              |
|       | Without lip | 12                  | 689021 |              |
|       |             | 14                  | 689041 |              |
|       |             | 16                  | 683561 |              |

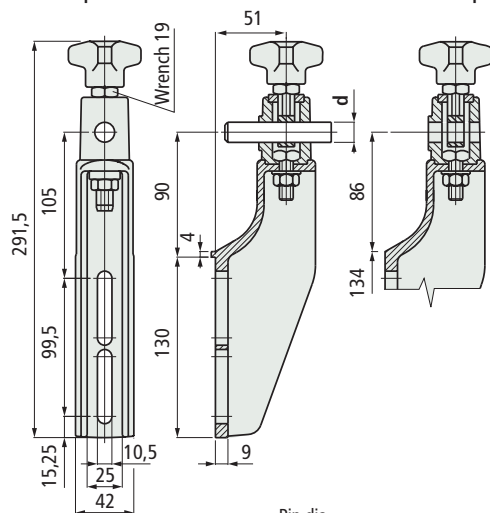
- Material : bracket and swivel head in reinforced polyamide (black), eyebolt in nickel plated brass, tightening screw in stainless steel AISI 304.
- Operation : by untightening the screw, the position of the top and the pin can be adjusted.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 25 pieces.

## Part. 541



# Part. 544

## Adjustable bracket With lip

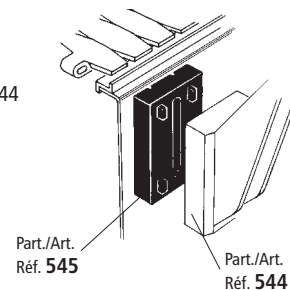


| Part. | Version     | Pin dia.<br>d<br>mm | Code   | Weight<br>kg |
|-------|-------------|---------------------|--------|--------------|
| 544   | With lip    | 12                  | 683731 | 0,15         |
|       |             | 14                  | 683741 |              |
|       |             | 16                  | 683751 |              |
|       | Without lip | 12                  | 683701 |              |
|       |             | 14                  | 683711 |              |
|       |             | 16                  | 683721 |              |

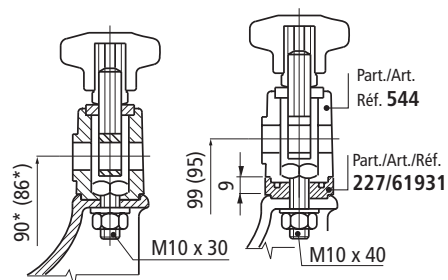
- Material : bracket, swivel head and knob in reinforced polyamide (black), hexagonal insert (for 19 mm wrench) in nickel plated brass, eyebolt and tightening nuts/bolt in stainless steel AISI 304.
- Operation : by untightening the bolt, the position of the top can be adjusted. By untightening the knob, the position of the pin can be adjusted.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 25 pieces.

### Accessories

Spacer Part. 545,  
see page S143.  
Applicable to Part. 544



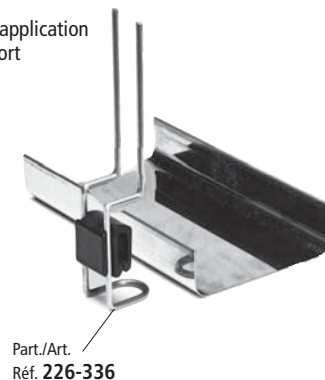
- Part. 544 permit application of spacer Part. 227.  
See page S141.



- \* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931.  
To use the spacer it is necessary a longer screw.

- Assembly of drip tray support Part. 226-336,  
see page S144

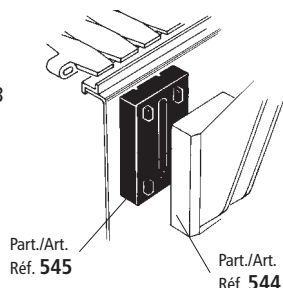
Part. 544 permit application  
of drip tray support



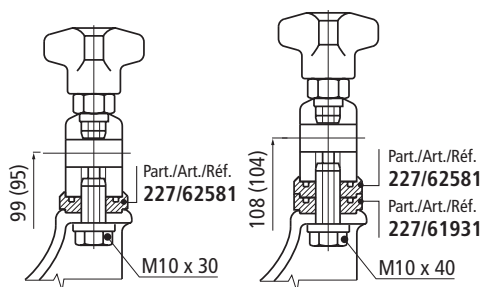


## Accessories

Spacer Part. 545,  
see page S143.  
Applicable to Part. 543

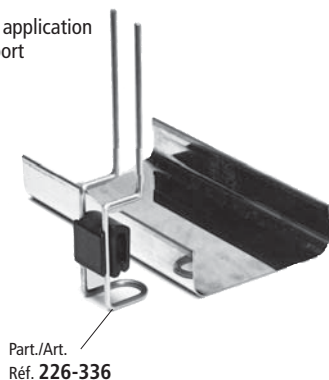


- Part. 543 permit application of spacer Part. 227.  
See page S141.



To use the spacer Part. 277 it is necessary a longer screw.

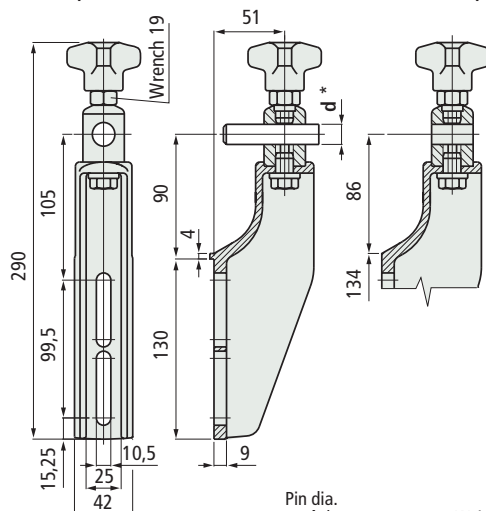
- Assembly of drip tray support Part. 226-336,  
see page S144  
Part. 543 permit application  
of drip tray support



## Adjustable bracket

With lip

Without lip



Part. Swivel head material Pin dia. d\* mm Code Weight kg

### With lip

|     |                          |       |        |      |
|-----|--------------------------|-------|--------|------|
| 543 | Stainless steel AISI 303 | 14÷16 | 683671 | 0,15 |
|     | Nickel plated brass      |       | 683691 |      |

### Without lip

|     |                          |       |        |      |
|-----|--------------------------|-------|--------|------|
| 543 | Stainless steel AISI 303 | 14÷16 | 683641 | 0,15 |
|     | Nickel plated brass      |       | 683661 |      |

\* = The bracket can be used with dia. 14 and dia. 16 mm pins.

- Material : bracket and knob in reinforced polyamide PA FV (black), hexagonal insert (for 19 mm wrench) in nickel plated brass, tightening nuts/bolt in stainless steel AISI 304.
- Operation : by untightening the bolt, the position of the top can be adjusted. By untightening the knob, the position of the pin can be adjusted.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 25 pieces.

## Part. 543



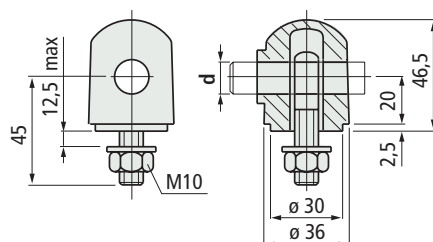
Stainless steel and brass  
swivel head

## Accessories

## Part. 255



## ■ Swivel head



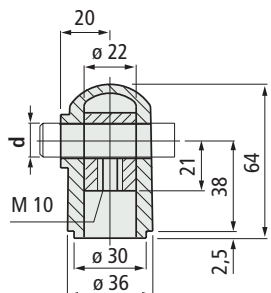
| Part. | Material                              | Pin dia.<br>d<br>mm | Code  | Weight<br>kg |
|-------|---------------------------------------|---------------------|-------|--------------|
| 255   | Reinforced polyamide<br>PA FV (black) | 12                  | 69670 | 0,08         |
|       |                                       | 14                  | 69680 |              |
|       |                                       | 16                  | 59041 |              |

- Material : tightening nut and eyebolt in stainless steel AISI 304.
- Packaging : 50 pieces.

## Part. 359



## ■ Swivel head



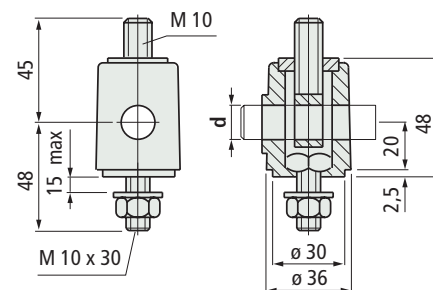
| Part. | Material                              | Pin dia.<br>d<br>mm | Code   | Weight<br>kg |
|-------|---------------------------------------|---------------------|--------|--------------|
| 359   | Reinforced polyamide<br>PA FV (black) | 12                  | 684501 | 0,10         |
|       |                                       | 14                  | 684511 |              |
|       |                                       | 16                  | 64235  |              |

- Material : eyebolt in nickel plated brass.
- Packaging : 50 pieces.

## Part. 256



## ■ Swivel head

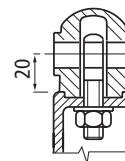
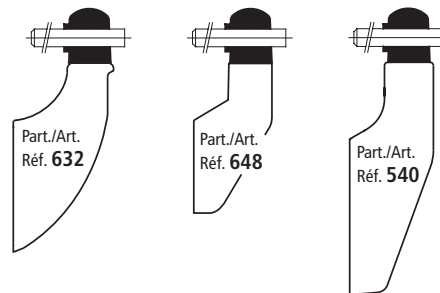


| Part. | Material                              | Pin dia.<br>d<br>mm | Code  | Weight<br>kg |
|-------|---------------------------------------|---------------------|-------|--------------|
| 256   | Reinforced polyamide<br>PA FV (black) | 12                  | 64561 | 0,12         |
|       |                                       | 14                  | 64571 |              |
|       |                                       | 16                  | 64581 |              |

- Material : tightening nut and eyebolt in stainless steel AISI 304.
- Packaging : 50 pieces.

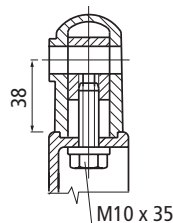
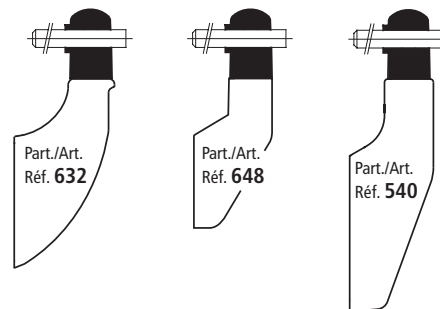
## • Assembly of Part. 255

Applicable to brackets Part. 632-648-540

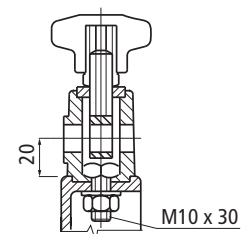
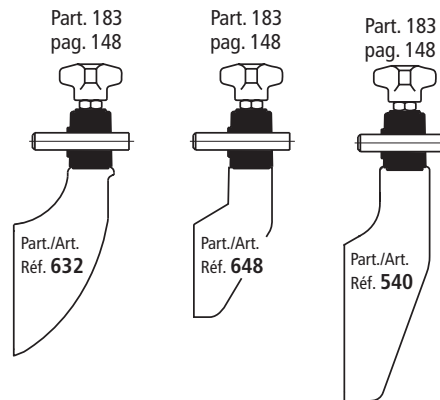


## • Assembly of Part. 359

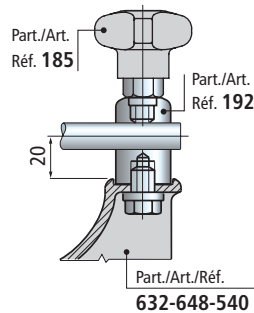
Applicable to brackets Part. 632-648-540



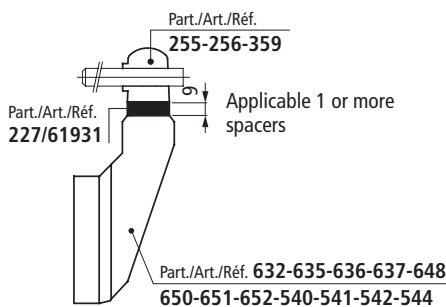
## • Assembly of Part. 256

Applicable to brackets Part. 632-648-540  
(in combination with knob Part. 183).


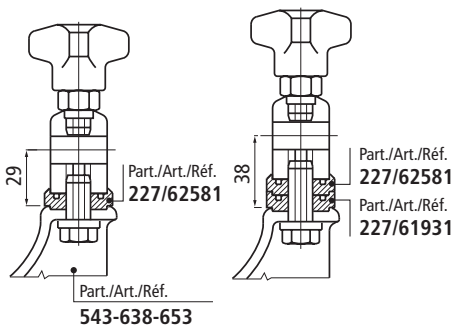
- **Assembly of Part. 192**  
Applicable to brackets Part. 632-648-540  
(in combination with knob Part. 185).



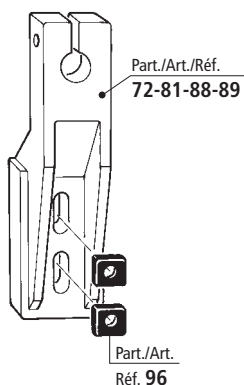
- **Assembly of Part. 227 code 61931**  
- Applicable to adjustable brackets.



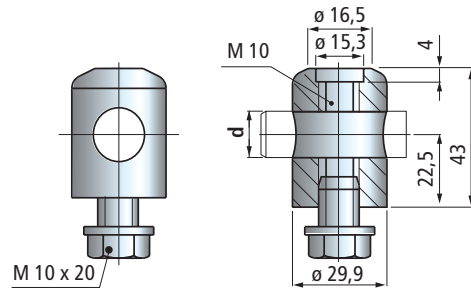
- **Assembly of Part. 227 code 62581**  
- Applicable only to adjustable brackets Part. 543-638-653 (version with metal head).



- **Assembly of Part. 96**  
Applicable to Part. 72-81-88-89 distributes force from tightening over larger area.



## Swivel head



| Part. | Pin dia.<br>d mm | Material                 | Code    | Weight<br>kg |
|-------|------------------|--------------------------|---------|--------------|
| 192   | 12 (1/2")        | Stainless steel AISI 304 | 608683• | 0,19         |
|       | 14÷16 *          | Stainless steel AISI 304 | 53091   |              |
|       |                  | Nickel plated brass      | 60933   |              |

• = New Product

\* = the bearing head can be used with dia. 14 and dia. 16 mm ping.

- Material : tightening bolt in stainless steel AISI 304.

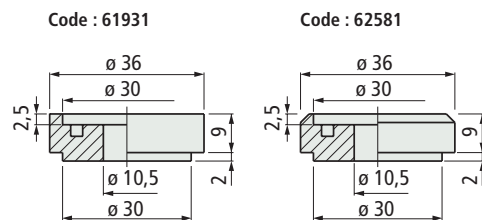
- Packaging : 50 pieces.

## Part. 192



In stainless steel and brass

## Spacer



| Part. | Use                                                                                 | Code  | Weight<br>kg |
|-------|-------------------------------------------------------------------------------------|-------|--------------|
| 227   | Applicable to any adjustable brackets                                               | 61931 | 0,01         |
|       | Applicable only to adjustable brackets Part. 543-638-653 (version with metal head). | 62581 |              |

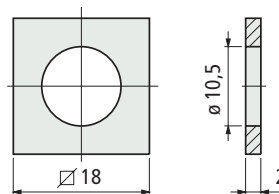
- Material : Reinforced polyamide PA FV (black).

- Packaging : 50 pieces.

## Part. 227



## Square washer

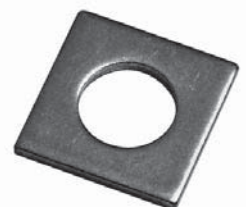


| Part. | Code  |
|-------|-------|
| 96    | 51550 |

- Material : stainless steel AISI 304.

- Packaging : 200 pieces.

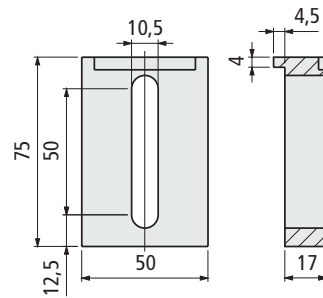
## Part. 96



## Part. 61



### ■ Spacer With lip



### Without lip

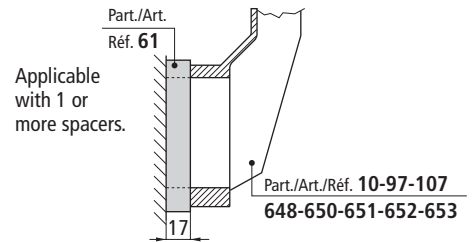


| Part. | Version     | Code   | Weight<br>kg |
|-------|-------------|--------|--------------|
| 61    | With lip    | 66194N | 0,04         |
|       | Without lip | 50870N |              |

- Material : reinforced polyamide PA FV (black).
- Packaging : 50 pieces.

### • Assembly of Part. 61

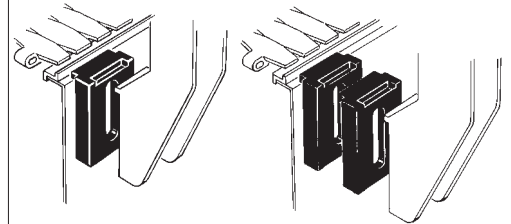
Applicable to Part. 10-97-107-648-650-651-652-653.



Advantages of version with lip :

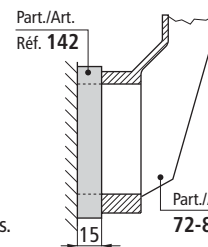
Possibility of resting  
on side of conveyor  
frame.

Possibility of assembling  
several spacers,  
all centred.

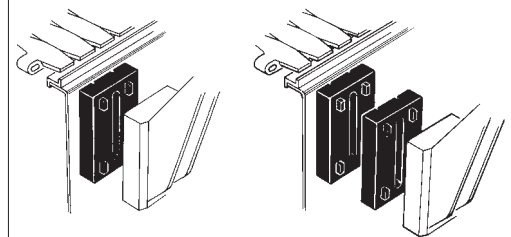


### • Assembly of Part. 142

Applicable to Part. 72-89-140.



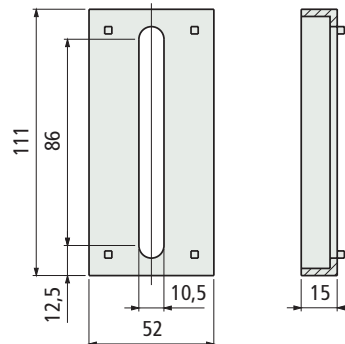
Applicable  
with 1 or  
more spacers.



## Part. 142



### ■ Spacer



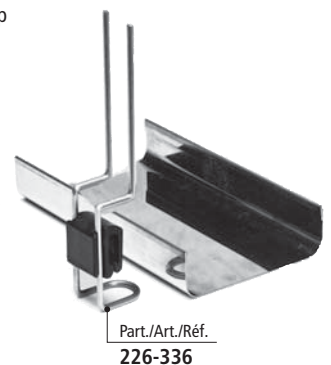
| Part. | Code  | Weight<br>kg |
|-------|-------|--------------|
| 142   | 65870 | 0,06         |

- Material : reinforced polyamide PA FV (black).
- Packaging : 25 pieces.

### • Assembly of drip tray support

Part. 226-336, see pag. S144

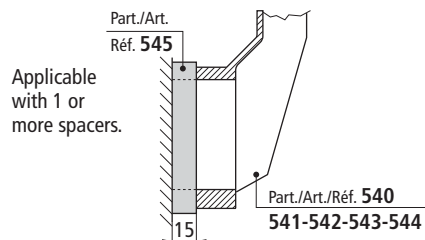
Part. 61-142 permit  
application of drip  
tray support



Part./Art./Réf.  
226-336

## • Assembly of Part. 545

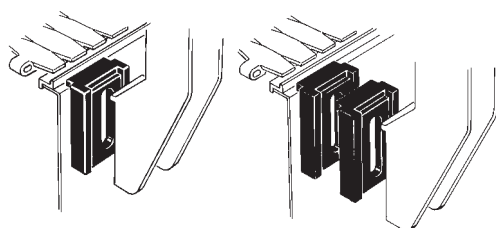
Applicable to Part. 540-541-542-543-544.



Advantages of version with lip :

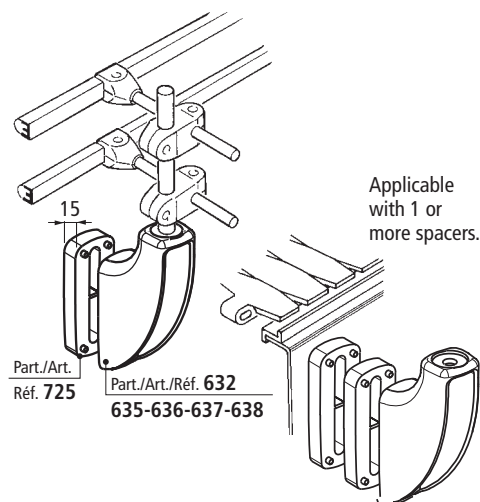
Possibility of resting on side of conveyor frame.

Possibility of assembling several spacers, all centred.



## • Assembly of Part. 725

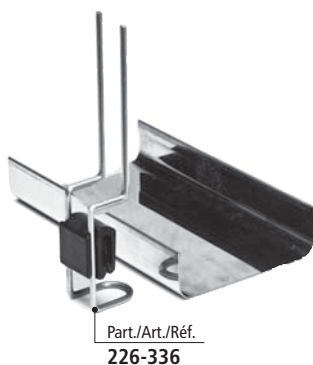
Applicable to Part. 632-635-636-637-638.



## • Assembly of drip tray support

Part. 226-336, see pag. S144

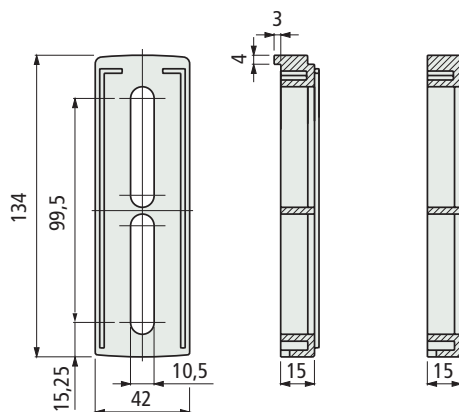
Part. 725 permit application of drip tray support



## ■ Spacer

With lip

Without lip



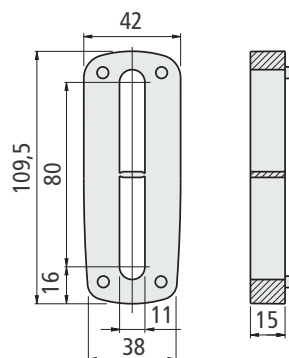
| Part. | Version     | Code   | Weight kg |
|-------|-------------|--------|-----------|
| 545   | With lip    | 683771 | 0,04      |
|       | Without lip | 683761 |           |

- Material : reinforced polyamide PA FV (black).
- Packaging : 25 pieces.

## Part. 545



## ■ Spacer



| Part. | Code   | Weight Kg |
|-------|--------|-----------|
| 725   | 688762 | 0,05      |

- Material : reinforced polyamide PA FV (black).
- Packaging : 25 pieces.

## Part. 725



*New Product*

## Accessories

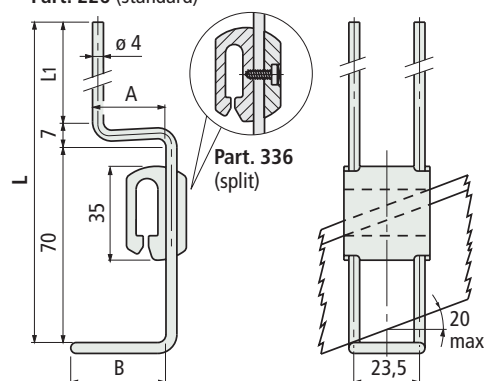
## Part. 226-336



Bent rod

## Drip tray support

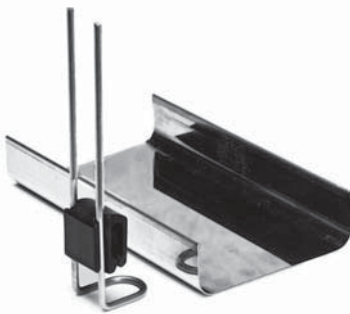
Part. 226 (standard)



| Height<br>L<br>mm | L1<br>mm | A<br>mm | B<br>mm | Code                  |                    | Weight<br>kg |
|-------------------|----------|---------|---------|-----------------------|--------------------|--------------|
|                   |          |         |         | Part. 226<br>Standard | Part. 336<br>Split |              |
| 180               | 103      | 14      | 35      | 67305N                | 697761N            | 0,06         |
|                   |          | 17      | 35      | 66772N                | 66823N             |              |
|                   |          | 27      | 35      | 62071N                | 60574N*            |              |
|                   |          | 27      | 50      | 67319N                | 697771N            |              |
|                   |          | 57      | 50      | 641461N*              | 697781N*           |              |
| 200               | 123      | 38      | 35      | 64681N*               | 697791N*           |              |
| 230               | 153      | 27      | 35      | 64631N                | 697801N            |              |
| 310               | 233      | 18      | 35      | 647551N               | 68299N             |              |

- Material : body in reinforced polypropylene PP FV (black), support element in stainless steel AISI 304, self-tapping screw (only for Part. 336) in stainless steel.  
- Packaging : 100 pieces.

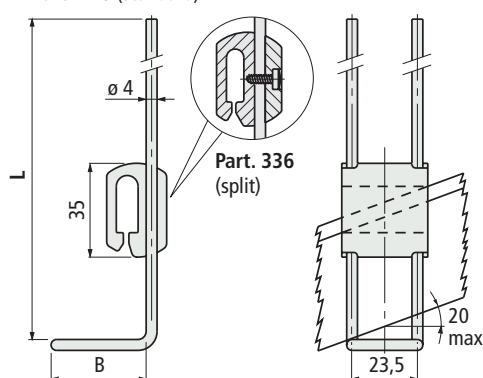
## Part. 226-336



Straight rod

## Drip tray support

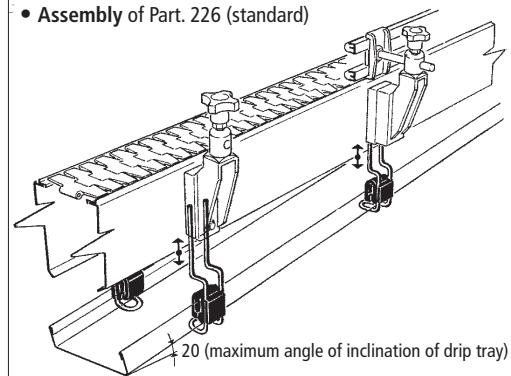
Part. 226 (standard)



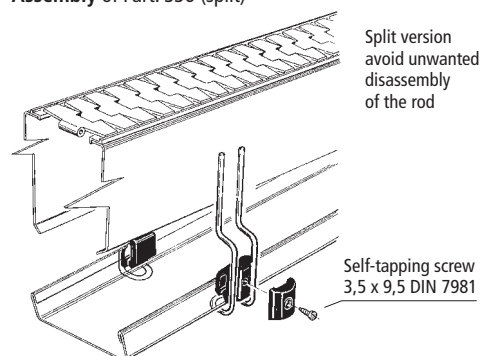
| Height<br>L<br>mm | B<br>mm | Code                  |                    | Weight<br>kg |
|-------------------|---------|-----------------------|--------------------|--------------|
|                   |         | Part. 226<br>Standard | Part. 336<br>Split |              |
| 200               | 35      | 61767                 | 697811             | 0,06         |

- Material : body in reinforced polypropylene PP FV (black), support element in stainless steel AISI 304, self-tapping screw (only for Part. 336) in stainless steel.  
- Packaging : 100 pieces.

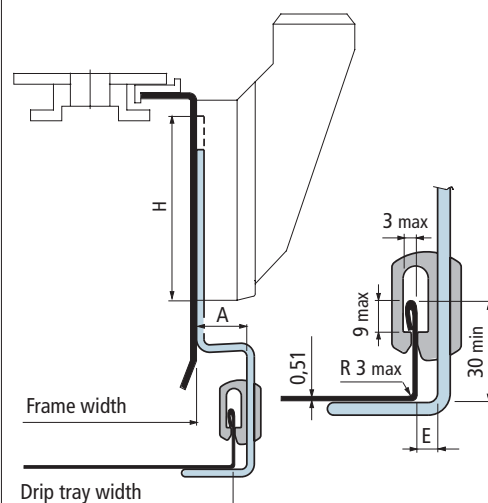
## Assembly of Part. 226 (standard)



## Assembly of Part. 336 (split)



## Drip tray design



Drip tray width = Frame width + 2 • (A - E)

A = see table with codes

E = 10 mm for Part. 226 (standard)  
9,2 mm for Part. 336 (split)

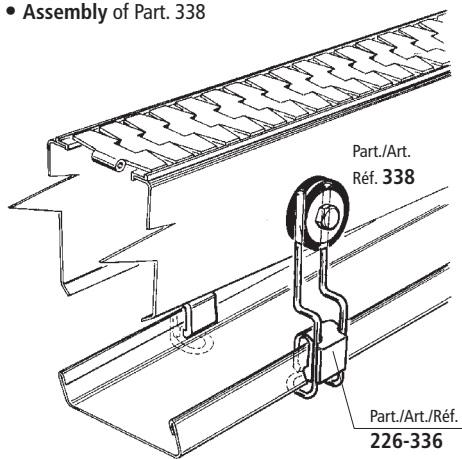
| Bracket Part.       | Rod slot length<br>H<br>mm |
|---------------------|----------------------------|
| 81-88               | 70                         |
| 72-89               | 102,5                      |
| 85                  | 53                         |
| 10-97               | 71                         |
| 107                 | 72                         |
| 599                 | 104                        |
| 140                 | 106                        |
| 617                 | 95                         |
| 632-635-636-637-638 | 103,5                      |
| 540-541-542-543-544 | 123                        |

\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

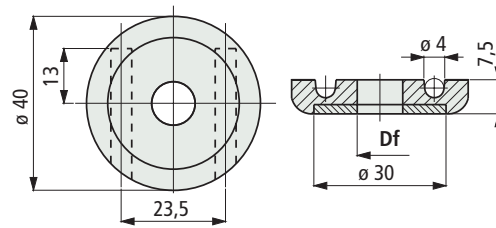


## Part. 338

### • Assembly of Part. 338



### ■ Mounting plate



| Part. | bore dia.<br>Df<br>mm | Code           | Weight<br>kg |
|-------|-----------------------|----------------|--------------|
| 338   | 9<br>10,5             | 67563<br>67325 | 0,20         |

- Material : plate in reinforced polyamide (black), washer in stainless steel AISI 304.
- Packaging : 100 pieces.

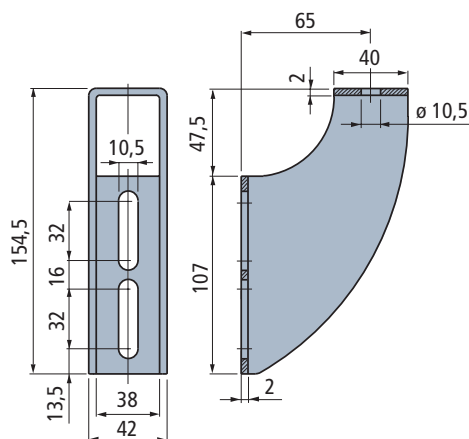


# Part. 678



*New  
Product*

## Adjustable bracket



| Part. | Code   | Weight<br>kg |
|-------|--------|--------------|
| 678   | 684292 | 0,32         |

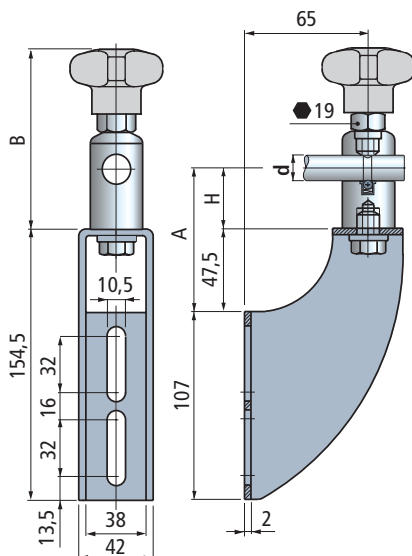
- Material : stainless steel AISI 304.
- Packaging : 6 pieces.

# Part. 679



*New  
Product*

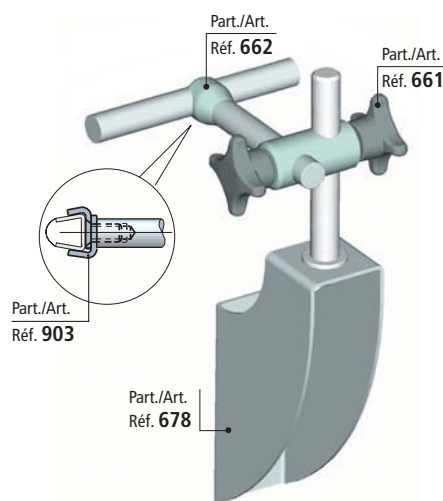
## Adjustable bracket



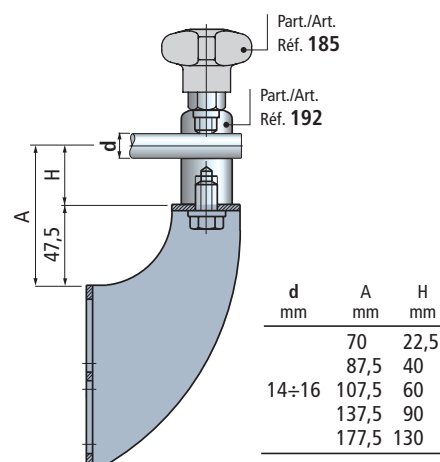
| Part.              | Pin dia.<br>d<br>mm | A<br>mm | H<br>mm | Code   | B<br>mm | Weight<br>kg |
|--------------------|---------------------|---------|---------|--------|---------|--------------|
| Without positioner |                     |         |         |        |         |              |
| 679                | 14÷16               | 70      | 22,5    | 684302 | 89      | 0,60         |
|                    |                     | 87,5    | 40      | 684312 | 106,5   | 0,70         |
|                    |                     | 107,5   | 60      | 684322 | 126,5   | 0,81         |
|                    |                     | 137,5   | 90      | 684332 | 156,5   | 0,97         |
|                    |                     | 177,5   | 130     | 684342 | 196,5   | 1,20         |
| With positioner    |                     |         |         |        |         |              |
| 679                | 16 *                | 87,5    | 40      | 685072 | 106,5   | 0,70         |
|                    |                     | 107,5   | 60      | 685082 | 126,5   | 0,81         |
|                    |                     | 137,5   | 90      | 685092 | 156,5   | 0,97         |
|                    |                     | 177,5   | 130     | 685102 | 196,5   | 1,20         |

- \* = Version with positioner can be used only with dia. 16 mm pins.
- Material : bracket in stainless steel AISI 304. Swivel head in stainless steel AISI 303. Knob in reinforced polypropylene PP FV (grey). Hexagonal insert (for 19 mm wrench) and bolts in stainless steel AISI 304.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 6 pieces.

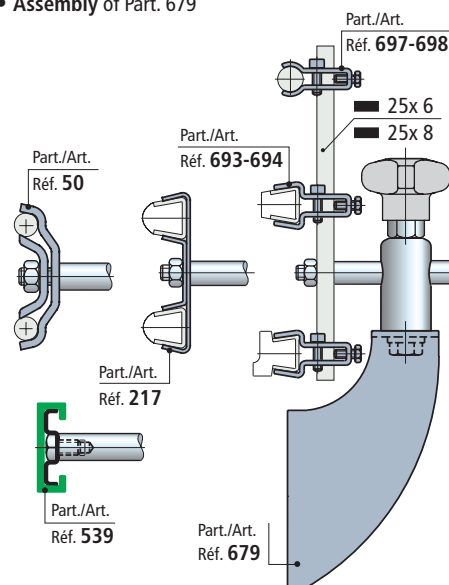
## Assembly of Part. 678



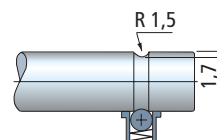
## Accessories for Part. 678



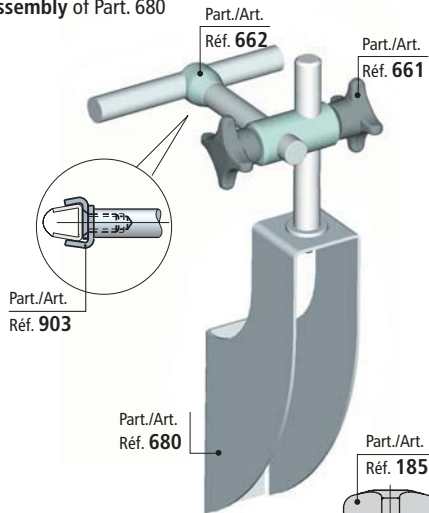
## Assembly of Part. 679



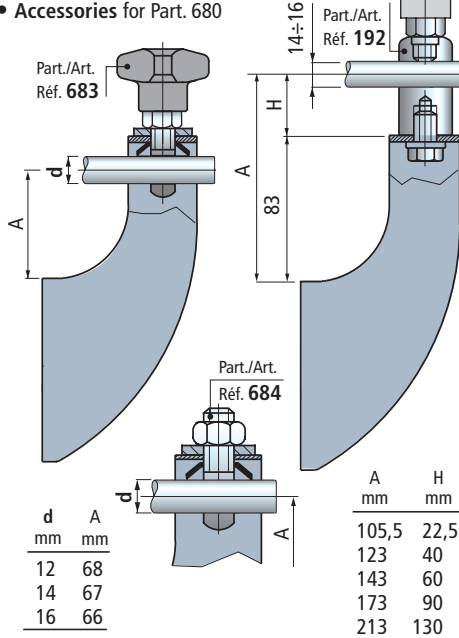
## Pin dimension for positioner



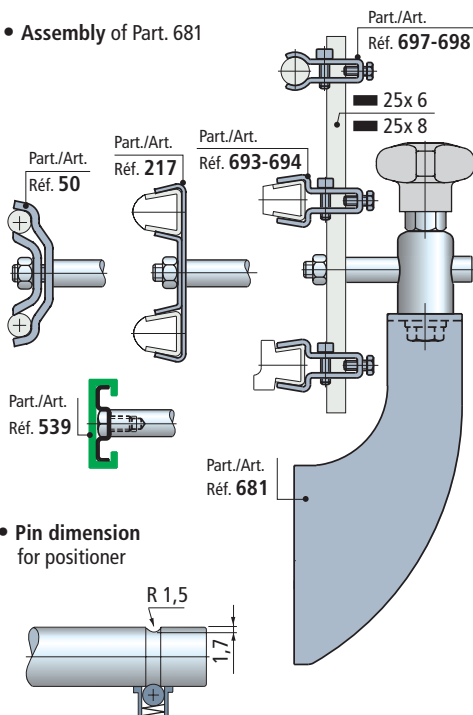
## • Assembly of Part. 680



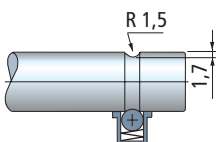
## • Accessories for Part. 680



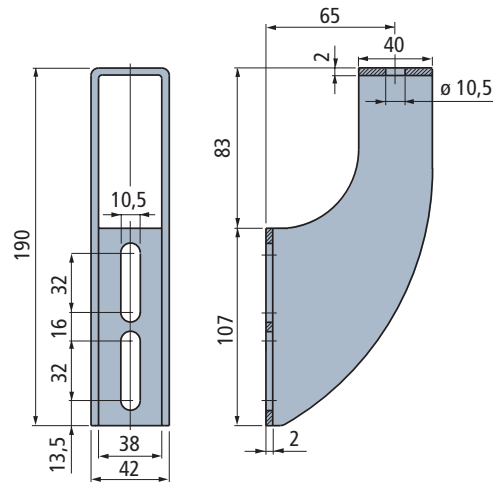
## • Assembly of Part. 681



## • Pin dimension for positioner



## ■ Adjustable bracket



| Part. | Code   | Weight kg |
|-------|--------|-----------|
| 680   | 684352 | 0,36      |

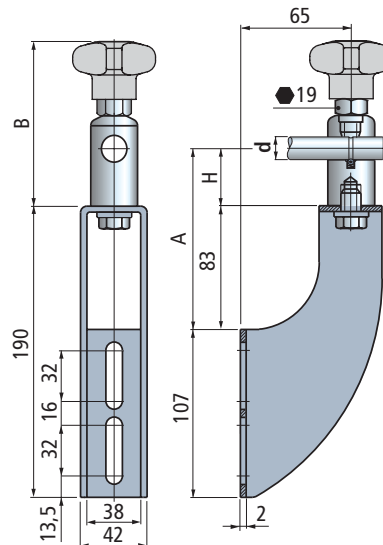
- Material : stainless steel AISI 304.
- Packaging : 6 pieces.

## Part. 680



New Product

## ■ Adjustable bracket



| Part.              | Pin dia.<br>d<br>mm | A<br>mm | H<br>mm | Code   | B<br>mm | Weight<br>kg |
|--------------------|---------------------|---------|---------|--------|---------|--------------|
| Without positioner |                     |         |         |        |         |              |
| 681                | 14÷16               | 105,5   | 22,5    | 684402 | 89      | 0,64         |
|                    |                     | 123     | 40      | 685112 | 106,5   | 0,74         |
|                    |                     | 143     | 60      | 685122 | 126,5   | 0,85         |
|                    |                     | 173     | 90      | 685132 | 156,5   | 1,01         |
|                    |                     | 213     | 130     | 685142 | 196,5   | 1,24         |
| With positioner    |                     |         |         |        |         |              |
| 681                | 16 *                | 123     | 40      | 684362 | 106,5   | 0,74         |
|                    |                     | 143     | 60      | 684372 | 126,5   | 0,85         |
|                    |                     | 173     | 90      | 684382 | 156,5   | 1,01         |
|                    |                     | 213     | 130     | 684392 | 196,5   | 1,24         |

- \* = Version with positioner can be used only with dia. 16 mm pins.
- Material : bracket in stainless steel AISI 304. Swivel head in stainless steel AISI 303. Knob in reinforced polypropylene PP FV (grey). Hexagonal insert (for 19 mm wrench) and bolts in stainless steel AISI 304.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 6 pieces.

## Part. 681



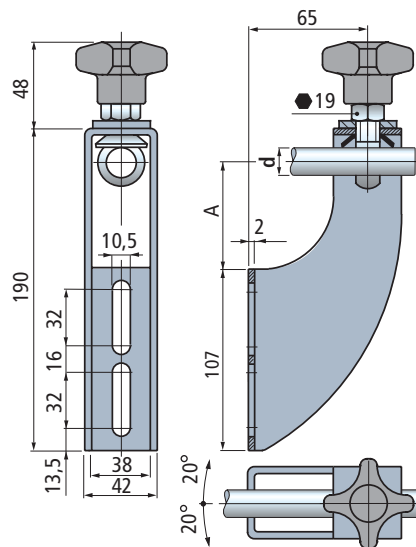
New Product

## Part. 682



*New  
Product*

## ■ Adjustable brackets



| Part. | Pin dia.<br>d<br>mm | A<br>mm | Code   | Weight<br>kg |
|-------|---------------------|---------|--------|--------------|
| 682   | 12                  | 68      | 684412 | 0,46         |
|       | 14                  | 67      | 684422 |              |
|       | 16                  | 66      | 684432 |              |

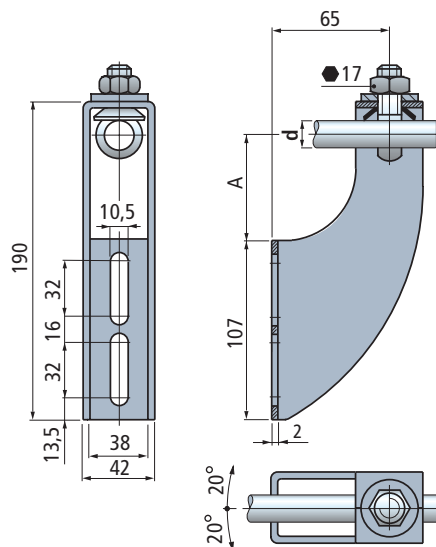
- Material : bracket, tightening nut, washer and eyebolt in stainless steel AISI 304. Knob in reinforced polypropylene PP FV (grey). Hexagonal insert (for 19 mm wrench) in stainless steel AISI 303.
- Packaging : 6 pieces.

## Part. 677



*New  
Product*

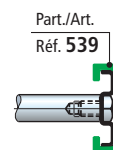
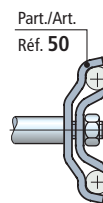
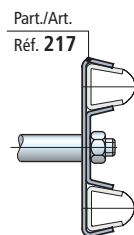
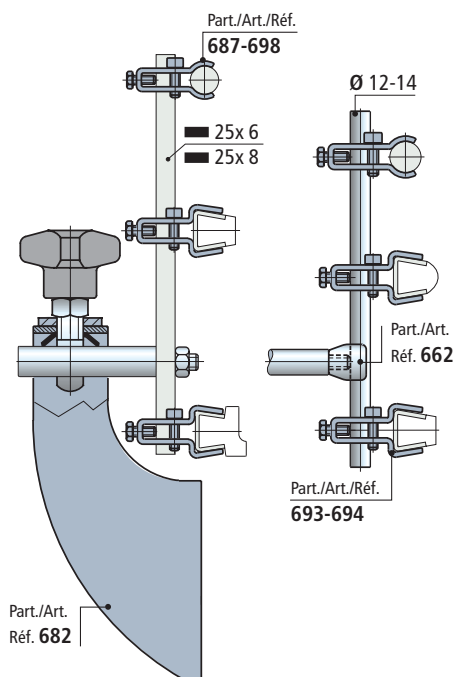
## ■ Adjustable brackets



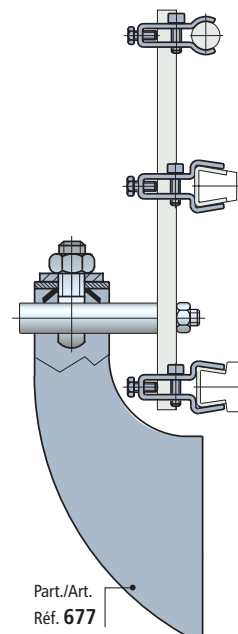
| Part. | Pin dia.<br>d<br>mm | A<br>mm | Code   | Weight<br>kg |
|-------|---------------------|---------|--------|--------------|
| 677   | 12                  | 68      | 684262 | 0,42         |
|       | 14                  | 67      | 684272 |              |
|       | 16                  | 66      | 684282 |              |

- Material : bracket, tightening nut, washer and eyebolt in stainless steel AISI 304.
- Packaging : 6 pieces.

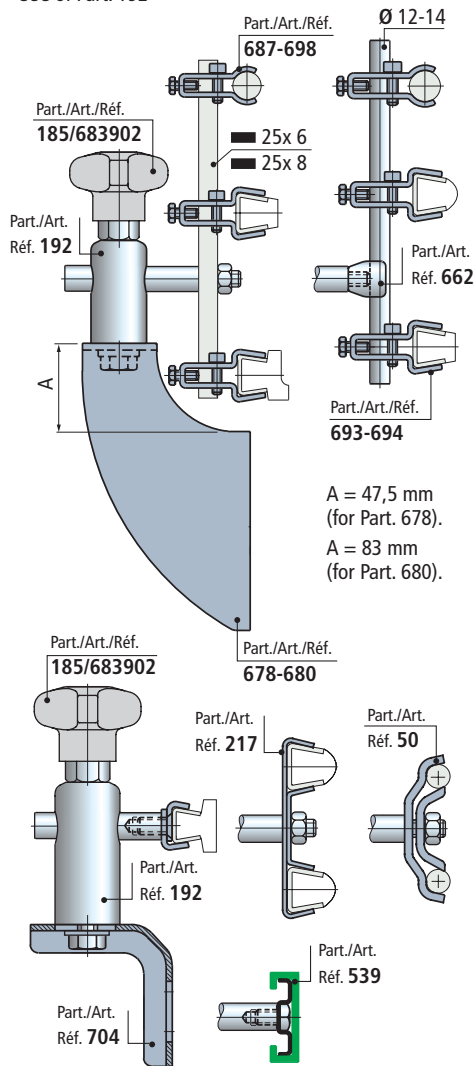
## • Use of Part. 682



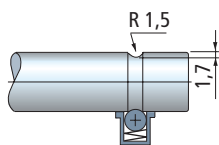
## • Use of Part. 677



## • Use of Part. 192

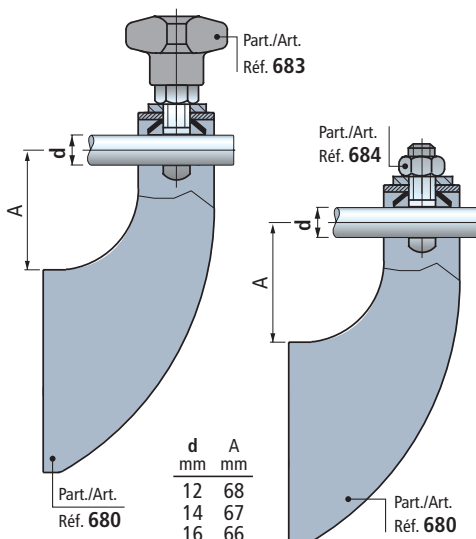


## • Pin dimension for positioner



## • Use of Part. 683-684

In combination with brackets Part. 680.



## ■ Swivel heads

With single bore

With double bore

| Part.                   | Pin dia.<br>d mm | H mm | Code               |                 | Weight<br>kg |
|-------------------------|------------------|------|--------------------|-----------------|--------------|
|                         |                  |      | Without positioner | With positioner |              |
| <b>With single bore</b> |                  |      |                    |                 |              |
| 192                     | 14÷16 *          | 22,5 | 685842             | —               | 0,19         |
|                         |                  | 40   | 674012             | 673962          | 0,29         |
|                         |                  | 60   | 674022             | 673972          | 0,40         |
|                         |                  | 90   | 674032             | 673982          | 0,56         |
|                         |                  | 130  | 674042             | 673992          | 0,79         |
| <b>With double bore</b> |                  |      |                    |                 |              |
| 192                     | 14÷16 *          | 90   | 674052             | 674002          | 0,52         |

\* = version with positioner can be used only with dia. 16 mm pins.

- Material : swivel head in stainless steel AISI 303.

- Tightening bolt in stainless steel AISI 304.

- Packaging : 10 pieces.

## ■ Eyebolt (with knob)

| Part. | Pin dia.<br>d mm | Code   | H mm | Weight<br>kg |
|-------|------------------|--------|------|--------------|
| 683   | 12               | 684442 | 13   | 0,10         |
|       | 14               | 684452 | 14   |              |
|       | 16               | 684462 | 15   |              |

- Material : eyebolt and washer in stainless steel AISI 304.

- Knob in reinforced polypropylene PP FV (grey). Hexagonal insert (for 19 mm wrench) in stainless steel AISI 303.

- Packaging : 6 pieces.

## ■ Eyebolt (with nut)

| Part. | Pin dia.<br>d mm | Code   | H mm | Weight<br>kg |
|-------|------------------|--------|------|--------------|
| 684   | 12               | 684472 | 13   | 0,06         |
|       | 14               | 684482 | 14   |              |
|       | 16               | 684492 | 15   |              |

- Material : eyebolt, tightening nut and washer in stainless steel AISI 304.

- Packaging : 6 pieces.

## Part. 192



New Product

## Part. 683



New Product

## Part. 684



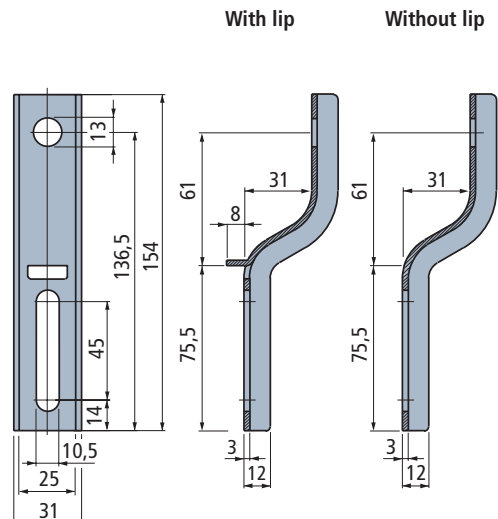
New Product

# Part. 705



**New Product**

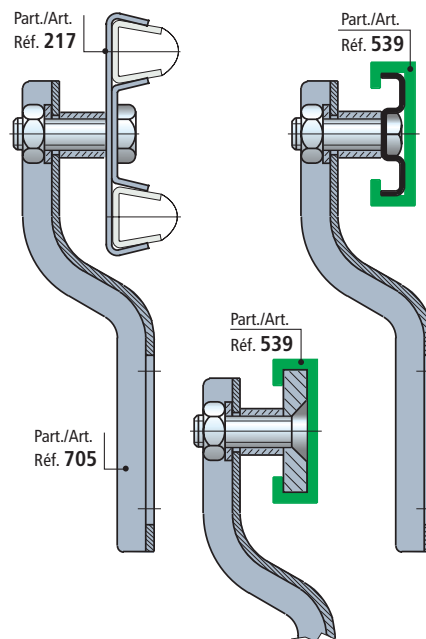
## Bracket



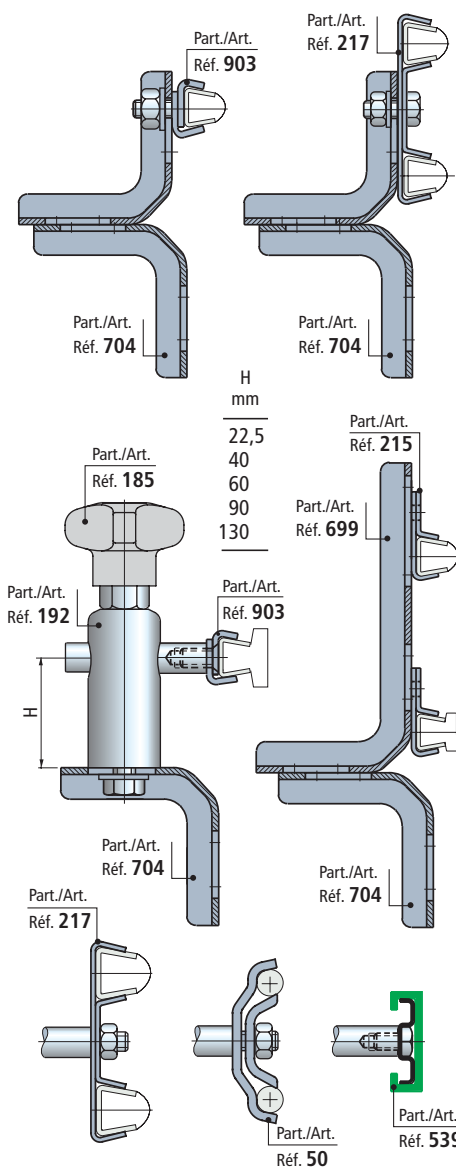
| Part. | Version     | Code   | Weight kg |
|-------|-------------|--------|-----------|
| 705   | With lip    | 684902 | 0,17      |
|       | Without lip | 684912 |           |

- Material : stainless steel AISI 304.
- Packaging : 16 pieces.

## Use of Part. 705



## Use of Part. 704

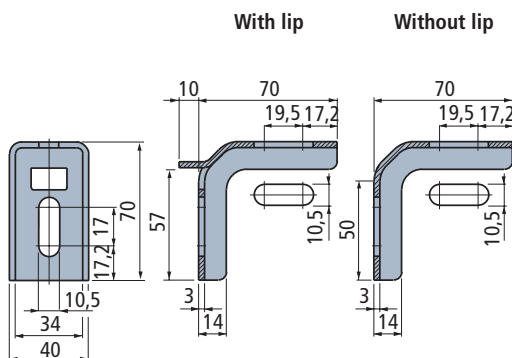


# Part. 704



**New Product**

## Bracket

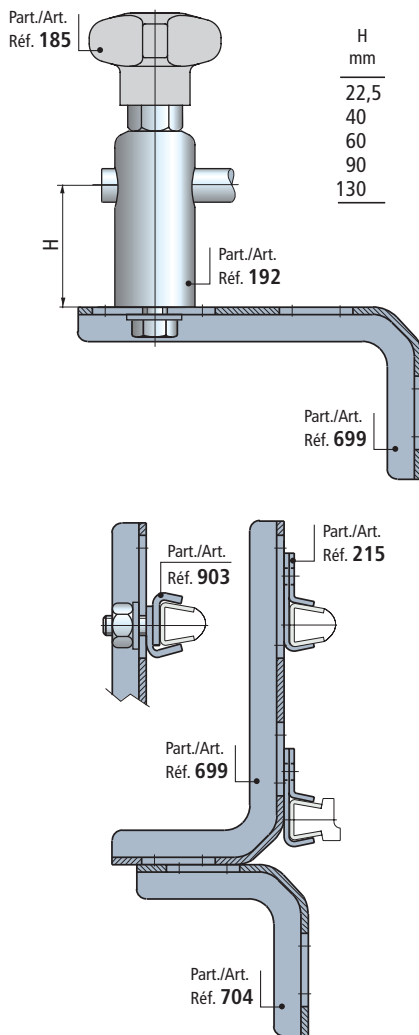


| Part. | Version     | Code   | Weight kg |
|-------|-------------|--------|-----------|
| 704   | With lip    | 684882 | 0,15      |
|       | Without lip | 684892 |           |

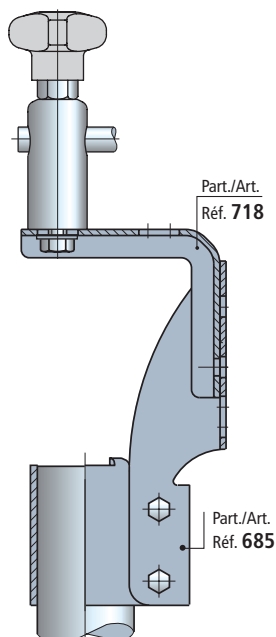
- Material : stainless steel AISI 304.
- Packaging : 16 pieces.



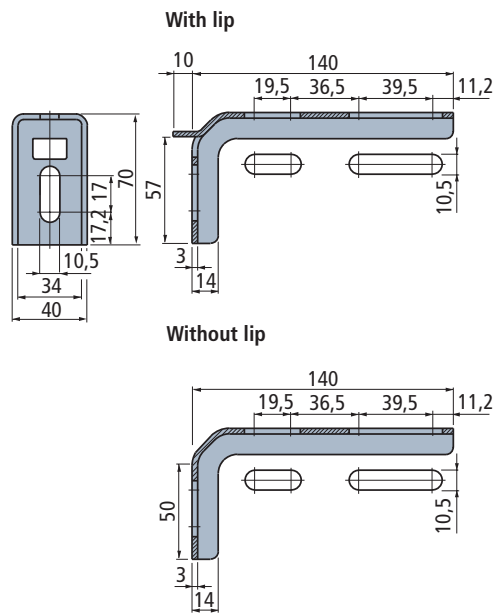
## • Use of Part. 699



## • Use of Part. 718



## ■ Bracket



| Part. | Version     | Code   | Weight<br>kg |
|-------|-------------|--------|--------------|
| 699   | With lip    | 684862 | 0,23         |
|       | Without lip | 684872 |              |

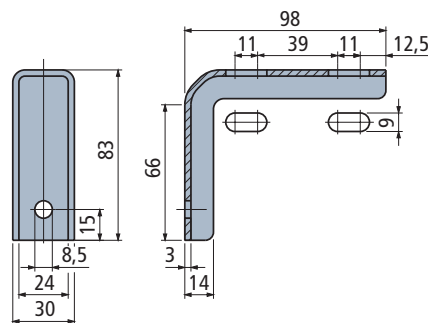
- Material : stainless steel AISI 304.
- Packaging : 16 pieces.

## Part. 699



*New  
Product*

## ■ Bracket



| Part. | Code   | Weight<br>kg |
|-------|--------|--------------|
| 718   | 687252 | 0,17         |

- Material : stainless steel AISI 304.
- Packaging : 16 pieces.

## Part. 718



*New  
Product*

# Part. 692



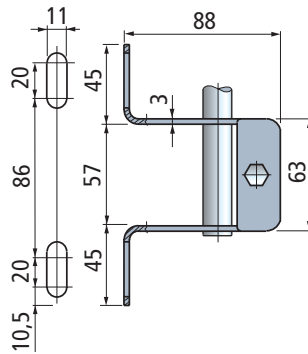
*New Product*



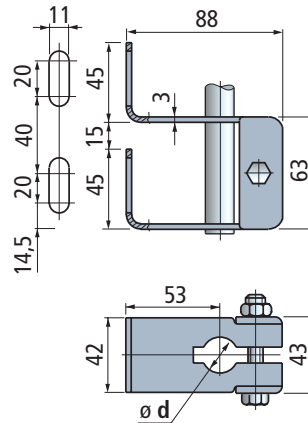
*New Product*

## Side bracket

### Standard version



### Compact version



| Part. | Pin dia.<br>d<br>mm | Code             |                 | Weight<br>kg |
|-------|---------------------|------------------|-----------------|--------------|
|       |                     | Standard version | Compact version |              |
| 692   | 15                  | 686272           | 684622          | 0,33         |
|       | 16                  | 686282           | 684632          |              |
|       | 18                  | 686292           | 684642          |              |
|       | 20                  | 686302           | 684652          |              |

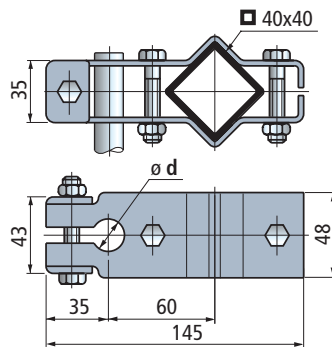
- Material : bracket and bolt in stainless steel AISI 304.
- Packaging : 8 pieces.

# Part. 691



*New Product*

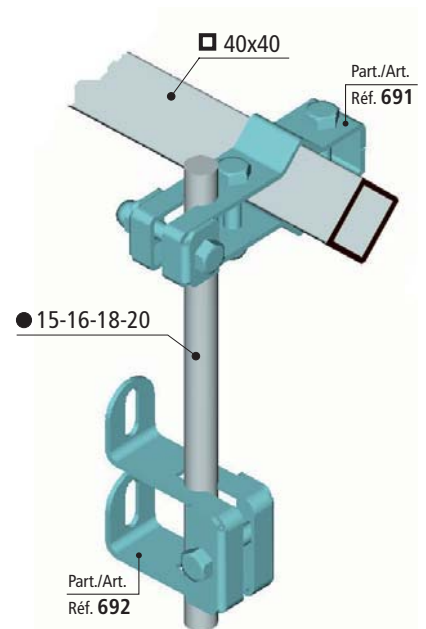
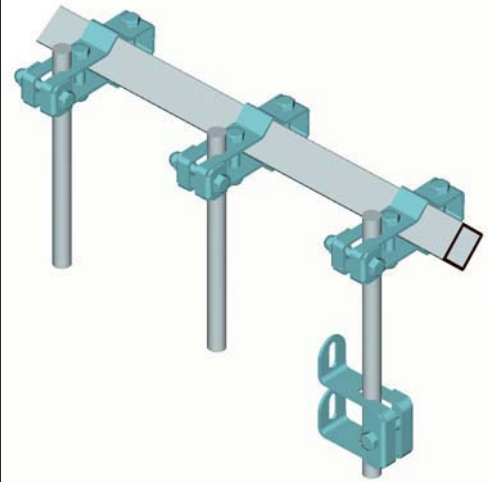
## Cross clamp



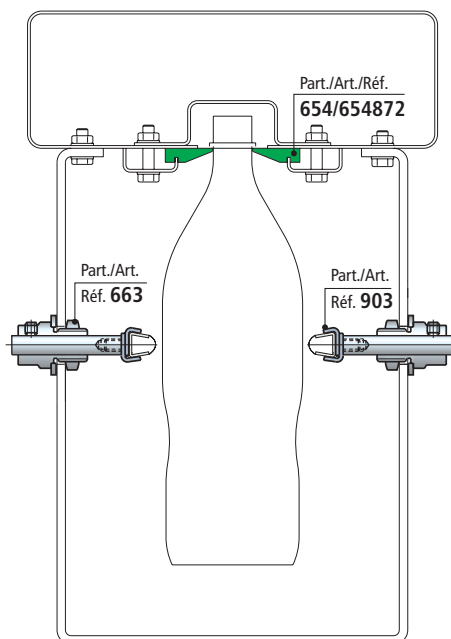
| Part. | Square tube<br>mm | Pin dia.<br>d<br>mm | Code   | Weight<br>kg |
|-------|-------------------|---------------------|--------|--------------|
|       |                   |                     |        |              |
| 691   | 40x40             | 15                  | 684582 | 0,52         |
|       |                   | 16                  | 684592 |              |
|       |                   | 18                  | 684602 |              |
|       |                   | 20                  | 684612 |              |

- Material : clamp and bolt in stainless steel AISI 304.
- Packaging : 8 pieces.

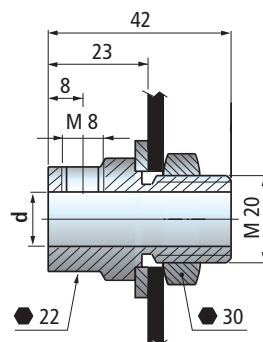
## Use of Part. 692



• Use of Part. 663



■ Locking clamp for round steel rod



| Part. | Pin dia.<br>d<br>mm | Code   | Weight<br>kg |
|-------|---------------------|--------|--------------|
| 663   | 12                  | 669572 | 0,13         |

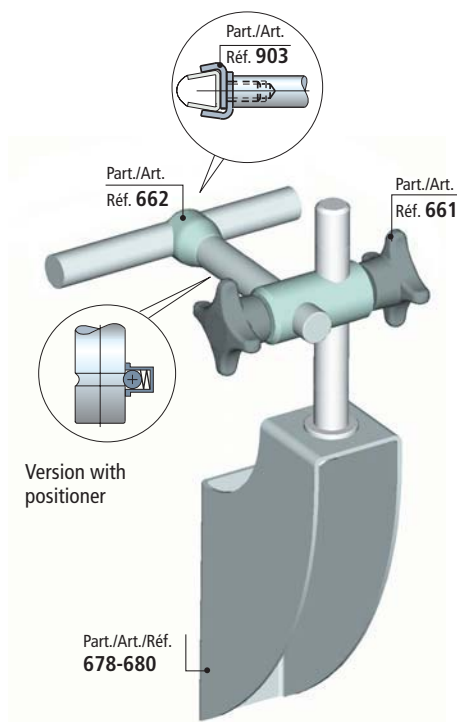
- Material : clamp in stainless steel AISI 303. Nut and washer in stainless steel AISI 304.
- Packaging : 50 pieces.

Part. **663**



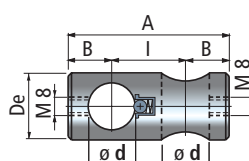
*New Product*

• Use of Part. 661

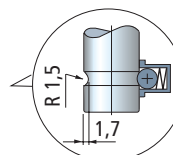


■ Cross clamp

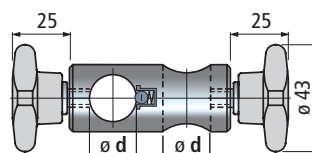
Version without knobs



Positioner



Version with knobs



Part./Art.  
Réf. 671

| Part. | Pin dia.<br>d<br>mm | Code                  |                    | I<br>mm | A<br>mm | B<br>mm | Dia.<br>De<br>mm | Weight<br>Kg |
|-------|---------------------|-----------------------|--------------------|---------|---------|---------|------------------|--------------|
|       |                     | Without<br>positioner | With<br>positioner |         |         |         |                  |              |
| 661   | 10                  | 669112                | —                  | 14      | 36      | 11      | 18               | 0,05         |
|       | 12                  | 669122                | 669172             | 16      | 40      | 12      | 20               | 0,06         |
|       | (1/2")              | 686022                | —                  | 16      | 40      | 12      | 20               | 0,06         |
|       | 14                  | 669132                | 669182             | 18      | 44      | 13      | 20               | 0,06         |
|       | 16                  | 669142                | —                  | 20      | 48      | 14      | 24               | 0,10         |
|       | 18                  | 669152                | —                  | 22      | 52      | 15      | 26               | 0,11         |
| 661   | 20                  | 669162                | —                  | 24      | 56      | 16      | 28               | 0,13         |
|       | 10                  | 675712                | —                  | 14      | 36      | 11      | 18               | 0,09         |
|       | 12                  | 675722                | 675772             | 16      | 40      | 12      | 20               | 0,10         |
|       | (1/2")              | 683802                | —                  | 16      | 40      | 12      | 20               | 0,10         |
|       | 14                  | 675732                | 675782             | 18      | 44      | 13      | 20               | 0,10         |
|       | 16                  | 675742                | —                  | 20      | 48      | 14      | 24               | 0,14         |
| 661   | 18                  | 675752                | —                  | 22      | 52      | 15      | 26               | 0,15         |
|       | 20                  | 675762                | —                  | 24      | 56      | 16      | 28               | 0,17         |

- Material : clamp in stainless steel AISI 303. Knob in reinforced polypropylene PP FV (grey). Threaded insert in stainless steel AISI 303.
- Max recommended tightening torque : 1 Kgm.
- Packaging : 24 pieces.

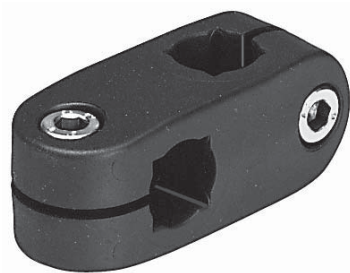
*New Product*



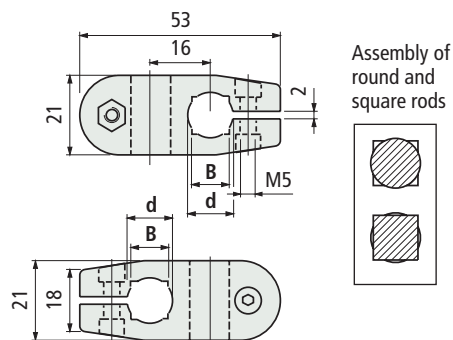
Part. **661**

\* = Items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

## Part. 340



### ■ Cross clamp



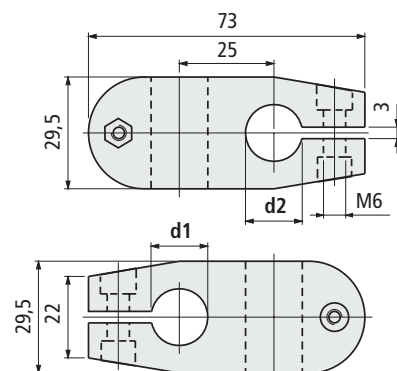
| Part. | Tightening bolt material | Rod dia. d mm | Square rod B mm | Code   | Weight kg |
|-------|--------------------------|---------------|-----------------|--------|-----------|
| 340   | Stainless steel AISI 304 | 10            | 8               | 68373  | 0,02      |
|       |                          | 12            | 10              | 68385  |           |
|       |                          | 14            | 12              | 67375  |           |
|       | Zinc plated steel        | 10            | 8               | 627031 |           |
|       |                          | 12            | 10              | 627041 |           |
|       |                          | 14            | 12              | 627051 |           |

- Material : clamp in reinforced polyamide PA FV (black).
- Max recommended tightening torque : 0,5 Kgm.
- Packaging : 50 pieces.

## Part. 174-174R



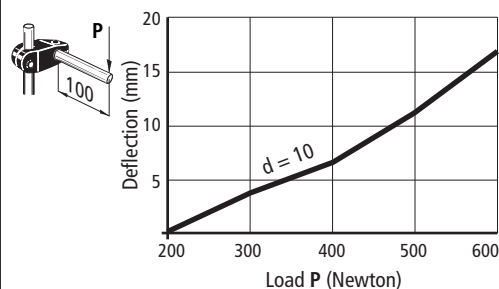
### ■ Cross clamp



| Part. | Material                                   | Rod dia. d1 mm | Rod dia. d2 mm | Code   | Weight kg |
|-------|--------------------------------------------|----------------|----------------|--------|-----------|
| 174   | Reinforced polyamide PA FV (black)         | 14             | 14             | 57941  | 0,07      |
|       |                                            |                | 15             | 59291* |           |
|       |                                            |                | 16             | 59301  |           |
|       |                                            |                | 18             | 59311  |           |
|       |                                            | 15             | 15             | 53791  |           |
|       |                                            |                | 16             | 59321* |           |
|       |                                            |                | 18             | 59331  |           |
|       |                                            |                | 16             | 53781  |           |
|       |                                            | 18             | 18             | 59341  |           |
|       |                                            |                | 18             | 53771  |           |
|       |                                            | 20             | 20             | 652452 |           |
| 174R  | Reinforced polyamide PA FV special (black) | 15             | 15             | 61887  | 0,07      |
|       |                                            | 18             | 18             | 64997  |           |

- Material : tightening bolt in stainless steel AISI 304.
- Max recommended tightening torque : 1 Kgm (Part. 174); 1,5 Kgm (Part. 174 R).
- Packaging : 50 pieces.

### • Deflection of Part. 340

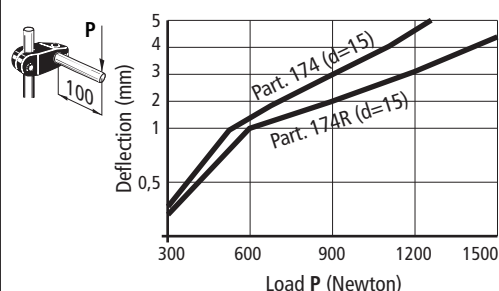


### • Technical data Part. 340

- sliding load : 1200 N
- rotation load : 5 N/m

Tests performed at tightening torque : 0,5 Kgm

### • Deflection of Part. 174-174R



### • Technical data Part. 174

- sliding load : 2500 N (with d = 14-15-16)  
2800 N (with d = 18)
- rotation load : 13 N/m

Tests performed at tightening torque : 1 Kgm

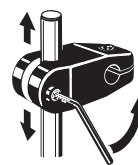
### • Technical data Part. 174R

- sliding load : 3500 N
- rotation load : 25 N/m

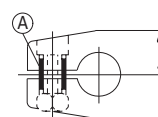
Tests performed at tightening torque : 1,5 Kgm

### • Characteristics Part. 174R

It differs from Part. 174 in the use of a special material and a stiffening bush (spacer).

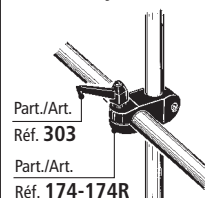


The increased elasticity of the material permits, once the bolts are untightened, the clamp to slide easily over the rod. Especially suitable for applications with frequent adjustment.



The spacers A (nickel plated brass) prevent breakage of clamp when bolts are tightened higher than max. recommended values. The resulting loads are absorbed by the spacers and not the body.

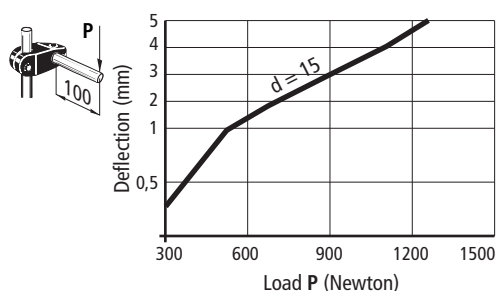
### • Assembly of Part. 174-174 R with ratchet handle



Can be applied with the ratchet handle Part. 303 (code 60922), instead of the standard hardware, see page S189.

\* = Items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

## • Deflection of Part. 174Q

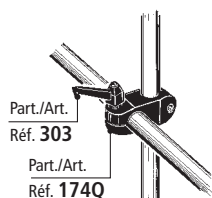


## • Technical data Part. 174 Q

- sliding load : 2500 N (with d = 14-15-16)  
2800 N (with d = 18)
- rotation load : 13 N/m

Tests performed at tightening torque : 1 Kgm

## • Assembly of Part. 174 Q with ratchet handle

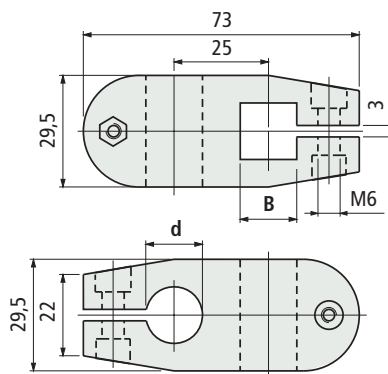


Can be applied with the ratchet handle Part. 303 (code 60922), instead of the standard hardware, see page S189.

## • Use of Part. 732



## ■ Cross clamp



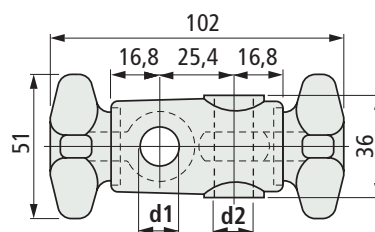
| Part. | Square rod B mm | Rod dia. d mm | Code   | Weight kg |
|-------|-----------------|---------------|--------|-----------|
| 174 Q | 12              | 14            | 59351  | 0,07      |
|       |                 | 15            | 59361* |           |
|       |                 | 16            | 59371  |           |
|       |                 | 18            | 59381  |           |

- Material : clamp in reinforced polyamide PA FV (black), tightening bolt in stainless steel AISI 304, nuts in nickel plated brass.
- Max recommended tightening torque : 1 Kgm.
- Packaging : 50 pieces.

## Part. 174Q



## ■ Cross clamp



| Part. | Pin dia. d1 |      | Pin dia. d2 |      | Code   | Weight kg |
|-------|-------------|------|-------------|------|--------|-----------|
| 732   | 12          | 1/2" | 12          | 1/2" | 692352 | 0,13      |
|       | 12          | 1/2" | 16          | 5/8" | 692362 |           |
|       | 16          | 5/8" | 16          | 5/8" | 692372 |           |

- Material : clamp and knobs in reinforced polyamide PA FV (black). Eyebolts in stainless steel AISI 304.
- Max recommended tightening torque: 4 Kgm.
- Packaging : 50 pieces.

## Part. 732



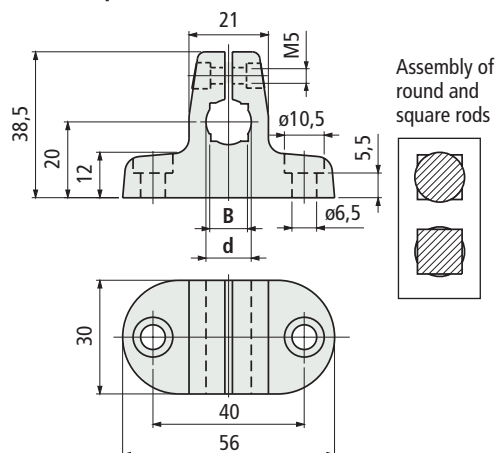
New Product

\* = Items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

## Part. 339



■ T-clamp



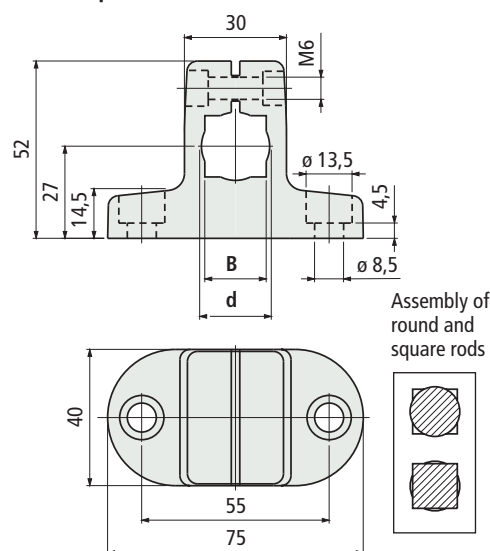
| Part. | Tightening<br>bolt material | Rod dia.<br>d<br>mm | Square<br>rod<br>B<br>mm | Code   | Weight<br>kg |
|-------|-----------------------------|---------------------|--------------------------|--------|--------------|
| 339   | Stainless steel AISI 304    | 10                  | 8                        | 68363  | 0,03         |
|       |                             | 12                  | 10                       | 68375  |              |
|       |                             | 14                  | 12                       | 67365  |              |
|       | Zinc plated steel           | 10                  | 8                        | 626001 |              |
|       |                             | 12                  | 10                       | 627011 |              |
|       |                             | 14                  | 12                       | 627021 |              |

- Material : clamp in reinforced polyamide PA FV (black).
- Max recommended tightening torque : 0,5 Kgm.
- Packaging : 50 pieces.

## Part. 595



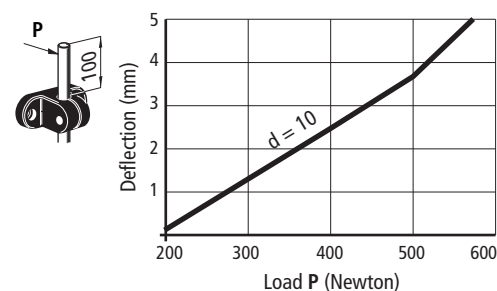
■ T clamp



| Part. | Tightening<br>bolt material | Rod dia.<br>d<br>mm | Square<br>rod<br>B<br>mm | Code   | Weight<br>kg |
|-------|-----------------------------|---------------------|--------------------------|--------|--------------|
| 595   | Stainless steel AISI 304    | 16                  | 14                       | 610432 | 0,07         |
|       |                             | 18                  | 16                       | 610442 |              |
|       |                             | 20                  | 18                       | 610452 |              |
|       | Zinc plated steel           | 16                  | 14                       | 610462 |              |
|       |                             | 18                  | 16                       | 610472 |              |
|       |                             | 20                  | 18                       | 610482 |              |

- Material : clamp in reinforced polyamide PA FV (black).
- Max recommended tightening torque : 1,5 Kgm.
- Packaging : 50 pieces.

- Deflection of Part. 339



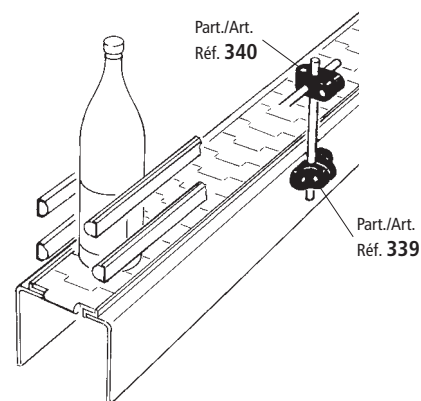
- **Technical data Part. 339**

- sliding load : 650 N
- rotation load : 5 N/m

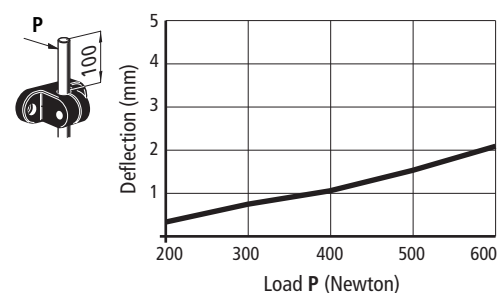
Tests performed at tightening torque : 0,5 Kgm

- **Assembly of Part. 339**

Can be used in combination with Part. 340



- Deflection Part. 595



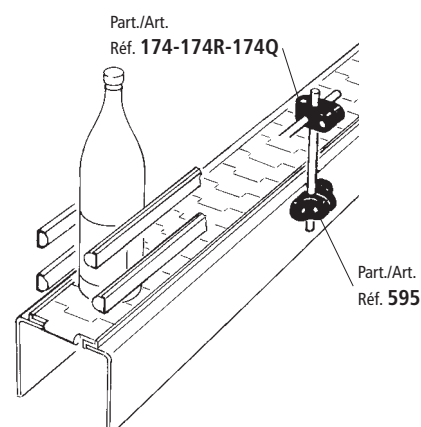
- Technical data Part. 595

- sliding load : 600 N (with d = 16)  
500 N (with d = 18-20)

Tests performed at tightening torque : 1,5 Kgm

- **Assembly of Part. 595**

Can be used in combination with Part. 174-174 R-174 Q

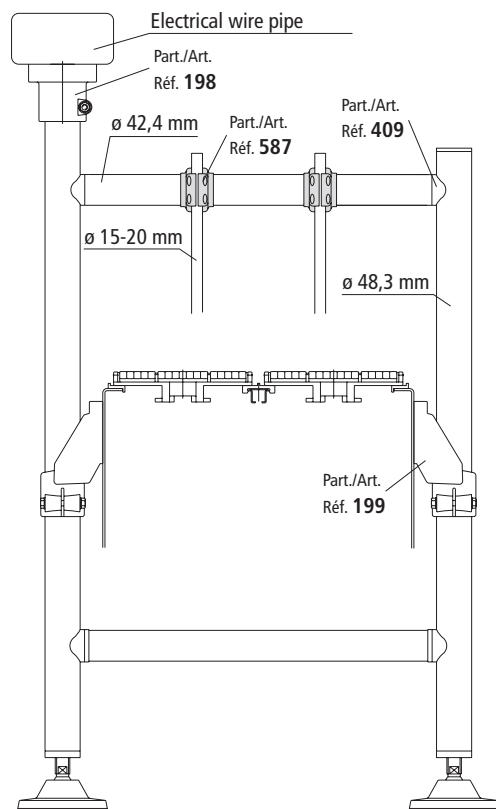




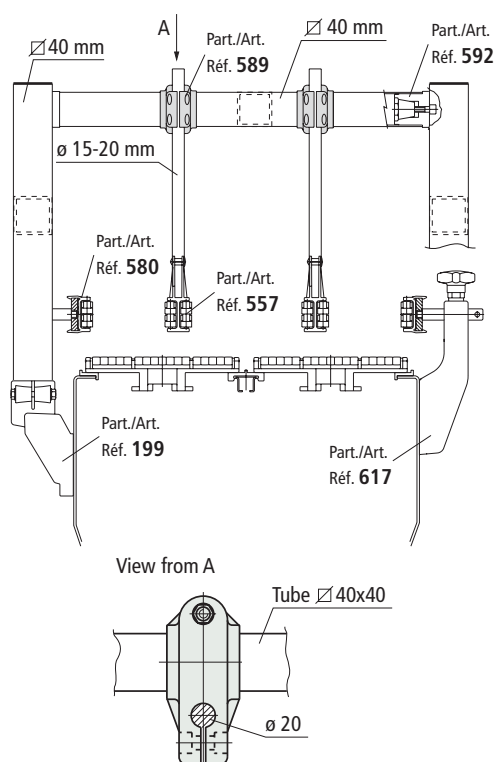
## • Characteristics of Part. 587

The stiffness of Part.587 makes them suitable for wide multistrand conveyors.

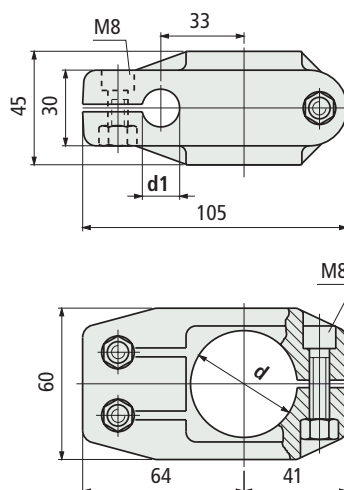
## • Use of Part. 587 (for round tubes)



## • Use of Part. 587 (for square tubes)



## ■ Cross clamp



| Part. | Tube dia.<br>d<br>mm | Rod dia.<br>d1<br>mm | Code               | Weight<br>kg |
|-------|----------------------|----------------------|--------------------|--------------|
| 587   | 42,4 (1" 1/4)        | 15<br>20             | 646292N<br>655382N | 0,18         |

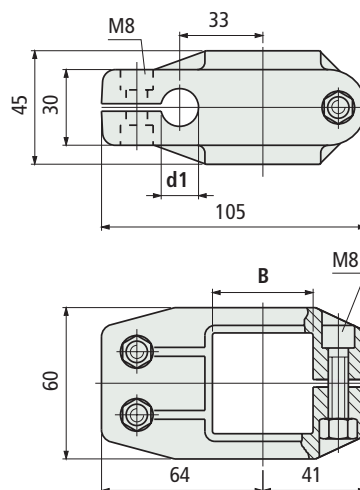
- Material : clamp in reinforced polyamide PA FV (black), tightening screws in stainless steel AISI 304, nuts in nickel plated brass.
- Max recommended tightening torque : 2 Kgm.
- Packaging : 25 pieces.

## Part. 587



Round bore

## ■ Cross clamp



| Part. | Square tube<br>B<br>mm | Rod dia.<br>d1<br>mm | Code               | Weight<br>kg |
|-------|------------------------|----------------------|--------------------|--------------|
| 587   | 40x40                  | 15<br>20             | 655392N<br>646302N | 0,18         |

- Material : clamp in reinforced polyamide PA FV (black), tightening screws in stainless steel AISI 304, nuts in nickel plated brass.
- Max recommended tightening torque : 2 Kgm.
- Packaging : 25 pieces.

## Part. 587



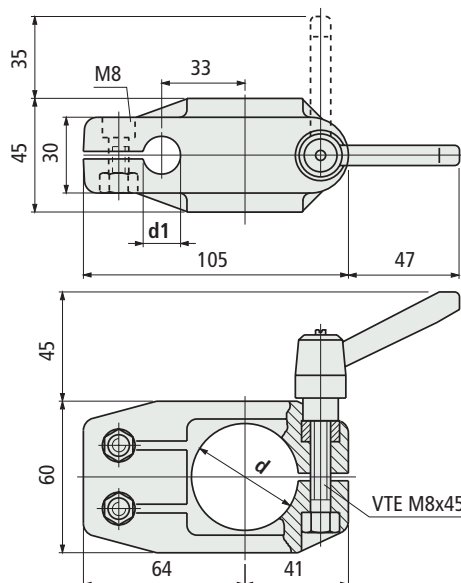
Square bore

# Part. 633



Round bore

## ■ Cross clamp with ratchet handle clamping



| Part. | Tube dia.<br>$d$<br>mm | Rod dia.<br>$d1$<br>mm | Code   | Weight<br>kg |
|-------|------------------------|------------------------|--------|--------------|
| 633   | 42,4 (1" 1/4)          | 15                     | 647152 | 0,23         |
|       |                        | 20                     | 655402 |              |

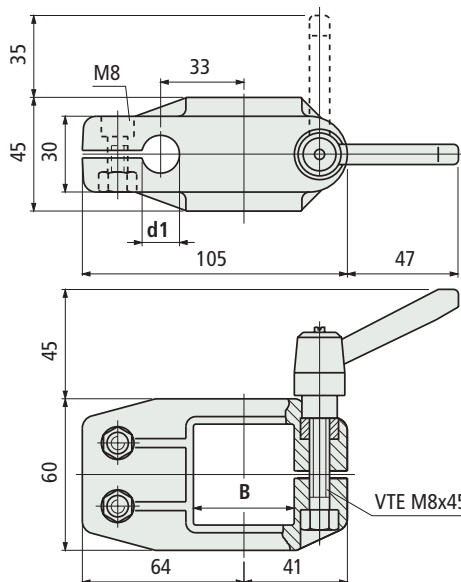
- Material clamp : body in reinforced polyamide PA FV (black), tightening screws in stainless steel AISI 304, nuts in nickel plated brass.
- Material handle : body in reinforced polyamide PA FV (black), threaded insert in nickel plated brass.
- Max recommended tightening torque : 1,5 Kgm (handle), 2 Kgm (screws).
- Packaging : 25 pieces.

# Part. 633



Square bore

## ■ Cross clamp with ratchet handle clamping



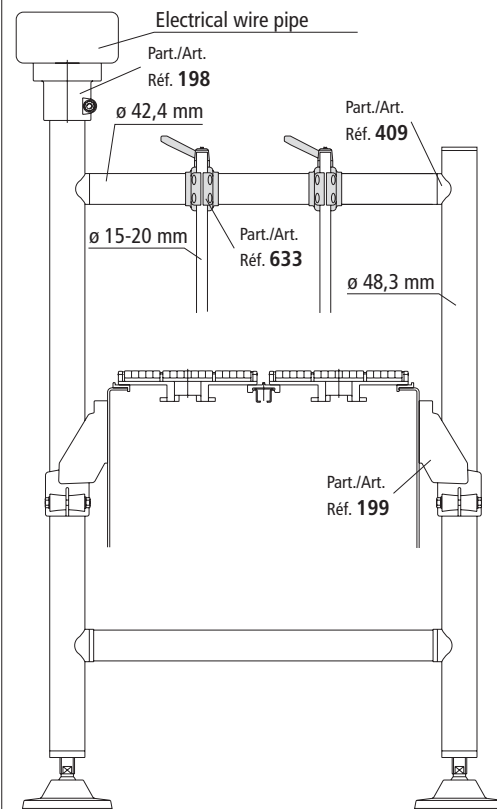
| Part. | Square tube<br>$B$<br>mm | Rod dia.<br>$d1$<br>mm | Code   | Weight<br>kg |
|-------|--------------------------|------------------------|--------|--------------|
| 633   | 40x40                    | 15                     | 655412 | 0,23         |
|       |                          | 20                     | 647162 |              |

- Material clamp : body in reinforced polyamide PA FV (black), tightening screws in stainless steel AISI 304, nuts in nickel plated brass.
- Material handle : body in reinforced polyamide PA FV (black), threaded insert in nickel plated brass.
- Max recommended tightening torque : 1,5 Kgm (handle), 2 Kgm (screws).
- Packaging : 25 pieces.

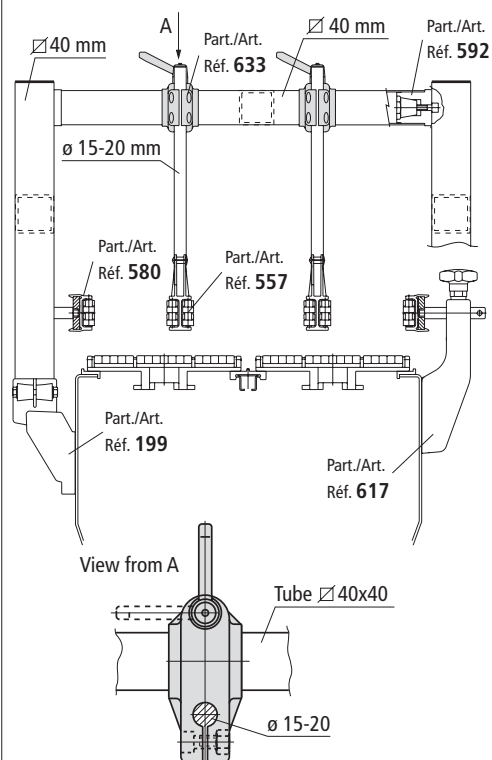
### • Characteristics of Part. 633

Easy and quick adjustment of guides supported by bridge structure.

### • Use of Part. 633 (for round tubes)



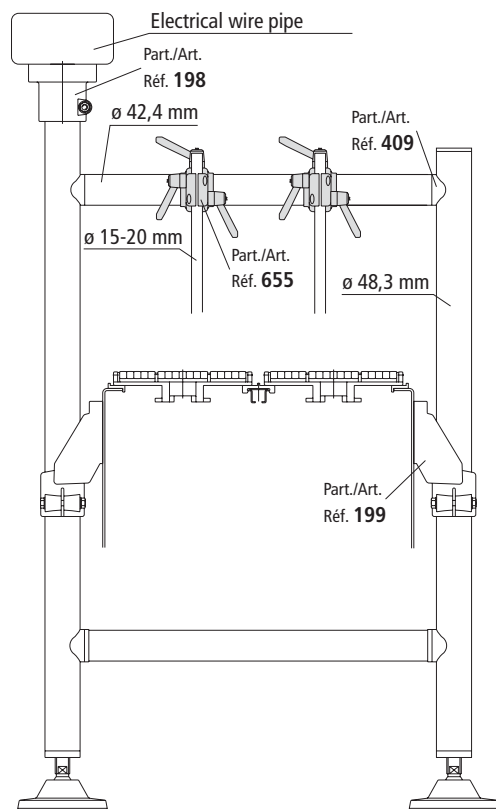
### • Use of Part. 633 (for square tubes)



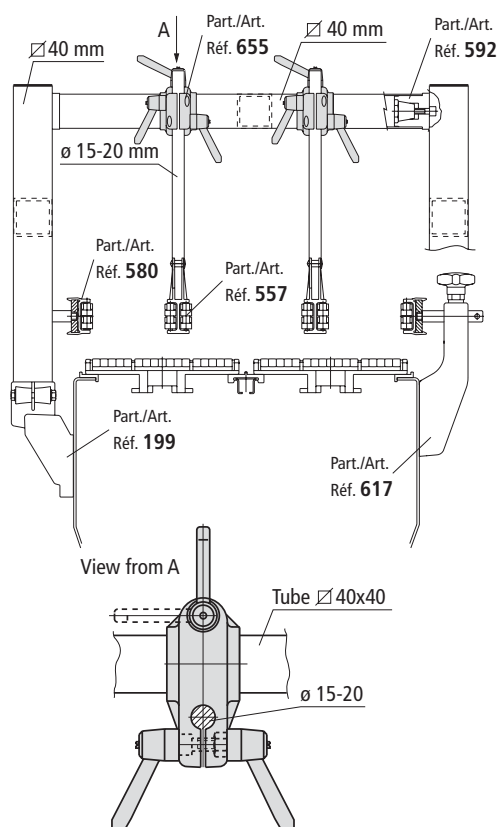
## • Characteristics of Part. 655

Easy and quick adjustment of guides supported by bridge structure.

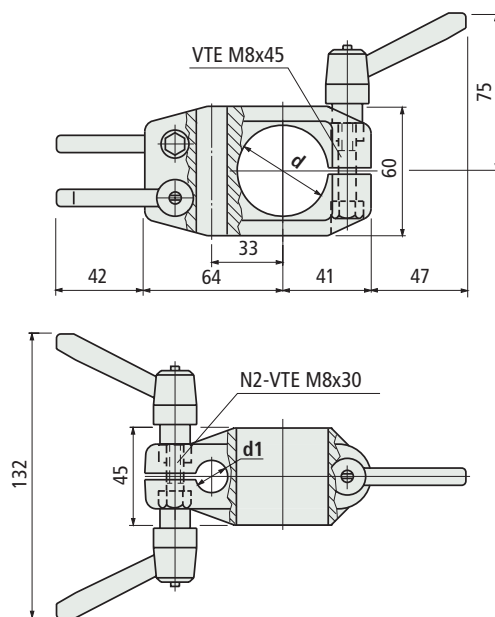
## • Use of Part. 655 (for round tubes)



## • Use of Part. 655 (for square tubes)



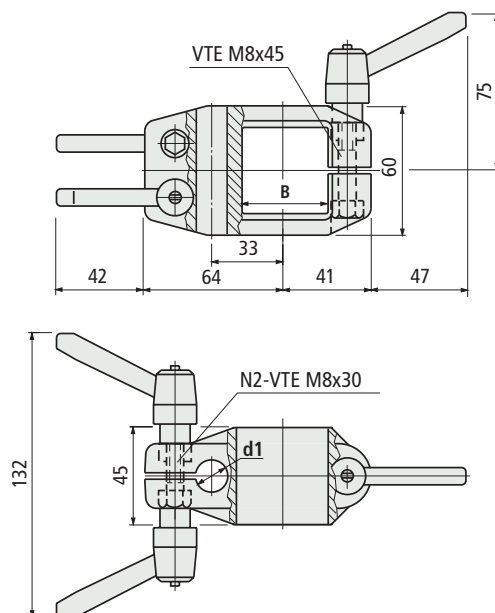
## ■ Cross clamp with ratchet handle clamping



| Part. | Tube dia.<br>d<br>mm | Rod dia.<br>d1<br>mm | Code   | Weight<br>kg |
|-------|----------------------|----------------------|--------|--------------|
| 655   | 42,4 (1" 1/4)        | 15                   | 655422 | 0,28         |
|       |                      | 20                   | 655182 |              |

- Material clamp : body in reinforced polyamide PA FV (black), tightening screws in stainless steel AISI 304.
- Material handles : body in reinforced polyamide PA FV (black), threaded insert in nickel plated brass.
- Max recommended tightening torque : 1,5 Kgm.
- Packaging : 25 pieces.

## ■ Cross clamp with ratchet handle clamping



| Part. | Square tube<br>B<br>mm | Rod dia.<br>d1<br>mm | Code   | Weight<br>kg |
|-------|------------------------|----------------------|--------|--------------|
| 655   | 40x40                  | 15                   | 655432 | 0,28         |
|       |                        | 20                   | 655442 |              |

- Material clamp : body in reinforced polyamide PA FV (black), tightening screws in stainless steel AISI 304.
- Material handles : body in reinforced polyamide PA FV (black), threaded insert in nickel plated brass.
- Max recommended tightening torque : 1,5 Kgm.
- Packaging : 25 pieces.

## Part. 655



Round bore

## Part. 655



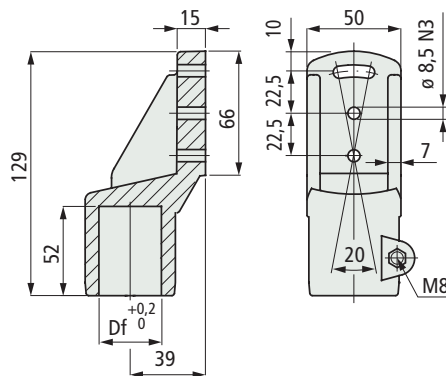
Square bore

# Part. 416



For round tubes

## Side mounting top bracket



| Part. | Tube dia. mm | Bore dia. Df mm | Bolts material | Code   |
|-------|--------------|-----------------|----------------|--------|
| 416   | Ø 33,7 (1")  | 33,7            | AISI 304       | 69668* |

- Material : reinforced polyamide PA FV (black).
- Weight : 0,15 Kg.
- Max recommended tightening torque : 2 Kgm.
- Packaging : 24 pieces.

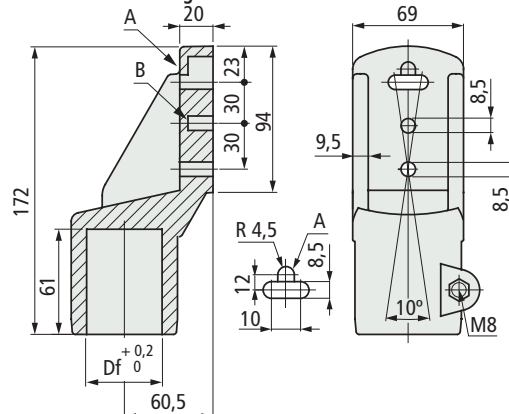
# Part. 199



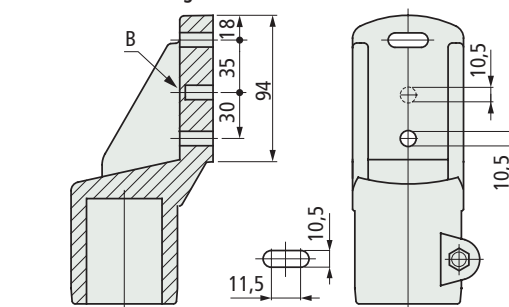
For round and square tubes

## Side mounting top bracket

### Version with fixing holes for M8



### Version with fixing holes for M10



| Part.                                    | Tube dimensions mm | Bore Df mm | Bolts material    | Code    |
|------------------------------------------|--------------------|------------|-------------------|---------|
| <b>Version with fixing holes for M8</b>  |                    |            |                   |         |
|                                          | Ø 48,3 (1 1/2)     | Ø 48,3     | AISI 304          | 59171   |
|                                          | Ø 50,8             | Ø 50,8     | AISI 304          | 664771* |
| 199                                      | 38x38              | 38         | AISI 304          | 611622  |
|                                          |                    |            | Zinc plated steel | 611712  |
|                                          | 40x40              | 40         | AISI 304          | 611632  |
|                                          |                    |            | Zinc plated steel | 611722  |
| <b>Version with fixing holes for M10</b> |                    |            |                   |         |
| 199                                      | Ø 48,3 (1 1/2)     | Ø 48,3     | AISI 304          | 61683*  |

### Version with fixing holes for M8

|     |                |        |                   |         |
|-----|----------------|--------|-------------------|---------|
|     | Ø 48,3 (1 1/2) | Ø 48,3 | AISI 304          | 59171   |
|     | Ø 50,8         | Ø 50,8 | AISI 304          | 664771* |
| 199 | 38x38          | 38     | AISI 304          | 611622  |
|     |                |        | Zinc plated steel | 611712  |
|     | 40x40          | 40     | AISI 304          | 611632  |
|     |                |        | Zinc plated steel | 611722  |

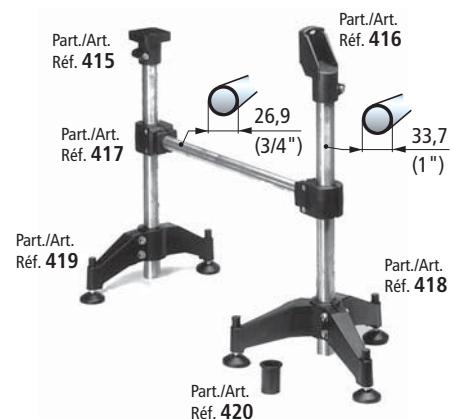
### Version with fixing holes for M10

|     |                |        |          |        |
|-----|----------------|--------|----------|--------|
| 199 | Ø 48,3 (1 1/2) | Ø 48,3 | AISI 304 | 61683* |
|-----|----------------|--------|----------|--------|

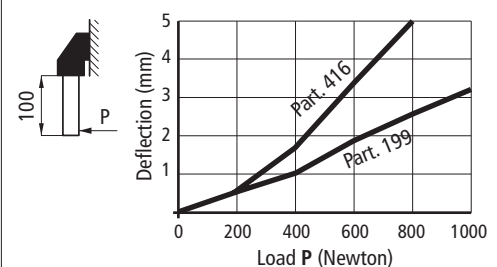
### \* = New product.

- Material : reinforced polyamide PA FV (black).
- Weight : 0,32 Kg.
- Max recommended tightening torque : 2 Kgm.
- Packaging : 24 pieces.

## Assembly of Part. 416



## Deflection of Part. 416 - 199



## Sliding load



- Part. 416 (P = 3300 N)
- Part. 199-Ø48,3 (P = 3600 N)
- Part. 199-38 (P = 2600 N)
- Part. 199-40 (P = 1900 N)

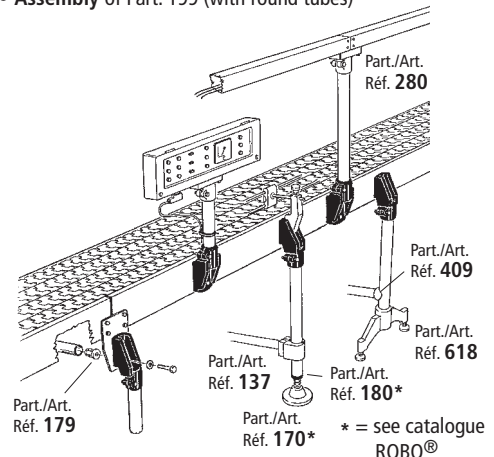
## Breaking load



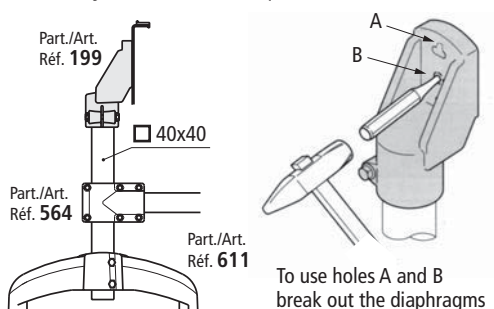
- Part. 416 (P = 21900 N)
- Part. 199 (P = 35900 N)

Tests performed at tightening torque : 2 Kgm

## Assembly of Part. 199 (with round tubes)



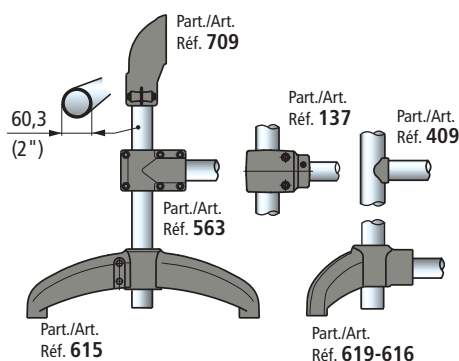
## Assembly of Part. 199 (with square tubes)



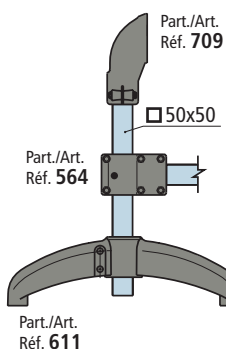
To use holes A and B break out the diaphragms

\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

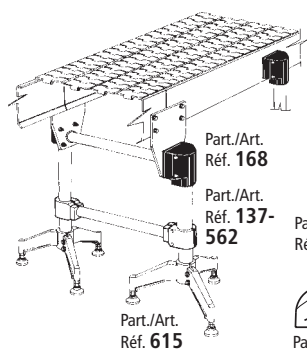
- Assembly of Part. 709 (with round tubes Ø 60,3 mm (2")).



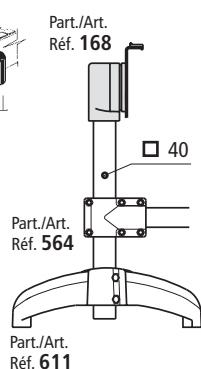
- Assembly of Part. 709 (with square tubes 50x50 mm).



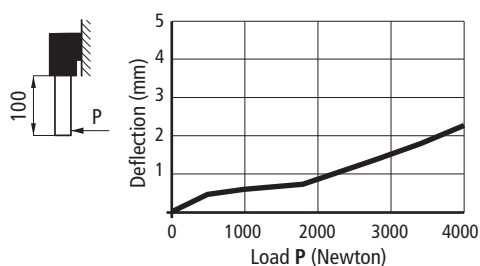
- Assembly of Part. 168 (with round tubes)



- Assembly of Part. 168 (with square tubes)



- Deflection of Part. 168



- Sliding load



With tubes Ø48,3  
(P = 1900 N)  
With tubes 40x40  
(P = 3100 N)

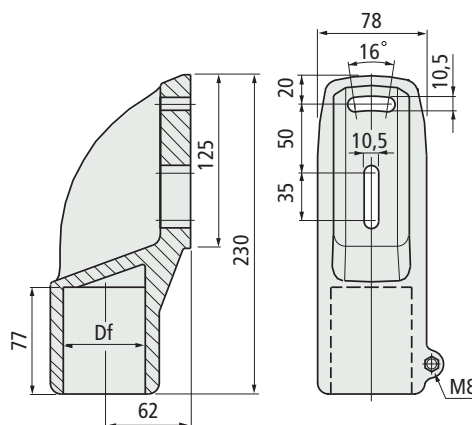
- Breaking load



P = 22300 N

Tests performed at tightening torque : 2 Kgm

## Side mounting top bracket



| Part. | Tube dimensions mm | Bore Df mm | Code   |
|-------|--------------------|------------|--------|
| 709   | Ø 60,3 (2")        | Ø 60,3     | 685322 |
|       | 50x50              | 50         | 685332 |

- Material : bracket in reinforced polyamide PA FV (black).
- Bolts in stainless steel AISI 304.
- Weight : 0,75 Kg.
- Max recommended tightening torque : 2 Kgm.
- Packaging : 12 pieces.

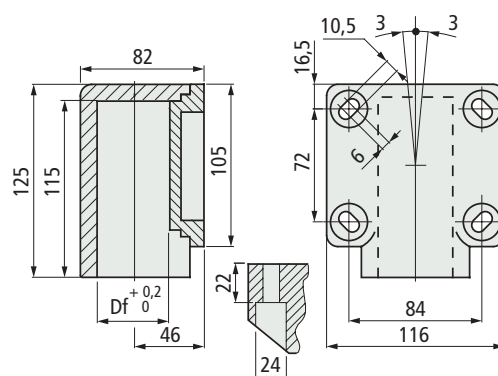
## Part. 709



For round and square tubes

**New Product**

## Side mounting top bracket



| Part. | Tube dimensions mm | Bore Df mm | Code   |
|-------|--------------------|------------|--------|
| 168   | Ø 48,3 (1 1/2)     | Ø 48,3     | 50451  |
|       | 40x40              | 40         | 611672 |

- Material : reinforced polyamide PA FV (black).
- Weight : 0,42 Kg.
- Max recommended tightening torque : 2,5 Kgm.
- Packaging : 8 pieces.

## Part. 168



For round and square tubes

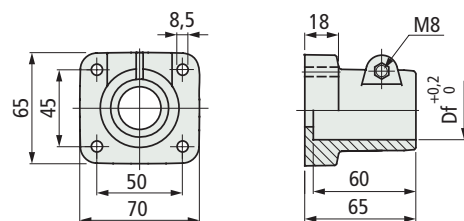


## Part. 415



For round tubes

### ■ Bearing head



| Part. | Tube dia. mm | Bore dia. Df mm | Bolts material | Code  |
|-------|--------------|-----------------|----------------|-------|
| 415   | Ø 33,7 (1")  | 33,7            | AISI 304       | 69658 |

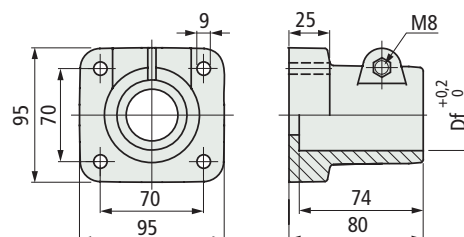
- Material : reinforced polyamide PA FV (black).
- Weight : 0,12 Kg.
- Max recommended tightening torque : 2 Kgm.
- Packaging : 24 pieces.

## Part. 198



For round and square tubes

### ■ Bearing head

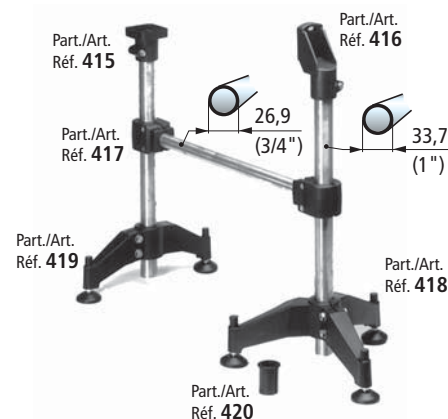


| Part. | Tube dia. mm    | Bore dia. Df mm | Bolts material    | Code     |
|-------|-----------------|-----------------|-------------------|----------|
|       | Ø 48,3 (1" 1/2) | Ø 48,3          | AISI 304          | 59161    |
|       | Ø 50,8          | Ø 50,8          | AISI 304          | 664761 • |
| 198   | 38x38           | 38              | AISI 304          | 611602   |
|       |                 |                 | Zinc plated steel | 611682   |
|       | 40x40           | 40              | AISI 304          | 611612   |
|       |                 |                 | Zinc plated steel | 611692   |

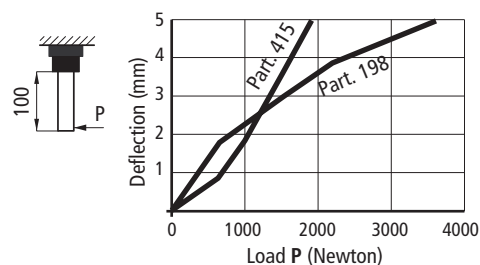
• = New product.

- Material : reinforced polyamide PA FV (black).
- Weight : 0,30 Kg.
- Max recommended tightening torque : 2 Kgm.
- Packaging : 24 pieces.

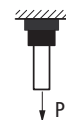
### • Assembly of Part. 415



### • Deflection of Part. 415 - 198



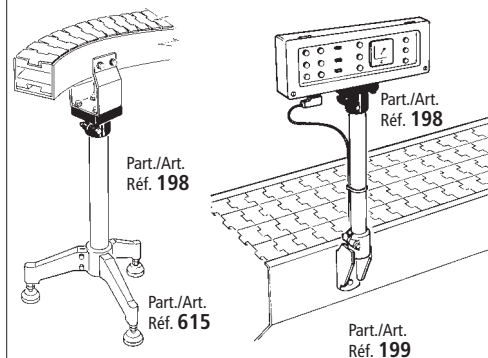
### • Sliding load resistance



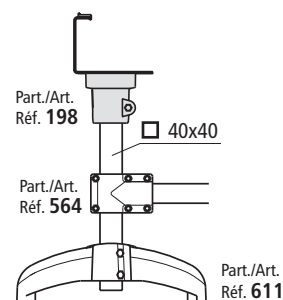
- Part. 415 (P = 1500 N)
- Part. 198-Ø48,3 (P = 1900 N)
- Part. 198-38 (P = 4400 N)
- Part. 198-40 (P = 2300 N)

Tests performed at tightening torque : 2 Kgm

### • Assembly of Part. 198 (with round tubes)

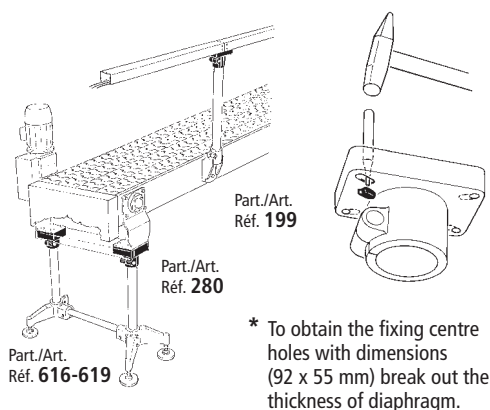


### • Assembly of Part. 198 (with square tubes)

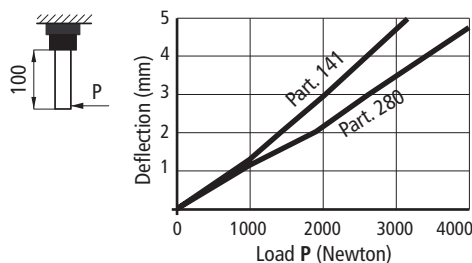




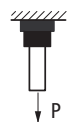
## • Assembly of Part. 280



## • Deflection of Part. 280 - 141



## • Sliding load resistance

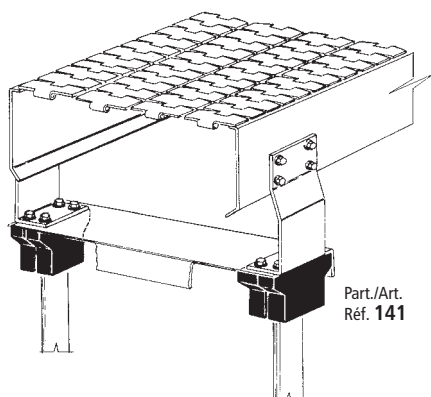


Part. 280 (P = 1900 N)  
Part. 141 (P = 5800 N)

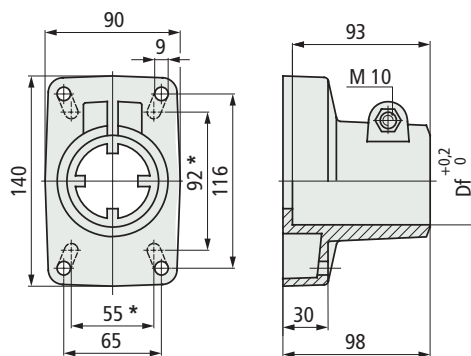
Tests performed at tightening torque :

- 3,5 Kgm (for Part. 280)
- 1 Kgm (for Part. 141)

## • Assembly of Part. 141



## ■ Bearing head



| Part. | Tube dia. mm    | Bore dia. Df mm | Bolts material | Code    |
|-------|-----------------|-----------------|----------------|---------|
|       | Ø 48,3 (1 1/2") | 48,3            | AISI 304       | 63503   |
| 280   | Ø 50,8          | 50,8            | AISI 304       | 664781• |
|       | Ø 60,3 (2")     | 60,3            | AISI 304       | 66781   |

• = New product.

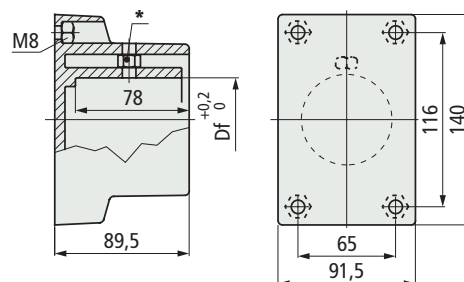
- Material : reinforced polyamide PA FV (black).
- Weight : 0,40 Kg.
- Max recommended tightening torque : 3,5 Kgm.
- Packaging : 8 pieces.

## Part. 280



For round tubes

## ■ Bearing head



\*=M8 seat set screw for tube locking

| Part. | Tube dia. mm | Bore dia. Df mm | Code  |
|-------|--------------|-----------------|-------|
| 141   | Ø 60,3 (2")  | 60,3            | 65660 |

- Material : head in reinforced polyamide PA FV (black). Fixing nuts in zinc plated steel.
- State of supply : without tube tightening screws.
- Weight : 0,53 Kg.
- Max recommended tightening torque : 1 Kgm.
- Packaging : 8 pieces.

## Part. 141



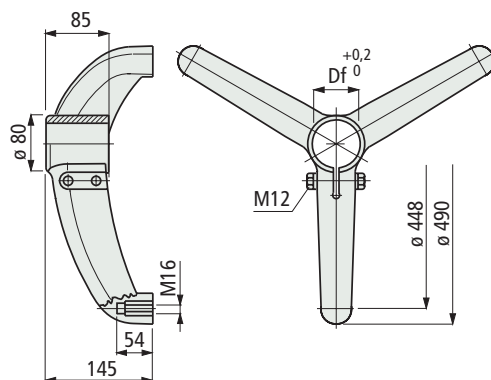
For round tubes

# Part. 615



For round tubes

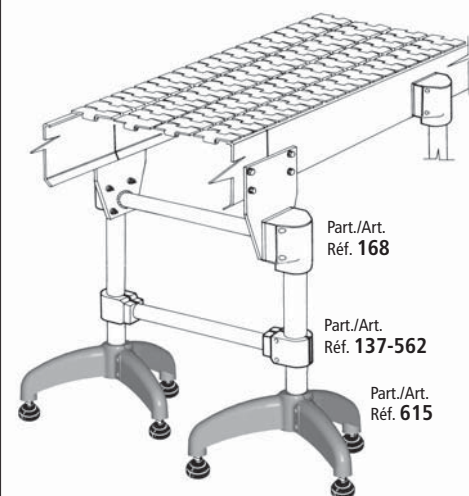
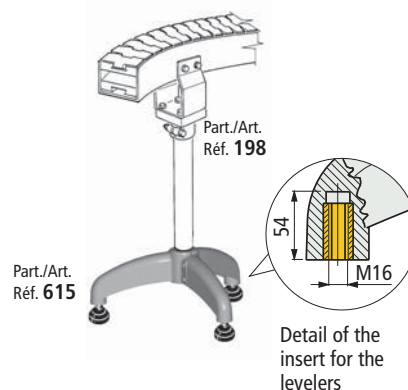
## Support base (tripod)



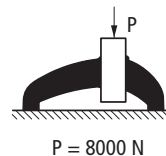
| Part.                                    | Tube dia.<br>mm | Bore dia.<br>Df<br>mm | Code   |
|------------------------------------------|-----------------|-----------------------|--------|
| <b>Bolts in stainless steel AISI 304</b> |                 |                       |        |
| 615                                      | 38,1            | 38,1                  | 624242 |
|                                          | 42,4 (1" 1/4)   | 42,4                  | 624252 |
|                                          | 48,3 (1" 1/2)   | 48,3                  | 624262 |
|                                          | 50,8            | 50,8                  | 624272 |
|                                          | 60,3 (2")       | 60,3                  | 621522 |
| <b>Bolts in zinc plated steel</b>        |                 |                       |        |
| 615                                      | 38,1            | 38,1                  | 638742 |
|                                          | 42,4 (1" 1/4)   | 42,4                  | 638752 |
|                                          | 48,3 (1" 1/2)   | 48,3                  | 638762 |
|                                          | 50,8            | 50,8                  | 638772 |
|                                          | 60,3 (2")       | 60,3                  | 638782 |

- Material : support base in reinforced polyamide PA FV (black), brass threaded bushings.
- Weight : 1,45 Kg.
- Max recommended tightening torque : 3,6 Kgm.
- Packaging : 8 pieces.

## Assembly of Part. 615

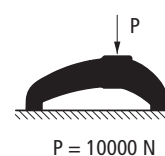


## Sliding load resistance



P = 8000 N

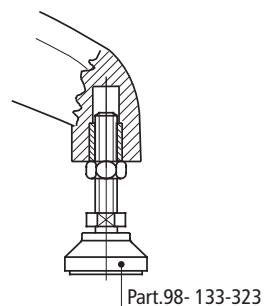
## Max applicable load



P = 10000 N

Tests performed at tightening torque : 3,6 Kgm

## Types of levelers that can be used



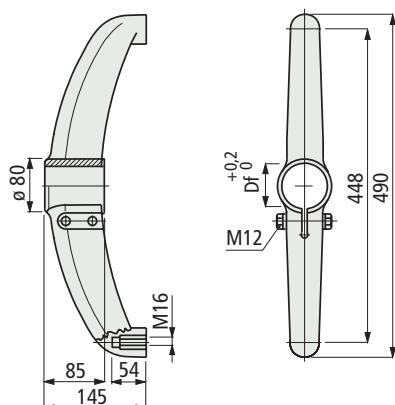


# Part. 618



For round tubes

## Support base (bipod)



| Part.                                    | Tube dia. mm  | Bore dia. Df mm | Code   |
|------------------------------------------|---------------|-----------------|--------|
| <b>Bolts in stainless steel AISI 304</b> |               |                 |        |
| 618                                      | 38,1          | 38,1            | 624282 |
|                                          | 42,4 (1" 1/4) | 42,4            | 624292 |
|                                          | 48,3 (1" 1/2) | 48,3            | 624302 |
|                                          | 50,8          | 50,8            | 624312 |
|                                          | 60,3 (2")     | 60,3            | 624322 |
| <b>Bolts in zinc plated steel</b>        |               |                 |        |
| 618                                      | 38,1          | 38,1            | 638792 |
|                                          | 42,4 (1" 1/4) | 42,4            | 638802 |
|                                          | 48,3 (1" 1/2) | 48,3            | 638812 |
|                                          | 50,8          | 50,8            | 638822 |
|                                          | 60,3 (2")     | 60,3            | 638832 |

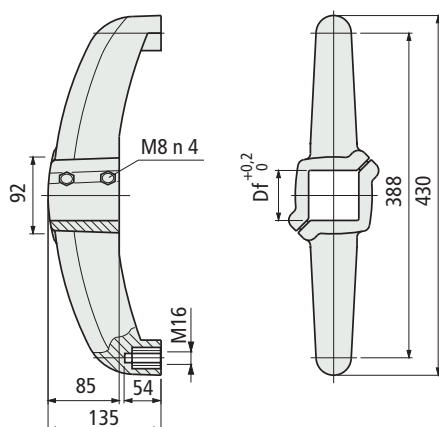
- Material : support base in reinforced polyamide PA FV (black), brass threaded bushings.
- Weight : 1,05 Kg.
- Max recommended tightening torque : 3,6 Kgm.
- Packaging : 12 pieces.

# Part. 611



For square tubes

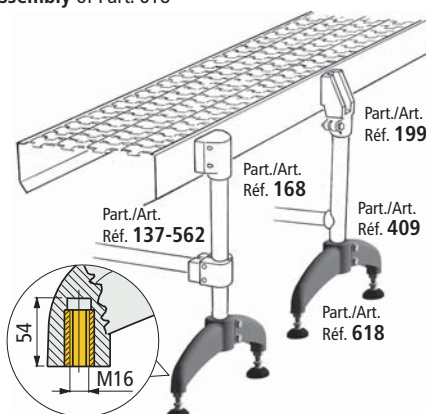
## Support base (bipod)



| Part. | Tube dimensions mm | Bore Df mm | Code          |
|-------|--------------------|------------|---------------|
| 611   | 40x40              | 40         | 615542 616082 |
|       | 50x50              | 50         | 615552 616092 |
|       | 60x60              | 60         | 615562 616102 |

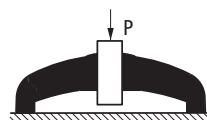
- Material : support base in reinforced polyamide PA FV (black), bolts in stainless steel AISI 304, tightening bushes in nickel plated brass, brass threaded bushings.
- Max recommended tightening torque : 2,5 Kgm.
- Weight : 0,9 Kg.
- Packaging : 10 pieces (20 half bases).

## Assembly of Part. 618

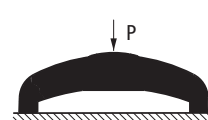


Detail of the insert for the levelers

## Sliding load resistance

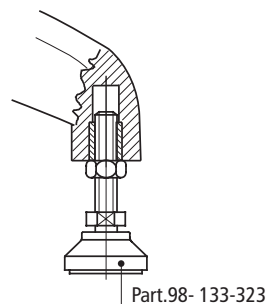

Part. 618 (P = 8000 N)  
Part. 611 (P = 8000 N)

## Max applicable load

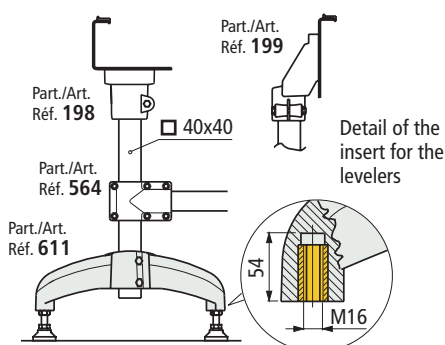

Part. 618 (P = 9600 N)  
Part. 611 (P = 8000 N)

Tests performed at tightening torque : 3,6 Kgm (Part. 618), 2,5 Kgm (Part. 611)

## Types of levelers that can be used



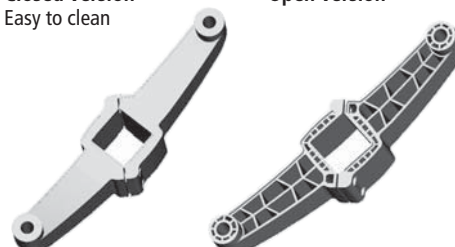
## Assembly of Part. 611



## Part. 611 available versions

Closed version  
Easy to clean

Open version



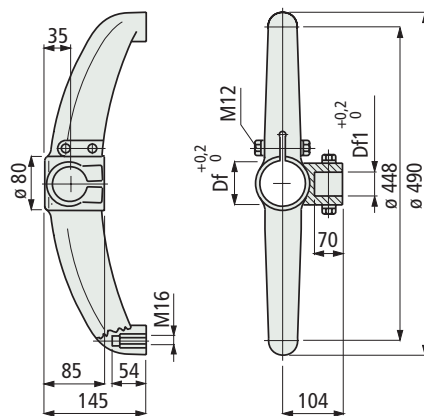


## Part. 619



### For round tubes

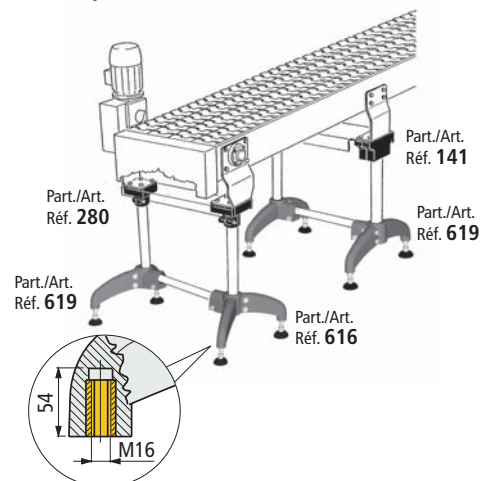
■ Support base (bipod)



| Part.                                    | Vertical tube<br>dia.<br>mm | Horizontal tube<br>dia.<br>mm | Bore dia.<br>Df<br>mm | Bore dia.<br>Df1<br>mm | Code    |
|------------------------------------------|-----------------------------|-------------------------------|-----------------------|------------------------|---------|
| <b>Bolts in stainless steel AISI 304</b> |                             |                               |                       |                        |         |
|                                          | 42,4 (1 " 1/4)              | 42,4 (1 " 1/4)                | 42,4                  | 42,4                   | 624352  |
|                                          | 48,3 (1 " 1/2)              | 42,4 (1 " 1/4)                | 48,3                  | 42,4                   | 624372  |
| 619                                      | 48,3 (1 " 1/2)              | 48,3 (1 " 1/2)                | 48,3                  | 48,3                   | 692052● |
|                                          | 50,8                        | 42,4 (1 " 1/4)                | 50,8                  | 42,4                   | 624402  |
|                                          | 60,3 (2 ")                  | 42,4 (1 " 1/4)                | 60,3                  | 42,4                   | 624432  |
| <b>Bolts in zinc plated steel</b>        |                             |                               |                       |                        |         |
|                                          | 42,4 (1 " 1/4)              | 42,4 (1 " 1/4)                | 42,4                  | 42,4                   | 638842  |
|                                          | 48,3 (1 " 1/2)              | 42,4 (1 " 1/4)                | 48,3                  | 42,4                   | 638852  |
| 619                                      | 48,3 (1 " 1/2)              | 48,3 (1 " 1/2)                | 48,3                  | 48,3                   | 600213● |
|                                          | 50,8                        | 42,4 (1 " 1/4)                | 50,8                  | 42,4                   | 638862  |
|                                          | 60,3 (2 ")                  | 42,4 (1 " 1/4)                | 60,3                  | 42,4                   | 638872  |

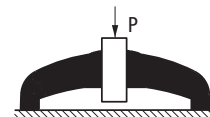
- = *New product.*
- Material : support base in reinforced polyamide PA FV (black), brass threaded bushings.
- Weight : 1,05 Kg.
- Max recommended tightening torque : 3,6 Kgm.
- Packaging : 12 pieces.

- **Assembly of Part. 619**

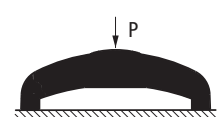


### Detail of the insert for the levelers

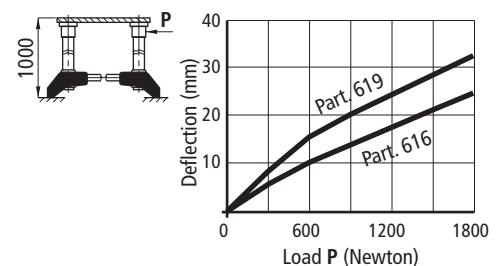
- Sliding load resistance


$$P = 8000 \text{ N.}$$

- Max applicable load

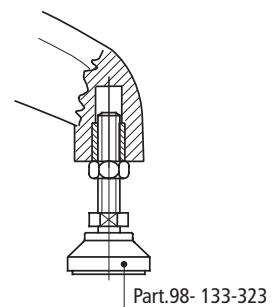

$$P = 8000 \text{ N.}$$

- Deflection



Tests performed at tightening torque : 3,6 Kgm

- Types of levelers that can be used





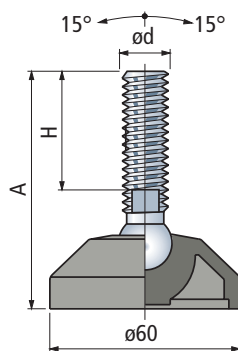


for Part. 615 - 618 - 611 - 619 - 616

## Part. 98

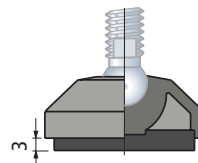


## ■ Articulated feet



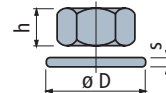
## • Accessories

Anti-slip



- Code : 630022.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

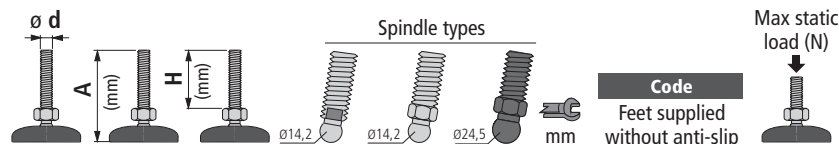
Nut + Washer



Code

| Stainless steel<br>AISI 304 | Zinc plated<br>steel | h<br>mm | h<br>mm | øD<br>mm | s<br>mm |
|-----------------------------|----------------------|---------|---------|----------|---------|
| M16                         | 630212               | 630142  | 13      | 24       | 30 3    |

Packaging : 8 pieces.



## Spindle in stainless steel AISI 303

|      |     |     |    |   |   |    |           |       |
|------|-----|-----|----|---|---|----|-----------|-------|
| M 16 | 100 | 64  | 1a | - | - | 13 | 98/626012 | 10000 |
|      | 115 | 81  | 1a | - | - | 13 | 98/626022 |       |
|      | 160 | 124 | 1a | - | - | 13 | 98/626032 |       |

## Spindle in zinc plated steel

|      |     |     |    |    |   |    |           |       |
|------|-----|-----|----|----|---|----|-----------|-------|
| M 16 | 95  | 61  | 1a | -  | - | 13 | 98/626102 | 10000 |
|      | 100 | 68  | -  | 2b | - | 16 | 98/674171 |       |
|      | 125 | 89  | -  | 2b | - | 16 | 98/685741 |       |
|      | 130 | 96  | 1a | -  | - | 13 | 98/626112 |       |
|      | 150 | 116 | 1a | -  | - | 13 | 98/626122 |       |

## Spindle in reinforced polyamide (black) with steel pin

|      |     |    |   |   |   |    |          |      |
|------|-----|----|---|---|---|----|----------|------|
| M 16 | 100 | 54 | - | - | 3 | 24 | 98/61920 | 6000 |
|------|-----|----|---|---|---|----|----------|------|

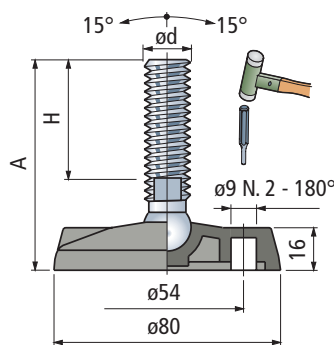
- Use : in combination with support bases Part. 615-618-611-619-616.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces.
- Anti-slip supplied separately.

## Part. 323



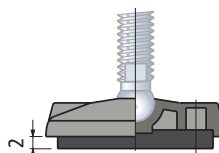
## ■ Articulated feet

Fixing holes, obtainable by breaking "diaphragm".



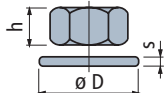
## • Accessories

Anti-slip



- Code : 630042.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

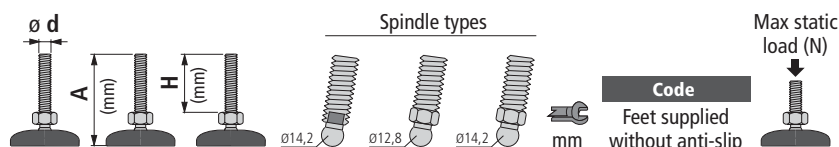
Nut + Washer



Code

| Stainless steel<br>AISI 304 | Zinc plated<br>steel | h<br>mm | h<br>mm | øD<br>mm | s<br>mm |
|-----------------------------|----------------------|---------|---------|----------|---------|
| M16                         | 630212               | 630142  | 13      | 24       | 30 3    |

Packaging : 8 pieces.



## Spindle in stainless steel AISI 303

|      |     |     |    |    |   |  |            |       |
|------|-----|-----|----|----|---|--|------------|-------|
| M 16 | 95  | 64  | 1a | -  | - |  | 323/626582 | 10000 |
|      | 100 | 72  | -  | 2a | - |  | 323/626852 | 9000  |
|      | 110 | 81  | 1a | -  | - |  | 323/626592 | 10000 |
|      | 155 | 124 | 1a | -  | - |  | 323/626602 |       |

## Spindle in zinc plated steel

|      |     |     |    |   |    |    |             |       |
|------|-----|-----|----|---|----|----|-------------|-------|
| M 16 | 95  | 68  | -  | - | 2b | 16 | 323/62353N  | 10000 |
|      | 115 | 89  | -  | - | 2b | 16 | 323/686001N |       |
|      | 125 | 96  | 1a | - | -  | 13 | 323/626682  |       |
|      | 145 | 116 | 1a | - | -  | 13 | 323/626692  |       |
|      | 150 | 124 | -  | - | 2b | 16 | 323/69935N  |       |

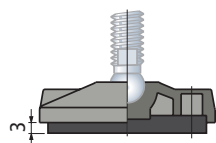
- Use : in combination with support bases Part. 615-618-611-619-616.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces.
- Anti-slip supplied separately.

# Articulated Feet

for Part. 615 - 618 - 611 - 619 - 616

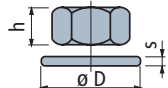
## • Accessories

### Anti-slip



- Code : **630052**.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

### Nut + Washer



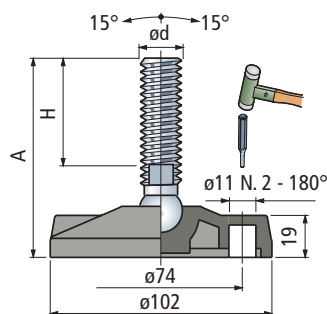
#### Code

|     | Stainless steel<br>AISI 304 | Zinc plated<br>steel | h<br>mm | s<br>mm | øD<br>mm |
|-----|-----------------------------|----------------------|---------|---------|----------|
| M16 | 630212                      | 630142               | 13      | 24      | 30       |

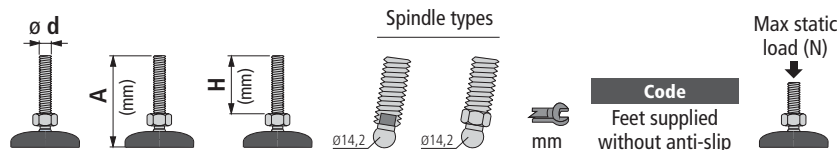
Packaging : 8 pieces.

## ■ Articulated feet

Fixing holes, obtainable by breaking "diaphragm".



## Part. 133



### Spindle in stainless steel AISI 303

|      | 100 | 64  | 1a | - | 13 | Code       |       |
|------|-----|-----|----|---|----|------------|-------|
| M 16 | 115 | 81  | 1a | - | 13 | 133/633212 | 12000 |
|      | 160 | 124 | 1a | - | 13 | 133/633222 |       |

### Spindle in zinc plated steel

|      | 95  | 61  | 1a | -  | 13 | Code        |       |
|------|-----|-----|----|----|----|-------------|-------|
| M 16 | 100 | 68  | -  | 2b | 16 | 133/679711N | 12000 |
|      | 125 | 89  | -  | 2b | 16 | 133/686421N |       |
|      | 130 | 96  | 1a | -  | 13 | 133/633302  |       |
|      | 150 | 116 | 1a | -  | 13 | 133/633312  |       |

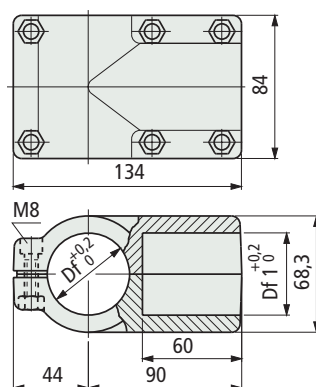
- Use : in combination with support bases Part. 615-618-611-619-616.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces.
- Anti-slip supplied separately.

## Part. 562



For round tubes

### ■ Connecting joint



| Part. | Vertical tube dia. mm | Horizontal tube dia. mm | Bore dia. Df mm | Bore dia. Df1 mm | Code   |
|-------|-----------------------|-------------------------|-----------------|------------------|--------|
| 562   | Ø 33,7 (1")           | Ø 33,7 (1")             | 33,7            | 33,7             | 697831 |
|       | Ø 38,1                | Ø 33,7 (1")             | 38,1            | 33,7             | 605852 |
|       |                       | Ø 38,1                  | 38,1            | 38,1             | 697841 |
|       | Ø 42,4 (1 1/4)        | Ø 33,7 (1")             | 42,4            | 33,7             | 607092 |
|       |                       | Ø 33,7 (1")             | 48,3            | 33,7             | 605862 |
|       |                       | Ø 38,1                  | 48,3            | 38,1             | 697851 |
|       | Ø 48,3 (1 1/2)        | Ø 42,4 (1 1/4)          | 48,3            | 42,4             | 607102 |
|       |                       | Ø 48,3 (1 1/2)          | 48,3            | 48,3             | 697861 |

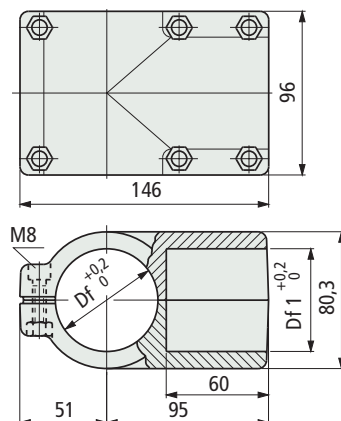
- Material : joint in reinforced polyamide PA FV (black). Tightening screws in stainless steel AISI 304, nuts in nickel plated brass.
- Weight : 0,4 Kg.
- Max recommended tightening torque : 1,5 Kgm.
- Packaging : 8 pieces.

## Part. 563



For round tubes

### ■ Connecting joint



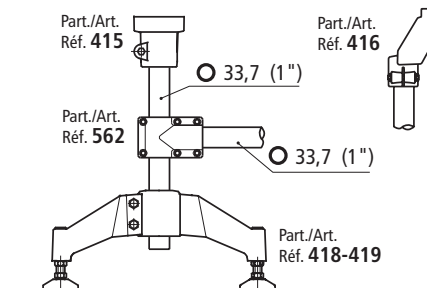
| Part. | Vertical tube dia. mm | Horizontal tube dia. mm | Bore dia. Df mm | Bore dia. Df1 mm | Code    |
|-------|-----------------------|-------------------------|-----------------|------------------|---------|
|       |                       | Ø 33,7 (1")             | 50,8            | 33,7             | 697871  |
|       |                       | Ø 42,4 (1 1/4)          | 50,8            | 42,4             | 605892  |
|       |                       | Ø 48,3 (1 1/2)          | 50,8            | 48,3             | 605872  |
|       |                       | Ø 50,8                  | 50,8            | 50,8             | 669512* |
| 563   |                       | Ø 33,7 (1")             | 60,3            | 33,7             | 605882  |
|       |                       | Ø 42,4 (1 1/4)          | 60,3            | 42,4             | 605562  |
|       |                       | Ø 48,3 (1 1/2)          | 60,3            | 48,3             | 697881  |
|       |                       | Ø 60,3 (2")             | 60,3            | 60,3             | 697891  |

\* = New product.

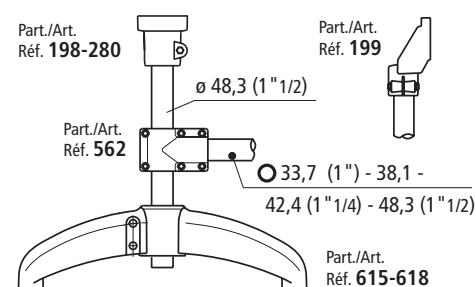
- Material : joint in reinforced polyamide PA FV (black). Tightening screws in stainless steel AISI 304, nuts in nickel plated brass.
- Weight : 0,5 Kg.
- Max recommended tightening torque : 1,5 Kgm.
- Packaging : 8 pieces.

### • Assembly of Part. 562

Example of assembly with vertical tubes Ø 33,7 mm

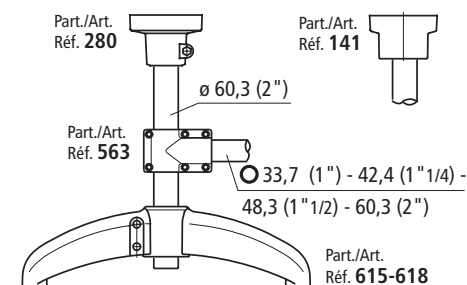


Example of assembly with vertical tubes Ø 48,3 mm

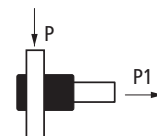


### • Assembly of Part. 563

Example of assembly with vertical tubes Ø 60,3 mm



### • Sliding load resistance

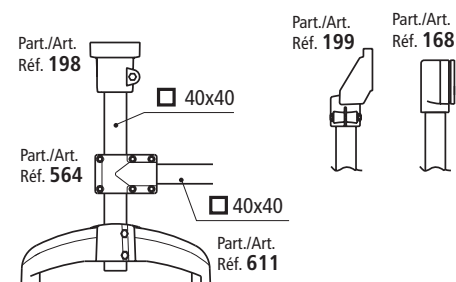


Part. 562 (P = 2000 N) - (P1 = 3500 N)  
Part. 563 (P = 1500 N) - (P1 = 3000 N)

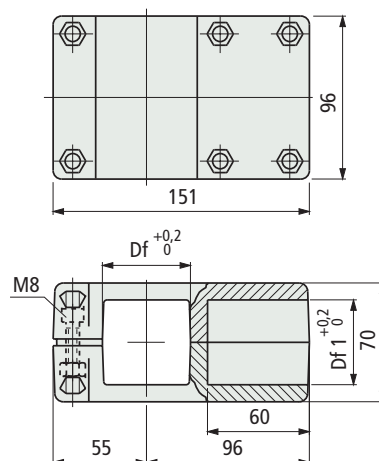
Tests performed at tightening torque : 1,5 Kgm

## • Assembly of Part. 564

Example of assembly with vertical tubes  $\nabla$  40 mm



## ■ Connecting joint



For square tubes

| Part. | Tube dimensions mm | Bore Df mm  | Bore Df1 mm | Code   |
|-------|--------------------|-------------|-------------|--------|
| 564   | $\nabla$ 38x38     | $\nabla$ 38 | $\nabla$ 38 | 698531 |
|       | $\nabla$ 40x40     | $\nabla$ 40 | $\nabla$ 40 | 698541 |
|       | $\nabla$ 45 x45    | $\nabla$ 45 | $\nabla$ 45 | 607112 |
|       | $\nabla$ 50x50     | $\nabla$ 50 | $\nabla$ 50 | 698551 |

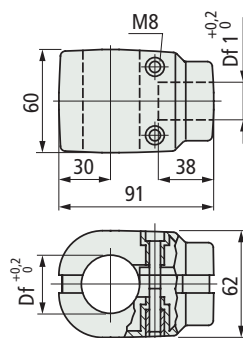
- Material : joint in reinforced polyamide PA FV (black).  
Tightening screws in stainless steel AISI 304, nuts in nickel plated brass.
- Weight : 0,5 Kg.
- Max recommended tightening torque : 1,5 Kgm.
- Packaging : 8 pieces.

## Part. 417



For round tubes

### ■ Connecting joint



| Part. | Vertical tube<br>dia.<br>mm | Horizontal tube<br>dia.<br>mm | Bore dia.<br>Df<br>mm | Bore dia.<br>Df1<br>mm | Code  |
|-------|-----------------------------|-------------------------------|-----------------------|------------------------|-------|
| 417   | Ø 33,7 (1")                 | Ø 26,9 (3/4")                 | 33,7                  | 26,9                   | 69368 |

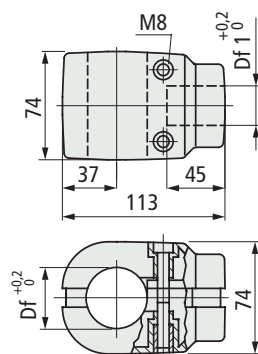
- Material : joint in reinforced polyamide PA FV (black).  
Tightening bolts in stainless steel AISI 304.
- Weight : 0,21 Kg.
- Max recommended tightening torque : 2 Kgm.
- Packaging : 24 pieces.

## Part. 454



For round tubes

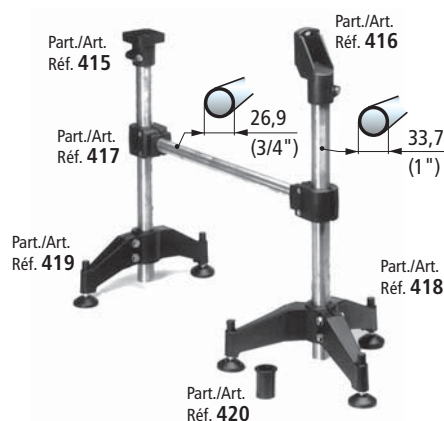
### ■ Connecting joint



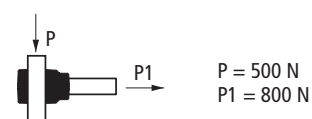
| Part. | Vertical tube<br>dia.<br>mm | Horizontal tube<br>dia.<br>mm | Bore dia.<br>Df<br>mm | Bore dia.<br>Df1<br>mm | Code  |
|-------|-----------------------------|-------------------------------|-----------------------|------------------------|-------|
| 454   | Ø 42,4 (1 1/4")             | Ø 33,7 (1")                   | 42,4                  | 33,7                   | 69378 |

- Material : joint in reinforced polyamide PA FV (black).  
Tightening bolts in stainless steel AISI 304.
- Weight : 0,36 Kg.
- Max recommended tightening torque : 2 Kgm.
- Packaging : 12 pieces.

### • Assembly of Part. 417



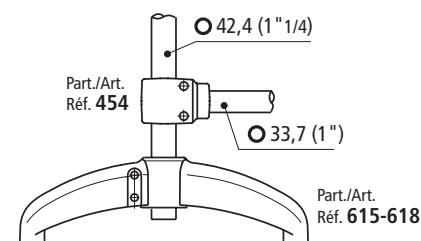
### • Sliding load resistance



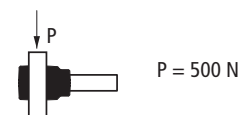
Tests performed at tightening torque : 2 Kgm

### • Assembly of Part. 454

Example of assembly with vertical tubes Ø 42,4 mm



### • Sliding load resistance

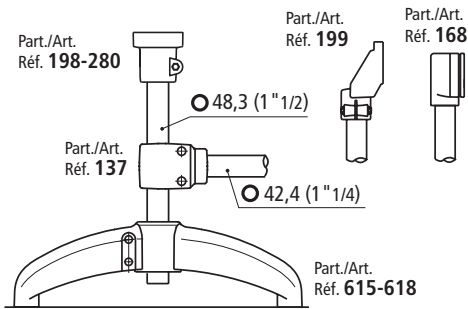


Tests performed at tightening torque : 2 Kgm

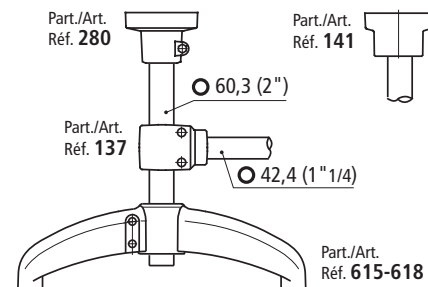


## • Assembly of Part. 137

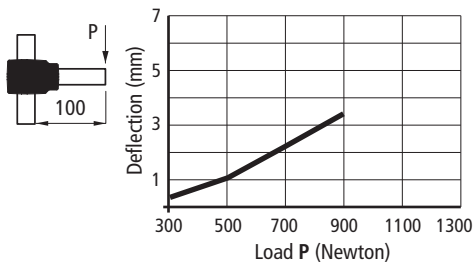
Example of assembly with vertical tubes  $\varnothing 48,3$  mm



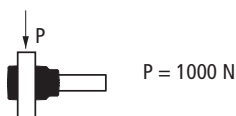
Example of assembly with vertical tubes  $\varnothing 60,3$  mm



## • Deflection

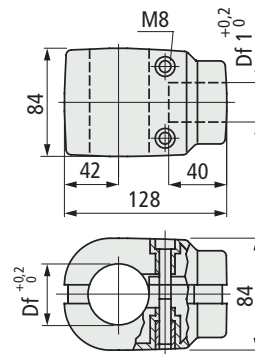


## • Sliding load resistance



Tests performed at tightening torque : 1 Kgm

## ■ Connecting joint



| Part. | Vertical tube<br>dia.<br>mm | Horizontal tube<br>dia.<br>mm | Bore dia.<br>Df<br>mm | Bore dia.<br>Df1<br>mm | Code  |
|-------|-----------------------------|-------------------------------|-----------------------|------------------------|-------|
| 137   | $\varnothing 48,3$ (1 1/2)  | $\varnothing 42,4$ (1 1/4)    | 48,3                  | 42,4                   | 66813 |
|       | $\varnothing 60,3$ (2")     | $\varnothing 42,4$ (1 1/4)    | 60,3                  | 42,4                   | 65020 |

- Material : joint in reinforced polyamide PA FV (black).  
Tightening screws in stainless steel AISI 304, cadmium plated brass threaded bushings.
- Weight : 0,44 Kg.
- Max recommended tightening torque : 1 Kgm.
- Packaging : 8 pieces.

## Part. 137

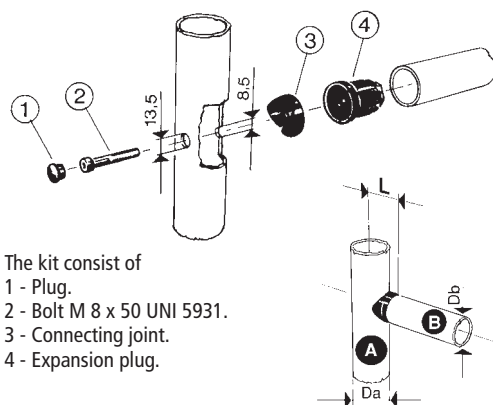


For round tubes

## Part. 409



### Connecting joint



The kit consist of

- 1 - Plug.
- 2 - Bolt M 8 x 50 UNI 5931.
- 3 - Connecting joint.
- 4 - Expansion plug.

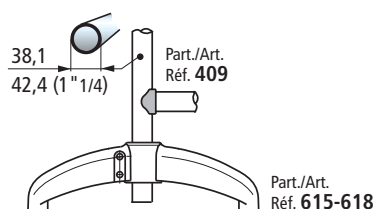
| Part. | Tube A dia. <sup>1)</sup><br>Da<br>mm | Tube B dia.<br>Db<br>mm | Tube B<br>Thickness<br>mm | Code   | L<br>mm |
|-------|---------------------------------------|-------------------------|---------------------------|--------|---------|
| 409   | Ø 38                                  | Ø 38                    | 1,5                       | 63277* | 31      |
|       | Ø 42,4 (1" 1/4)                       | Ø 38                    | 1,5                       | 63287* | 33,2    |
|       |                                       | Ø 42,4 (1" 1/4)         | 1,5                       | 63337  |         |
|       | Ø 48,3 (1" 1/2)                       | Ø 38                    | 1,5                       | 63297  | 36,2    |
|       |                                       | Ø 42,4 (1" 1/4)         | 1,5                       | 63347  |         |
|       | Ø 60,3 (2")                           | Ø 42,4 (1" 1/4)         | 1,5                       | 63357  | 42,2    |

1) = Various dimensions

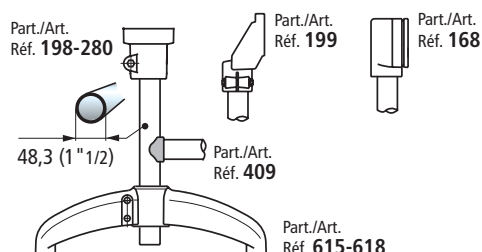
- Material : Plug in PVC (black). Bolt in stainless steel AISI 304. Connecting joint in reinforced polyamide PA FV (black). Expansion plug : body in reinforced polyamide PA FV (black), cone in brass.
- Weight : 0,29 Kg.
- Max recommended tightening torque : 2,5 Kgm.
- Packaging : 50 Kit.

### Assembly of Part. 409

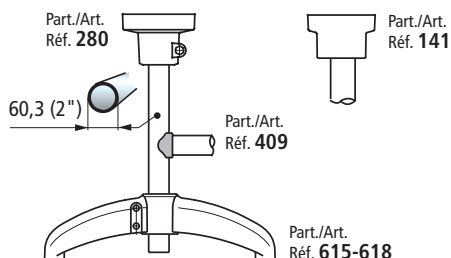
Example of assembly with vertical tubes Ø 38,1 and 42,4 mm



Example of assembly with vertical tubes Ø 48,3 mm



Example of assembly with vertical tubes Ø 60,3 mm

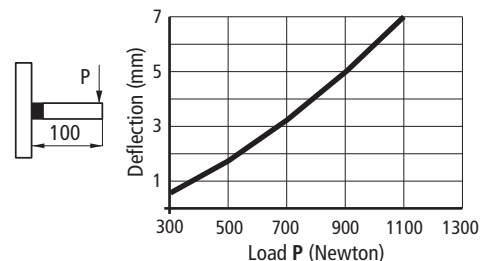


\* = items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

### Characteristics

High sanitation. Allows connection joints at any angle.

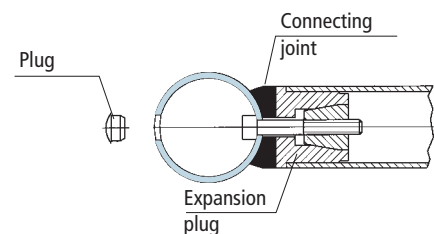
### Deflection



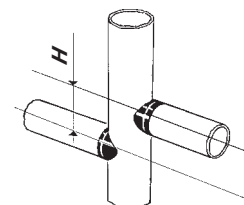
Tests performed at tightening torque : 2,5 Kgm

### Assembly

When the screw is tightened the plug expands and locks axially with the tube.



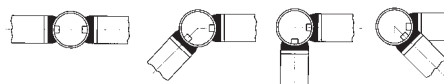
### Offset tube joints



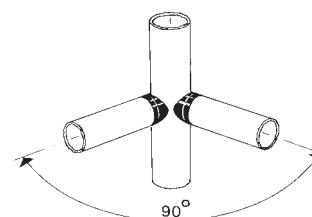
Minimum offset value

H min = 47 (for code : 63357 - 63347 - 63337)  
H min = 43 (for code : 63297 - 63287 - 63277)

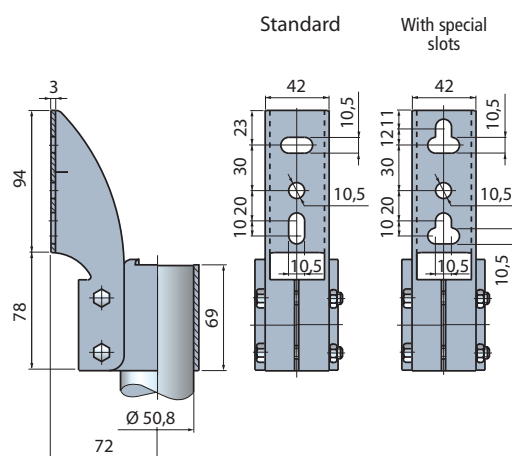
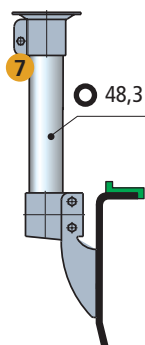
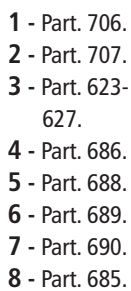
Connections can be made at any angle.  
Offsetting the connections allow entry of the bolt and wrench.



### Coaxial tube joints



With more than one Ø 60,3 x 42,4 tube (code 63357) at the same point, only 90 joints can be made.



- Material : top bracket and bolts in stainless steel AISI 304.
- Packaging : 4 pieces.

- Material : top bracket and bolts in stainless steel AISI 304.
- Packaging : 4 pieces.

*New  
Product*

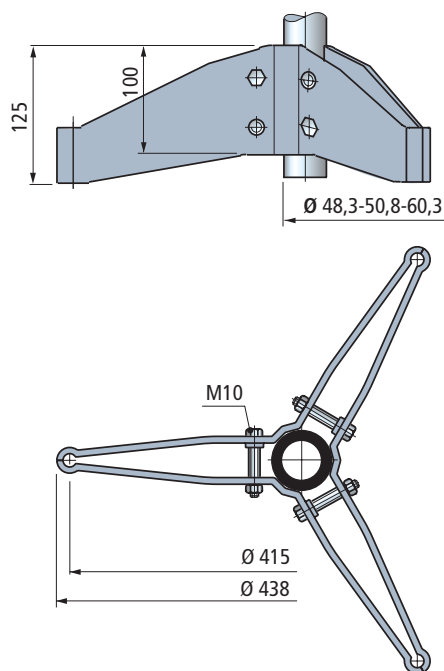
*New  
Product*

## Part. 707



*New  
Product*

## Support bases (tripod)



| Part. | Tube<br>dia.<br>mm | Code   | Weight<br>kg |
|-------|--------------------|--------|--------------|
| 707   | 48,3 (1"1/2)       | 685062 | 2,61         |
|       | 50,8               | 609963 |              |
|       | 60,3 (2")          | 685862 |              |

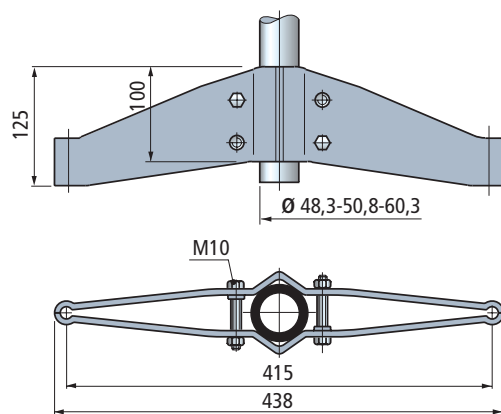
- Material : support base and bolts in stainless steel AISI 304.  
- Packaging : 1 piece.

## Part. 706



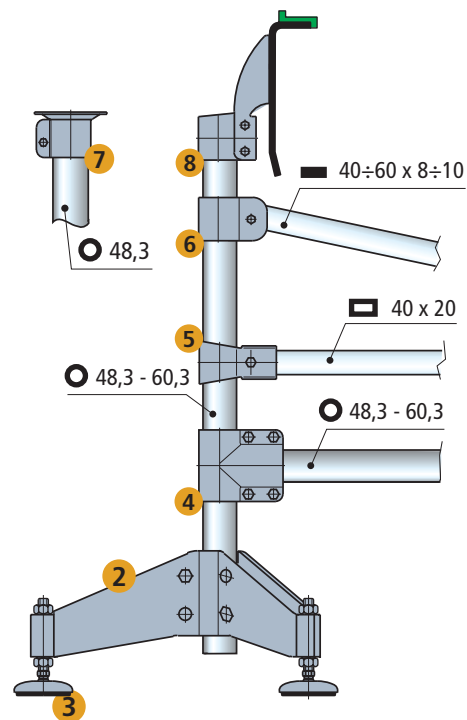
*New  
Product*

## Support bases (bipod)

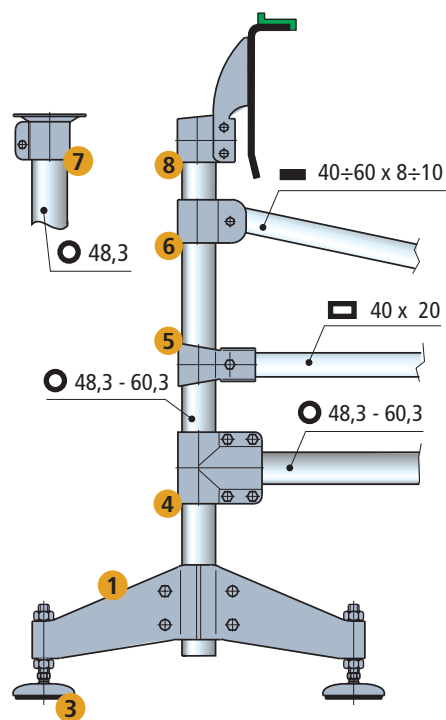


| Part. | Tube<br>dia.<br>mm | Code   | Weight<br>kg |
|-------|--------------------|--------|--------------|
| 706   | 48,3 (1"1/2)       | 685052 | 1,88         |
|       | 50,8               | 609953 |              |
|       | 60,3 (2")          | 685852 |              |

- Material : support base and bolts in stainless steel AISI 304.  
- Packaging : 1 piece.



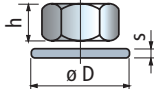
- 1 - Part. 706.
- 2 - Part. 707.
- 3 - Part. 623-627.
- 4 - Part. 686.
- 5 - Part. 688.
- 6 - Part. 689.
- 7 - Part. 690.
- 8 - Part. 685.



for Part. 706 - 707

## Accessories

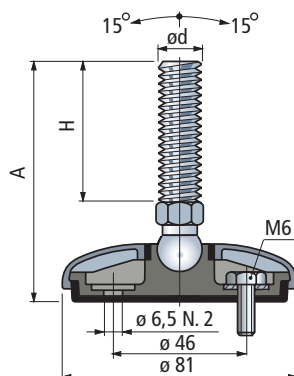
Nut + Washer



| Code       | h<br>mm | s<br>mm | øD<br>mm |
|------------|---------|---------|----------|
| M16 630212 | 13      | 24      | 30       |

- Material : stainless steel AISI 304.
- Packaging : 8 pieces.

## Articulated feet Gripper



Part. 627



**Microban®**  
antibacterial protection

|      | ø d<br>(mm) | A<br>(mm) | H<br>(mm) | Spindle types<br>ø14,2<br>mm | Code<br>Feet with cap<br>supplied<br>assembled | Code<br>Feet with cap<br>supplied<br>disassembled <sup>1)</sup> | Max static<br>load (N) |
|------|-------------|-----------|-----------|------------------------------|------------------------------------------------|-----------------------------------------------------------------|------------------------|
| M 16 | 100         | 64        | 1a        | 13                           | 627/642112                                     | 627/647332                                                      | 12000                  |
|      | 115         | 81        | 1a        | 13                           | 627/642122                                     | 627/647342                                                      |                        |
|      | 160         | 124       | 1a        | 13                           | 627/642132                                     | 627/647352                                                      |                        |

- Use : in combination with support bases Part. 706-707.

1) = Feet can be fixed to the floor.

- Material : spindle in stainless steel AISI 303. Protection cap in stainless steel AISI 304.

- Base in reinforced polypropylene with integrated anti-slip in thermoplastic rubber grey (80 Shore).

- The sealing of the internal structure guarantees a better hygiene.

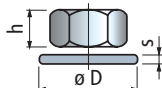
- Packaging : 24 pieces.

- Foot base is supplied with Microban® antibacterial protection.

By penetrating the cell wall of bacteria Microban® inhibits the growth of most common food poisoning bacteria, such as E.coli, Salmonella, Listeria, S-aureus, Campylobacter, which can cause contamination and odour.

## Accessories

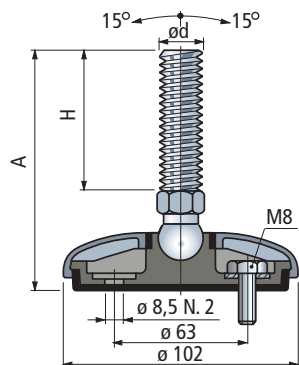
Nut + Washer



| Code       | h<br>mm | s<br>mm | øD<br>mm |
|------------|---------|---------|----------|
| M16 630212 | 13      | 24      | 30       |

- Material : stainless steel AISI 304.
- Packaging : 8 pieces.

## Articulated feet Gripper



Part. 623



**Microban®**  
antibacterial protection

|      | ø d<br>(mm) | A<br>(mm) | H<br>(mm) | Spindle types<br>ø14,2<br>ø24,5<br>ø24,5<br>mm | Code<br>Feet with cap<br>supplied<br>assembled | Code<br>Feet with cap<br>supplied<br>disassembled <sup>1)</sup> | Max static<br>load (N) |
|------|-------------|-----------|-----------|------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------|------------------------|
| M 16 | 105         | 64        | 1a        | -                                              | 623/643732                                     | 623/647412                                                      | 19500                  |
|      | 115         | 74        | -         | 6b                                             | 623/637512                                     | 623/647422                                                      |                        |
|      | 115         | 65        | -         | 1b                                             | 623/640482*                                    | 623/647432*                                                     |                        |
|      | 120         | 81        | 1a        | -                                              | 623/643742                                     | 623/647442                                                      |                        |
|      | 150         | 109       | -         | 6b                                             | 623/637522                                     | 623/647452                                                      |                        |
|      | 150         | 100       | -         | 1b                                             | 623/640492*                                    | 623/647462*                                                     |                        |
|      |             |           |           |                                                |                                                |                                                                 |                        |

- Use : in combination with support bases Part. 706-707.

1) = Feet can be fixed to the floor.

- Material : spindle in stainless steel AISI 303. Protection cap in stainless steel AISI 304.

- Base in reinforced polypropylene with integrated anti-slip in thermoplastic rubber grey (80 Shore).

- The sealing of the internal structure guarantees a better hygiene.

- Packaging : 24 pieces.

- Foot base is supplied with Microban® antibacterial protection.

By penetrating the cell wall of bacteria Microban® inhibits the growth of most common food poisoning bacteria, such as E.coli, Salmonella, Listeria, S-aureus, Campylobacter, which can cause contamination and odour.

\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

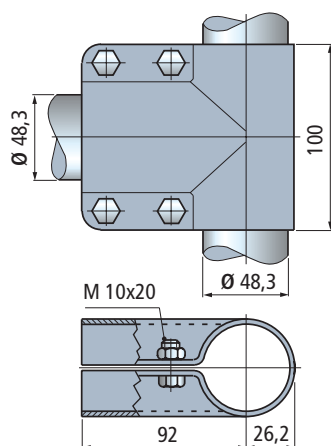
## Part. 686



For tubes Ø 48,3 mm

*New Product*

## ■ Connecting joints



| Part. | Tube dia. mm  | State of supply | Code   | Weight kg |
|-------|---------------|-----------------|--------|-----------|
| 686   | 48,3 (1" 1/2) | With bolts      | 684512 | 0,64      |
|       |               | Without bolts   | 684522 |           |

- Material : joint and bolts in stainless steel AISI 304.

- Packaging : 4 pieces.

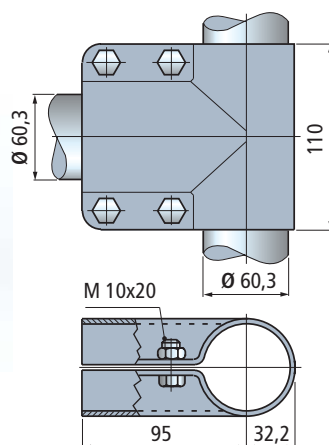
## Part. 687



For tubes Ø 60,3 mm

*New Product*

## ■ Connecting joints

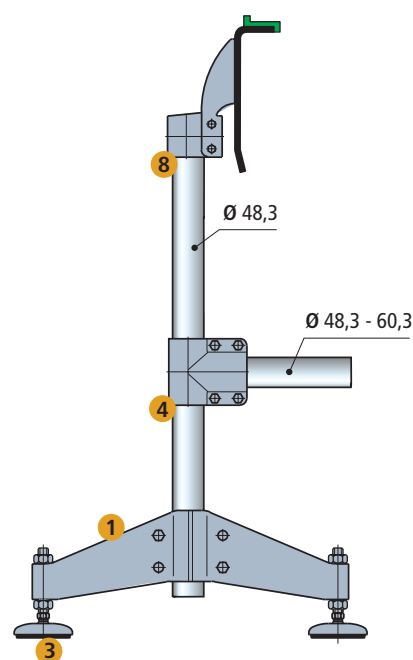
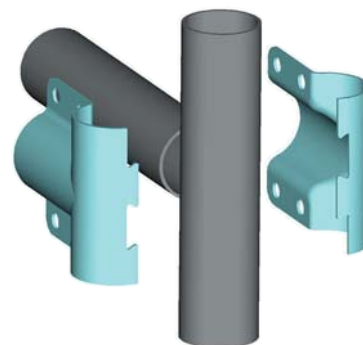


| Part. | Tube dia. mm | State of supply | Code   | Weight kg |
|-------|--------------|-----------------|--------|-----------|
| 687   | 60,3 (2")    | With bolts      | 684532 | 0,70      |
|       |              | Without bolt    | 684542 |           |

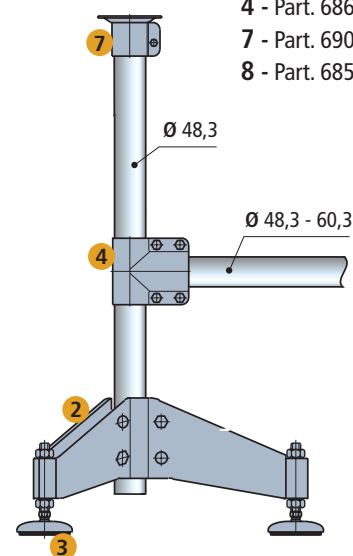
- Material : joint and bolts in stainless steel AISI 304.

- Packaging : 4 pieces.

## • Assembly Part. 686-687



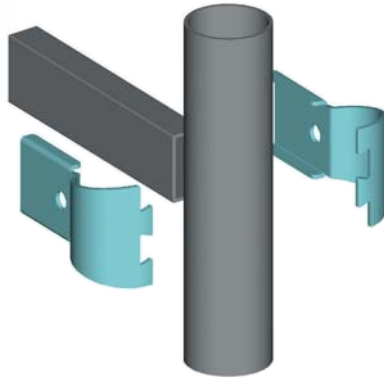
- 1 - Part. 706.
- 2 - Part. 707.
- 3 - Part. 623-627.
- 4 - Part. 686.
- 7 - Part. 690.
- 8 - Part. 685.



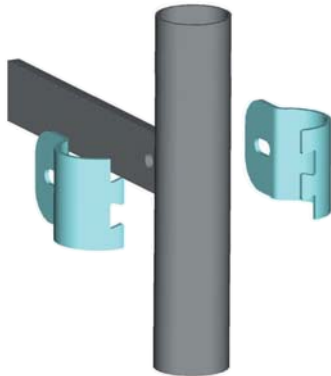


## • Assembly

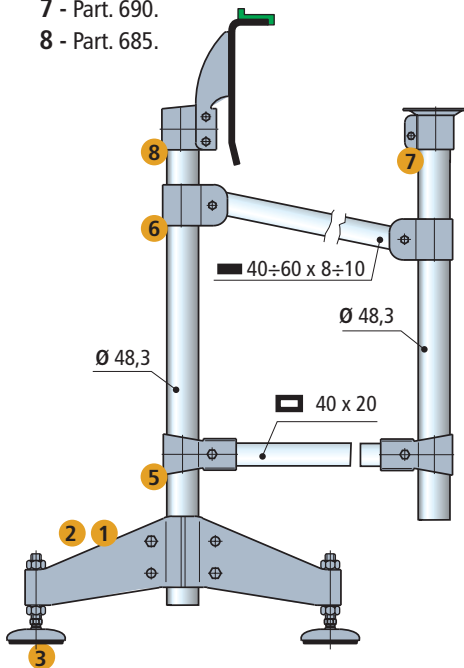
Part. 688



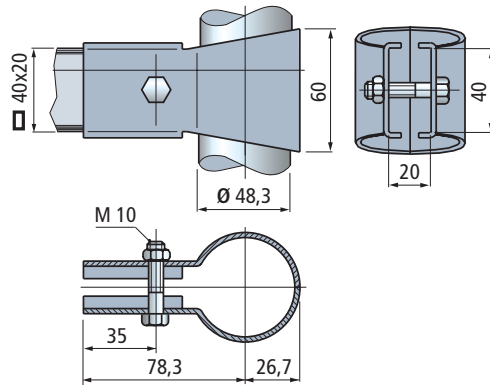
Part. 689



- 1 - Part. 706.
- 2 - Part. 707.
- 3 - Part. 623-627.
- 5 - Part. 688.
- 6 - Part. 689.
- 7 - Part. 690.
- 8 - Part. 685.



## ■ Connecting joints



| Part. | Tube dia.<br>mm | Rectangular tube<br>mm | Code   | Weight<br>kg |
|-------|-----------------|------------------------|--------|--------------|
| 688   | 48,3 (1" 1/2)   | 40x20                  | 684552 | 0,35         |

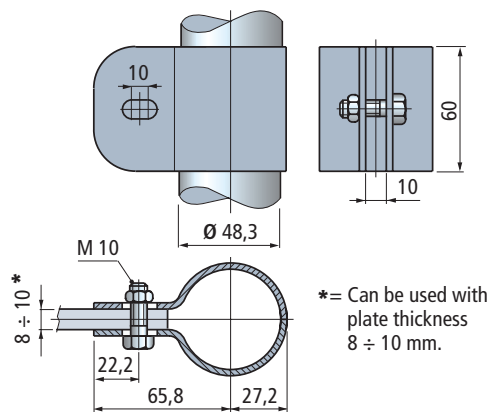
- Material : joint and bolts in stainless steel AISI 304.
- Packaging : 8 pieces.

## Part. 688



*New Product*

## ■ Connecting joints



| Part. | Tube dia.<br>mm | Code    | Weight<br>kg |
|-------|-----------------|---------|--------------|
| 689   | 48,3 (1" 1/2)   | 684562  | 0,37         |
|       | 50,8            | 609943* |              |

- \* : available upon request and minimum order quantity.
- Material : joint and bolts in stainless steel AISI 304.
- Packaging : 8 pieces.

## Part. 689

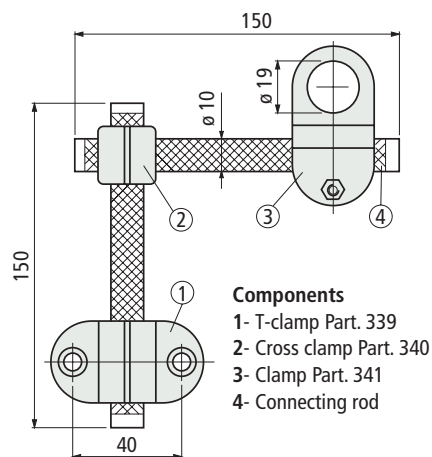


*New Product*

## Part. 342



### ■ Assembly kit for photocells or sensors



#### Components

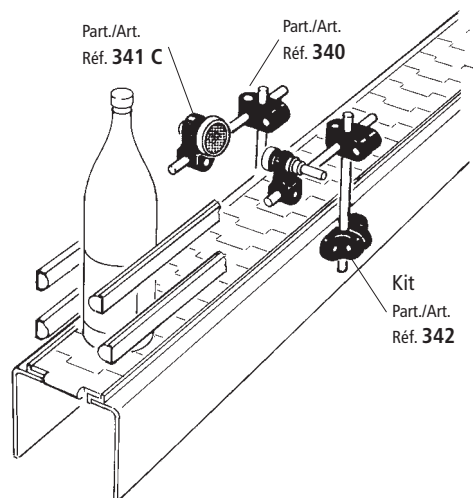
- 1- T-clamp Part. 339
- 2- Cross clamp Part. 340
- 3- Clamp Part. 341
- 4- Connecting rod

| Part. | Code    | Weight<br>kg |
|-------|---------|--------------|
| 342   | 605153N | 0,14         |

- Material : clamps in reinforced polyamide PA FV (black), tightening bolt and connecting rods in stainless steel AISI 304.
- Max recommended tightening torque : 0,5 Kgm.
- Packaging : 50 Kit.

### • Assembly of Part. 342

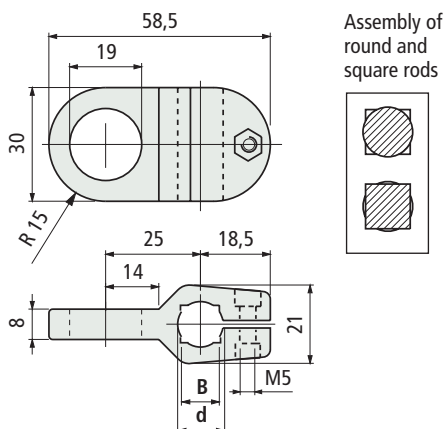
Dia. 18 mm photocells or sensors



## Part. 341



### ■ Clamp for photocells or sensors



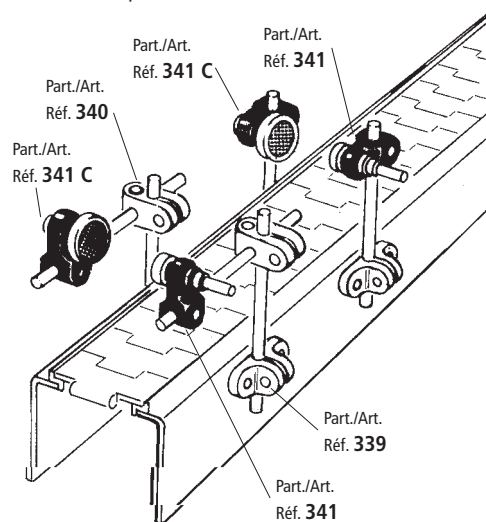
Assembly of  
round and  
square rods

| Part. | Tightening<br>bolt material | Rod dia.<br>d<br>mm | Square<br>rod<br>B<br>mm | Code   | Weight<br>kg |
|-------|-----------------------------|---------------------|--------------------------|--------|--------------|
| 341   | Stainless steel AISI 304    | 10                  | 8                        | 68383  | 0,02         |
|       |                             | 12                  | 10                       | 68395  |              |
|       |                             | 14                  | 12                       | 67385  |              |
|       | Zinc plated steel           | 10                  | 8                        | 627061 |              |
|       |                             | 12                  | 10                       | 627071 |              |
|       |                             | 14                  | 12                       | 627081 |              |

- Material : clamp in reinforced polyamide PA FV (black).
- Max recommended tightening torque : 0,5 Kgm.
- Packaging : 50 pieces.

### • Assembly of Part. 341

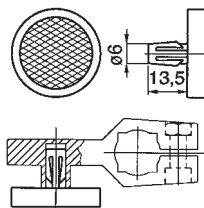
Dia. 18 mm photocells or sensors



## • Assembly of Part. 341 C

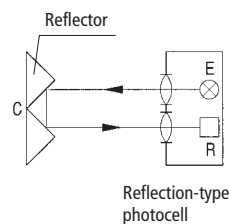
Types of reflectors that can be mounted :

Reflector with clip-on fixing pin: press-fit between clip and clamp hole.



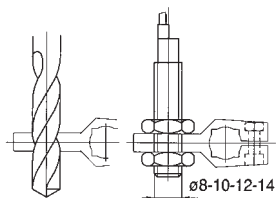
## • Operating principle

The beam of light emitted by source E is reflected by reflector C and conveyed to receiver R. Reading is performed through interruption of the beam of light.

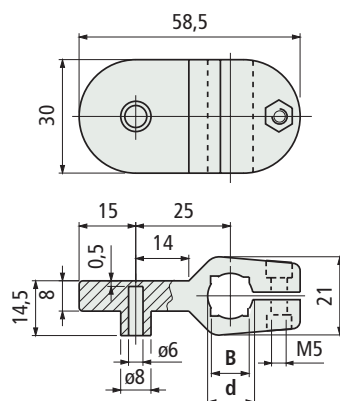


## • Assembly of photocells or sensors

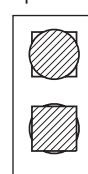
The clamp can also be drilled to hold dia. 8-10-12-14 mm photocells or sensors.



## ■ Clamp for reflectors



Assembly of round and square rods



| Part. | Tightening bolt material | Rod dia. d mm | Square rod B mm | Code     | Weight kg |
|-------|--------------------------|---------------|-----------------|----------|-----------|
| 341C  | Stainless steel AISI 304 | 10            | 8               | C6721500 | 0,02      |
|       |                          | 12            | 10              | C6912500 |           |
|       |                          | 14            | 12              | C6913500 |           |
|       | Zinc plated steel        | 10            | 8               | C6270910 |           |
|       |                          | 12            | 10              | C6271010 |           |
|       |                          | 14            | 12              | C6271110 |           |

- Material : clamp in reinforced polyamide PA FV (black).
- Max recommended tightening torque : 0,5 Kgm.
- Packaging : 50 pieces.

## Part. 341C

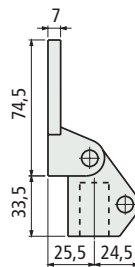


## Part. 372

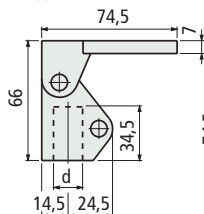
## ■ Universal clamp for photocells or reflectors

- Can be fitted in positions A - B - C

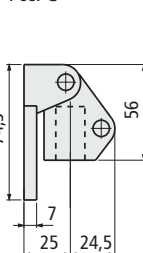
Pos. A



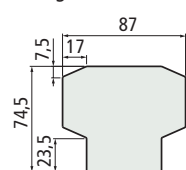
Pos. B



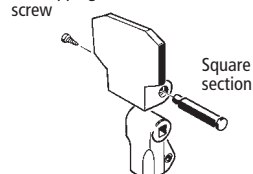
Pos. C



- Flange dimension



Self-tapping screw



Square section

| Part. | Rod dia.<br>d<br>mm | Code   | Weight<br>kg |
|-------|---------------------|--------|--------------|
| 372   | 14                  | 61786  | 0,12         |
|       | 15                  | 61796  |              |
|       | 16                  | 61806  |              |
|       | 18                  | 61816  |              |
|       | 20                  | 61826* |              |

- Material : clamp in reinforced polyamide PA FV (black), tightening bolt in stainless steel AISI 304.

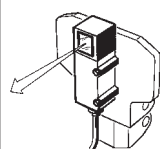
- State of supply : already assembled in position A

- Max recommended tightening torque : 1,5 Kgm.

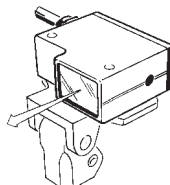
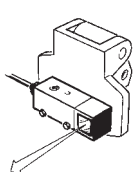
- Packaging : 50 pieces.

## • Suitable photocell types

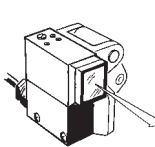
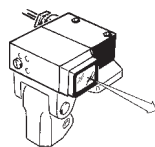
- Omron / E3S - R



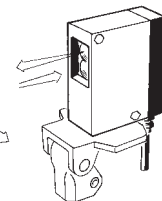
- Sick / WL 36



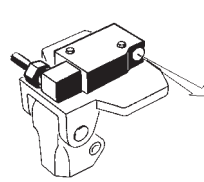
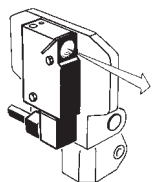
- Omron / E3A2



- Datalogic / RT 7

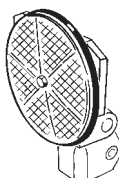


- Leuze / Rk 18

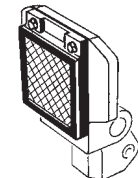


## • Suitable reflector types

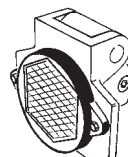
Diell / RL 110



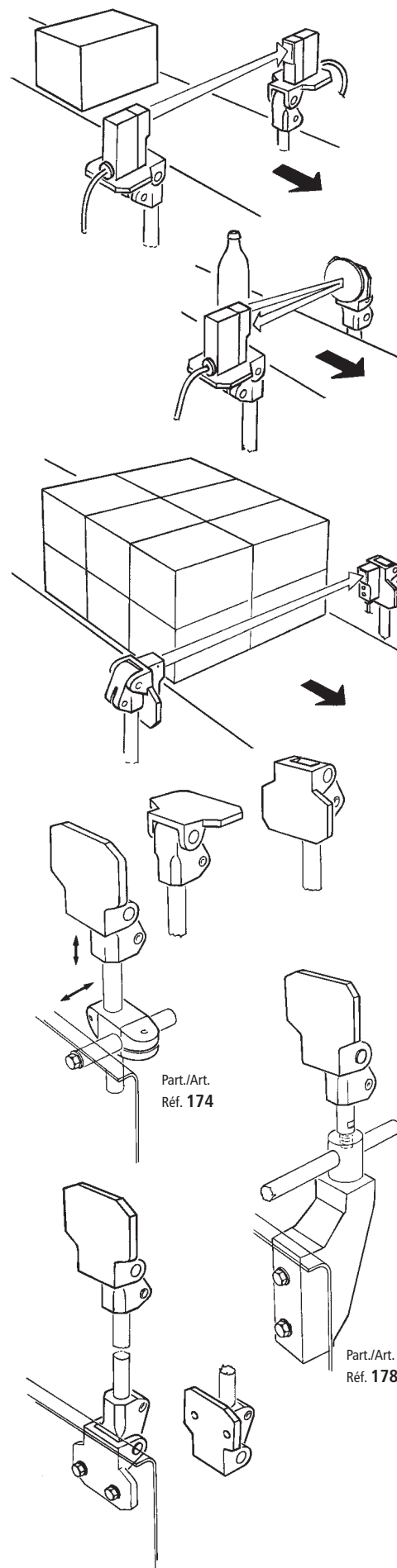
Sicest / RF - 230



Diell / RL 113  
Datalogic / R2



## • Assembly of Part. 372



\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

### • Use

Contact lever ideal to mechanically check the presence of products. Works in conjunction with photocells or magnetic sensor (proximity sensor).

### • Versions

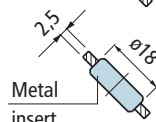
The control contact lever is supplied in three versions according to the type of sensor to be used.

#### 1) With hole (no insert).



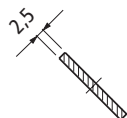
Sez A-A

#### 2) With hole and metal insert (for magnetic sensor).



Sez A-A

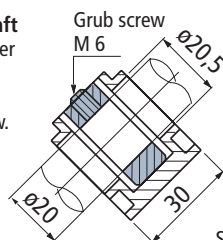
#### 3) Without hole



Sez A-A

### • Assembly on the shaft

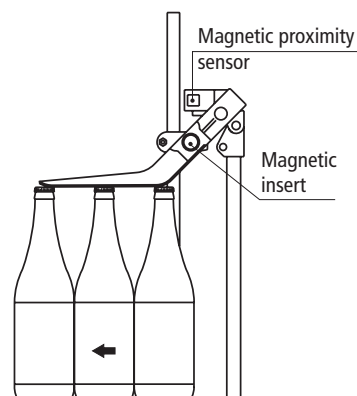
The control contact lever can be axially fixed on the shaft with a metal collar and a grub screw.



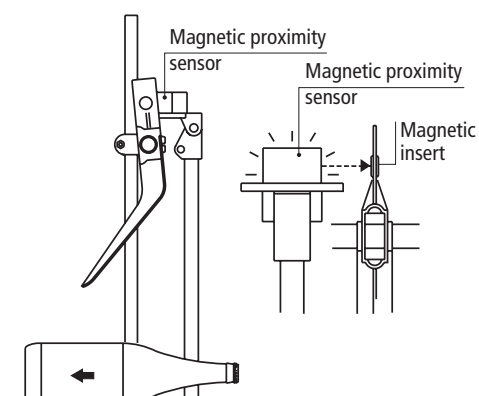
Sez B-B

### • Assembly of Part. 518 (with insert for magnetic sensor)

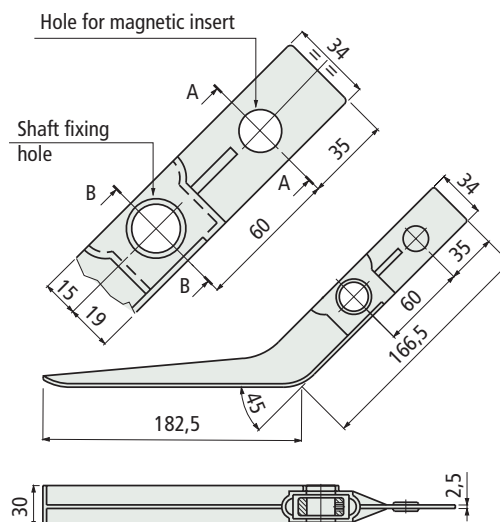
In regular conditions the control contact lever is high and magnetic proximity sensor does not detect the presence of magnetic insert.



In case of problem (example bottle downing) the control contact lever lowers and magnetic sensor detects the presence of magnetic insert and stops the conveyor.



### ■ Control contact lever



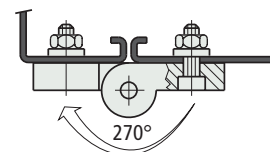
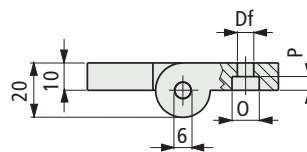
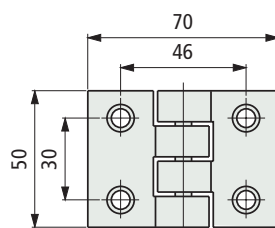
| Part. | Version                    | Code    | Weight<br>kg |
|-------|----------------------------|---------|--------------|
|       | With hole (no insert)      | 642941N |              |
| 518   | With hole and metal insert | 642951N | 0,1          |
|       | Without hole               | 696021N |              |

- Material : lever in polypropylene (black), insert (for magnetic sensor) in stainless steel AISI 430, locking spacer (for shaft fixing) in zinc plated steel.

- Packaging: 50 pieces.

Part. **337**

## ■ 270° hinge

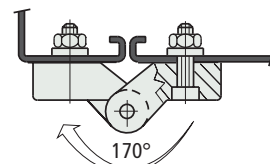
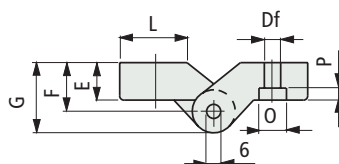
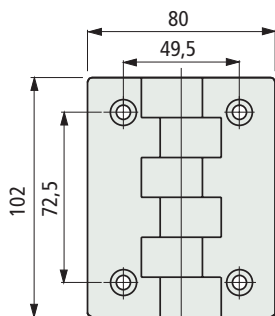


| Part. | Fixing screws dia. | Code  | Df dia. mm | O mm | P mm | Weight gr | Packaging No. of pieces |
|-------|--------------------|-------|------------|------|------|-----------|-------------------------|
| 337   | M 6                | 67023 | 6,5        | 10,5 | 6    | 55        | 24                      |
|       | M 8                | 60334 | 8,5        | 13,5 | 4    |           |                         |

- Material : hinge in polyamide PA (black). Pin in stainless steel AISI 430 F.
- Max recommended tightening torque : 0,5 Kgm.

Part. **260**

## ■ 170° hinge



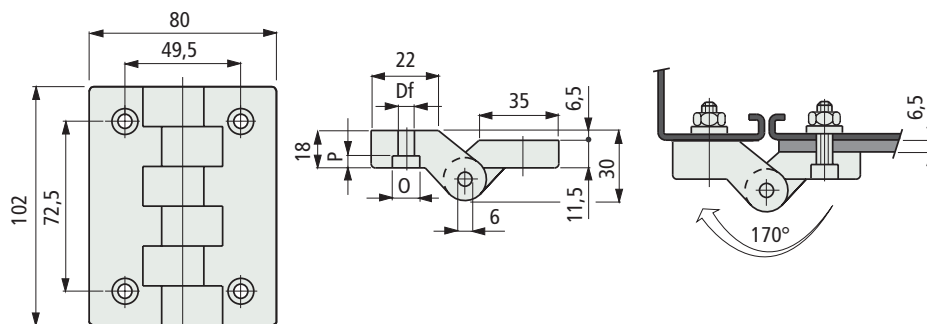
| Part. | E<br>mm | Fixing<br>screws dia. | Code  | ø Df<br>mm | F<br>mm | G<br>mm | O<br>mm | P<br>mm | L<br>mm | Weight<br>gr | Packaging<br>No. of pieces |
|-------|---------|-----------------------|-------|------------|---------|---------|---------|---------|---------|--------------|----------------------------|
| 260   | 11,5    | M 6                   | 65021 | 6,5        | 14,5    | 23,5    | 10,5    | 6       | 35      | 110          | 20                         |
|       |         | M 8                   | 66546 | 8,5        |         |         | 13,5    | 8       |         |              |                            |
|       | 18      | M 6                   | 65011 | 6,5        | 21      | 30      | 10,5    | 6       | 22      | 130          |                            |
|       |         | M 8                   | 66556 | 8,5        |         |         | 13,3    | 8       |         |              |                            |

- Material : hinge in polyamide PA (black). Pin in stainless steel AISI 303.
- Max recommended tightening torque : 0,5 Kgm (with M6 screws), 1 Kgm (with M8 screws).



■ 170° hinge

Part. **260**



| Part. | Fixing screws dia. | Code   | ø Df mm | 0 mm | P mm | Weight gr | Packaging No. of pieces |
|-------|--------------------|--------|---------|------|------|-----------|-------------------------|
| 260   | M 6                | 65031  | 6,5     | 10,5 | 6    | 120       | 20                      |
|       | M 8                | 66566* | 8,5     | 13,5 | 8    |           |                         |

- Material : hinge in polyamide PA (black). Pin in stainless steel AISI 303.
- Max recommended tightening torque : 0,5 Kgm (with M6 screws), 1 Kgm (with M8 screws).



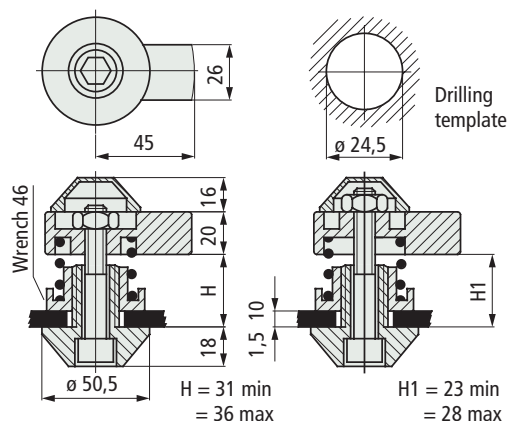
For misaligned mounting surfaces

\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

## Part. 272



☐ Lock



Assembly  
drawing No. 1

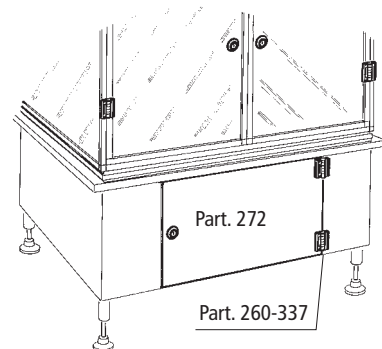
Assembly  
drawing No. 2

| Part. | Code  | Weight<br>Kg |
|-------|-------|--------------|
| 272   | 66771 | 0,2          |

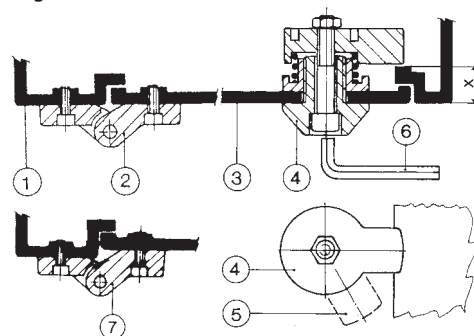
- Material : body in reinforced polyamide PA FV (black), bolts, nuts and spring in stainless steel AISI 304.
- Use : closure of doors in machines for foodindustry (washing, bottling, etc).
- Packaging : 10 pieces.
- Operation with hexagonal bar 10 key.
- Key turn : 360 right or left.
- Assembly instructions :

Assembly lock as shown in assembly diagram 1, when the size X (Fig. 1) is suitable for assembly distance between 31÷36 mm. When X (Fig. 1) is between 23÷28 mm, follow assembly type 2.

- **Assembly of Part. 272**



- Fig. 1



- 1- Machine structure.
- 2- Hinge Part. 260-337.
- 3- Door.
- 4- Lock Part. 272 (in closed position).
- 5- Lock Part. 272 (in open position).
- 6- Lock key (with exagonal 10 wrench).
- 7- Hinge Part. 260 (for misalligned mounting surfaces).

## Ratchet handle clamping

Part. **302**

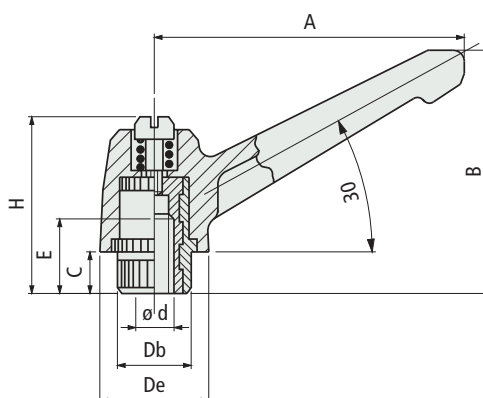
| Part. | Bore dia.<br>d | A<br>mm | B<br>mm | C<br>mm | E<br>mm | H<br>mm | Db<br>mm | De<br>mm | Code  |
|-------|----------------|---------|---------|---------|---------|---------|----------|----------|-------|
| 302   | M 6            | 40      | 40      | 7       | 12      | 32      | 11,5     | 16       | 60902 |
|       | M 8            | 55      | 51      | 10      | 14      | 37      | 15       | 20       | 60862 |
|       | M 10           | 79      | 67      | 11      | 20      | 48      | 20       | 28       | 60962 |

- Material : handle in reinforced polyamide in PA FV (black),  
Threaded insert in nickel plated brass.

- Packaging :

with d = M 6 and M 8 (100 pieces).

with d = M 10 (50 pieces).



## Ratchet handle clamping

Part. **303**

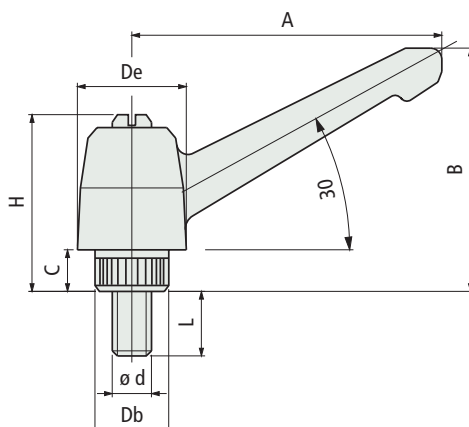
| Part. | Bore dia.<br>d | A<br>mm | B<br>mm | C<br>mm | L<br>mm | H<br>mm | Db<br>mm | De<br>mm | Code   |
|-------|----------------|---------|---------|---------|---------|---------|----------|----------|--------|
| 303   | M 5            | 40      | 40      | 7       | 20      | 32      | 11,5     | 16       | 646742 |
|       | M 6            | 40      | 40      | 7       | 20      | 32      | 11,5     | 16       | 60922  |
|       | M 8            | 55      | 51      | 10      | 25      | 37      | 15       | 20       | 60872  |
|       | M 10           | 79      | 67      | 11      | 30      | 48      | 20       | 28       | 60942  |

- Material : handle in reinforced polyamide in PA FV (black),  
spindle in stainless steel AISI 303.

- Packaging :

with d = M 5, M 6 and M 8 (100 pieces).

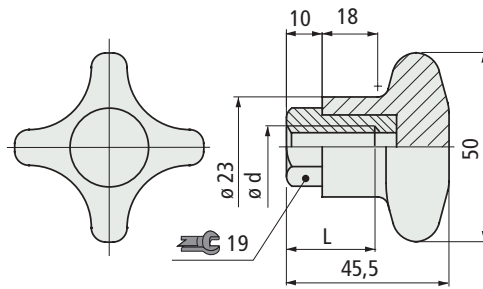
with d = M 10 (50 pieces).



## Part. 182



■ **Tightening knob**



| Part.                                       | Thread<br>dia.<br>d | Code     | L<br>mm |
|---------------------------------------------|---------------------|----------|---------|
| Threaded insert in stainless steel AISI 303 |                     |          |         |
| 182                                         | M 6                 | 645111N* | 23      |
|                                             | M 8                 | 649961N* |         |
|                                             | M 10                | 649971N* |         |
|                                             | M 12                | 645141N* |         |
| Threaded insert in nickel plated brass      |                     |          |         |
| 182                                         | M 10                | 54911    | 28      |

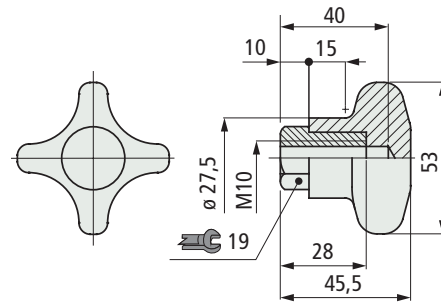
\* = New product.

- Material : knob in reinforced polyamide PA FV (black).
  - Max recommended tightening torque : 2,5 Kgm (manual tightening), 4 Kgm (tightening with wrench).
- For high tightening torques apply a 19 mm wrench to the hexagon of the insert.
- Packaging : 50 pieces.

## Part. 183



■ Tightening knob



| Part. | Code  |
|-------|-------|
| 183   | 54921 |

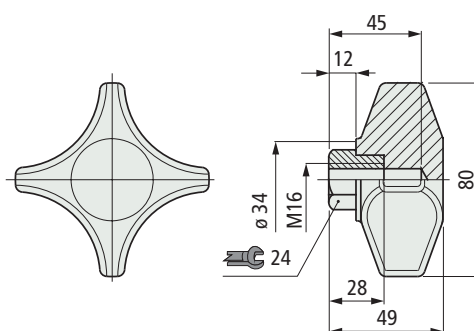
- Material : knob in reinforced polyamide PA FV (black), threaded insert in nickel plated brass.
- Max recommended tightening torque : 2,5 Kgm (manual tightening), 4 Kgm (tightening with wrench).  
For high tightening torques apply a 19 mm wrench to the hexagon of the insert.
- Packaging : 50 pieces.

## ■ Tightening knob

Part. **625**

| Part. | Code   |
|-------|--------|
| 625   | 641372 |

- Material : knob in reinforced polyamide PA FV (black), threaded insert in nickel plated brass.
- Max recommended tightening torque : 3 Kgm (manual tightening), 5 Kgm (tightening with wrench).
- For high tightening torques apply a 24 mm wrench to the hexagon of the insert.
- Packaging : 50 pieces.

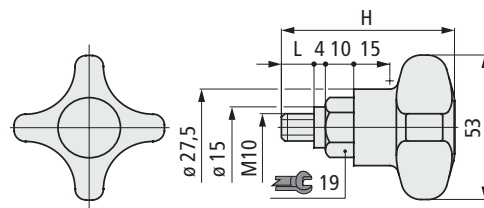


# Part. 185

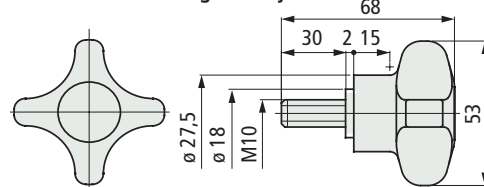


## ■ Tightening knob

### Version with hexagonal key



### Version without hexagonal key



| Part.                                | Material knob                         | L mm | Code    | H mm |
|--------------------------------------|---------------------------------------|------|---------|------|
| <b>Version with hexagonal key</b>    |                                       |      |         |      |
| 185                                  | Reinforced Polyamide PA FV (black)    | 11   | 53081   | 61   |
|                                      | Reinforced Polypropylene PP FV (grey) | 30   | 683832* | 80   |
| <b>Version without hexagonal key</b> |                                       |      |         |      |
| 185                                  | Reinforced Polyamide PA FV (black)    | —    | 698942* | —    |

\* = New product.

- Use : version with knob in reinforced Polypropylene PP FV (grey), gives a better resistance to chemical agents.
- Material : knob in reinforced polyamide PA FV (black), (threaded insert in nickel plated brass). With knob in reinforced Polypropylene PP FV (threaded insert in stainless steel AISI 303).
- Max recommended tightening torque : 2,5 Kgm (manual tightening), 4 Kgm (tightening with wrench).
- For high tightening torques apply a 19 mm wrench to the hexagon of the insert.
- Packaging : 50 pieces.

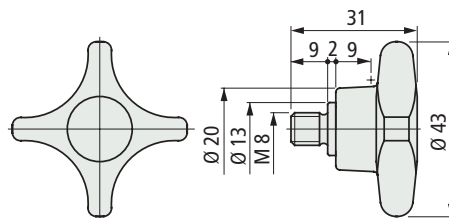
# Part. 671



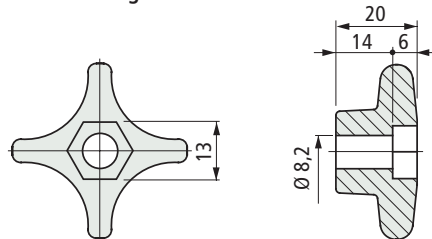
New Product

## ■ Tightening knob

### Version with threaded insert



### Version with hexagonal seat



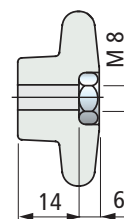
| Part. | Version              | Code   |
|-------|----------------------|--------|
| 671   | With threaded insert | 676392 |
|       | With hexagonal seat  | 676402 |

- Supplied in reinforced Polypropylene PP FV, gives a better resistance to chemical agents.
- Material : knob in reinforced Polypropylene PP FV (grey), threaded insert in stainless steel AISI 303.
- Max admitted tightening torque : 1 Kgm (version with threaded insert).
- Packaging : 50 pieces.

### • Example of application of version with hexagonal seat

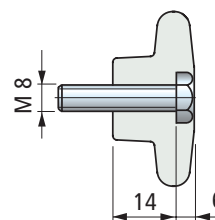
#### Use with nut

Apply a standard hexagonal M 8 UNI 5588, DIN 934.



#### Use with screw

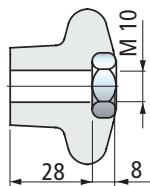
Apply an hexagonal head screw M 8 UNI 5739, DIN 933, ISO 4017.





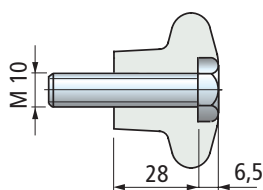
## Use with nut

Apply a standard hexagonal M 10 UNI 5588, DIN 934.

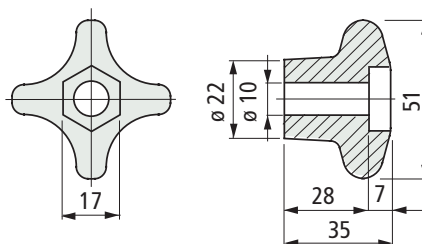


## Use with screw

Apply an hexagonal head screw M 10 UNI 5739, DIN 933, ISO 4017.



## ■ Tightening knob



| Part.                                        | Code   | Weight<br>Kg |
|----------------------------------------------|--------|--------------|
| <b>Reinforced Polyamide PA FV (black)</b>    |        |              |
| 734                                          | 693552 | 0,02         |
| <b>Reinforced Polypropylene PP FV (grey)</b> |        |              |
| 734                                          | 693562 | 0,02         |

- Economical version (supplied without tightening elements).
- The version in reinforced Polypropylene PP FV, gives a better resistance to chemical agents.
- Packaging : 50 pieces.

Part. **734**

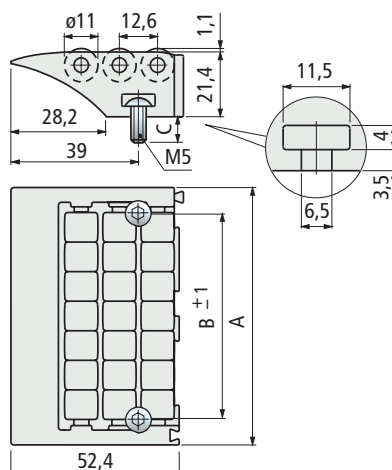


*New  
Product*

# Part. 567



## ■ End transfer module (with lip)



| Part. | A mm | B mm | C mm           | Code   | Weight kg |
|-------|------|------|----------------|--------|-----------|
| 567   | 85   | 67,6 | Without screws | 688792 | 0,09      |
|       |      |      | 7              | 688802 |           |
|       |      |      | 13             | 688812 |           |
|       | 115  | 97   | Without screws | 687382 | 0,11      |
|       |      |      | 7              | 686472 |           |
|       |      |      | 13             | 677322 |           |

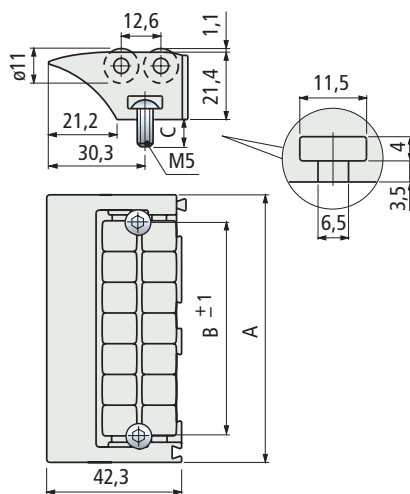
- Material : frame and rollers in acetal Rex-HP™ (dark grey) very low coefficient of friction. Roller pins in stainless steel AISI 303, screws in stainless steel AISI 304.
- Modularity : snap-on assembly with Part. 568.
- Packaging : 10 pieces.

# Part. 672



*New Product*

## ■ End transfer module (with lip)

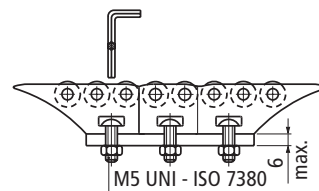


| Part. | A mm | B mm | C mm           | Code   | Weight kg |
|-------|------|------|----------------|--------|-----------|
| 672   | 85   | 67,6 | Without screws | 687412 | 0,09      |
|       |      |      | 13             | 687422 |           |
|       |      |      |                | 675582 |           |
|       | 115  | 97   | Without screws | 687432 | 0,11      |
|       |      |      | 7              | 687442 |           |
|       |      |      | 13             | 675592 |           |

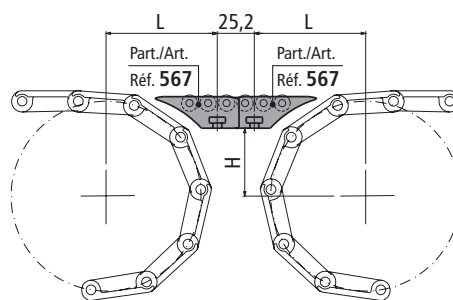
- Material : frame and rollers in acetal Rex-HP™ (dark grey) very low coefficient of friction. Roller pins in stainless steel AISI 303, screws in stainless steel AISI 304.
- Modularity : snap-on assembly with Part. 568.
- Packaging : 10 pieces.

## • Fixing

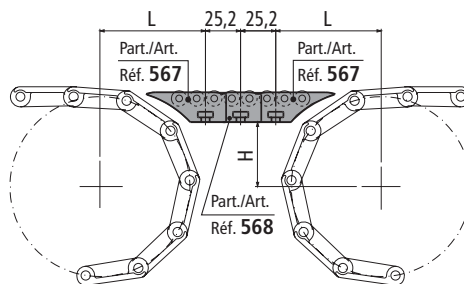
Screws are tightened with an hexagon key inserted between rollers.



## • Head to tail transfer of small and light products.

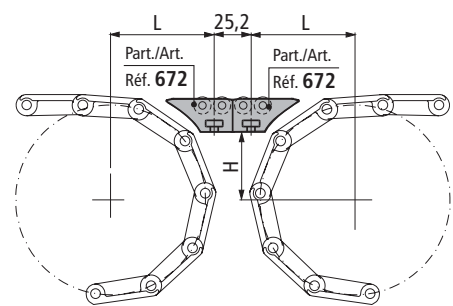


L and H see page S206.

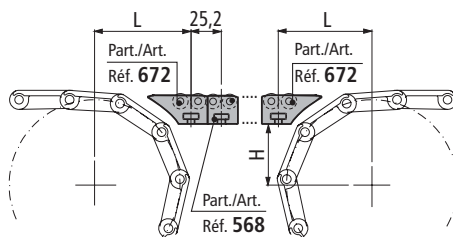


L and H see page S206.

## Compact version.

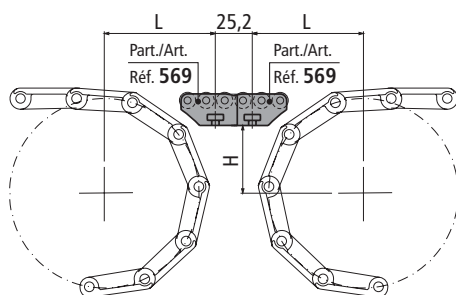


L and H see page S208.

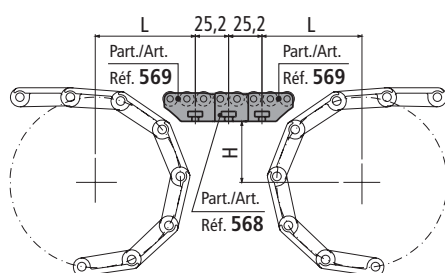


L and H see page S208.

• Head to tail transfer of big and heavy products.

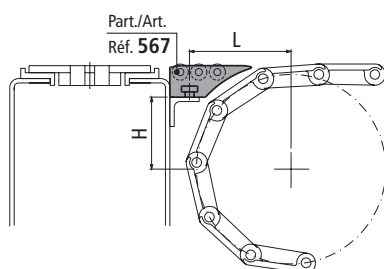


L and H see page S206.



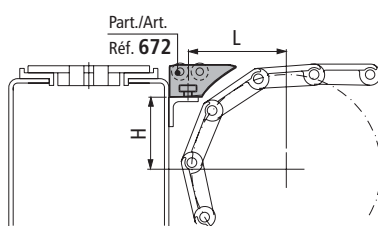
L and H see page S206.

• 90 transfer of small and light products.



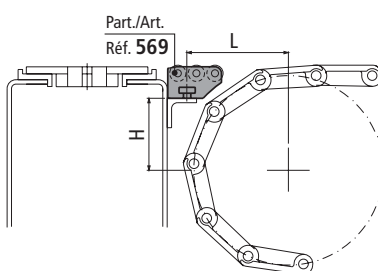
L and H see page S206.

Compact version.



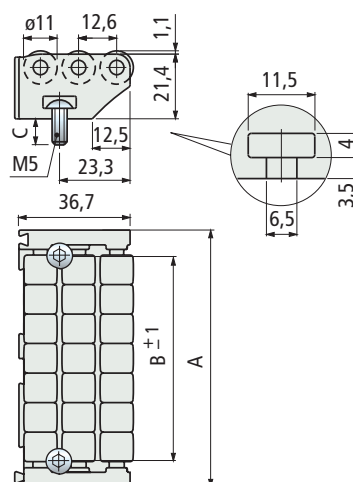
L and H see page S208.

• 90 transfer of big and heavy products.



L and H see page S206.

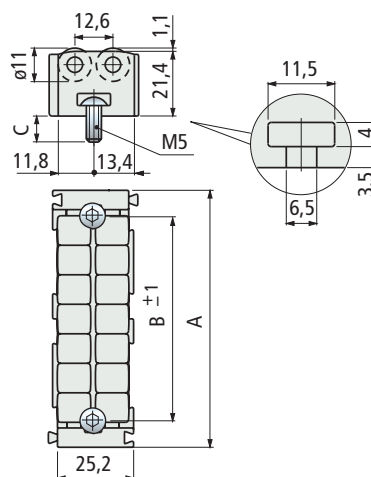
■ End transfer module



| Part. | A mm | B mm | C mm           | Code   | Weight kg |
|-------|------|------|----------------|--------|-----------|
| 569   | 85   | 67,6 | Without screws | 605922 | 0,08      |
|       |      |      | 7              | 686262 |           |
|       |      |      | 13             | 601092 |           |
|       | 115  | 97   | Without screws | 687392 | 0,10      |
|       |      |      | 7              | 686482 |           |
|       |      |      | 13             | 677332 |           |

- Material : frame and rollers in acetal Rex-HP™ (dark grey) very low coefficient of friction. Roller pins in stainless steel AISI 303, screws in stainless steel AISI 304.
- Modularity : snap-on assembly with Part. 568.
- Packaging : 10 pieces.

■ Centre transfer module



| Part. | A mm | B mm | C mm           | Code   | Weight kg |
|-------|------|------|----------------|--------|-----------|
| 568   | 85   | 67,6 | Without screws | 605912 | 0,06      |
|       |      |      | 13             | 601082 |           |
|       | 115  | 97   | Without screws | 687402 | 0,08      |
|       |      |      | 13             | 677312 |           |

- Material : frame and rollers in acetal Rex-HP™ (dark grey) very low coefficient of friction. Roller pins in stainless steel AISI 303, screws in stainless steel AISI 304.
- Modularity : snap-on assembly with Part. 567-569-672.
- Packaging : 20 pieces.

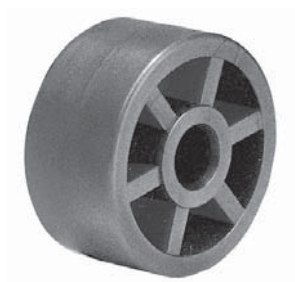
Part. 569



Part. 568

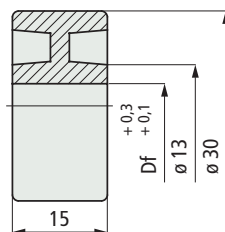


## Part. 20-21

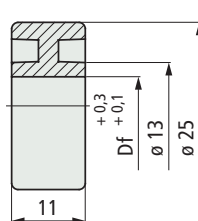


## Rollers

Part. 20



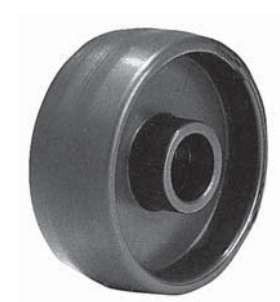
Part. 21



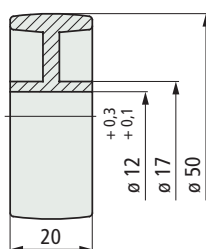
| Part. | Bore dia.<br>Df<br>mm | Code   |
|-------|-----------------------|--------|
| 20    | 7                     | 51410* |
| 21    | 5,5                   | 51420  |
|       | 9,5                   | 51430* |
|       | 10,5                  | 51440* |

- Material : polyamide PA (black).  
- Packaging : 200 pieces.

## Part. 16



## Roller



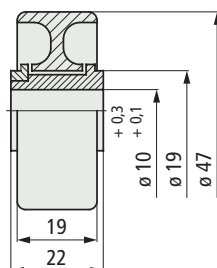
| Part. | Code  |
|-------|-------|
| 16    | 51400 |

- Material : polyamide PA (black).  
- Packaging : 100 pieces.

## Part. 76



## Roller



| Part. | Code  |
|-------|-------|
| 76    | 51390 |

- Material : roller in acetal POM (orange), bush in polyamide PA (white).  
- Packaging : 100 pieces.

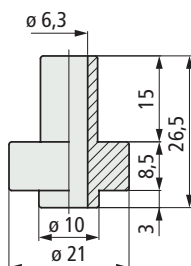
\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

## Rollers

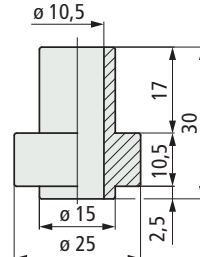
| Part. | Code  |
|-------|-------|
| 63    | 51370 |
| 95    | 51380 |

- Material : acetal POM (white).
- Packaging : Part. 63 (500 pieces), Part. 95 (200 pieces).
- Part. 63 can be used as spare part in roller guides Part. 128-128 S-628 S.

Part. 63



Part. 95



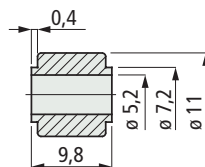
Part. 63-95



## Roller

| Part. | Code  |
|-------|-------|
| 363   | 64434 |

- Material : acetal Rex-LF® (light brown) very low coefficient of friction.
- Packaging : 5000 pieces.



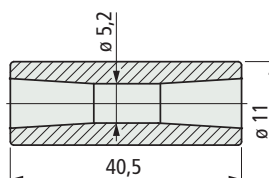
Part. 363



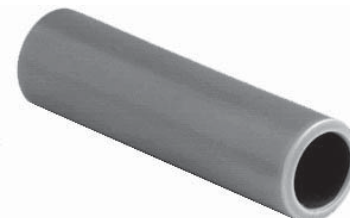
## Roller

| Part. | Code   |
|-------|--------|
| 455   | 614381 |

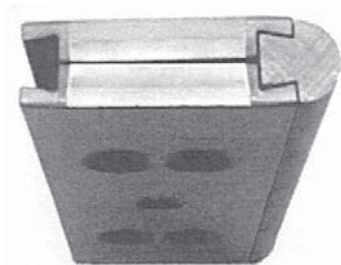
- Material : acetal Rex-LF® (light brown) very low coefficient of friction.
- Packaging : 500 pieces.



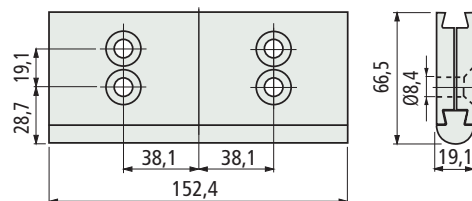
Part. 455



## Part. 905



### Modular "Nose-Over" bar standard profile

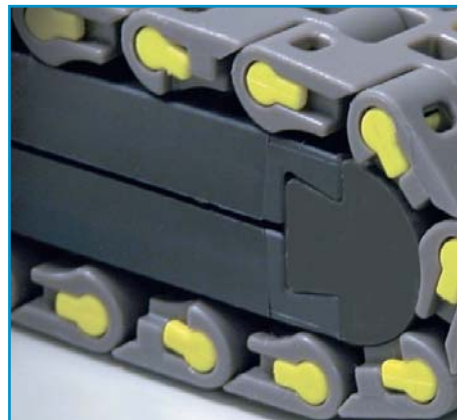


| Part. | Code   | Weight Kg |
|-------|--------|-----------|
| 905   | 655711 | 0,18      |

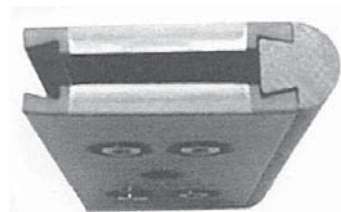
- Material : clamp in polyamide PA (black), sliding profile in Nylatron®.
- Packaging : 1 pieces.

#### Use of Part. 905

Head to tail transfer with MatTop® chain Series 1500.

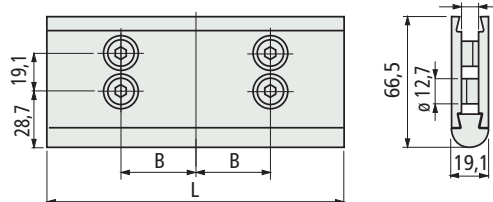


## Part. 905

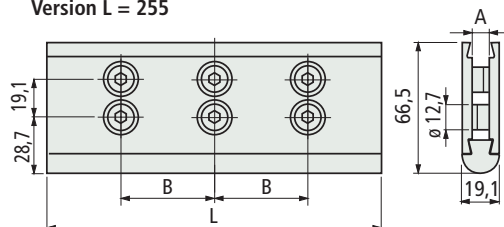


### Modular "Nose-Over" bar low profile

Version L = 152,4 e 170



Version L = 255

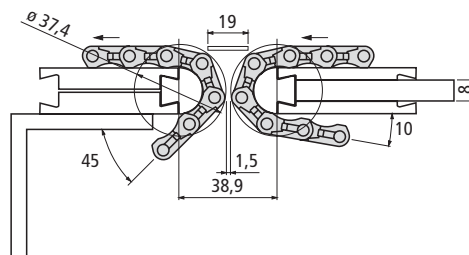


| Part. | L mm  | B mm | Hardware | A    | Code    | Weight Kg |
|-------|-------|------|----------|------|---------|-----------|
| 905   | 152,4 | 38,1 | M6       | 8 mm | 655721  | 0,18      |
|       | 170   | 42,5 | M6       | 8 mm | 655731  | 0,20      |
|       | 255   | 85   | M6       | 8 mm | 656291* | 0,31      |
|       |       |      |          |      |         |           |

\* = New product.

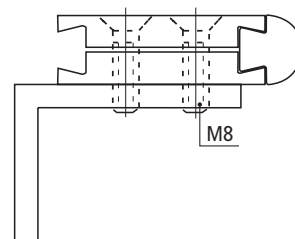
- Material : clamp in polyamide PA (black), sliding profile in Nylatron®, steel hardware.
- Packaging : 1 pieces.

#### Assembly of Part. 905

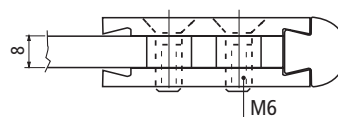


#### Modular nose-over bar standard

N4 M8 socked flat head cap screws UNI 5933.



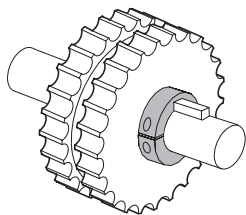
#### Assembly of "Nose-Over" bar with 8 mm plate



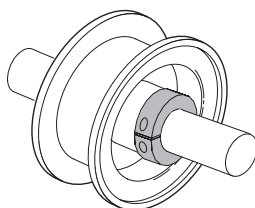


## • Assembly of Part. 612 (with round bore)

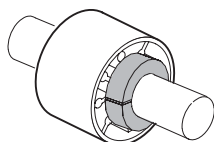
- With sprockets



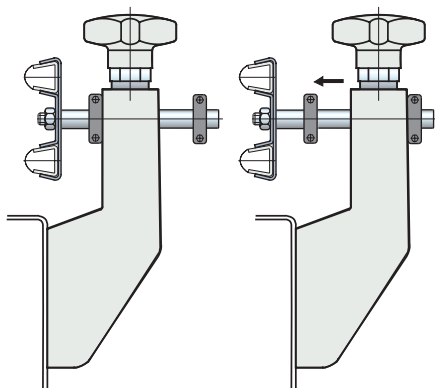
- With idler wheels



- With rollers

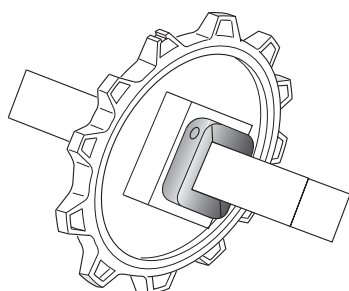


- With side brackets

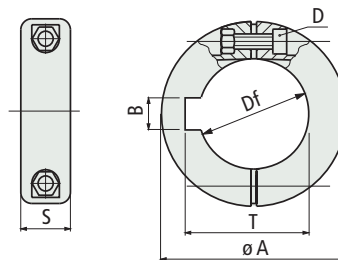


## • Assembly Part. 612 (with square bore)

- Ideal for the loking of MatTop.® sprockets.
- Version in reinforced Polyamide PA FV, gives better resistance at high temperatures.
- Version in reinforced Polypropylene PP FV gives better resistance against chemical agents.



## ■ Split shaft collar (with round bore)

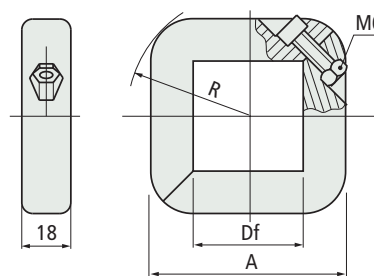


| Part.                      | Bore dia.<br>Df<br>mm | Inch    | øA<br>mm | S<br>mm | B<br>mm | T<br>mm | D  | Code    | Weight<br>kg |
|----------------------------|-----------------------|---------|----------|---------|---------|---------|----|---------|--------------|
| <b>Without seat keyway</b> |                       |         |          |         |         |         |    |         |              |
| 612                        | 12                    | —       | 30       | 11,7    | —       | —       | M4 | 655062  | —            |
|                            | —                     | 1/2"    | 30       | 11,7    | —       | —       | M4 | 655072  | —            |
|                            | 14                    | —       | 30       | 11,7    | —       | —       | M4 | 655082  | —            |
|                            | 16                    | 5/8"    | 35       | 11,7    | —       | —       | M4 | 655092  | —            |
|                            | 18                    | —       | 40       | 14      | —       | —       | M4 | 614712  | 0,018        |
|                            | —                     | 3/4"    | 40       | 14      | —       | —       | M4 | 655102  | —            |
|                            | 20                    | —       | 40       | 14      | —       | —       | M4 | 614722  | 0,019        |
|                            | 25                    | —       | 45       | 14      | —       | —       | M4 | 619452  | 0,022        |
|                            | 30                    | —       | 50       | 16      | —       | —       | M4 | 640602  | 0,026        |
|                            | —                     | 1 1/4"  | 50       | 16      | —       | —       | M4 | 608463* | —            |
|                            | —                     | 1 1/2"  | 63,5     | 18      | —       | —       | M5 | 611283* | —            |
|                            | 40                    | —       | 63,5     | 18      | —       | —       | M5 | 686232* | 0,040        |
| <b>With seat keyway</b>    |                       |         |          |         |         |         |    |         |              |
| 612                        | 25                    | —       | 45       | 14      | 8       | 28,3    | M4 | 683812* | 0,022        |
|                            | —                     | 1"      | 45       | 14      | 6,4     | 28,58   | M4 | 655112  | —            |
|                            | 30                    | —       | 50       | 16      | 8       | 33,3    | M4 | 614732  | 0,026        |
|                            | —                     | 1 1/4"  | 50       | 16      | 6,4     | 34,98   | M4 | 655122  | —            |
|                            | 35                    | —       | 63,5     | 18      | 10      | 38,3    | M5 | 614742  | 0,030        |
|                            | —                     | 1 7/16" | 63,5     | 18      | 9,58    | 41,02   | M5 | 605043* | —            |
|                            | —                     | 1 1/2"  | 63,5     | 18      | 9,58    | 42,65   | M5 | 655132  | —            |
|                            | 40                    | —       | 63,5     | 18      | 12      | 43,3    | M5 | 615012  | 0,040        |

\* = New product.

- Material : collar in reinforced polyamide PA FV (black), tightening bolt in stainless steel AISI 304.
- Max recommended tightening torque : 0,3 Kgm.
- Packaging : 100 pieces.

## ■ Split shaft collar (with square bore)



| Part.                           | Square bore<br>Df<br>mm | Inch   | Material<br>Polyamid<br>PAFV<br>(black) | Material<br>Polypropylene<br>PPFV<br>(black) | Material<br>Polypropylene<br>PPFV<br>(white) | A<br>mm | R<br>mm |
|---------------------------------|-------------------------|--------|-----------------------------------------|----------------------------------------------|----------------------------------------------|---------|---------|
| <b>Version with metric bore</b> |                         |        |                                         |                                              |                                              |         |         |
| 612                             | 40x40                   | —      | 692952                                  | 689852                                       | 693372                                       | 72      | 44      |
|                                 | 60x60                   | —      | 692962                                  | 689862                                       | 693382                                       | 95      | 58      |
| <b>Version with inch bore</b>   |                         |        |                                         |                                              |                                              |         |         |
| 612                             | —                       | 1 1/2" | 692942                                  | 689842                                       | 693362                                       | 72      | 44      |
|                                 | —                       | 2 1/2" | 692972                                  | 689872                                       | 693392                                       | 95      | 58      |

- Material tightening bolt : stainless steel AISI 304.
- Max recommended tightening torque : 0,5 Kgm.
- Packaging : 24 pieces.

Part. 612



Part. 612

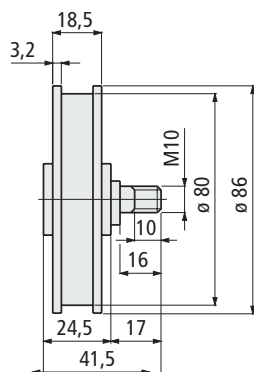


New  
Product

## Part. 79



### Winding tensioner



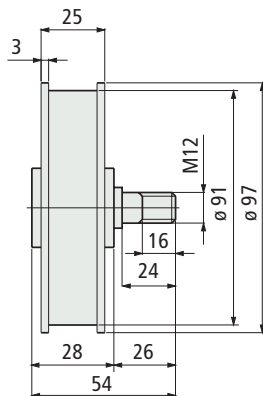
| Part. | Load gr. | Winding travel mm | Direction of travel | Code   |
|-------|----------|-------------------|---------------------|--------|
| 79    | 0÷2000   | 2000              | right               | 672622 |
|       |          |                   | left                | 672632 |

- Noise reduction.
- Material : pulley in polyamide PA (orange), pin in brass.
- Packaging : 10 pieces.

## Part. 75



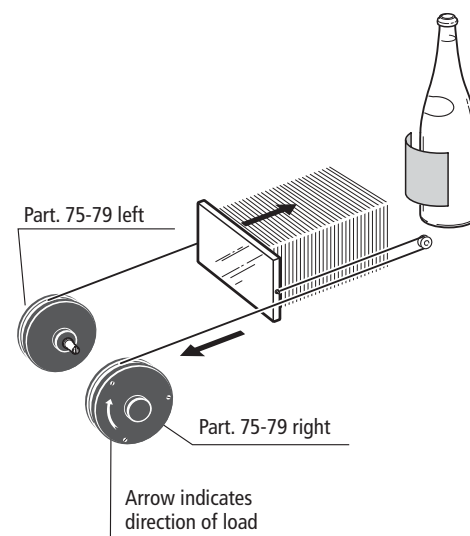
### Winding tensioner



| Part. | Load gr. | Winding travel mm | Direction of travel | Code    |
|-------|----------|-------------------|---------------------|---------|
| 75    | 0÷4000   | 2500              | right               | 672642N |
|       |          |                   | left                | 672652N |
|       | 0÷2800*  | 600               | right               | 672662N |
|       |          |                   | left                | 672672N |

- Noise reduction.
- \* = Unwinding the spring, the load is almost constant (10/20% loss of load).
- Material : pulley in reinforced polyamide PA FV (black), pin in brass.
- Packaging : 10 pieces.

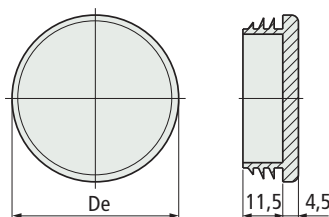
### Assembly of Part. 79-75



• Assembly of Part. 666



■ Closing caps (for round tubes)



| Tube dimensions |                 |                   |                   |        |       |
|-----------------|-----------------|-------------------|-------------------|--------|-------|
| Part.           | Outside dia. mm | Thickness min. mm | Thickness max. mm | Code   | De mm |
| 666             | Ø 38,1          | 1                 | 3,5               | 671142 | 38    |
|                 | Ø 42,4 (1" 1/4) | 1                 | 2,5               | 671152 | 42    |
|                 | Ø 48,3 (1" 1/2) | 1,2               | 3,6               | 671162 | 48    |

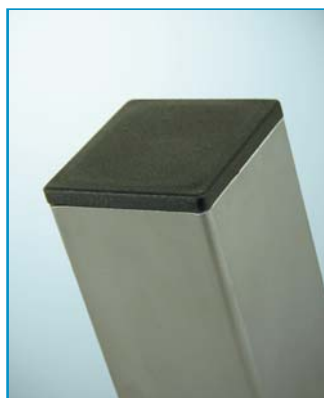
- Material : polyethylene PE (black).
- Packaging : 50 pieces.

Part. 666

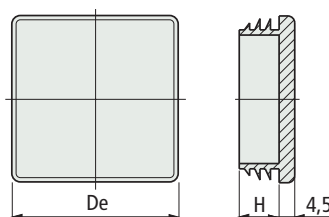


*New Product*

• Assembly of Part. 667



■ Closing caps (for square tubes)



| Tube dimensions |            |                   |                   |        |       |      |
|-----------------|------------|-------------------|-------------------|--------|-------|------|
| Part.           | Outside mm | Thickness min. mm | Thickness max. mm | Code   | De mm | H mm |
| 667             | 40x40      | 1                 | 3                 | 671172 | 40    | 14   |
|                 | 50x50      | 1                 | 2,5               | 671182 | 50    | 14,5 |

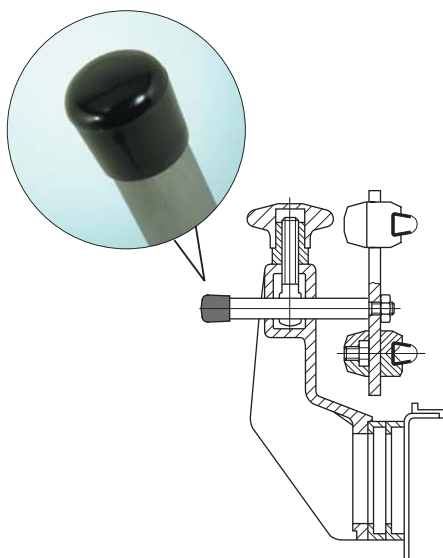
- Material : polyethylene PE (black).
- Packaging : 50 pieces.

Part. 667

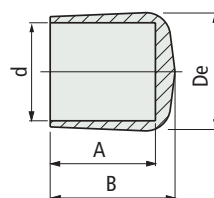


*New Product*

• Assembly of Part. 668



■ Safety caps (for round tubes)



| Part. | Pin dia. d mm | Code   |        | Ø De mm | A mm | B mm |
|-------|---------------|--------|--------|---------|------|------|
|       |               | Black  | Orange |         |      |      |
| 668   | 12            | 671192 | 611263 | 16      | 15   | 18,5 |
|       | 14            | 671202 | 611273 | 18      | 16,5 | 21   |
|       | 16            | 671212 | -      | 20      | 22   | 26   |
|       | 20            | 671222 | -      | 24,5    | 21,5 | 25,5 |

- Material : PVC rubber.
- Packaging : 50 pieces.

Part. 668

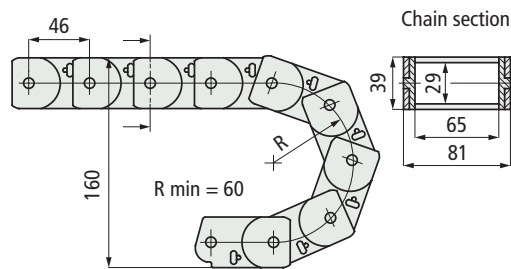


*New Product*

## Part. 112



### ■ Cable carriage chain



Part.

Code

112

51610

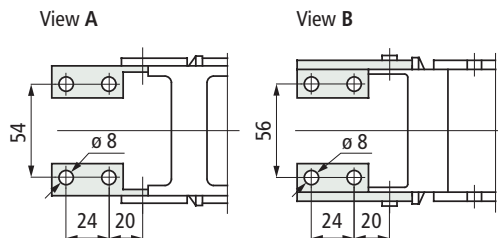
- Use : for carrying cables and hoses in the machine and protecting them from tensile and torsional stress.
- Material : polyamide PA (black).
- Assembly of engaged links : the engagement system allows a quick easy dismantling.
- Packaging : 5 metres.

### Accessories

## Part. 114



### ■ Attachments



Part.

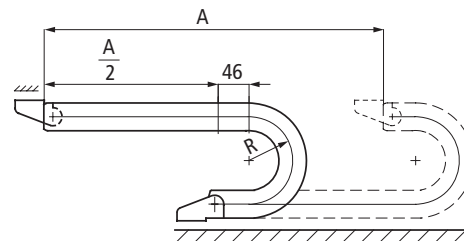
Code

114

59040\*

- Material : zinc plated steel.
- State of supply : complete with No. 4 connections.
- Packaging : 5 kit.

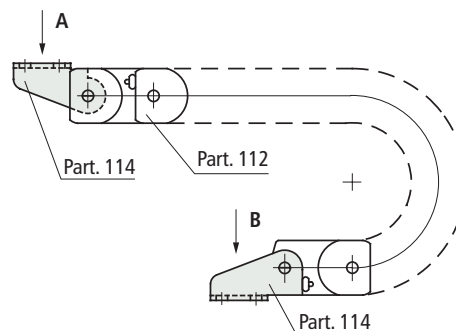
### • Calculation of chain length L



$$L = \frac{A}{2} + \pi R + (46 \cdot 2)$$

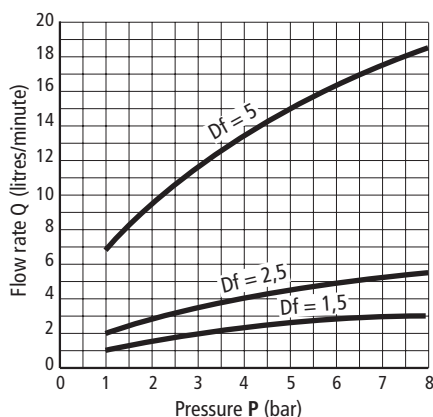
- L = chain length (mm).
- A = chain stroke (mm).
- R = curving radius (mm).

### • Assembly of Part. 114

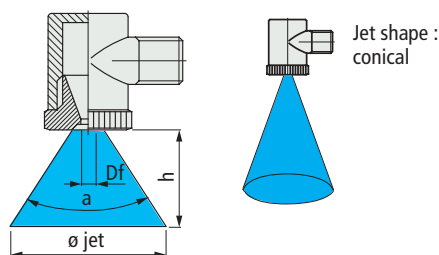


\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

## • Capacity diagram of Part. 19



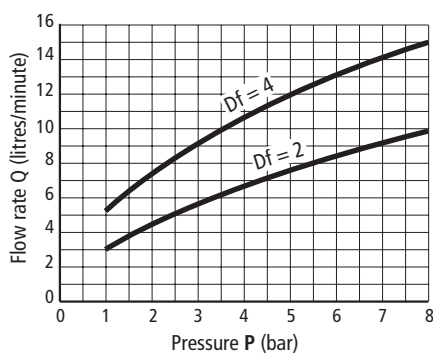
## • Dimensions and jet shape of Part. 19



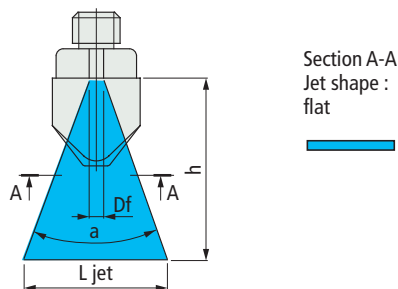
| Bore dia.<br>Df<br>mm | outlet<br>angle<br>a | Jet dia.<br>mm | distance<br>h<br>mm |
|-----------------------|----------------------|----------------|---------------------|
| 1,5                   | 18                   | 160            | 500                 |
| 2,5                   | 22                   | 200            | 500                 |
| 5                     | 60                   | 600            | 500                 |

Tests performed at 2 bar pressure.

## • Capacity diagram of Part. 18



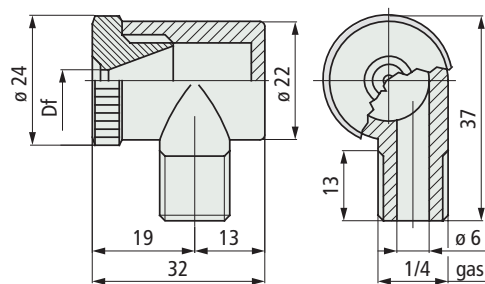
## • Dimensions and jet shape of Part. 18



| Bore dia.<br>Df<br>mm | outlet<br>angle<br>a | Jet width<br>L<br>mm | distance<br>h<br>mm |
|-----------------------|----------------------|----------------------|---------------------|
| 2                     | 28                   | 250                  | 500                 |
| 4                     | 18                   | 160                  | 500                 |

Tests performed at 2 bar pressure.

## ■ Nozzle conical shape



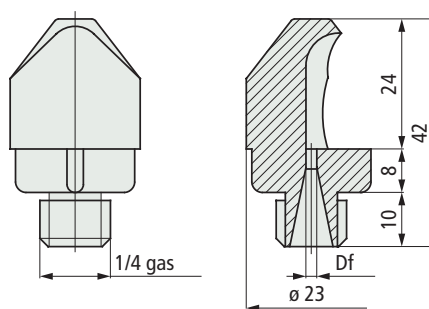
| Part. | Bore dia.<br>Df<br>mm | Code   |
|-------|-----------------------|--------|
| 19    | 1,5                   | 51450* |
|       | 2,5                   | 51460  |
|       | 5                     | 51470* |

- Use : washing equipment.
- Material : polyamide PA (black).
- Max operating temperature in contact with hot water : 70 C.
- Packaging : 100 pieces.

## Part. 19



## ■ Nozzle shell shape



| Part. | Bore dia.<br>Df<br>mm | Code  |
|-------|-----------------------|-------|
| 18    | 2                     | 51480 |
|       | 4                     | 51490 |

- Use : washing equipment.
- Material : polyamide PA (white).
- Max operating temperature in contact with hot water : 70 C.
- Packaging : 200 pieces.

## Part. 18



\* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

**Calculation of thermal expansion**

$$L_t = L_0 \cdot [ 1 + a \cdot ( T - 20^{\circ}\text{C} ) ]$$

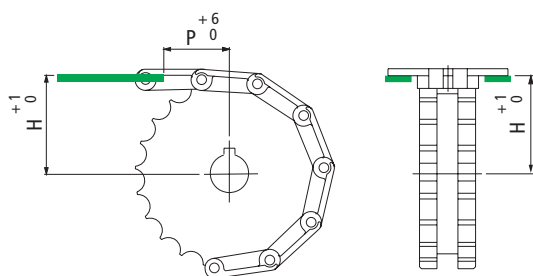
$L_t$  = final length (mm.)  
 $L_0$  = initial length (mm.)  
 $a$  = coefficient of linear expansion.  
 $T$  = operating temperature (°C).  
 $20^{\circ}\text{C}$  = ambient temperature.

Example :

aguide having initial length  $L_0 = 1000$  mm, coefficient of linear expansion  $2 \times 10^{-4}$ , and an operating temperature of  $70^{\circ}\text{C}$ , expands by :

$$L_t = 1000 \text{ mm} \cdot [ 1 + 0,0002 \cdot ( 70^{\circ}\text{C} - 20^{\circ}\text{C} ) ] = 1010 \text{ mm}$$

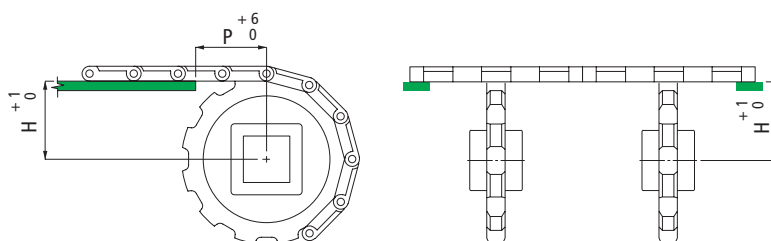




Position of chain guide profiles for TableTop® chains

| Chain                                                                              | H<br>mm      | P<br>mm |
|------------------------------------------------------------------------------------|--------------|---------|
| 512 - 802 - 805 - 812 - 815 - 820 - 821 - 881 - 881 M - 8811 - 8811 TAB - SLBP 821 | (Dp:2) + 3,2 | 40      |
| 831 - XLBP 831                                                                     | (Dp:2) + 2,4 | 40      |
| 880 - 880 TAB - 880 BO                                                             | (Dp:2) + 3,6 | 40      |
| 879 - 879 TAB - 879 BO - LBP 879 BO                                                | (Dp:2) + 2,8 | 40      |
| 882 - 882 TAB - SLBP 882 TAB - LBP 883                                             | (Dp:2) + 4,8 | 40      |
| 866 - 963 - 1864 - 1873 - 1874 - 2873 - 3873                                       | (Dp:2) + 11  | 40      |
| 1700K - 1700TABK - AC1700K - 1701 - 1790K - 1701TABK - 1702 - 1716K -              | (Dp:2) - 12  | 50      |
| 1710K - 1710TABK - 1713K - 1713TABK                                                | (Dp:2) - 12  | 50      |

Dp = primitive diameter of drive sprocket - mm.



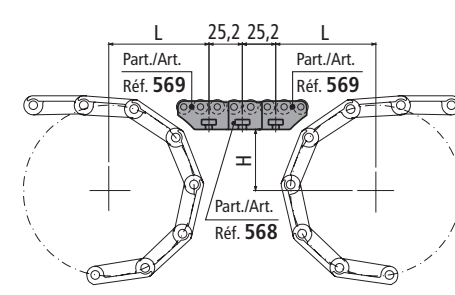
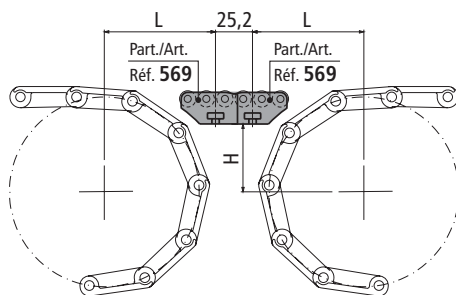
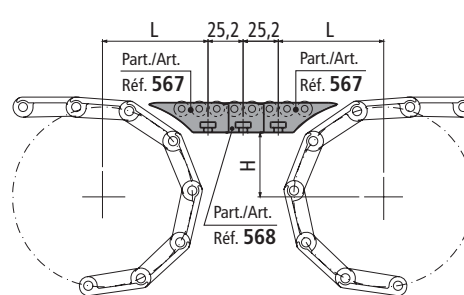
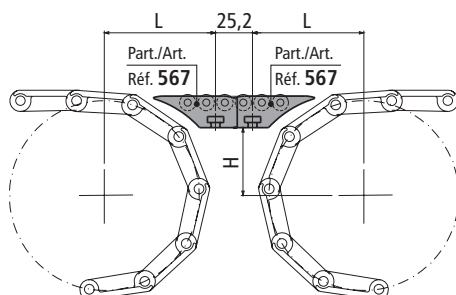
Position of chain guide profiles for MatTop® chains

| Chain                                                 | H<br>mm       | P<br>mm |
|-------------------------------------------------------|---------------|---------|
| 1505 - 1506                                           | (Dp:2) - 4,95 | 25      |
| 2100                                                  | (Dp:2) - 4,37 | 25      |
| 4705 - 4706 - 4707 - 4705 Vacuum - 4803 - 5705 - 5706 | (Dp:2) - 6,35 | 38      |
| 4812                                                  | (Dp:2) - 5,2  | 38      |
| 4809                                                  | (Dp:2) - 7,9  | 57      |
| 5935 - 5936 - 5935 Vacuum - 8505 - 8506               | (Dp:2) - 4,35 | 19      |
| 5996 - 5997 - 5998                                    | (Dp:2) - 9,1  | 57      |
| 6390 - 6391 - 6392                                    | (Dp:2) - 7,0  | 50      |
| 7705 - 7706                                           | (Dp:2) - 6,35 | 25      |
| 7956                                                  | (Dp:2) - 6,35 | 32      |

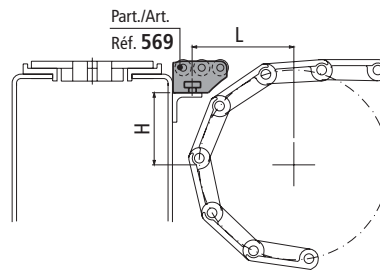
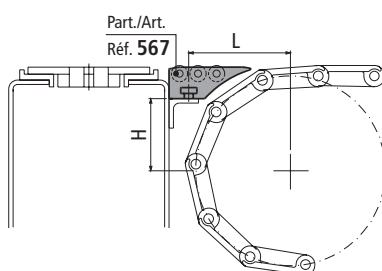
Dp = primitive diameter of drive sprocket - mm.

## Position of transfer modules Part. 567-568-569

### • Head to tail transfer



### • 90° transfr



## H, L dimensions for TableTop® chains

| Chain                         | Z 15 |      | Z 17 |      | Z 19 |      | Z 21 |      | Z 23 |      | Z 25 |      | Z 27 |      | Z 29 |      |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                               | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    |
| 802 - 805 - 812 - 815 - 881   | 30,9 | 64,6 | 36,8 | 65,8 | 42,8 | 67,0 | 48,7 | 68,1 | 54,7 | 69,2 | 60,7 | 70,2 | 66,7 | 73,0 | 72,7 | 75,3 |
| 881 M - 8811 - 8811 TAB       | 30,9 | 64,6 | 36,8 | 65,8 | 42,8 | 67,0 | 48,7 | 68,1 | 54,7 | 69,2 | 60,7 | 70,2 | 66,7 | 73,0 | 72,7 | 75,3 |
| 512                           | 45,2 | 67,4 | 53,2 | 68,9 | 61,3 | 70,3 | 69,3 | 74,0 | —    | —    | —    | —    | —    | —    | —    | —    |
| 1864 - 1874 - 4874            | 37,3 | 73,2 | 43,3 | 74,8 | 49,4 | 76,2 | 55,4 | 77,6 | 61,5 | 75,4 | 67,5 | 77,9 | —    | —    | —    | —    |
| 820                           | 31,5 | 65,4 | 37,4 | 66,7 | 43,4 | 67,9 | 49,3 | 69,0 | 55,3 | 70,1 | 61,3 | 71,3 | 67,3 | 73,7 | 73,3 | 76,0 |
| 821                           | 32,3 | 65,8 | 38,2 | 67,1 | 44,2 | 68,3 | 50,1 | 69,4 | 56,1 | 70,6 | 62,1 | 71,6 | 68,1 | 72,7 | 74,1 | 73,7 |
| 843                           | 17,1 | 65,9 | 21,2 | 67,1 | 25,2 | 68,2 | 29,2 | 69,3 | 33,2 | 70,3 | 37,3 | 71,3 | —    | —    | —    | —    |
| 845                           | 17,1 | 63,9 | 21,2 | 64,9 | 25,2 | 66,0 | 29,2 | 67,0 | 33,2 | 67,9 | 37,3 | 68,8 | —    | —    | —    | —    |
| 963                           | 37,3 | 73,5 | 43,3 | 75,0 | 49,4 | 76,4 | 55,4 | 77,8 | 61,5 | 75,5 | 67,5 | 78,1 | —    | —    | —    | —    |
| 1873 - 1853 - 853             | 37,3 | 68,6 | 43,3 | 69,9 | 49,4 | 71,2 | 55,4 | 72,3 | 61,5 | 72,5 | 67,5 | 74,9 | 73,5 | 77,3 | —    | —    |
| 1843                          | 17,9 | 63,9 | 22,0 | 64,9 | 26,0 | 66,0 | 30,0 | 66,9 | 34,0 | 67,9 | 38,1 | 68,8 | —    | —    | —    | —    |
| 812 Rub. Top - 881 Rub. Top   | 32,9 | 65,0 | 38,8 | 66,2 | 44,8 | 67,3 | 50,7 | 68,4 | 56,7 | 69,5 | 62,7 | 71,4 | 68,7 | 73,8 | 74,7 | 76,1 |
| 802 Rub. Top                  | 33,9 | 65,2 | 39,8 | 66,4 | 45,8 | 67,5 | 51,7 | 68,6 | 57,7 | 69,7 | 63,7 | 71,8 | 69,7 | 74,2 | 75,7 | 76,5 |
| HFP 820                       | 33,5 | 65,1 | 39,4 | 66,3 | 45,4 | 67,5 | 51,3 | 68,6 | 57,3 | 69,6 | 63,3 | 71,6 | 69,3 | 74,0 | 75,3 | 76,3 |
| HFP 821                       | 34,3 | 65,3 | 40,2 | 66,5 | 46,2 | 67,6 | 52,1 | 68,7 | 58,1 | 69,7 | 64,1 | 72,0 | 70,1 | 74,3 | 76,1 | 76,6 |
| HFP 867 - HFP 1877 - HFP 1873 | 40,3 | 66,5 | 46,3 | 67,6 | 52,4 | 68,7 | 58,4 | 69,8 | 64,5 | 72,1 | 70,5 | 74,5 | 76,5 | 76,8 | —    | —    |
| SLBP 821                      | 47,3 | 67,8 | 53,2 | 68,9 | 59,2 | 69,9 | 65,1 | 72,4 | 71,1 | 74,7 | 77,1 | 77,0 | —    | —    | —    | —    |

| Chain            | Z 9  |      | Z 10 |      | Z 11 |      | Z 12 |      | Z 13 |      | Z 14 |      | Z 15 |      |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                  | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    |
| 880 TAB, 879 TAB | 40,8 | 66,6 | 46,7 | 67,7 | 52,7 | 68,8 | 58,7 | 69,9 | 64,7 | 72,2 | 70,7 | 74,6 | 76,7 | 76,8 |
| 882 TAB          | 42,7 | 66,9 | 48,6 | 68,1 | 54,6 | 69,1 | 60,6 | 70,2 | —    | —    | —    | —    | —    | —    |
| LPC 279          | 50,2 | 68,3 | 56,1 | 69,4 | 62,1 | 71,2 | 68,1 | 73,5 | 74,1 | 75,8 | —    | —    | —    | —    |
| HFP 880 TAB      | 42,8 | 67,0 | 48,7 | 68,1 | 54,7 | 69,2 | 60,7 | 70,2 | 66,7 | 73,0 | 72,7 | 75,3 | —    | —    |
| HFP 882 TAB      | 45,2 | 67,4 | 51,1 | 68,5 | 57,1 | 69,6 | 63,1 | 71,6 | —    | —    | —    | —    | —    | —    |
| SLBP 882 TAB     | 57,2 | 69,6 | 63,1 | 71,6 | 69,1 | 73,9 | 75,1 | 76,2 | —    | —    | —    | —    | —    | —    |

| Chain                     | Z 12 |      | Z 16 |      | Z 21 |      | Z 23 |      | Z 24 |      | Z 25 |      | Z 27 |      | Z 32 |      |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                           | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    |
| 1505 - 1506               | 11,5 | 60,0 | 20,9 | 62,3 | —    | —    | —    | —    | 40,0 | 66,4 | —    | —    | —    | —    | 59,0 | 69,9 |
| 4705 - 4706 - 5705 - 5706 | 57,5 | 69,6 | —    | —    | 48,5 | 68,0 | 54,5 | 69,1 | 57,5 | 69,6 | 60,5 | 70,2 | 66,5 | 72,9 | —    | —    |
| HFP 5705                  | —    | —    | —    | —    | 51,0 | 68,5 | 57,0 | 69,9 | 60,0 | 70,1 | 63,0 | 71,5 | 69,0 | 73,9 | —    | —    |

H, L dimensions for  
MatTop® chains

| Chain              | Z 7  |      | Z 8  |      | Z 9  |      | Z 10 |      | Z 11 |      | Z 12 |      | Z 13 |      | Z 19 |      |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    |
| 2100               | —    | —    | —    | —    | —    | —    | —    | —    | 27,0 | 63,7 | —    | —    | 9,2  | 59,3 | 59,1 | 69,9 |
| 4812               | —    | —    | 32,5 | 64,9 | —    | —    | —    | —    | —    | —    | 56,3 | 69,4 | —    | —    | —    | —    |
| 5996               | 52,5 | 68,8 | —    | —    | 70,1 | 74,3 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    |
| 6390 - 6391 - 6392 | —    | —    | 49,8 | 68,3 | —    | —    | 65,4 | 72,5 | —    | —    | —    | —    | —    | —    | —    | —    |

| Chain                     | Z 10 |      | Z 16 |      | Z 18 |      | Z 21 |      | Z 24 |      | Z 25 |      | Z 31 |      |   |   |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|---|
|                           | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H | L |
| 5935 - 5936 - 8505 - 8506 | 13,0 | 60,4 | —    | —    | —    | —    | —    | —    | 55,6 | 69,3 | 58,6 | 69,8 | 76,9 | 76,9 | — | — |
| 7705 - 7706               | —    | —    | 49,0 | 68,1 | 57,0 | 69,6 | 69,1 | 73,9 | —    | —    | —    | —    | —    | —    | — | — |

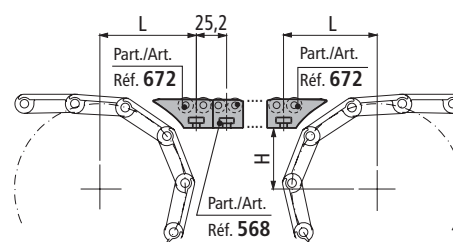
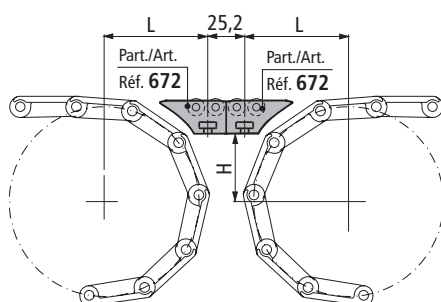
| Chain | Z 28 |      |   |   |
|-------|------|------|---|---|
|       | H    | L    | H | L |
| 500   | 38,6 | 66,1 | — | — |
| 505   | 40,6 | 66,5 | — | — |

H, L dimensions for  
MCC chains

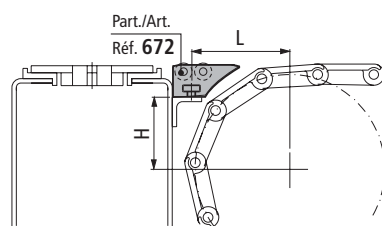
| Chain | Z 10 |      | Z 12 |      | Z 13 |      | Z 15 |      | Z 16 |      | Z 18 |      | Z 20 |      | Z 21 |      |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    |
| 1000  | —    | —    | 31,0 | 64,6 | —    | —    | —    | —    | 47,0 | 67,8 | 55,0 | 69,2 | 63,1 | 70,6 | —    | —    |
| 1005  | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 57,0 | 69,6 | —    | —    | 69,1 | 73,9 |
| 1050  | —    | —    | —    | —    | —    | —    | —    | —    | 54,8 | 69,2 | 62,8 | 71,5 | —    | —    | —    | —    |
| 1055  | —    | —    | —    | —    | —    | —    | —    | —    | 58,8 | 69,9 | 66,8 | 73,1 | —    | —    | —    | —    |
| 1255  | 35,3 | 65,5 | —    | —    | 50,2 | 68,4 | 60,3 | 70,1 | 65,3 | 72,4 | —    | —    | —    | —    | —    | —    |

## Position of transfer modules Part. 672-568

### • Head to tail transfer



### • 90° transfr



## H, L dimensions for TableTop® chains

| Chain                         | Z 15 |      | Z 17 |      | Z 19 |      | Z 21 |      | Z 23 |      | Z 25 |      | Z 27 |      | Z 29 |      |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                               | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    |
| 802 - 805 - 812 - 815 - 881   | 30,9 | 56,8 | 36,8 | 58,2 | 42,8 | 60,9 | 48,7 | 63,7 | 54,7 | 66,3 | 60,7 | 68,8 | 66,7 | 71,2 | 72,7 | 73,5 |
| 881 M - 8811 - 8811 TAB       | 30,9 | 56,8 | 36,8 | 58,2 | 42,8 | 60,9 | 48,7 | 63,7 | 54,7 | 66,3 | 60,7 | 68,8 | 66,7 | 71,2 | 72,7 | 73,5 |
| 512                           | 45,2 | 62,0 | 53,2 | 65,6 | 61,3 | 69,0 | 69,3 | 72,2 | —    | —    | —    | —    | —    | —    | —    | —    |
| 1864 - 1874 - 4874            | 37,3 | 65,0 | 43,3 | 65,3 | 49,4 | 68,2 | 55,4 | 70,9 | 61,5 | 73,6 | 67,5 | 76,1 | —    | —    | —    | —    |
| 820                           | 31,5 | 57,6 | 37,4 | 59,0 | 43,4 | 61,6 | 49,3 | 64,3 | 55,3 | 67,0 | 61,3 | 69,5 | 67,3 | 71,9 | 73,3 | 74,2 |
| 821                           | 32,3 | 58,0 | 38,2 | 59,4 | 44,2 | 62,1 | 50,1 | 64,8 | 56,1 | 67,4 | 62,1 | 69,9 | 68,1 | 72,3 | 74,1 | 74,7 |
| 843                           | 17,1 | 57,3 | 21,2 | 58,6 | 25,2 | 59,8 | 29,2 | 61,0 | 33,2 | 62,1 | 37,3 | 63,2 | —    | —    | —    | —    |
| 845                           | 17,1 | 55,4 | 21,2 | 56,6 | 25,2 | 57,8 | 29,2 | 58,9 | 33,2 | 59,9 | 37,3 | 60,9 | —    | —    | —    | —    |
| 963                           | 37,3 | 65,2 | 43,3 | 65,4 | 49,4 | 68,3 | 55,4 | 71,1 | 61,5 | 73,7 | 67,5 | 76,3 | —    | —    | —    | —    |
| 1873 - 1853 - 853             | 37,3 | 60,7 | 43,3 | 62,6 | 49,4 | 65,4 | 55,4 | 68,1 | 61,5 | 70,7 | 67,5 | 73,1 | 73,5 | 75,5 | —    | —    |
| 1843                          | 17,9 | 55,5 | 22,0 | 56,7 | 26,0 | 57,8 | 30,0 | 58,9 | 34,0 | 59,9 | 38,1 | 60,9 | —    | —    | —    | —    |
| 812 Rub. Top - 881 Rub. Top   | 32,9 | 57,3 | 38,8 | 58,6 | 44,8 | 61,9 | 50,7 | 64,6 | 56,7 | 67,1 | 62,7 | 69,6 | 68,7 | 72,0 | 74,7 | 74,3 |
| 802 Rub. Top                  | 33,9 | 57,5 | 39,8 | 58,8 | 45,8 | 62,3 | 51,7 | 65,0 | 57,7 | 67,5 | 63,7 | 70,0 | 69,7 | 72,4 | 75,7 | 74,7 |
| HFP 820                       | 33,5 | 57,4 | 39,4 | 58,8 | 45,4 | 62,1 | 51,3 | 64,8 | 57,3 | 67,4 | 63,3 | 69,8 | 69,3 | 72,2 | 75,3 | 74,5 |
| HFP 821                       | 34,3 | 57,6 | 40,2 | 58,9 | 46,2 | 62,5 | 52,1 | 65,2 | 58,1 | 67,7 | 64,1 | 70,2 | 70,1 | 72,5 | 76,1 | 74,8 |
| HFP 867 - HFP 1877 - HFP 1873 | 40,3 | 59,0 | 46,3 | 62,6 | 52,4 | 65,3 | 58,4 | 67,8 | 64,5 | 70,3 | 70,5 | 72,7 | 76,5 | 75,0 | —    | —    |
| SLBP 821                      | 47,3 | 63,0 | 53,2 | 65,6 | 59,2 | 68,2 | 65,1 | 70,6 | 71,1 | 72,9 | 77,1 | 75,2 | —    | —    | —    | —    |

| Chain            | Z 9  |      | Z 10 |      | Z 11 |      | Z 12 |      | Z 13 |      | Z 14 |      | Z 15 |      |  |  |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
|                  | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    |  |  |
| 880 TAB, 879 TAB | 40,8 | 59,1 | 46,7 | 62,8 | 52,7 | 65,4 | 58,7 | 68,0 | 64,7 | 70,4 | 70,7 | 72,8 | 76,7 | 75,0 |  |  |
| 882 TAB          | 42,7 | 60,9 | 48,6 | 63,6 | 54,6 | 66,2 | 60,6 | 68,7 | —    | —    | —    | —    | —    | —    |  |  |
| LPC 279          | 50,2 | 64,3 | 56,1 | 66,9 | 62,1 | 69,4 | 68,1 | 71,7 | 74,1 | 74,0 | —    | —    | —    | —    |  |  |
| HFP 880 TAB      | 42,8 | 60,9 | 48,7 | 63,7 | 54,7 | 66,3 | 60,7 | 68,8 | 66,7 | 71,2 | 72,7 | 73,5 | —    | —    |  |  |
| HFP 882 TAB      | 45,2 | 62,1 | 51,1 | 64,7 | 57,1 | 67,3 | 63,1 | 69,8 | —    | —    | —    | —    | —    | —    |  |  |
| SLBP 882 TAB     | 57,2 | 67,3 | 63,1 | 69,8 | 69,1 | 72,1 | 75,1 | 74,4 | —    | —    | —    | —    | —    | —    |  |  |

| Chain                     | Z 12 |      | Z 16 |      | Z 21 |      | Z 23 |      | Z 24 |      | Z 25 |      | Z 27 |      | Z 32 |      |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                           | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    |
| 1505 - 1506               | 11,5 | 51,5 | 20,9 | 54,2 | —    | —    | —    | —    | 40,0 | 58,9 | —    | —    | —    | —    | 59,0 | 68,1 |
| 4705 - 4706 - 5705 - 5706 | 57,5 | 67,5 | —    | —    | 48,5 | 63,6 | 54,5 | 66,2 | 57,5 | 67,5 | 60,5 | 68,7 | 66,5 | 71,1 | —    | —    |
| HFP 5705                  | —    | —    | —    | —    | 51,0 | 64,7 | 57,0 | 67,3 | 60,0 | 68,5 | 63,0 | 69,7 | 69,0 | 72,1 | —    | —    |

H, L dimensions for  
MatTop® chains

| Chain              | Z 7  |      | Z 8  |      | Z 9  |      | Z 10 |      | Z 11 |      | Z 12 |      | Z 13 |      | Z 19 |      |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    |
| 2100               | —    | —    | —    | —    | —    | —    | —    | —    | 27,0 | 55,8 | —    | —    | 9,2  | 50,8 | 59,1 | 68,1 |
| 4812               | —    | —    | 32,5 | 57,2 | —    | —    | —    | —    | —    | —    | 56,3 | 67,0 | —    | —    | —    | —    |
| 5996               | 52,5 | 65,3 | —    | —    | 70,1 | 72,5 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    |
| 6390 - 6391 - 6392 | —    | —    | 49,8 | 64,2 | —    | —    | 65,4 | 70,7 | —    | —    | —    | —    | —    | —    | —    | —    |

| Chain                     | Z 10 |      | Z 16 |      | Z 18 |      | Z 21 |      | Z 24 |      | Z 25 |      | Z 31 |      |   |   |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|---|
|                           | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H | L |
| 5935 - 5936 - 8505 - 8506 | 13,0 | 52,0 | —    | —    | —    | —    | —    | —    | 55,6 | 66,6 | 58,6 | 67,9 | 76,9 | 75,1 | — | — |
| 7705 - 7706               | —    | —    | 49,0 | 63,8 | 57,0 | 67,3 | 69,1 | 72,1 | —    | —    | —    | —    | —    | —    | — | — |

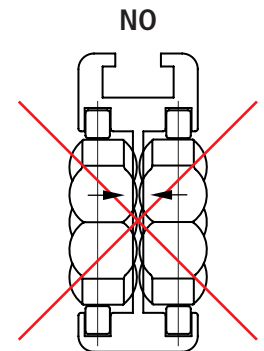
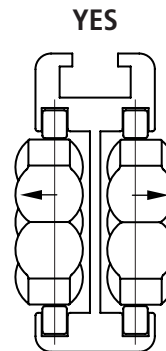
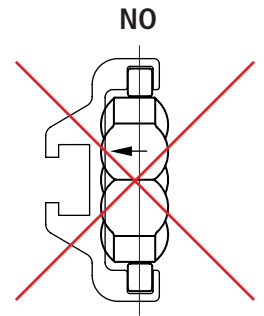
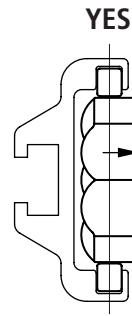
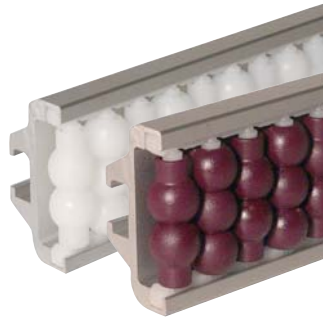
| Chain | Z 28 |      |   |   |
|-------|------|------|---|---|
|       | H    | L    | H | L |
| 500   | 38,6 | 58,6 | — | — |
| 505   | 40,6 | 59,0 | — | — |

H, L dimensions for  
MCC chains

| Chain | Z 10 |      | Z 12 |      | Z 13 |      | Z 15 |      | Z 16 |      | Z 18 |      | Z 20 |      | Z 21 |      |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    | H    | L    |
| 1000  | —    | —    | 31,0 | 56,8 | —    | —    | —    | —    | 47,0 | 62,9 | 55,0 | 66,4 | 63,1 | 69,8 | —    | —    |
| 1005  | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 57,0 | 67,3 | —    | —    | 69,1 | 72,1 |
| 1050  | —    | —    | —    | —    | —    | —    | —    | —    | 54,8 | 66,3 | 62,8 | 69,7 | —    | —    | —    | —    |
| 1055  | —    | —    | —    | —    | —    | —    | —    | —    | 58,8 | 68,0 | 66,8 | 71,3 | —    | —    | —    | —    |
| 1255  | 35,3 | 57,8 | —    | —    | 50,2 | 64,3 | 60,3 | 68,6 | 65,3 | 70,6 | —    | —    | —    | —    | —    | —    |

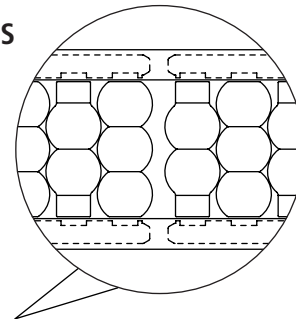
## Assembly of Part. 754 - 756

Check that rollers are free to rotate, the most protruding side must be placed outside.

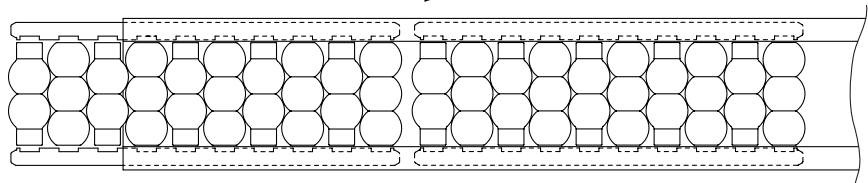


During the insertion of modules maintain the coupling 3 rollers / 2 rollers.

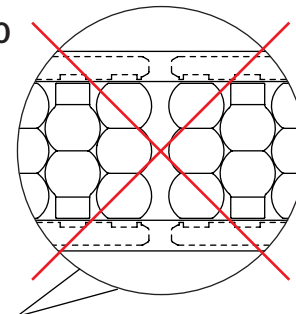
**YES**



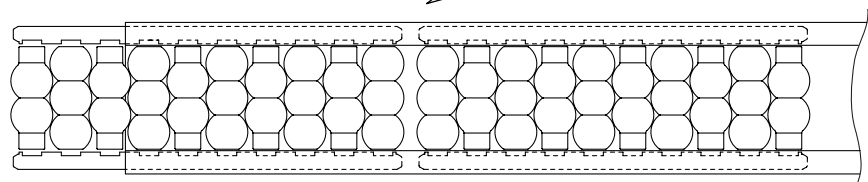
Direction of insertion →



**NO**



Direction of insertion →

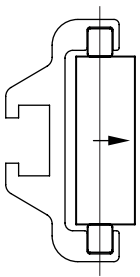




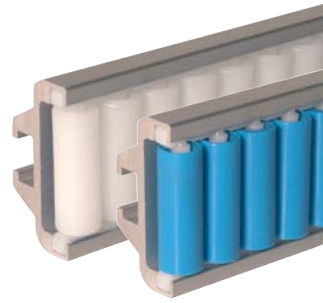
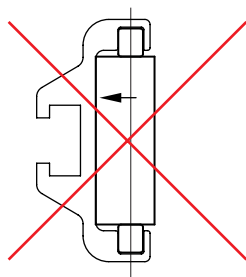
The most protruding side must be placed outside.

Assembly of  
Part. 656 - 731 - 755 - 757

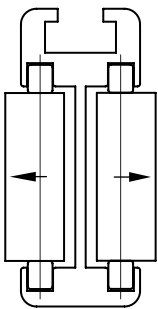
YES



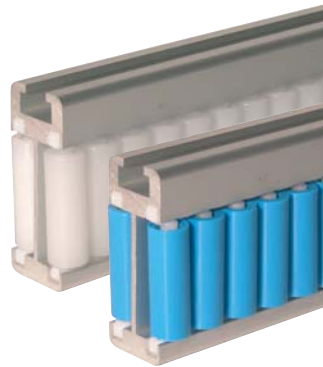
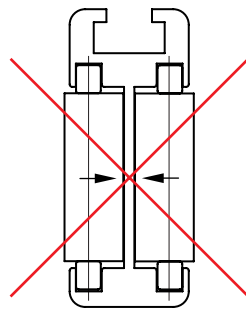
NO



YES



NO



## ARTICULATED FEET

in reinforced polyamide

Page R09-R33



## FIXED FEET

in reinforced polyamide and reinforced rubber

Page R34-R39



## ARTICULATED FEET GRIPPER

in reinforced polypropylene and stainless steel

Page R40-R45



## ARTICULATED FEET

in steel

Page R46-R51



## **FIXED FEET**

in steel  
Page R52-R54



## **VIBRATION ABSORBING FEET**

in steel  
Page R55



## **ANTI-SLIP SUPPORTS**

in steel and rubber  
Page R56-R57



## **THREADED BUSHINGS**

for round and square tubes  
Page R58-R59



**FIXED  
FEET**Part./Art. /Réf. **675**

R34

Part./Art. /Réf. **753**

R35

Part./Art. /Réf. **602**

R37

Part./Art. /Réf. **745**

R38

**ARTICULATED  
FEET  
GRIPPER**  
*in  
reinforced  
polypropylene  
and stainless steel*Part./Art. /Réf. **626-622-628**

R40

Available only with  
 **Microban®**  
antibacterial protectionPart./Art. /Réf. **627-623-629**

R41

Available only with  
 **Microban®**  
antibacterial protection

## ARTICULATED FEET in steel

Part./Art. /Réf. **747-748-749**



R46

Part./Art. /Réf. **750-751-752**



R47

## THREADED BUSHINGS for round and square tubes

Part./Art. /Réf. **180**

Versions dia. 50 and 80 mm



R58

Part./Art. /Réf. **224**

Versions 30x30 mm



R59

## ACCESSORIES

Part./Art. /Réf. **726**

Spacer for Part. 170-170R-171-171R-254-297-169



# ARTICULATED FEET in reinforced polyamide

## Part. 269



page R09

ø 40 • Max. load 10000 N.

## Part. 552



page R10

ø 40 • Max. load 5000 N.

## Part. 173



page R11

ø 50 • Max. load 10000 N.

## Part. 98-98R



page R12-R13

ø 60 • Max. load 12000 N.

## Part. 94 - 94R



page R14-R15

ø 60 • Prefitting for fixing •  
Max. load 12000 N.

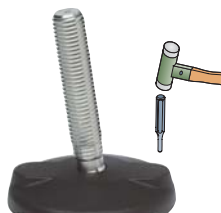
## Part. 172



page R16

ø 80 • Max. load 10000 N.

## Part. 323



page R17

ø 80 • Prefitting for fixing •  
Max. load 10000 N.

## Part. 132 -132R



page R18-R19

ø 100 • Max. load 13000 N.

## Part. 133 -133R



page R20-R21

ø 100 • Prefitting for fixing •  
Max. load 13000 N.

## Part. 479 - 479R



page R22-R23

ø 110 • Prefitting for fixing •  
Max. load 20000 N.

## Part. 292 - 292R



page R24-R25

ø 120 • Max. load 16000 N.

## Part. 170 - 170R



page R26-R27

ø 124 • Max. load 25000 N.

## Part. 171 - 171R



page R28-R29

ø 124 • Prefitting for fixing •  
Max. load 25000 N.

## Part. 254



page R30

ø 124 • Max. load 45000 N.

## Part. 297



page R31

ø 124 • Prefitting for fixing •  
Max. load 45000 N.

## Part. 134



page R32

ø 100 • Prefitting for fixing •  
Max. load 20000 N.

## Part. 169



page R33

ø 124 • Prefitting for fixing •  
Max. load 45000 N.

## Part. 726

NEW



page R26-27-28-29-30-31-33

ø 170 • Spacer for Part. 170-  
170R-171-171R-254-297-169



# Product range

## FIXED FEET in reinforced polyamide and reinforced rubber

Part. 675



NEW page R34

ø 30 • Max. load 10000 N.

Part. 753



NEW page R35

ø 30 • Max. load 2500 N.

Part. 600



page R36

ø 50 • Reinforced polyamide  
• Max. load 2000 N.

Part. 602



NEW page R37

ø 50 • Max. load 10000 N.

Part. 745



NEW page R38

Max. load 4000 N.

Part. 31



page R39

ø 110 • Rubber • Max. load  
6000 N.

## ARTICULATED FEET GRIPPER in reinforced polypropylene

Part. 626



page R40

ø 80 • Hygiene • Prefitting for fixing •  
Different colours • Customized cap with  
customer logo • Max. load 12000 N.

Part. 627



page R41

ø 80 • Hygiene • Prefitting for fixing •  
• Max. load 12000 N.

Part. 622



page R42

ø 100 • Hygiene • Prefitting for fixing •  
Different colours • Customized cap with  
customer logo • Max. load 19500 N.

Part. 623



page R43

ø 100 • Hygiene • Prefitting for fixing •  
• Max. load 19500 N.

Part. 628



page R44

ø 120 • Hygiene • Prefitting for fixing •  
Different colours • Customized cap with  
customer logo • Max. load 22000 N.

Part. 629



page R45

ø 120 • Hygiene • Prefitting for fixing •  
• Max. load 22000 N.

## ARTICULATED FEET GRIPPER in stainless steel

# ARTICULATED FEET in steel

## Part. 747



**NEW** page R46

ø 80 • Stainless steel •  
Hygiene • Max. load 25000 N.

## Part. 748



**NEW** page R46

ø 100 • Stainless steel •  
Hygiene • Max. load 25000 N.

## Part. 749



**NEW** page R46

ø 120 • Stainless steel •  
Hygiene • Max. load 25000 N.

## Part. 750



**NEW** page R47

ø 80 • Stainless steel •  
Hygiene • Max. load 12000 N.

## Part. 751



**NEW** page R47

ø 100 • Stainless steel •  
Hygiene • Max. load 12000 N.

## Part. 752



**NEW** page R47

ø 120 • Stainless steel •  
Hygiene • Max. load 12000 N.

## Part. 351



page R48

ø 123 • Stainless steel and  
zinc plated steel • Max. load  
10000 N.

## Part. 441



page R49

ø 123 • N. 2 holes • Zinc  
plated steel • Max. load  
10000 N.

## Part. 349



page R49

ø 123 • N. 4 holes • Stainless  
steel and zinc plated steel •  
Max. load 10000 N.

## Part. 549



page R50

ø 50 • Stainless steel •  
Hygiene • Max. load 8000 N.

## Part. 546



page R50

ø 80 • Stainless steel •  
Hygiene • Max. load 18000 N.

## Part. 547



page R50

ø 100 • Stainless steel •  
Hygiene • Max. load 22000 N.

## Part. 548



page R50

ø 125 • Stainless steel •  
Hygiene • Max. load 26000 N.

## Part. 408



page R51

ø 158 • Painted steel • Max.  
load 50000 N.

# FIXED FEET in steel

## Part. 383



page R52

ø 40 • Stainless steel •  
Hygiene • Max. load 7000 N.

## Part. 384



page R52

ø 65 • Stainless steel •  
Hygiene • Max. load 12000 N.

## Part. 399



page R52

ø 90 • Stainless steel •  
Hygiene • Max. load 11000 N.

## Part. 385



page R52

ø 110 • Stainless steel •  
Hygiene • Max. load 10000 N.

## Part. 403



page R53

ø 100 • Painted steel • Max.  
load 50000 N.

## Part. 528



page R53

ø 100 • Painted steel • Max.  
load 50000 N.

## Part. 406



page R54

ø 123 • Painted steel • Max.  
load 50000 N.

## Part. 529



page R54

ø 123 • Painted steel • Max.  
load 50000 N.

## VIBRATION ABSORBING FEET in steel

Part. 701



page R55

ø 80 • Zinc plated steel/zinc plated steel painted.

Part. 702



page R55

ø 120 • Zinc plated steel/zinc plated steel painted.

Part. 703



page R55

ø 160 • Zinc plated steel/zinc plated steel painted.

## ANTI-SLIP SUPPORTS in steel and rubber

Part. 230



page R56

ø 100 • Stainless steel/nickel plated steel • Max. load 10000 N.

Part. 404



page R56

ø 100 • Painted steel • Max. load 5000 N.

Part. 55



page R57

ø 110 • Rubber with steel insert • Max. load 6000 N.

Part. 187



page R57

ø 123 • Rubber with painted steel insert • Max. load 20000 N.

Part. 407



page R56-R57

Spindle for Part. 230 - 404 - 55 - 187 • Zinc plated steel.

## THREADED BUSHINGS for round and square tubes

Part. 180



page R58

For round tubes Ø 26,9-30-33,7-38-42,4-48,3-54-60,3 mm and 1,5" - 2."

Part. 224



page R59

For square tubes 30-35-40-50 mm and 1,5" - 2."

## SPINDLE MATERIALS

### Stainless steel

- Austenitic structure.
- High resistance to chemicals.
- Excellent resistance to oxidation.
- Non magnetic steel.
- Operating temperature:
  - in air (- 70°C to + 430°C)
  - in hot water (+ 120°C)
- Sectors of use
  - Humid and corrosive environments. Environments where hygiene regulations are strict and indispensable (food and dairy industry, chemicals-pharmaceuticals, bottling).
  - Electronics industry (where non-magnetic properties are required).

### Zinc plated steel

- Operating temperature:
  - in air (- 40°C to + 180°C)
  - in hot water (+ 120°C)
- Sectors of use
  - Moisture-free environments with low corrosion.

### Nickel plated brass

- Good resistance to chemicals.
- Operating temperature:
  - in air (- 40°C to + 180°C)
  - in hot water (+ 120°C)
- Sectors of use
  - Humid and wet environments.

### Reinforced polyamide with steel pin

- Good resistance to chemicals.
- Operating temperature:
  - in air (- 5°C to + 120°C)
  - in hot water (+ 100°C)
- Colour: black.
- Sectors of use
  - Industrial, packaging.

## FOOTPLATE MATERIALS

### Reinforced polyamide PA FV

- Good mechanical strength. Able to withstand high load capacities.
- High thermal resistance.
- Good resistance to chemicals.
- Operating temperature:
  - in air (- 30°C to + 120°C)
  - in hot water (+ 100°C)
- Colour: black.
- Inflammability: 94HB.

### Reinforced polypropylene PP FV

- Recommended in applications requiring high resistance to chemicals and fair mechanical properties (the load capacity is lower than reinforced polyamide).
- Operating temperature:
  - in air (+ 5°C to + 115°C)
  - in hot water (+ 115°C)
- Colour: black.
- Inflammability: 94HB.

## ANTI-SLIP MATERIALS

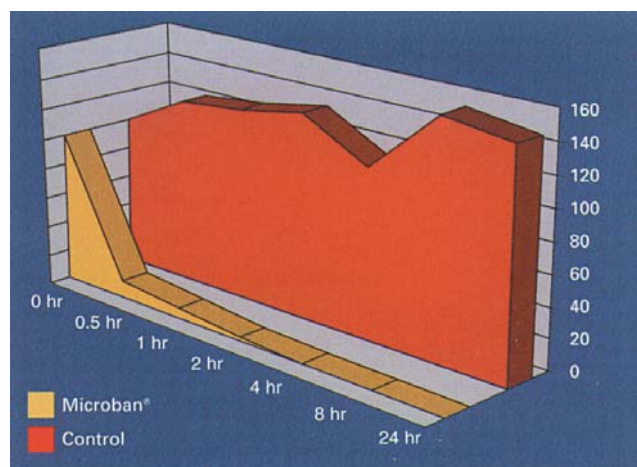
### NBR rubber

- Operating temperature:
  - in air (- 35°C to + 100°C)
  - in hot water (+ 80°C)
- Colour: black.
- Inflammability: 94HB

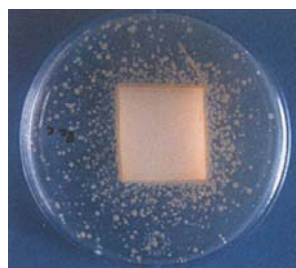
## ANTIBACTERIAL PROTECTION



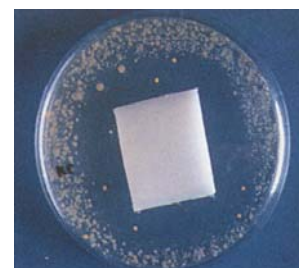
- Articulated Feet Gripper footplates Part.622-623-626-627-628-629, are supplied with Microban® antibacterial protection.
- By penetrating the cell wall of bacteria Microban® inhibits the growth of most common food poisoning bacteria, such as E.coli, Salmonella, Listeria, S-aureus, Campylobacter, which can cause contamination and odour.
- Independent laboratory tests have proven Microban® to be effective throughout the lifetime of the product. Because it is built-in, it is working all-over.
- The active agent used in Microban® technology has been recommended for approval in food contact uses by the European Union Scientific Committee for Food (SCF); in the United States the Environmental Protection Agency (EPA) has approved it for use in conveyor belts.



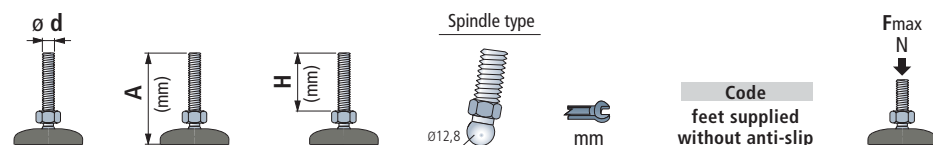
Bacteria E.coli in Microban® plastic compound compared to identical untreated plastic.



Without protection, growth of bacteria on and around the product.



With Microban®, absence of bacteria on and around the product.



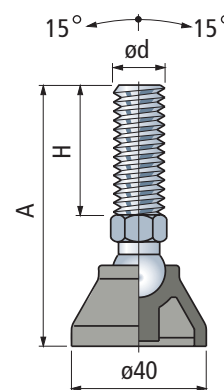
## Spindle in stainless steel

|      |     |     |    |    |            |       |
|------|-----|-----|----|----|------------|-------|
| M 10 | 105 | 71  | 2a | 12 | 269/625002 | 10000 |
| M 12 | 100 | 69  | 2a | 12 | 269/625012 |       |
|      | 165 | 132 | 2a | 12 | 269/625022 |       |
| M 14 | 100 | 68  | 2a | 13 | 269/625032 |       |
| M 16 | 105 | 72  | 2a | 15 | 269/625042 |       |
|      | 165 | 132 | 2a | 15 | 269/625052 |       |

## Spindle in zinc plated steel

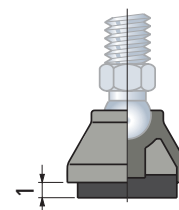
|      |     |     |    |    |             |       |
|------|-----|-----|----|----|-------------|-------|
| M 8  | 70  | 40  | 2a | 12 | 269/625062  | 10000 |
| M 10 | 65  | 33  | 2a | 12 | 269/625072  |       |
|      | 105 | 71  | 2a | 12 | 269/625082  |       |
| M 12 | 150 | 118 | 2a | 12 | 269/625092  |       |
|      | 80  | 48  | 2a | 12 | 269/625102  |       |
|      | 100 | 69  | 2a | 12 | 269/625112  |       |
| M 14 | 130 | 96  | 2a | 12 | 269/625122  |       |
|      | 100 | 68  | 2a | 13 | 269/625132  |       |
| M 16 | 80  | 47  | 2a | 15 | 269/625142* |       |
|      | 100 | 67  | 2a | 15 | 269/625152  |       |
|      | 200 | 167 | 2a | 15 | 269/625162  |       |

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging 48 pieces.
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.



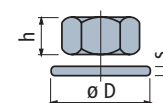
## Accessories

### Anti-slip



- Code : 630002.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 48 pieces.

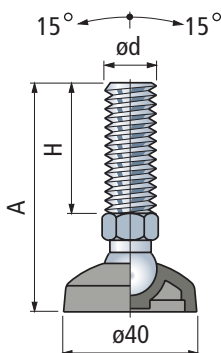
### Nut + Washer

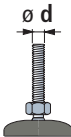
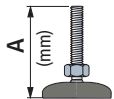
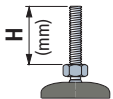
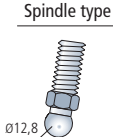
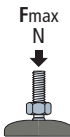


| Code                        |                      |  | h<br>mm | øD<br>mm | s<br>mm |     |
|-----------------------------|----------------------|---------------------------------------------------------------------------------------|---------|----------|---------|-----|
| Stainless steel<br>AISI 304 | Zinc plated<br>steel |                                                                                       |         |          |         |     |
| M8                          | -                    | 630102                                                                                | 6,5     | 13       | 17      | 1,6 |
| M10                         | 630182               | 630112                                                                                | 8       | 17       | 21      | 2   |
| M12                         | 630192               | 630122                                                                                | 10      | 19       | 24      | 2,5 |
| M14                         | 630202               | 630132                                                                                | 11      | 22       | 28      | 2,5 |
| M16                         | 630212               | 630142                                                                                | 13      | 24       | 30      | 3   |

Packaging : 24 pieces ( for M8, M10 ). 8 pieces ( for M12, M14, M16 ).

# Part. 552

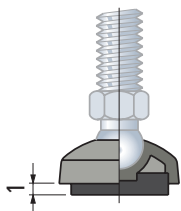


|  |  |  |  |  |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Code<br>feet supplied<br>without anti-slip                                        |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| Spindle in stainless steel                                                        |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| M 10                                                                              | 95                                                                                | 71                                                                                | 2a                                                                                 | 12                                                                                  | 552/625502                                                                          |
| M 12                                                                              | 90                                                                                | 69                                                                                | 2a                                                                                 | 12                                                                                  | 552/625512                                                                          |
|                                                                                   | 155                                                                               | 132                                                                               | 2a                                                                                 | 12                                                                                  | 552/625522                                                                          |
| M 14                                                                              | 90                                                                                | 68                                                                                | 2a                                                                                 | 13                                                                                  | 552/625532                                                                          |
| M 16                                                                              | 95                                                                                | 72                                                                                | 2a                                                                                 | 15                                                                                  | 552/625542                                                                          |
|                                                                                   | 155                                                                               | 132                                                                               | 2a                                                                                 | 15                                                                                  | 552/625552                                                                          |
| Spindle in zinc plated steel                                                      |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| M 8                                                                               | 60                                                                                | 40                                                                                | 2a                                                                                 | 12                                                                                  | 552/625562                                                                          |
|                                                                                   | 55                                                                                | 33                                                                                | 2a                                                                                 | 12                                                                                  | 552/625572                                                                          |
| M 10                                                                              | 95                                                                                | 71                                                                                | 2a                                                                                 | 12                                                                                  | 552/625582                                                                          |
|                                                                                   | 140                                                                               | 118                                                                               | 2a                                                                                 | 12                                                                                  | 552/625592                                                                          |
| M 12                                                                              | 70                                                                                | 48                                                                                | 2a                                                                                 | 12                                                                                  | 552/625602                                                                          |
|                                                                                   | 90                                                                                | 69                                                                                | 2a                                                                                 | 12                                                                                  | 552/625612                                                                          |
|                                                                                   | 120                                                                               | 96                                                                                | 2a                                                                                 | 12                                                                                  | 552/625622                                                                          |
| M 14                                                                              | 90                                                                                | 68                                                                                | 2a                                                                                 | 13                                                                                  | 552/625632                                                                          |
|                                                                                   | 70                                                                                | 47                                                                                | 2a                                                                                 | 15                                                                                  | 552/625642*                                                                         |
| M 16                                                                              | 90                                                                                | 67                                                                                | 2a                                                                                 | 15                                                                                  | 552/625652                                                                          |
|                                                                                   | 190                                                                               | 167                                                                               | 2a                                                                                 | 15                                                                                  | 552/625662                                                                          |

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 48 pieces.
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

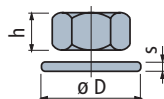
## Accessories

### Anti-slip



- Code : 630002.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 48 pieces.

### Nut + Washer

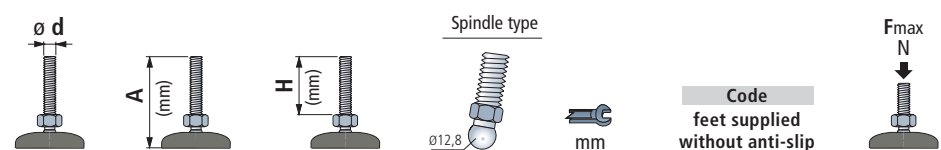


| Code            |                   | h      | s   | ØD | s  |
|-----------------|-------------------|--------|-----|----|----|
| Stainless steel | Zinc plated steel | mm     | mm  | mm | mm |
| AISI 304        | steel             | mm     | mm  | mm | mm |
| M8              | -                 | 630102 | 6,5 | 13 | 17 |
| M10             | 630182            | 630112 | 8   | 17 | 21 |
| M12             | 630192            | 630122 | 10  | 19 | 24 |
| M14             | 630202            | 630132 | 11  | 22 | 28 |
| M16             | 630212            | 630142 | 13  | 24 | 30 |

Packaging : 24 pieces ( for M8, M10 ). 8 pieces ( for M12, M14, M16 ).



# Part. 173



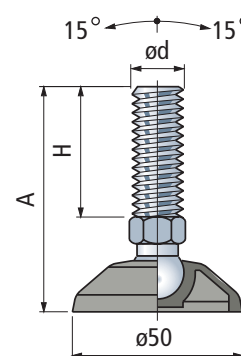
## Spindle in stainless steel

|      |     |     |    |    |            |       |
|------|-----|-----|----|----|------------|-------|
| M 10 | 95  | 71  | 2a | 12 | 173/625252 | 10000 |
| M 12 | 90  | 69  | 2a | 12 | 173/625262 |       |
|      | 155 | 132 | 2a | 12 | 173/625272 |       |
| M 14 | 90  | 68  | 2a | 13 | 173/625282 |       |
| M 16 | 95  | 72  | 2a | 15 | 173/625292 |       |
|      | 155 | 132 | 2a | 15 | 173/625302 |       |

## Spindle in zinc plated steel

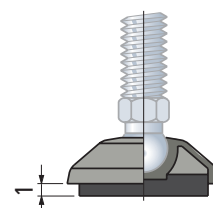
|      |     |     |    |    |             |       |
|------|-----|-----|----|----|-------------|-------|
| M 8  | 60  | 40  | 2a | 12 | 173/625312  | 10000 |
| M 10 | 55  | 33  | 2a | 12 | 173/625322  |       |
|      | 95  | 71  | 2a | 12 | 173/625332  |       |
|      | 140 | 118 | 2a | 12 | 173/625342  |       |
| M 12 | 70  | 48  | 2a | 12 | 173/625352  |       |
|      | 90  | 69  | 2a | 12 | 173/625362  |       |
|      | 120 | 96  | 2a | 12 | 173/625372  |       |
| M 14 | 90  | 68  | 2a | 13 | 173/625382  |       |
|      | 70  | 47  | 2a | 15 | 173/625392* |       |
| M 16 | 90  | 67  | 2a | 15 | 173/625402  |       |
|      | 190 | 167 | 2a | 15 | 173/625412  |       |

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces.
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.



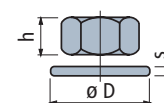
## Accessories

### Anti-slip



- Code : 630012.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

### Nut + Washer

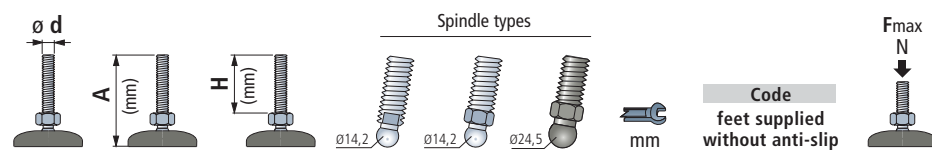
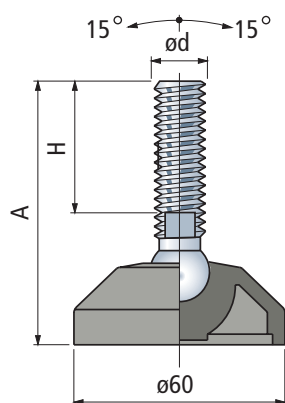


| Code                        |                      |  | h<br>mm | øD<br>mm | s<br>mm |     |
|-----------------------------|----------------------|---------------------------------------------------------------------------------------|---------|----------|---------|-----|
| Stainless steel<br>AISI 304 | Zinc plated<br>steel |                                                                                       |         |          |         |     |
| M8                          | -                    | 630102                                                                                | 6,5     | 13       | 17      | 1,6 |
| M10                         | 630182               | 630112                                                                                | 8       | 17       | 21      | 2   |
| M12                         | 630192               | 630122                                                                                | 10      | 19       | 24      | 2,5 |
| M14                         | 630202               | 630132                                                                                | 11      | 22       | 28      | 2,5 |
| M16                         | 630212               | 630142                                                                                | 13      | 24       | 30      | 3   |

Packaging : 24 pieces ( for M8, M10 ). 8 pieces ( for M12, M14, M16 ).



# Part. 98



| Spindle in stainless steel |     |     |    |   |   |    |           |
|----------------------------|-----|-----|----|---|---|----|-----------|
| M 14                       | 110 | 76  | 1a | - | - | 11 | 98/626002 |
|                            | 100 | 64  | 1a | - | - | 13 | 98/626012 |
| M 16                       | 115 | 81  | 1a | - | - | 13 | 98/626022 |
|                            | 160 | 124 | 1a | - | - | 13 | 98/626032 |
|                            | 185 | 151 | 1a | - | - | 13 | 98/626042 |
| M 20                       | 120 | 84  | 1a | - | - | 16 | 98/626052 |
|                            | 185 | 149 | 1a | - | - | 16 | 98/626062 |
| M 24                       | 185 | 146 | 1a | - | - | 19 | 98/626072 |

10000

| Spindle in nickel plated brass |    |    |   |    |   |    |           |
|--------------------------------|----|----|---|----|---|----|-----------|
| M 16                           | 95 | 63 | - | 2b | - | 16 | 98/626082 |

10000

| Spindle in zinc plated steel |     |     |    |    |   |    |           |
|------------------------------|-----|-----|----|----|---|----|-----------|
| M 14                         | 90  | 56  | 1a | -  | - | 11 | 98/626092 |
|                              | 80  | 48  | -  | 2b | - | 16 | 98/685701 |
|                              | 95  | 61  | 1a | -  | - | 13 | 98/626102 |
|                              | 100 | 68  | -  | 2b | - | 16 | 98/674171 |
|                              | 125 | 89  | -  | 2b | - | 16 | 98/685741 |
| M 16                         | 130 | 96  | 1a | -  | - | 13 | 98/626112 |
|                              | 150 | 116 | 1a | -  | - | 13 | 98/626122 |
|                              | 160 | 124 | -  | 2b | - | 16 | 98/674191 |
|                              | 165 | 130 | -  | 2b | - | 16 | 98/685761 |
|                              | 185 | 151 | 1a | -  | - | 13 | 98/626132 |
|                              | 200 | 165 | -  | 2b | - | 16 | 98/674211 |
|                              | 235 | 201 | -  | 2b | - | 16 | 98/674231 |
| M 20                         | 135 | 100 | 1a | -  | - | 16 | 98/626142 |
|                              | 185 | 150 | 1a | -  | - | 16 | 98/626152 |
|                              | 250 | 214 | 1a | -  | - | 16 | 98/626162 |
| M 24                         | 120 | 81  | 1a | -  | - | 19 | 98/626172 |
|                              | 185 | 146 | 1a | -  | - | 19 | 98/626182 |

10000

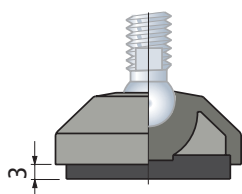
| Spindle in reinforced polyamid (black) with steel pin |     |     |   |   |   |    |           |
|-------------------------------------------------------|-----|-----|---|---|---|----|-----------|
| M 16                                                  | 100 | 54  | - | - | 3 | 24 | 98/61920  |
| M 20                                                  | 120 | 69  | - | - | 3 | 30 | 98/51540* |
|                                                       | 180 | 129 | - | - | 3 | 30 | 98/51530  |

6000

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces.
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

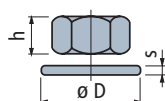
## Accessories

### Anti-slip



- Code : 630022.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

### Nut + Washer

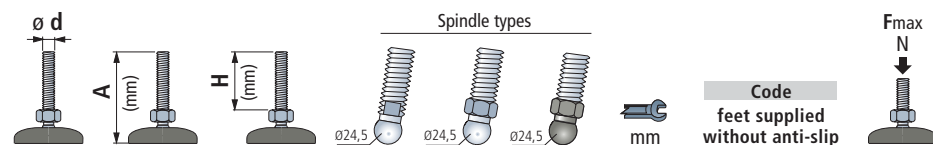


| Code                        |                      | h<br>mm | s<br>mm | ØD<br>mm | s<br>mm |
|-----------------------------|----------------------|---------|---------|----------|---------|
| Stainless steel<br>AISI 304 | Zinc plated<br>steel |         |         |          |         |
| M14                         | 630202               | 630132  | 11      | 22       | 28      |
| M16                         | 630212               | 630142  | 13      | 24       | 30      |
| M20                         | 630222               | 630152  | 16      | 30       | 37      |
| M24                         | 630232               | 630162  | 19      | 36       | 44      |

Packaging : 8 pieces.

## Part. 98R

Reinforced version



### Spindle in stainless steel

| M 16 | 115 | 74  | -  | 6b | - | 24 | 98/628782 |
|------|-----|-----|----|----|---|----|-----------|
|      | 150 | 109 | -  | 6b | - | 24 | 98/628792 |
|      | 185 | 144 | -  | 6b | - | 24 | 98/628802 |
|      | 200 | 159 | -  | 6b | - | 24 | 98/628812 |
| M 20 | 120 | 74  | 1b | -  | - | 16 | 98/53171  |
|      | 185 | 139 | 1b | -  | - | 16 | 98/53161  |
|      | 250 | 204 | 1b | -  | - | 16 | 98/685641 |
| M 24 | 120 | 79  | -  | 6b | - | 24 | 98/628862 |
|      | 220 | 179 | -  | 6b | - | 24 | 98/628872 |
|      | 255 | 216 | 1b | -  | - | 19 | 98/61634  |

### Spindle in stainless steel with ball in reinforced polyamide (black)

|      |     |     |   |   |   |    |            |
|------|-----|-----|---|---|---|----|------------|
| M 12 | 100 | 53  | - | - | 6 | 19 | 98/673671  |
|      | 150 | 103 | - | - | 6 | 19 | 98/673691  |
|      | 195 | 149 | - | - | 6 | 19 | 98/673711  |
| M 14 | 150 | 103 | - | - | 6 | 19 | 98/673751* |
|      | 195 | 149 | - | - | 6 | 19 | 98/673771* |
| M 16 | 100 | 53  | - | - | 6 | 24 | 98/673791  |
|      | 110 | 67  | - | - | 6 | 24 | 98/638162  |
|      | 120 | 75  | - | - | 6 | 24 | 98/673831* |
|      | 150 | 103 | - | - | 6 | 24 | 98/673851  |
|      | 185 | 139 | - | - | 6 | 24 | 98/673871  |
|      | 225 | 181 | - | - | 6 | 24 | 98/673931  |
| M 20 | 195 | 149 | - | - | 6 | 24 | 98/669001* |

### Spindle in zinc plated steel

|      |     |     |    |    |   |    |            |
|------|-----|-----|----|----|---|----|------------|
| M 16 | 95  | 54  | -  | 6b | - | 24 | 98/628822  |
|      | 130 | 89  | -  | 6b | - | 24 | 98/628832  |
|      | 160 | 119 | -  | 6b | - | 24 | 98/628842  |
|      | 195 | 154 | -  | 6b | - | 24 | 98/628852  |
| M 20 | 120 | 74  | 1b | -  | - | 16 | 98/53151   |
|      | 150 | 106 | 1b | -  | - | 16 | 98/61564   |
|      | 185 | 139 | 1b | -  | - | 16 | 98/52561   |
|      | 250 | 204 | 1b | -  | - | 16 | 98/66401   |
| M 24 | 120 | 79  | -  | 6b | - | 24 | 98/628882* |
|      | 185 | 144 | -  | 6b | - | 24 | 98/628892  |
|      | 325 | 288 | 1b | -  | - | 19 | 98/673651* |

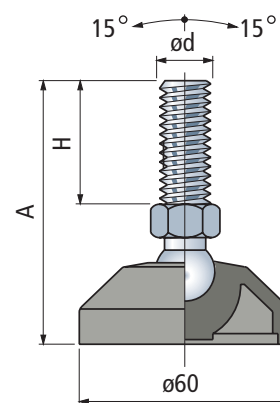
### Spindle in zinc plated steel with ball in reinforced polyamide (black)

|      |     |    |   |   |   |    |           |       |
|------|-----|----|---|---|---|----|-----------|-------|
| M 12 | 110 | 64 | - | - | 6 | 19 | 98/673511 | 12000 |
|------|-----|----|---|---|---|----|-----------|-------|

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces (\* = 12 pieces).
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

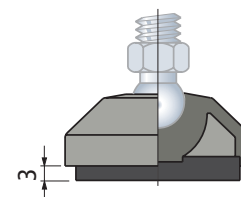


Same dimensions as Part. 98, it differs in its higher load capacity.



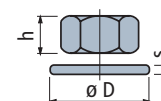
### Accessories

#### Anti-slip



- Code : 630022.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces

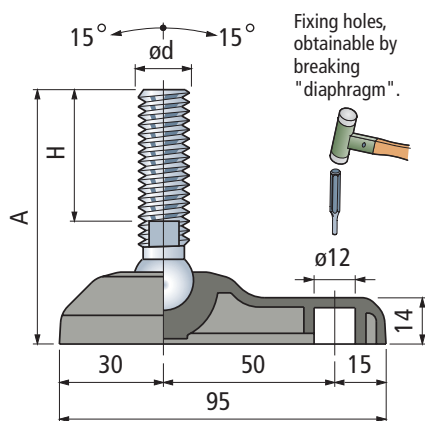
#### Nut + Washer



|     | Code            |                   |      |      |       |      |  |
|-----|-----------------|-------------------|------|------|-------|------|--|
|     | Stainless steel | Zinc plated steel | h mm | s mm | ØD mm | s mm |  |
| M12 | 630192          | 630122            | 10   | 19   | 24    | 2,5  |  |
| M14 | 630202          | 630132            | 11   | 22   | 28    | 2,5  |  |
| M16 | 630212          | 630142            | 13   | 24   | 30    | 3    |  |
| M20 | 630222          | 630152            | 16   | 30   | 37    | 3    |  |
| M24 | 630232          | 630162            | 19   | 36   | 44    | 4    |  |

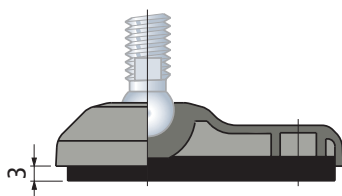
Packaging : 8 pieces.

# Part. 94



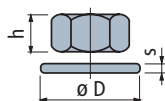
## Accessories

### Anti-slip



- Code : 630032.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

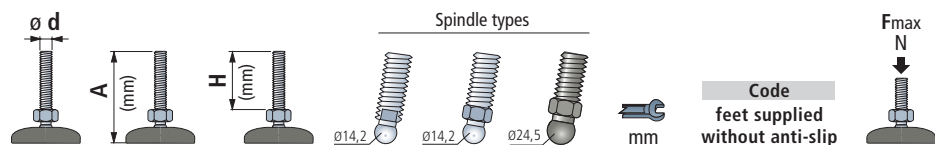
### Nut + Washer



#### Code

|     | Stainless steel<br>AISI 304 | Zinc plated<br>steel | h<br>mm | s<br>mm | ØD<br>mm | s<br>mm |
|-----|-----------------------------|----------------------|---------|---------|----------|---------|
| M14 | 630202                      | 630132               | 11      | 22      | 28       | 2,5     |
| M16 | 630212                      | 630142               | 13      | 24      | 30       | 3       |
| M20 | 630222                      | 630152               | 16      | 30      | 37       | 3       |
| M24 | 630232                      | 630162               | 19      | 36      | 44       | 4       |

Packaging : 8 pieces.



### Spindle in stainless steel

| M    | A (mm) | H (mm) | Spindle types | mm | Code      | Fmax N |
|------|--------|--------|---------------|----|-----------|--------|
| M 14 | 110    | 76     | 1a            | -  | 94/626192 | 10000  |
|      | 100    | 64     | 1a            | -  | 94/626202 |        |
| M 16 | 115    | 81     | 1a            | -  | 94/626212 |        |
|      | 160    | 124    | 1a            | -  | 94/626222 |        |
|      | 185    | 151    | 1a            | -  | 94/626232 |        |
| M 20 | 120    | 84     | 1a            | -  | 94/626242 |        |
|      | 185    | 149    | 1a            | -  | 94/626252 | 10000  |
| M 24 | 185    | 146    | 1a            | -  | 94/626262 |        |

### Spindle in nickel plated brass

| M    | A (mm) | H (mm) | Spindle types | mm | Code      | Fmax N |
|------|--------|--------|---------------|----|-----------|--------|
| M 16 | 95     | 63     | -             | 2b | 94/626272 | 10000  |

### Spindle in zinc plated steel

| M    | A (mm) | H (mm) | Spindle types | mm | Code      | Fmax N |
|------|--------|--------|---------------|----|-----------|--------|
| M 14 | 90     | 56     | 1a            | -  | 94/626282 | 10000  |
|      | 80     | 48     | -             | 2b | 94/690541 |        |
|      | 95     | 61     | 1a            | -  | 94/626292 |        |
|      | 100    | 68     | -             | 2b | 94/690581 |        |
|      | 125    | 89     | -             | 2b | 94/690601 |        |
| M 16 | 130    | 96     | 1a            | -  | 94/626302 |        |
|      | 150    | 116    | 1a            | -  | 94/626312 |        |
|      | 160    | 124    | -             | 2b | 94/690641 |        |
|      | 165    | 130    | -             | 2b | 94/690661 |        |
|      | 185    | 151    | 1a            | -  | 94/626322 |        |
|      | 200    | 165    | -             | 2b | 94/690721 | 10000  |
|      | 235    | 201    | -             | 2b | 94/690741 |        |
| M 20 | 135    | 100    | 1a            | -  | 94/626332 |        |
|      | 185    | 150    | 1a            | -  | 94/626342 |        |
|      | 250    | 214    | 1a            | -  | 94/626352 |        |
| M 24 | 120    | 81     | 1a            | -  | 94/626362 |        |
|      | 185    | 146    | 1a            | -  | 94/626372 |        |

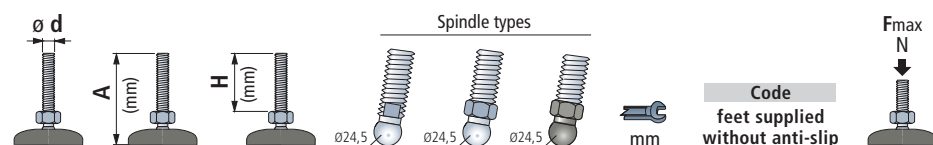
### Spindle in reinforced polyamid (black) with steel pin

| M    | A (mm) | H (mm) | Spindle types | mm | Code       | Fmax N |
|------|--------|--------|---------------|----|------------|--------|
| M 16 | 100    | 54     | -             | 3  | 94/690421  | 6000   |
| M 20 | 120    | 69     | -             | 3  | 94/690441* |        |
|      | 180    | 129    | -             | 3  | 94/690461  |        |

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces.
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

## Part. 94R

Reinforced version



| Spindle in stainless steel |     |     |    |    |   |    | Code<br>feet supplied<br>without anti-slip | Fmax<br>N |
|----------------------------|-----|-----|----|----|---|----|--------------------------------------------|-----------|
|                            |     |     |    |    |   |    |                                            |           |
| M 16                       | 115 | 74  | -  | 6b | - | 24 | 94/626872                                  | 12000     |
|                            | 150 | 109 | -  | 6b | - | 24 | 94/626882                                  |           |
|                            | 185 | 144 | -  | 6b | - | 24 | 94/626892                                  |           |
|                            | 200 | 159 | -  | 6b | - | 24 | 94/626902                                  |           |
| M 20                       | 120 | 74  | 1b | -  | - | 16 | 94/690001                                  |           |
|                            | 185 | 139 | 1b | -  | - | 16 | 94/690081                                  |           |
|                            | 250 | 204 | 1b | -  | - | 16 | 94/690141                                  |           |
| M 24                       | 120 | 79  | -  | 6b | - | 24 | 94/626952                                  |           |
|                            | 220 | 179 | -  | 6b | - | 24 | 94/626962                                  |           |
|                            | 255 | 216 | 1b | -  | - | 19 | 94/690301                                  |           |

| Spindle in stainless steel with ball in reinforced polyamide (black) |     |     |   |   |   |    | Code<br>feet supplied<br>without anti-slip | Fmax<br>N |
|----------------------------------------------------------------------|-----|-----|---|---|---|----|--------------------------------------------|-----------|
|                                                                      |     |     |   |   |   |    |                                            |           |
| M 12                                                                 | 100 | 53  | - | - | 6 | 19 | 94/689561                                  | 12000     |
|                                                                      | 150 | 103 | - | - | 6 | 19 | 94/689581                                  |           |
|                                                                      | 195 | 149 | - | - | 6 | 19 | 94/689601                                  |           |
| M 14                                                                 | 150 | 103 | - | - | 6 | 19 | 94/689681*                                 |           |
|                                                                      | 195 | 149 | - | - | 6 | 19 | 94/689701*                                 |           |
| M 16                                                                 | 100 | 53  | - | - | 6 | 24 | 94/689741                                  |           |
|                                                                      | 110 | 67  | - | - | 6 | 24 | 94/689781                                  |           |
|                                                                      | 120 | 75  | - | - | 6 | 24 | 94/689801*                                 |           |
|                                                                      | 150 | 103 | - | - | 6 | 24 | 94/689821                                  |           |
|                                                                      | 185 | 139 | - | - | 6 | 24 | 94/689901                                  |           |
|                                                                      | 225 | 181 | - | - | 6 | 24 | 94/689981                                  |           |
| M 20                                                                 | 195 | 149 | - | - | 6 | 24 | 94/690121*                                 |           |

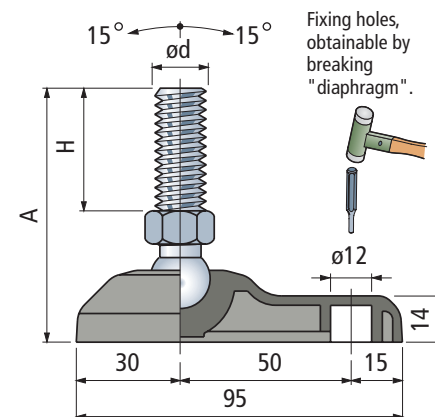
| Spindle in zinc plated steel |     |     |    |    |   |    | Code<br>feet supplied<br>without anti-slip | Fmax<br>N |
|------------------------------|-----|-----|----|----|---|----|--------------------------------------------|-----------|
|                              |     |     |    |    |   |    |                                            |           |
| M 16                         | 95  | 54  | -  | 6b | - | 24 | 94/626912                                  | 12000     |
|                              | 130 | 89  | -  | 6b | - | 24 | 94/626922                                  |           |
|                              | 160 | 119 | -  | 6b | - | 24 | 94/626932                                  |           |
|                              | 195 | 154 | -  | 6b | - | 24 | 94/626942                                  |           |
| M 20                         | 120 | 74  | 1b | -  | - | 16 | 94/690781                                  |           |
|                              | 150 | 106 | 1b | -  | - | 16 | 94/690851                                  |           |
|                              | 185 | 139 | 1b | -  | - | 16 | 94/690871                                  |           |
|                              | 250 | 204 | 1b | -  | - | 16 | 94/690931                                  |           |
| M 24                         | 120 | 79  | -  | 6b | - | 24 | 94/626972*                                 |           |
|                              | 185 | 144 | -  | 6b | - | 24 | 94/626982                                  |           |
|                              | 325 | 288 | 1b | -  | - | 19 | 94/691071*                                 |           |

| Spindle in zinc plated steel with ball in reinforced polyamide (black) |     |    |   |   |   |    | Code<br>feet supplied<br>without anti-slip | Fmax<br>N |
|------------------------------------------------------------------------|-----|----|---|---|---|----|--------------------------------------------|-----------|
|                                                                        |     |    |   |   |   |    |                                            |           |
| M 12                                                                   | 110 | 64 | - | - | 6 | 19 | 94/690481                                  | 12000     |

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces (\*= 12 pieces).
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

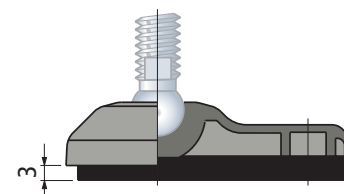


Same dimensions as Part. 94, it differs in its higher load capacity.



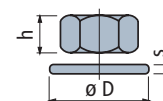
### Accessories

#### Anti-slip



- Code : 630032.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

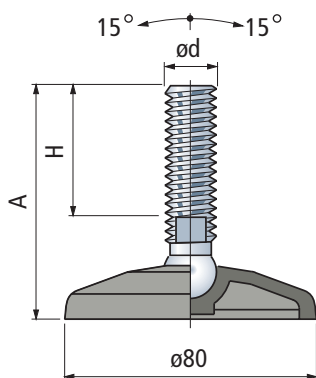
#### Nut + Washer



| Code            |             |        |                                                                                       |    |    |     |
|-----------------|-------------|--------|---------------------------------------------------------------------------------------|----|----|-----|
| Stainless steel | Zinc plated | h      |  | øD | s  |     |
| AlSi 304        | steel       | mm     | mm                                                                                    | mm | mm |     |
| M12             | 630192      | 630122 | 10                                                                                    | 19 | 24 | 2,5 |
| M14             | 630202      | 630132 | 11                                                                                    | 22 | 28 | 2,5 |
| M16             | 630212      | 630142 | 13                                                                                    | 24 | 30 | 3   |
| M20             | 630222      | 630152 | 16                                                                                    | 30 | 37 | 3   |
| M24             | 630232      | 630162 | 19                                                                                    | 36 | 44 | 4   |

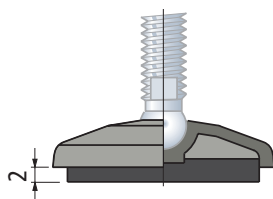
Packaging : 8 pieces.

# Part. 172



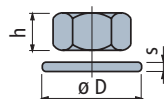
## Accessories

### Anti-slip



- Code : **630042**.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

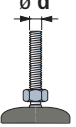
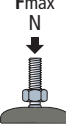
### Nut + Washer



#### Code

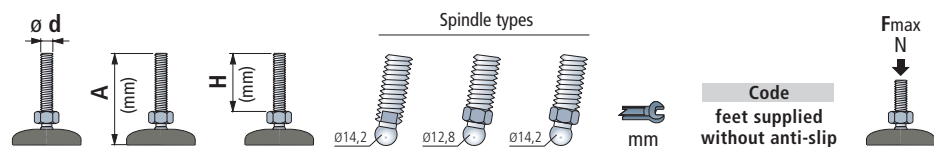
|     | Stainless steel<br>AISI 304 | Zinc plated<br>steel | h<br>mm | mm | øD<br>mm | s<br>mm |
|-----|-----------------------------|----------------------|---------|----|----------|---------|
| M8  | -                           | 630102               | 6,5     | 13 | 17       | 1,6     |
| M10 | 630182                      | 630112               | 8       | 17 | 21       | 2       |
| M12 | 630192                      | 630122               | 10      | 19 | 24       | 2,5     |
| M14 | 630202                      | 630132               | 11      | 22 | 28       | 2,5     |
| M16 | 630212                      | 630142               | 13      | 24 | 30       | 3       |
| M20 | 630222                      | 630152               | 16      | 30 | 37       | 3       |
| M24 | 630232                      | 630162               | 19      | 36 | 44       | 4       |

Packaging : 24 pieces ( for M8, M10 ). 8 pieces ( for M12, M14, M16, M20, M24 ).

|  |  |  | Spindle types |    |    |  |  |  |  | Code<br>feet supplied<br>without anti-slip |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------|----|----|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------|
| Spindle in stainless steel                                                        |                                                                                   |                                                                                   |               |    |    |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                            |                                                                                     |
| M 10                                                                              | 95                                                                                | 71                                                                                | -             | 2a | -  | 12                                                                                | 172/65666                                                                          |                                                                                     |                                                                                     |                                            | 9000                                                                                |
| M 12                                                                              | 95                                                                                | 69                                                                                | -             | 2a | -  | 12                                                                                | 172/65566                                                                          |                                                                                     |                                                                                     |                                            |                                                                                     |
|                                                                                   | 155                                                                               | 132                                                                               | -             | 2a | -  | 12                                                                                | 172/674461                                                                         |                                                                                     |                                                                                     |                                            |                                                                                     |
| M 14                                                                              | 95                                                                                | 68                                                                                | -             | 2a | -  | 12                                                                                | 172/626802                                                                         |                                                                                     |                                                                                     |                                            | 10000                                                                               |
|                                                                                   | 105                                                                               | 76                                                                                | 1a            | -  | -  | 11                                                                                | 172/626382                                                                         |                                                                                     |                                                                                     |                                            |                                                                                     |
| M 16                                                                              | 95                                                                                | 64                                                                                | 1a            | -  | -  | 13                                                                                | 172/626392                                                                         |                                                                                     |                                                                                     |                                            |                                                                                     |
|                                                                                   | 100                                                                               | 72                                                                                | -             | 2a | -  | 15                                                                                | 172/626812                                                                         |                                                                                     |                                                                                     |                                            | 10000                                                                               |
|                                                                                   | 110                                                                               | 81                                                                                | 1a            | -  | -  | 13                                                                                | 172/626402                                                                         |                                                                                     |                                                                                     |                                            | 9000                                                                                |
|                                                                                   | 155                                                                               | 124                                                                               | 1a            | -  | -  | 13                                                                                | 172/626412                                                                         |                                                                                     |                                                                                     |                                            | 10000                                                                               |
|                                                                                   | 160                                                                               | 132                                                                               | -             | 2a | -  | 15                                                                                | 172/626822                                                                         |                                                                                     |                                                                                     |                                            | 9000                                                                                |
|                                                                                   | 180                                                                               | 151                                                                               | 1a            | -  | -  | 13                                                                                | 172/626422                                                                         |                                                                                     |                                                                                     |                                            | 10000                                                                               |
| M 20                                                                              | 115                                                                               | 84                                                                                | 1a            | -  | -  | 16                                                                                | 172/626432                                                                         |                                                                                     |                                                                                     |                                            | 10000                                                                               |
|                                                                                   | 180                                                                               | 149                                                                               | 1a            | -  | -  | 16                                                                                | 172/626442                                                                         |                                                                                     |                                                                                     |                                            |                                                                                     |
| M 24                                                                              | 180                                                                               | 146                                                                               | 1a            | -  | -  | 19                                                                                | 172/626452                                                                         |                                                                                     |                                                                                     |                                            |                                                                                     |
| Spindle in nickel plated brass                                                    |                                                                                   |                                                                                   |               |    |    |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                            |                                                                                     |
| M 16                                                                              | 90                                                                                | 63                                                                                | -             | -  | 2b | 16                                                                                | 172/626462                                                                         |                                                                                     |                                                                                     |                                            | 10000                                                                               |
| Spindle in zinc plated steel                                                      |                                                                                   |                                                                                   |               |    |    |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                            |                                                                                     |
| M 8                                                                               | 65                                                                                | 40                                                                                | -             | 2a | -  | 12                                                                                | 172/674401                                                                         |                                                                                     |                                                                                     |                                            | 9000                                                                                |
|                                                                                   | 60                                                                                | 33                                                                                | -             | 2a | -  | 12                                                                                | 172/60804                                                                          |                                                                                     |                                                                                     |                                            |                                                                                     |
| M 10                                                                              | 95                                                                                | 71                                                                                | -             | 2a | -  | 12                                                                                | 172/60824                                                                          |                                                                                     |                                                                                     |                                            |                                                                                     |
|                                                                                   | 145                                                                               | 118                                                                               | -             | 2a | -  | 12                                                                                | 172/62711                                                                          |                                                                                     |                                                                                     |                                            |                                                                                     |
| M 12                                                                              | 70                                                                                | 48                                                                                | -             | 2a | -  | 12                                                                                | 172/60834                                                                          |                                                                                     |                                                                                     |                                            | 10000                                                                               |
|                                                                                   | 95                                                                                | 69                                                                                | -             | 2a | -  | 12                                                                                | 172/54711                                                                          |                                                                                     |                                                                                     |                                            |                                                                                     |
|                                                                                   | 120                                                                               | 96                                                                                | -             | 2a | -  | 12                                                                                | 172/58391                                                                          |                                                                                     |                                                                                     |                                            |                                                                                     |
| M 14                                                                              | 85                                                                                | 56                                                                                | 1a            | -  | -  | 11                                                                                | 172/626472                                                                         |                                                                                     |                                                                                     |                                            | 9000                                                                                |
|                                                                                   | 95                                                                                | 68                                                                                | -             | 2a | -  | 13                                                                                | 172/626762                                                                         |                                                                                     |                                                                                     |                                            | 10000                                                                               |
| M 16                                                                              | 75                                                                                | 47                                                                                | -             | 2a | -  | 15                                                                                | 172/626772*                                                                        |                                                                                     |                                                                                     |                                            | 9000                                                                                |
|                                                                                   | 75                                                                                | 48                                                                                | -             | -  | 2b | 16                                                                                | 172/685881                                                                         |                                                                                     |                                                                                     |                                            | 10000                                                                               |
|                                                                                   | 90                                                                                | 61                                                                                | 1a            | -  | -  | 13                                                                                | 172/626482                                                                         |                                                                                     |                                                                                     |                                            | 9000                                                                                |
|                                                                                   | 95                                                                                | 67                                                                                | -             | 2a | -  | 15                                                                                | 172/626782                                                                         |                                                                                     |                                                                                     |                                            | 10000                                                                               |
|                                                                                   | 95                                                                                | 68                                                                                | -             | -  | 2b | 16                                                                                | 172/638492                                                                         |                                                                                     |                                                                                     |                                            | 9000                                                                                |
|                                                                                   | 115                                                                               | 89                                                                                | -             | -  | 2b | 16                                                                                | 172/685901                                                                         |                                                                                     |                                                                                     |                                            | 10000                                                                               |
|                                                                                   | 125                                                                               | 96                                                                                | 1a            | -  | -  | 13                                                                                | 172/626492                                                                         |                                                                                     |                                                                                     |                                            | 9000                                                                                |
|                                                                                   | 145                                                                               | 116                                                                               | 1a            | -  | -  | 13                                                                                | 172/626502                                                                         |                                                                                     |                                                                                     |                                            | 10000                                                                               |
|                                                                                   | 150                                                                               | 124                                                                               | -             | -  | 2b | 16                                                                                | 172/638502                                                                         |                                                                                     |                                                                                     |                                            | 9000                                                                                |
|                                                                                   | 155                                                                               | 130                                                                               | -             | -  | 2b | 16                                                                                | 172/685921                                                                         |                                                                                     |                                                                                     |                                            | 10000                                                                               |
| M 20                                                                              | 180                                                                               | 151                                                                               | 1a            | -  | -  | 13                                                                                | 172/626512                                                                         |                                                                                     |                                                                                     |                                            | 9000                                                                                |
|                                                                                   | 190                                                                               | 165                                                                               | -             | -  | 2b | 16                                                                                | 172/637862                                                                         |                                                                                     |                                                                                     |                                            | 10000                                                                               |
|                                                                                   | 195                                                                               | 167                                                                               | -             | 2a | -  | 15                                                                                | 172/626792                                                                         |                                                                                     |                                                                                     |                                            | 9000                                                                                |
|                                                                                   | 230                                                                               | 201                                                                               | -             | -  | 2b | 16                                                                                | 172/63492                                                                          |                                                                                     |                                                                                     |                                            | 10000                                                                               |
|                                                                                   | 130                                                                               | 100                                                                               | 1a            | -  | -  | 16                                                                                | 172/626522                                                                         |                                                                                     |                                                                                     |                                            | 9000                                                                                |
|                                                                                   | 180                                                                               | 150                                                                               | 1a            | -  | -  | 16                                                                                | 172/626532                                                                         |                                                                                     |                                                                                     |                                            | 10000                                                                               |
| M 24                                                                              | 245                                                                               | 214                                                                               | 1a            | -  | -  | 16                                                                                | 172/626542                                                                         |                                                                                     |                                                                                     |                                            | 9000                                                                                |
|                                                                                   | 115                                                                               | 81                                                                                | 1a            | -  | -  | 19                                                                                | 172/626552                                                                         |                                                                                     |                                                                                     |                                            | 10000                                                                               |
| M 24                                                                              | 180                                                                               | 146                                                                               | 1a            | -  | -  | 19                                                                                | 172/626562                                                                         |                                                                                     |                                                                                     |                                            | 10000                                                                               |

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces.
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

# Part. 323


**Spindle in stainless steel**

|      |     |     |    |    |   |    |             |       |
|------|-----|-----|----|----|---|----|-------------|-------|
| M 10 | 95  | 71  | -  | 2a | - | 12 | 323/65686N  | 9000  |
| M 12 | 95  | 69  | -  | 2a | - | 12 | 323/65596N  |       |
|      | 155 | 132 | -  | 2a | - | 12 | 323/679061N |       |
| M 14 | 95  | 68  | -  | 2a | - | 12 | 323/626842  | 10000 |
|      | 105 | 76  | 1a | -  | - | 11 | 323/626572  |       |
|      | 95  | 64  | 1a | -  | - | 13 | 323/626582  |       |
| M 16 | 100 | 72  | -  | 2a | - | 15 | 323/626852  | 9000  |
|      | 110 | 81  | 1a | -  | - | 13 | 323/626592  | 10000 |
|      | 155 | 124 | 1a | -  | - | 13 | 323/626602  |       |
|      | 160 | 132 | -  | 2a | - | 15 | 323/626862  |       |
|      | 180 | 151 | 1a | -  | - | 13 | 323/626612  | 10000 |
| M 20 | 115 | 84  | 1a | -  | - | 16 | 323/626622  |       |
|      | 180 | 149 | 1a | -  | - | 16 | 323/626632  |       |
| M 24 | 180 | 146 | 1a | -  | - | 19 | 323/626642  |       |

**Spindle in nickel plated brass**

|      |    |    |   |    |   |    |            |       |
|------|----|----|---|----|---|----|------------|-------|
| M 16 | 90 | 63 | - | 2b | - | 16 | 323/626652 | 10000 |
|------|----|----|---|----|---|----|------------|-------|

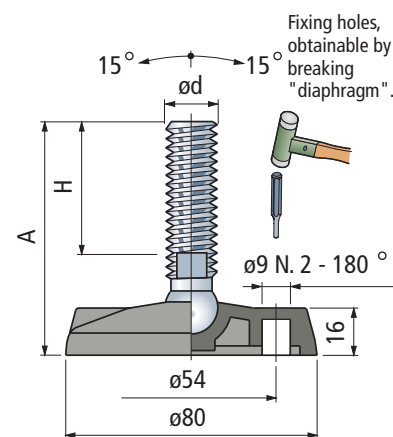
**Spindle in zinc plated steel**

|      |     |     |    |    |    |    |             |       |
|------|-----|-----|----|----|----|----|-------------|-------|
| M 8  | 65  | 40  | -  | 2a | -  | 12 | 323/678901N | 9000  |
| M 10 | 60  | 33  | -  | 2a | -  | 12 | 323/61384N  |       |
|      | 95  | 71  | -  | 2a | -  | 12 | 323/60464N  |       |
|      | 145 | 118 | -  | 2a | -  | 12 | 323/61404N  |       |
|      | 70  | 48  | -  | 2a | -  | 12 | 323/61414N  |       |
| M 12 | 95  | 69  | -  | 2a | -  | 12 | 323/62313N  | 10000 |
|      | 120 | 96  | -  | 2a | -  | 12 | 323/678941N |       |
|      | 85  | 56  | 1a | -  | -  | 11 | 323/626662  |       |
| M 14 | 95  | 68  | -  | 2a | -  | 13 | 323/626832  | 9000  |
|      | 75  | 47  | -  | 2a | -  | 15 | 323/638022* |       |
|      | 75  | 48  | -  | -  | 2b | 16 | 323/685981N | 10000 |
|      | 90  | 61  | 1a | -  | -  | 13 | 323/626672  |       |
|      | 95  | 67  | -  | 2a | -  | 15 | 323/638032  |       |
|      | 95  | 68  | -  | -  | 2b | 16 | 323/62353N  | 10000 |
|      | 115 | 89  | -  | -  | 2b | 16 | 323/686001N |       |
|      | 125 | 96  | 1a | -  | -  | 13 | 323/626682  |       |
|      | 145 | 116 | 1a | -  | -  | 13 | 323/626692  |       |
|      | 150 | 124 | -  | -  | 2b | 16 | 323/69935N  |       |
|      | 155 | 130 | -  | -  | 2b | 16 | 323/686021N |       |
|      | 180 | 151 | 1a | -  | -  | 13 | 323/626702  |       |
|      | 190 | 165 | -  | -  | 2b | 16 | 323/62383N  |       |
| M 16 | 195 | 167 | -  | 2a | -  | 15 | 323/638042  | 9000  |
|      | 230 | 201 | -  | -  | 2b | 16 | 323/679021N |       |
|      | 130 | 100 | 1a | -  | -  | 16 | 323/626712  |       |
| M 20 | 180 | 150 | 1a | -  | -  | 16 | 323/626722  | 10000 |
|      | 245 | 214 | 1a | -  | -  | 16 | 323/626732  |       |
| M 24 | 115 | 81  | 1a | -  | -  | 19 | 323/626742  |       |
|      | 180 | 146 | 1a | -  | -  | 19 | 323/626752  |       |

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces.
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

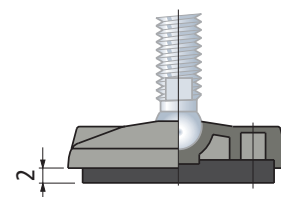


Same dimensions as Part. 172, it differs in its predisposition to fixing.



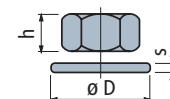
## Accessories

### Anti-slip



- Code : 630042.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

### Nut + Washer

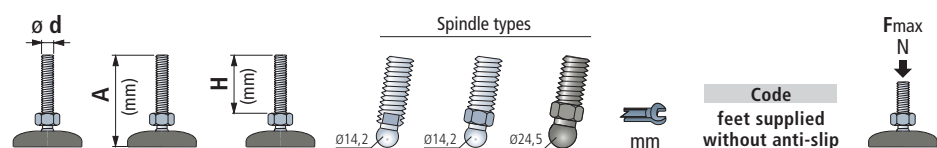
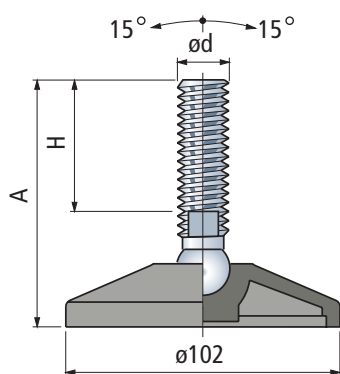


|     | Code                        |                      | h<br>mm | s<br>mm | øD<br>mm | s<br>mm |
|-----|-----------------------------|----------------------|---------|---------|----------|---------|
|     | Stainless steel<br>AISI 304 | Zinc plated<br>steel |         |         |          |         |
| M8  | -                           | 630102               | 6,5     | 13      | 17       | 1,6     |
| M10 | 630182                      | 630112               | 8       | 17      | 21       | 2       |
| M12 | 630192                      | 630122               | 10      | 19      | 24       | 2,5     |
| M14 | 630202                      | 630132               | 11      | 22      | 28       | 2,5     |
| M16 | 630212                      | 630142               | 13      | 24      | 30       | 3       |
| M20 | 630222                      | 630152               | 16      | 30      | 37       | 3       |
| M24 | 630232                      | 630162               | 19      | 36      | 44       | 4       |

Packaging : 24 pieces ( for M8, M10 ). 8 pieces ( for M12, M14, M16, M20, M24 ).



# Part. 132



| Spindle in stainless steel |     |     |    |   |   |    |            |
|----------------------------|-----|-----|----|---|---|----|------------|
| M 14                       | 110 | 76  | 1a | - | - | 11 | 132/633002 |
|                            | 100 | 64  | 1a | - | - | 13 | 132/633012 |
| M 16                       | 115 | 81  | 1a | - | - | 13 | 132/633022 |
|                            | 160 | 124 | 1a | - | - | 13 | 132/633032 |
|                            | 185 | 151 | 1a | - | - | 13 | 132/633042 |
| M 20                       | 120 | 84  | 1a | - | - | 16 | 132/633052 |
|                            | 185 | 149 | 1a | - | - | 16 | 132/633062 |
| M 24                       | 185 | 146 | 1a | - | - | 19 | 132/633072 |

| Spindle in nickel plated brass |    |    |   |    |   |    |            |
|--------------------------------|----|----|---|----|---|----|------------|
| M 16                           | 95 | 63 | - | 2b | - | 16 | 132/633082 |

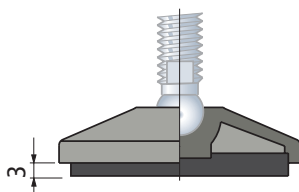
| Spindle in zinc plated steel |     |     |    |    |   |    |            |
|------------------------------|-----|-----|----|----|---|----|------------|
| M 14                         | 90  | 56  | 1a | -  | - | 11 | 132/633092 |
|                              | 80  | 48  | -  | 2b | - | 16 | 132/686141 |
|                              | 95  | 61  | 1a | -  | - | 13 | 132/633102 |
|                              | 100 | 68  | -  | 2b | - | 16 | 132/675081 |
|                              | 125 | 89  | -  | 2b | - | 16 | 132/686181 |
| M 16                         | 130 | 96  | 1a | -  | - | 13 | 132/633112 |
|                              | 150 | 116 | 1a | -  | - | 13 | 132/633122 |
|                              | 160 | 124 | -  | 2b | - | 16 | 132/675101 |
|                              | 165 | 130 | -  | 2b | - | 16 | 132/686201 |
|                              | 185 | 151 | 1a | -  | - | 13 | 132/633132 |
|                              | 200 | 165 | -  | 2b | - | 16 | 132/675121 |
|                              | 235 | 201 | -  | 2b | - | 16 | 132/675141 |
| M 20                         | 130 | 100 | 1a | -  | - | 16 | 132/633142 |
|                              | 180 | 150 | 1a | -  | - | 16 | 132/633152 |
|                              | 250 | 214 | 1a | -  | - | 16 | 132/633162 |
| M 24                         | 120 | 81  | 1a | -  | - | 19 | 132/633172 |
|                              | 185 | 146 | 1a | -  | - | 19 | 132/633182 |

| Spindle in reinforced polyamid (black) with steel pin |     |     |   |   |   |    |             |
|-------------------------------------------------------|-----|-----|---|---|---|----|-------------|
| M 16                                                  | 100 | 54  | - | - | 3 | 24 | 132/627082  |
| M 20                                                  | 120 | 69  | - | - | 3 | 30 | 132/627092* |
|                                                       | 185 | 129 | - | - | 3 | 30 | 132/627102  |

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces.
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

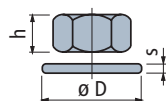
## Accessories

### Anti-slip



- Code : 630052.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

### Nut + Washer

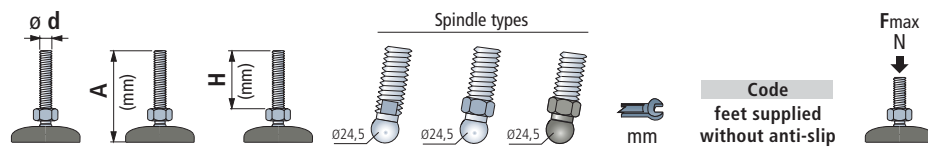


| Code                        |                      | h<br>mm | s<br>mm | ØD<br>mm | s<br>mm |
|-----------------------------|----------------------|---------|---------|----------|---------|
| Stainless steel<br>AISI 304 | Zinc plated<br>steel |         |         |          |         |
| M14                         | 630202               | 630132  | 11      | 22       | 28      |
| M16                         | 630212               | 630142  | 13      | 24       | 30      |
| M20                         | 630222               | 630152  | 16      | 30       | 37      |
| M24                         | 630232               | 630162  | 19      | 36       | 44      |

Packaging : 8 pieces.

## Part. 132R

Reinforced version



### Spindle in stainless steel

|      |     |     |    |    |   |    |            |       |
|------|-----|-----|----|----|---|----|------------|-------|
| M 16 | 115 | 74  | -  | 6b | - | 24 | 132/627002 | 13000 |
|      | 150 | 109 | -  | 6b | - | 24 | 132/627012 |       |
|      | 185 | 144 | -  | 6b | - | 24 | 132/627022 |       |
|      | 200 | 159 | -  | 6b | - | 24 | 132/627032 |       |
| M 20 | 120 | 74  | 1b | -  | - | 16 | 132/627042 |       |
|      | 185 | 139 | 1b | -  | - | 16 | 132/627052 |       |
|      | 250 | 204 | 1b | -  | - | 16 | 132/686081 |       |
| M 24 | 120 | 79  | -  | 6b | - | 24 | 132/627062 |       |
|      | 220 | 179 | -  | 6b | - | 24 | 132/627072 |       |
|      | 255 | 216 | 1b | -  | - | 19 | 132/61834  |       |

### Spindle in stainless steel with ball in reinforced polyamide (black)

|      |     |     |   |   |   |    |             |       |
|------|-----|-----|---|---|---|----|-------------|-------|
| M 12 | 100 | 53  | - | - | 6 | 19 | 132/674621  | 13000 |
|      | 150 | 103 | - | - | 6 | 19 | 132/674641  |       |
|      | 195 | 149 | - | - | 6 | 19 | 132/674661  |       |
| M 14 | 150 | 103 | - | - | 6 | 19 | 132/674701* |       |
|      | 195 | 149 | - | - | 6 | 19 | 132/674721* |       |
| M 16 | 100 | 53  | - | - | 6 | 24 | 132/674741  |       |
|      | 115 | 67  | - | - | 6 | 24 | 132/638152  |       |
|      | 120 | 75  | - | - | 6 | 24 | 132/674761* |       |
|      | 150 | 103 | - | - | 6 | 24 | 132/674781  |       |
|      | 185 | 139 | - | - | 6 | 24 | 132/672891  |       |
|      | 225 | 181 | - | - | 6 | 24 | 132/69857   |       |
| M 20 | 195 | 149 | - | - | 6 | 24 | 132/674931* |       |

### Spindle in zinc plated steel

|      |     |     |    |    |   |    |             |       |
|------|-----|-----|----|----|---|----|-------------|-------|
| M 16 | 95  | 54  | -  | 6b | - | 24 | 132/627112  | 13000 |
|      | 130 | 89  | -  | 6b | - | 24 | 132/627122  |       |
|      | 160 | 119 | -  | 6b | - | 24 | 132/627132  |       |
|      | 195 | 154 | -  | 6b | - | 24 | 132/627142  |       |
| M 20 | 120 | 74  | 1b | -  | - | 16 | 132/627152  |       |
|      | 155 | 106 | 1b | -  | - | 16 | 132/627162  |       |
|      | 185 | 139 | 1b | -  | - | 16 | 132/627172  |       |
|      | 250 | 204 | 1b | -  | - | 16 | 132/627182  |       |
| M 24 | 120 | 79  | -  | 6b | - | 24 | 132/627192* |       |
|      | 185 | 144 | -  | 6b | - | 24 | 132/627202  |       |
|      | 325 | 288 | 1b | -  | - | 19 | 132/65243*  |       |

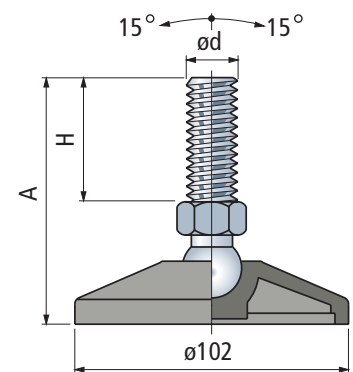
### Spindle in zinc plated steel with ball in reinforced polyamide (black)

|      |     |    |   |   |   |    |            |       |
|------|-----|----|---|---|---|----|------------|-------|
| M 12 | 110 | 64 | - | - | 6 | 19 | 132/674521 | 13000 |
|------|-----|----|---|---|---|----|------------|-------|

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces (\* = 12 pieces).
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

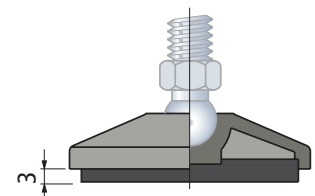


Same dimensions as Part. 132, it differs in its higher load capacity.



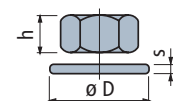
### Accessories

#### Anti-slip



- Code : 630052.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

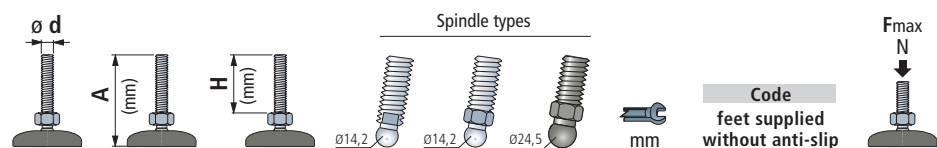
#### Nut + Washer



| Code                        |                      | h<br>mm | <br>mm | øD<br>mm | s<br>mm |     |
|-----------------------------|----------------------|---------|---------------------------------------------------------------------------------------------|----------|---------|-----|
| Stainless steel<br>AISI 304 | Zinc plated<br>steel |         |                                                                                             |          |         |     |
| M12                         | 630192               | 630122  | 10                                                                                          | 19       | 24      | 2,5 |
| M14                         | 630202               | 630132  | 11                                                                                          | 22       | 28      | 2,5 |
| M16                         | 630212               | 630142  | 13                                                                                          | 24       | 30      | 3   |
| M20                         | 630222               | 630152  | 16                                                                                          | 30       | 37      | 3   |
| M24                         | 630232               | 630162  | 19                                                                                          | 36       | 44      | 4   |

Packaging : 8 pieces.

# Part. 133



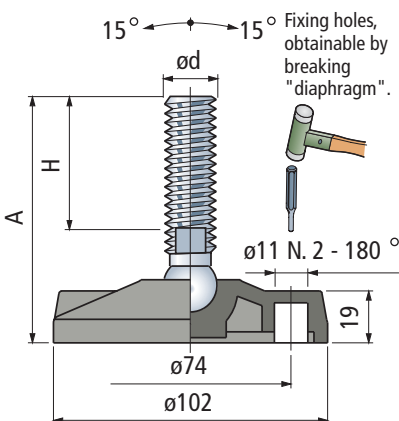
| Spindle in stainless steel |     |     |    |   |   |    | Code<br>feet supplied<br>without anti-slip | Fmax<br>N |
|----------------------------|-----|-----|----|---|---|----|--------------------------------------------|-----------|
| M 14                       | 110 | 76  | 1a | - | - | 11 |                                            |           |
|                            | 100 | 64  | 1a | - | - | 13 | 133/633202                                 | 12000     |
| M 16                       | 115 | 81  | 1a | - | - | 13 | 133/633212                                 |           |
|                            | 160 | 124 | 1a | - | - | 13 | 133/633222                                 |           |
|                            | 185 | 151 | 1a | - | - | 13 | 133/633232                                 |           |
| M 20                       | 120 | 84  | 1a | - | - | 16 | 133/633242                                 | 12000     |
|                            | 185 | 149 | 1a | - | - | 16 | 133/633252                                 |           |
| M 24                       | 185 | 146 | 1a | - | - | 19 | 133/633262                                 |           |

| Spindle in nickel plated brass |    |    |   |    |   |    | Code<br>feet supplied<br>without anti-slip | Fmax<br>N |
|--------------------------------|----|----|---|----|---|----|--------------------------------------------|-----------|
| M 16                           | 95 | 63 | - | 2b | - | 16 |                                            |           |

| Spindle in zinc plated steel |     |     |    |    |   |    | Code<br>feet supplied<br>without anti-slip | Fmax<br>N |
|------------------------------|-----|-----|----|----|---|----|--------------------------------------------|-----------|
| M 14                         | 90  | 56  | 1a | -  | - | 11 |                                            |           |
|                              | 80  | 48  | -  | 2b | - | 16 | 133/686381N                                | 12000     |
|                              | 95  | 61  | 1a | -  | - | 13 | 133/633292                                 |           |
|                              | 100 | 68  | -  | 2b | - | 16 | 133/679711N                                |           |
|                              | 125 | 89  | -  | 2b | - | 16 | 133/686421N                                |           |
| M 16                         | 130 | 96  | 1a | -  | - | 13 | 133/633302                                 |           |
|                              | 150 | 116 | 1a | -  | - | 13 | 133/633312                                 |           |
|                              | 160 | 124 | -  | 2b | - | 16 | 133/679731N                                |           |
|                              | 165 | 130 | -  | 2b | - | 16 | 133/686441N                                |           |
|                              | 185 | 151 | 1a | -  | - | 13 | 133/633322                                 |           |
|                              | 200 | 165 | -  | 2b | - | 16 | 133/679751N                                |           |
|                              | 235 | 201 | -  | 2b | - | 16 | 133/679771N                                |           |
| M 20                         | 130 | 100 | 1a | -  | - | 16 | 133/633332                                 |           |
|                              | 180 | 150 | 1a | -  | - | 16 | 133/633342                                 |           |
|                              | 250 | 214 | 1a | -  | - | 16 | 133/633352                                 |           |
| M 24                         | 120 | 81  | 1a | -  | - | 19 | 133/633362                                 |           |
|                              | 185 | 146 | 1a | -  | - | 19 | 133/633372                                 |           |

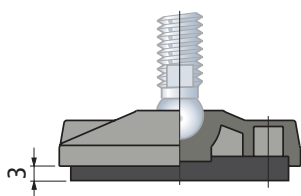
| Spindle in reinforced polyamid (black) with steel pin |     |     |   |   |   |    | Code<br>feet supplied<br>without anti-slip | Fmax<br>N |
|-------------------------------------------------------|-----|-----|---|---|---|----|--------------------------------------------|-----------|
| M 16                                                  | 100 | 54  | - | - | 3 | 24 |                                            |           |
| M 20                                                  | 120 | 69  | - | - | 3 | 30 | 133/627302*                                | 6000      |
|                                                       | 185 | 129 | - | - | 3 | 30 | 133/627312                                 |           |

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces.
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.



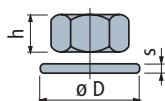
## Accessories

### Anti-slip



- Code : 630052.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

### Nut + Washer

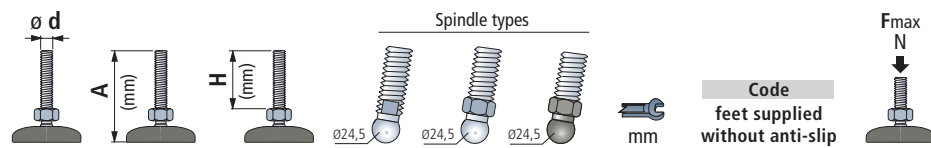


| Code                        |                      | h<br>mm | s<br>mm | Ø D<br>mm | mm | mm  |
|-----------------------------|----------------------|---------|---------|-----------|----|-----|
| Stainless steel<br>AISI 304 | Zinc plated<br>steel |         |         |           |    |     |
| M14                         | 630202               | 630132  | 11      | 22        | 28 | 2,5 |
| M16                         | 630212               | 630142  | 13      | 24        | 30 | 3   |
| M20                         | 630222               | 630152  | 16      | 30        | 37 | 3   |
| M24                         | 630232               | 630162  | 19      | 36        | 44 | 4   |

Packaging : 8 pieces.

## Part. 133R

Reinforced version



| Spindle in stainless steel |     |     |    |    |   |    | Code<br>feet supplied<br>without anti-slip | Fmax<br>N |
|----------------------------|-----|-----|----|----|---|----|--------------------------------------------|-----------|
|                            |     |     |    |    |   |    |                                            |           |
| M 16                       | 115 | 74  | -  | 6b | - | 24 | 133/627212                                 | 13000     |
|                            | 150 | 109 | -  | 6b | - | 24 | 133/627222                                 |           |
|                            | 185 | 144 | -  | 6b | - | 24 | 133/627232                                 |           |
|                            | 200 | 159 | -  | 6b | - | 24 | 133/627242                                 |           |
| M 20                       | 120 | 74  | 1b | -  | - | 16 | 133/627252                                 |           |
|                            | 185 | 139 | 1b | -  | - | 16 | 133/627262                                 |           |
|                            | 250 | 204 | 1b | -  | - | 16 | 133/686321N                                |           |
| M 24                       | 120 | 79  | -  | 6b | - | 24 | 133/627272                                 |           |
|                            | 220 | 179 | -  | 6b | - | 24 | 133/627282                                 |           |
|                            | 255 | 216 | 1b | -  | - | 19 | 133/61994N                                 |           |

| Spindle in stainless steel with ball in reinforced polyamide (black) |     |     |   |   |   |    | Code<br>feet supplied<br>without anti-slip | Fmax<br>N |
|----------------------------------------------------------------------|-----|-----|---|---|---|----|--------------------------------------------|-----------|
|                                                                      |     |     |   |   |   |    |                                            |           |
| M 12                                                                 | 100 | 53  | - | - | 6 | 19 | 133/679231N                                | 13000     |
|                                                                      | 150 | 103 | - | - | 6 | 19 | 133/679251N                                |           |
|                                                                      | 195 | 149 | - | - | 6 | 19 | 133/679271N                                |           |
| M 14                                                                 | 150 | 103 | - | - | 6 | 19 | 133/679311N*                               |           |
|                                                                      | 195 | 149 | - | - | 6 | 19 | 133/679331N*                               |           |
| M 16                                                                 | 100 | 53  | - | - | 6 | 24 | 133/679351N                                |           |
|                                                                      | 115 | 67  | - | - | 6 | 24 | 133/638142                                 |           |
|                                                                      | 120 | 75  | - | - | 6 | 24 | 133/679371N*                               |           |
|                                                                      | 150 | 103 | - | - | 6 | 24 | 133/679391N                                |           |
|                                                                      | 185 | 139 | - | - | 6 | 24 | 133/69706N                                 |           |
|                                                                      | 225 | 181 | - | - | 6 | 24 | 133/679461N                                |           |
| M 20                                                                 | 195 | 149 | - | - | 6 | 24 | 133/679551N*                               |           |

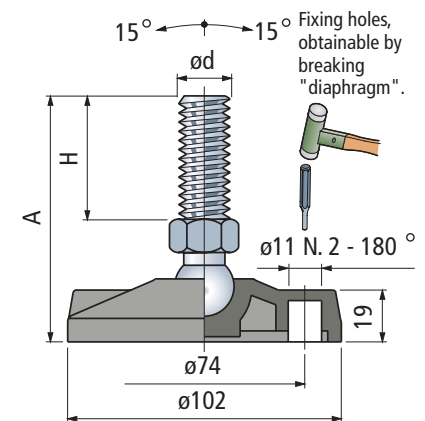
| Spindle in zinc plated steel |     |     |    |    |   |    | Code<br>feet supplied<br>without anti-slip | Fmax<br>N |
|------------------------------|-----|-----|----|----|---|----|--------------------------------------------|-----------|
|                              |     |     |    |    |   |    |                                            |           |
| M 16                         | 95  | 54  | -  | 6b | - | 24 | 133/627322                                 | 13000     |
|                              | 130 | 89  | -  | 6b | - | 24 | 133/627332                                 |           |
|                              | 160 | 119 | -  | 6b | - | 24 | 133/627342                                 |           |
|                              | 195 | 154 | -  | 6b | - | 24 | 133/627352                                 |           |
| M 20                         | 120 | 74  | 1b | -  | - | 16 | 133/627362                                 |           |
|                              | 155 | 106 | 1b | -  | - | 16 | 133/627372                                 |           |
|                              | 185 | 139 | 1b | -  | - | 16 | 133/627382                                 |           |
|                              | 250 | 204 | 1b | -  | - | 16 | 133/627392                                 |           |
| M 24                         | 120 | 79  | -  | 6b | - | 24 | 133/627402*                                |           |
|                              | 185 | 144 | -  | 6b | - | 24 | 133/627412                                 |           |
|                              | 325 | 288 | 1b | -  | - | 19 | 133/679211N*                               |           |

| Spindle in zinc plated steel with ball in reinforced polyamide (black) |     |    |   |   |   |    | Code<br>feet supplied<br>without anti-slip | Fmax<br>N |
|------------------------------------------------------------------------|-----|----|---|---|---|----|--------------------------------------------|-----------|
|                                                                        |     |    |   |   |   |    |                                            |           |
| M 12                                                                   | 110 | 64 | - | - | 6 | 19 | 133/679121N                                | 13000     |

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces (\* = 12 pieces).
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

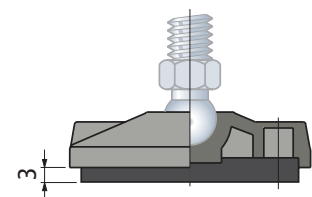


Same dimensions as Part. 133, it differs in its higher load capacity.



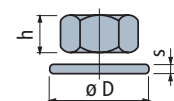
### Accessories

#### Anti-slip



- Code : 630052.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

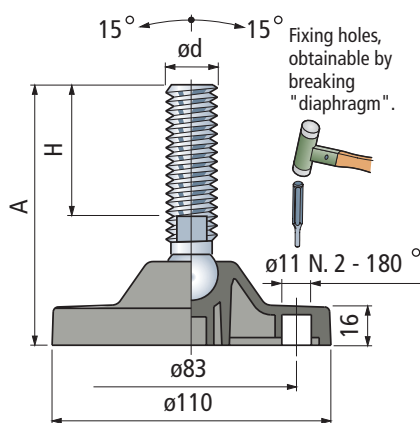
#### Nut + Washer



| Code                        |                      |  | h<br>mm | øD<br>mm | s<br>mm |     |
|-----------------------------|----------------------|---------------------------------------------------------------------------------------|---------|----------|---------|-----|
| Stainless steel<br>AISI 304 | Zinc plated<br>steel |                                                                                       |         |          |         |     |
| M12                         | 630192               | 630122                                                                                | 10      | 19       | 24      | 2,5 |
| M14                         | 630202               | 630132                                                                                | 11      | 22       | 28      | 2,5 |
| M16                         | 630212               | 630142                                                                                | 13      | 24       | 30      | 3   |
| M20                         | 630222               | 630152                                                                                | 16      | 30       | 37      | 3   |
| M24                         | 630232               | 630162                                                                                | 19      | 36       | 44      | 4   |

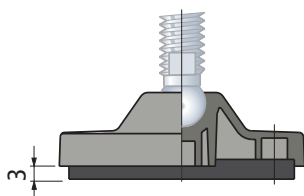
Packaging : 8 pieces.

# Part.479



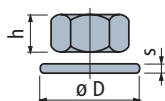
## Accessories

Anti-slip



- Code : **630062**.
- Material : PVC rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 16 pieces.

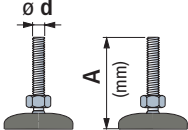
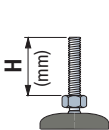
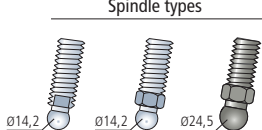
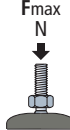
## Nut + Washer



Code

|     | Stainless steel<br>AISI 304 | Zinc plated<br>steel | h<br>mm | mm | ØD<br>mm | s<br>mm |
|-----|-----------------------------|----------------------|---------|----|----------|---------|
| M14 | 630202                      | 630132               | 11      | 22 | 28       | 2,5     |
| M16 | 630212                      | 630142               | 13      | 24 | 30       | 3       |
| M20 | 630222                      | 630152               | 16      | 30 | 37       | 3       |
| M24 | 630232                      | 630162               | 19      | 36 | 44       | 4       |

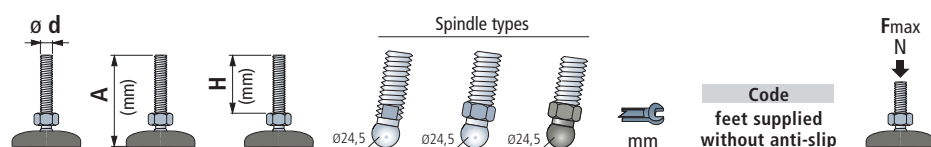
Packaging : 8 pieces.

|  |      |     |  |    |    |  |             |       |  |  |
|-----------------------------------------------------------------------------------|------|-----|-----------------------------------------------------------------------------------|----|----|------------------------------------------------------------------------------------|-------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| A (mm)                                                                            |      |     | H (mm)                                                                            |    |    | Spindle types                                                                      |             |       | mm                                                                                  | Code<br>feet supplied<br>without anti-slip                                          |
| Spindle in stainless steel                                                        |      |     |                                                                                   |    |    |                                                                                    |             |       |                                                                                     |                                                                                     |
| M 14                                                                              | 120  | 76  | 1a                                                                                | -  | -  | 11                                                                                 | 479/633382  | 15000 |                                                                                     |                                                                                     |
|                                                                                   | 110  | 64  | 1a                                                                                | -  | -  | 13                                                                                 | 479/633392  |       |                                                                                     |                                                                                     |
| M 16                                                                              | 125  | 81  | 1a                                                                                | -  | -  | 13                                                                                 | 479/633402  |       |                                                                                     |                                                                                     |
|                                                                                   | 170  | 124 | 1a                                                                                | -  | -  | 13                                                                                 | 479/633412  |       |                                                                                     |                                                                                     |
|                                                                                   | 195  | 151 | 1a                                                                                | -  | -  | 13                                                                                 | 479/633422  |       |                                                                                     |                                                                                     |
| M 20                                                                              | 130  | 84  | 1a                                                                                | -  | -  | 16                                                                                 | 479/633432  |       |                                                                                     |                                                                                     |
|                                                                                   | 195  | 149 | 1a                                                                                | -  | -  | 16                                                                                 | 479/633442  |       |                                                                                     |                                                                                     |
| M 24                                                                              | 195  | 146 | 1a                                                                                | -  | -  | 19                                                                                 | 479/633452  |       |                                                                                     |                                                                                     |
| Spindle in nickel plated brass                                                    |      |     |                                                                                   |    |    |                                                                                    |             |       |                                                                                     |                                                                                     |
| M 16                                                                              | 105  | 63  | -                                                                                 | 2b | -  | 16                                                                                 | 479/633462  | 15000 |                                                                                     |                                                                                     |
| Spindle in zinc plated steel                                                      |      |     |                                                                                   |    |    |                                                                                    |             |       |                                                                                     |                                                                                     |
| M 14                                                                              | 100  | 56  | 1a                                                                                | -  | -  | 11                                                                                 | 479/633472  | 15000 |                                                                                     |                                                                                     |
|                                                                                   | 90   | 48  | -                                                                                 | 2b | -  | 16                                                                                 | 479/686621N |       |                                                                                     |                                                                                     |
|                                                                                   | 105  | 61  | 1a                                                                                | -  | -  | 13                                                                                 | 479/633482  |       |                                                                                     |                                                                                     |
|                                                                                   | 110  | 68  | -                                                                                 | 2b | -  | 16                                                                                 | 479/675811N |       |                                                                                     |                                                                                     |
|                                                                                   | 135  | 89  | -                                                                                 | 2b | -  | 16                                                                                 | 479/686661N |       |                                                                                     |                                                                                     |
|                                                                                   | 140  | 96  | 1a                                                                                | -  | -  | 13                                                                                 | 479/633492  |       |                                                                                     |                                                                                     |
|                                                                                   | M 16 | 160 | 116                                                                               | 1a | -  | -                                                                                  | 13          |       | 479/633502                                                                          |                                                                                     |
|                                                                                   |      | 170 | 124                                                                               | -  | 2b | -                                                                                  | 16          |       | 479/675831N                                                                         |                                                                                     |
|                                                                                   |      | 175 | 130                                                                               | -  | 2b | -                                                                                  | 16          |       | 479/686681N                                                                         |                                                                                     |
|                                                                                   |      | 195 | 151                                                                               | 1a | -  | -                                                                                  | 13          |       | 479/633512                                                                          |                                                                                     |
|                                                                                   |      | 210 | 165                                                                               | -  | 2b | -                                                                                  | 16          |       | 479/675851N                                                                         |                                                                                     |
|                                                                                   |      | 245 | 201                                                                               | -  | 2b | -                                                                                  | 16          |       | 479/675871N                                                                         |                                                                                     |
| M 20                                                                              | 140  | 100 | 1a                                                                                | -  | -  | 16                                                                                 | 479/633522  |       |                                                                                     |                                                                                     |
|                                                                                   | 190  | 150 | 1a                                                                                | -  | -  | 16                                                                                 | 479/633532  |       |                                                                                     |                                                                                     |
|                                                                                   | 260  | 214 | 1a                                                                                | -  | -  | 16                                                                                 | 479/633542  |       |                                                                                     |                                                                                     |
| M 24                                                                              | 130  | 81  | 1a                                                                                | -  | -  | 19                                                                                 | 479/633552  |       |                                                                                     |                                                                                     |
|                                                                                   | 195  | 146 | 1a                                                                                | -  | -  | 19                                                                                 | 479/633562  |       |                                                                                     |                                                                                     |
| Spindle in reinforced polyamid (black) with steel pin                             |      |     |                                                                                   |    |    |                                                                                    |             |       |                                                                                     |                                                                                     |
| M 16                                                                              | 110  | 54  | -                                                                                 | -  | 3  | 24                                                                                 | 479/627502  | 6000  |                                                                                     |                                                                                     |
| M 20                                                                              | 130  | 69  | -                                                                                 | -  | 3  | 30                                                                                 | 479/627512* |       |                                                                                     |                                                                                     |
|                                                                                   | 190  | 129 | -                                                                                 | -  | 3  | 30                                                                                 | 479/627522  |       |                                                                                     |                                                                                     |

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 16 pieces.
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

## Part. 479R

Reinforced version



| Spindle in stainless steel |     |     |    |    |   |    | Code<br>feet supplied<br>without anti-slip | Fmax<br>N |
|----------------------------|-----|-----|----|----|---|----|--------------------------------------------|-----------|
|                            |     |     |    |    |   |    |                                            |           |
| M 16                       | 125 | 74  | -  | 6b | - | 24 | 479/627422                                 | 20000     |
|                            | 160 | 109 | -  | 6b | - | 24 | 479/627432                                 |           |
|                            | 195 | 144 | -  | 6b | - | 24 | 479/627442                                 |           |
|                            | 210 | 159 | -  | 6b | - | 24 | 479/627452                                 |           |
| M 20                       | 130 | 74  | 1b | -  | - | 16 | 479/627462                                 |           |
|                            | 195 | 139 | 1b | -  | - | 16 | 479/627472                                 |           |
|                            | 260 | 204 | 1b | -  | - | 16 | 479/686561N                                |           |
| M 24                       | 130 | 79  | -  | 6b | - | 24 | 479/627482                                 |           |
|                            | 230 | 179 | -  | 6b | - | 24 | 479/627492                                 |           |
|                            | 270 | 216 | 1b | -  | - | 19 | 479/636861N                                |           |

| Spindle in stainless steel with ball in reinforced polyamide (black) |     |     |   |   |   |    | Code         | Fmax<br>N |
|----------------------------------------------------------------------|-----|-----|---|---|---|----|--------------|-----------|
|                                                                      |     |     |   |   |   |    |              |           |
| M 12                                                                 | 110 | 53  | - | - | 6 | 19 | 479/636181N  | 20000     |
|                                                                      | 160 | 103 | - | - | 6 | 19 | 479/636201N  |           |
|                                                                      | 205 | 149 | - | - | 6 | 19 | 479/636221N  |           |
| M 14                                                                 | 160 | 103 | - | - | 6 | 19 | 479/636261N* |           |
|                                                                      | 205 | 149 | - | - | 6 | 19 | 479/636271N* |           |
| M 16                                                                 | 110 | 53  | - | - | 6 | 24 | 479/636331N  |           |
|                                                                      | 125 | 67  | - | - | 6 | 24 | 479/636371N  |           |
|                                                                      | 130 | 75  | - | - | 6 | 24 | 479/636391N* |           |
|                                                                      | 160 | 103 | - | - | 6 | 24 | 479/636431N  |           |
|                                                                      | 195 | 139 | - | - | 6 | 24 | 479/636471N  |           |
|                                                                      | 240 | 181 | - | - | 6 | 24 | 479/675591N  |           |
| M 20                                                                 | 205 | 149 | - | - | 6 | 24 | 479/636741N* |           |

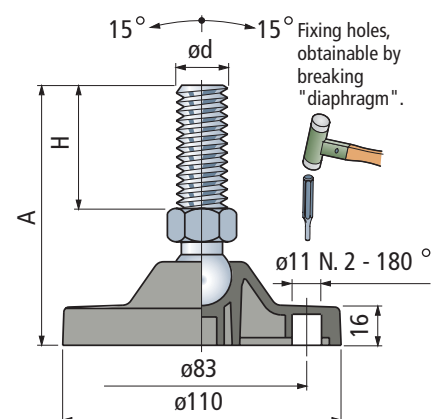
| Spindle in zinc plated steel |     |     |    |    |   |    | Code        | Fmax<br>N |
|------------------------------|-----|-----|----|----|---|----|-------------|-----------|
|                              |     |     |    |    |   |    |             |           |
| M 16                         | 105 | 54  | -  | 6b | - | 24 | 479/627532  | 20000     |
|                              | 140 | 89  | -  | 6b | - | 24 | 479/627542  |           |
|                              | 170 | 119 | -  | 6b | - | 24 | 479/627552  |           |
|                              | 205 | 154 | -  | 6b | - | 24 | 479/627562  |           |
| M 20                         | 130 | 74  | 1b | -  | - | 16 | 479/627572  |           |
|                              | 165 | 106 | 1b | -  | - | 16 | 479/627582  |           |
|                              | 195 | 139 | 1b | -  | - | 16 | 479/627592  |           |
|                              | 260 | 204 | 1b | -  | - | 16 | 479/627602  |           |
| M 24                         | 130 | 79  | -  | 6b | - | 24 | 479/627612* |           |
|                              | 195 | 144 | -  | 6b | - | 24 | 479/627622  |           |
|                              | 340 | 288 | 1b | -  | - | 19 | 479/675501N |           |

| Spindle in zinc plated steel with ball in reinforced polyamide (black) |     |    |   |   |   |    | Code        | Fmax<br>N |
|------------------------------------------------------------------------|-----|----|---|---|---|----|-------------|-----------|
|                                                                        |     |    |   |   |   |    |             |           |
| M 12                                                                   | 120 | 64 | - | - | 6 | 19 | 479/675341N | 20000     |

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 16 pieces.
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

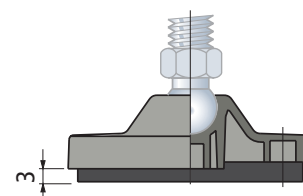


Same dimensions as Part. 479, it differs in its higher load capacity.



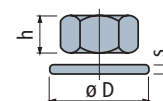
### Accessories

#### Anti-slip



- Code : 630062.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 16 pieces.

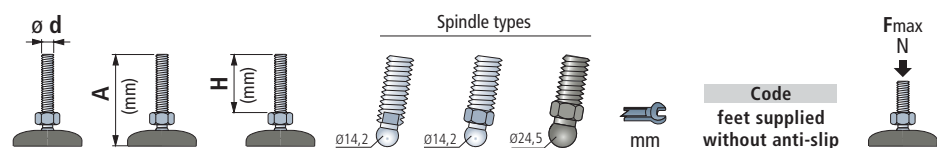
#### Nut + Washer



|     | Code                        |                      | h<br>mm | s<br>mm | Ø D<br>mm | s<br>mm |
|-----|-----------------------------|----------------------|---------|---------|-----------|---------|
|     | Stainless steel<br>AISI 304 | Zinc plated<br>steel |         |         |           |         |
| M12 | 630192                      | 630122               | 10      | 19      | 24        | 2,5     |
| M14 | 630202                      | 630132               | 11      | 22      | 28        | 2,5     |
| M16 | 630212                      | 630142               | 13      | 24      | 30        | 3       |
| M20 | 630222                      | 630152               | 16      | 30      | 37        | 3       |
| M24 | 630232                      | 630162               | 19      | 36      | 44        | 4       |



# Part. 292



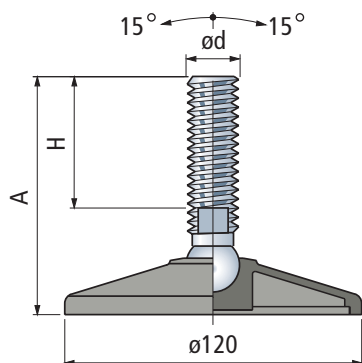
| Spindle in stainless steel |     |     |    |   |   |    |            |
|----------------------------|-----|-----|----|---|---|----|------------|
| M 14                       | 110 | 76  | 1a | - | - | 11 | 292/633572 |
|                            | 100 | 64  | 1a | - | - | 13 | 292/633582 |
| M 16                       | 115 | 81  | 1a | - | - | 13 | 292/633592 |
|                            | 160 | 124 | 1a | - | - | 13 | 292/633602 |
|                            | 185 | 151 | 1a | - | - | 13 | 292/633612 |
| M 20                       | 120 | 84  | 1a | - | - | 16 | 292/633622 |
|                            | 185 | 149 | 1a | - | - | 16 | 292/633632 |
| M 24                       | 185 | 146 | 1a | - | - | 19 | 292/633642 |

| Spindle in nickel plated brass |    |    |   |    |   |    |            |
|--------------------------------|----|----|---|----|---|----|------------|
| M 16                           | 95 | 63 | - | 2b | - | 16 | 292/633652 |

| Spindle in zinc plated steel |     |     |    |    |   |    |            |
|------------------------------|-----|-----|----|----|---|----|------------|
| M 14                         | 90  | 56  | 1a | -  | - | 11 | 292/633662 |
|                              | 80  | 48  | -  | 2b | - | 16 | 292/686861 |
|                              | 95  | 61  | 1a | -  | - | 13 | 292/633672 |
|                              | 100 | 68  | -  | 2b | - | 16 | 292/676701 |
|                              | 125 | 89  | -  | 2b | - | 16 | 292/686901 |
| M 16                         | 130 | 96  | 1a | -  | - | 13 | 292/633682 |
|                              | 150 | 116 | 1a | -  | - | 13 | 292/633692 |
|                              | 160 | 124 | -  | 2b | - | 16 | 292/676721 |
|                              | 165 | 130 | -  | 2b | - | 16 | 292/686921 |
|                              | 185 | 151 | 1a | -  | - | 13 | 292/633702 |
|                              | 200 | 165 | -  | 2b | - | 16 | 292/676741 |
|                              | 235 | 201 | -  | 2b | - | 16 | 292/676761 |
| M 20                         | 130 | 100 | 1a | -  | - | 16 | 292/633712 |
|                              | 180 | 150 | 1a | -  | - | 16 | 292/633722 |
|                              | 250 | 214 | 1a | -  | - | 16 | 292/633732 |
| M 24                         | 120 | 81  | 1a | -  | - | 19 | 292/633742 |
|                              | 185 | 146 | 1a | -  | - | 19 | 292/633752 |

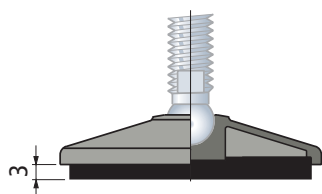
| Spindle in reinforced polyamid (black) with steel pin |     |     |   |   |   |    |             |
|-------------------------------------------------------|-----|-----|---|---|---|----|-------------|
| M 16                                                  | 100 | 54  | - | - | 3 | 24 | 292/627712  |
|                                                       | 120 | 69  | - | - | 3 | 30 | 292/627722* |
| M 20                                                  | 185 | 129 | - | - | 3 | 30 | 292/627732  |

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamid PA FV (black).
- Packaging : 24 pieces.
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.



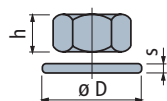
## Accessories

### Anti-slip



- Code : 630072.
- Material : PVC rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

### Nut + Washer

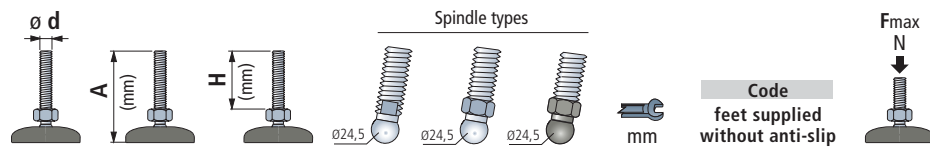


| Code                        |                      | h<br>mm | s<br>mm | øD<br>mm | s<br>mm |
|-----------------------------|----------------------|---------|---------|----------|---------|
| Stainless steel<br>AISI 304 | Zinc plated<br>steel |         |         |          |         |
| M14                         | 630202               | 630132  | 11      | 22       | 28      |
| M16                         | 630212               | 630142  | 13      | 24       | 30      |
| M20                         | 630222               | 630152  | 16      | 30       | 37      |
| M24                         | 630232               | 630162  | 19      | 36       | 44      |

Packaging : 8 pieces.

## Part. 292R

Reinforced version



### Spindle in stainless steel

| M 16 | 115 | 74  | -  | 6b | - | 24 | 292/627632 |
|------|-----|-----|----|----|---|----|------------|
|      | 150 | 109 | -  | 6b | - | 24 | 292/627642 |
|      | 185 | 144 | -  | 6b | - | 24 | 292/627652 |
|      | 200 | 159 | -  | 6b | - | 24 | 292/627662 |
| M 20 | 120 | 74  | 1b | -  | - | 16 | 292/627672 |
|      | 185 | 139 | 1b | -  | - | 16 | 292/627682 |
|      | 250 | 204 | 1b | -  | - | 16 | 292/686801 |
|      | 120 | 79  | -  | 6b | - | 24 | 292/627692 |
| M 24 | 220 | 179 | -  | 6b | - | 24 | 292/627702 |
|      | 260 | 216 | 1b | -  | - | 19 | 292/627794 |

16000

### Spindle in stainless steel with ball in reinforced polyamide (black)

| M 12 | 100 | 53  | - | - | 6 | 19 | 292/676211  |
|------|-----|-----|---|---|---|----|-------------|
|      | 150 | 103 | - | - | 6 | 19 | 292/676231  |
|      | 195 | 149 | - | - | 6 | 19 | 292/676251  |
| M 14 | 150 | 103 | - | - | 6 | 19 | 292/676291* |
|      | 195 | 149 | - | - | 6 | 19 | 292/676311* |
| M 16 | 100 | 53  | - | - | 6 | 24 | 292/676331  |
|      | 115 | 67  | - | - | 6 | 24 | 292/62654   |
|      | 120 | 75  | - | - | 6 | 24 | 292/676351* |
|      | 150 | 103 | - | - | 6 | 24 | 292/676371  |
|      | 185 | 139 | - | - | 6 | 24 | 292/676391  |
|      | 230 | 181 | - | - | 6 | 24 | 292/676451  |
| M 20 | 195 | 149 | - | - | 6 | 24 | 292/676541* |

16000

### Spindle in zinc plated steel

| M 16 | 95  | 54  | -  | 6b | - | 24 | 292/627742  |
|------|-----|-----|----|----|---|----|-------------|
|      | 130 | 89  | -  | 6b | - | 24 | 292/627752  |
|      | 160 | 119 | -  | 6b | - | 24 | 292/627762  |
|      | 195 | 154 | -  | 6b | - | 24 | 292/627772  |
| M 20 | 120 | 74  | 1b | -  | - | 16 | 292/627782  |
|      | 155 | 106 | 1b | -  | - | 16 | 292/627792  |
|      | 185 | 139 | 1b | -  | - | 16 | 292/627802  |
|      | 250 | 204 | 1b | -  | - | 16 | 292/627812  |
| M 24 | 120 | 79  | -  | 6b | - | 24 | 292/627822* |
|      | 185 | 144 | -  | 6b | - | 24 | 292/627832  |
|      | 330 | 288 | 1b | -  | - | 19 | 292/676191* |

16000

### Spindle in zinc plated steel with ball in reinforced polyamide (black)

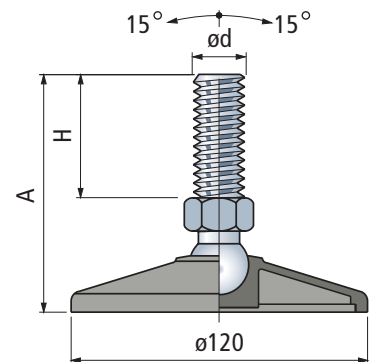
| M 12 | 110 | 64 | - | - | 6 | 19 | 292/65013 |
|------|-----|----|---|---|---|----|-----------|

16000

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces (\* = 12 pieces).
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

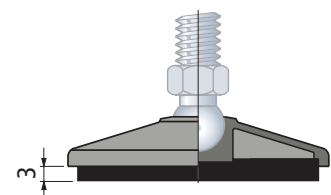


Same dimensions as Part. 292, it differs in its higher load capacity.



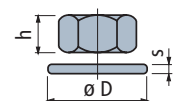
### Accessories

#### Anti-slip



- Code : 630072.
- Material : PVC rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

#### Nut + Washer



|     | Code            |                   |    |    |    |     |    |
|-----|-----------------|-------------------|----|----|----|-----|----|
|     | Stainless steel | Zinc plated steel | h  | mm | ØD | s   | mm |
| M12 | 630192          | 630122            | 10 | 19 | 24 | 2,5 |    |
| M14 | 630202          | 630132            | 11 | 22 | 28 | 2,5 |    |
| M16 | 630212          | 630142            | 13 | 24 | 30 | 3   |    |
| M20 | 630222          | 630152            | 16 | 30 | 37 | 3   |    |
| M24 | 630232          | 630162            | 19 | 36 | 44 | 4   |    |

Packaging : 8 pieces.

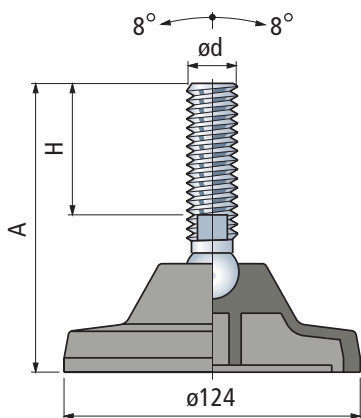
ø124

# Articulated Feet

in reinforced polyamide and polypropylene

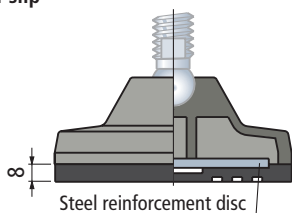
marbett®

## Part. 170



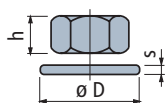
### Accessories

#### Anti-slip



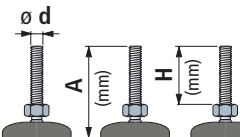
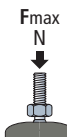
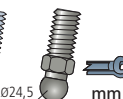
- Code with reinforcement disc : **630082**.
- Code without reinforcement disc : **630092**.
- Assembly : with screws for plate supplied loose.
- Material : NBR rubber (black), 80 Shore.
- Packaging : 8 pieces.

#### Nut + Washer



|     | Code                        |                      | h<br>mm | s<br>mm | øD<br>mm | s<br>mm |
|-----|-----------------------------|----------------------|---------|---------|----------|---------|
|     | Stainless steel<br>AISI 304 | Zinc plated<br>steel |         |         |          |         |
| M14 | 630202                      | 630132               | 11      | 22      | 28       | 2,5     |
| M16 | 630212                      | 630142               | 13      | 24      | 30       | 3       |
| M20 | 630222                      | 630152               | 16      | 30      | 37       | 3       |
| M24 | 630232                      | 630162               | 19      | 36      | 44       | 4       |

Packaging : 8 pieces

|  |     |     | Spindle types                                                                     |                                                                                   |                                                                                    | Footplate in polyamide PA FV | Footplate in polypropylene PP FV |  |
|-----------------------------------------------------------------------------------|-----|-----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------|----------------------------------|-------------------------------------------------------------------------------------|
|                                                                                   |     |     |  |  |  | Code                         | Code                             |                                                                                     |
|                                                                                   |     |     | ø14,2                                                                             | ø14,2                                                                             | ø24,5                                                                              | mm                           | feet supplied without anti-slip  |                                                                                     |
| Spindle in stainless steel                                                        |     |     |                                                                                   |                                                                                   |                                                                                    |                              |                                  |                                                                                     |
| M 14                                                                              | 135 | 76  | 1a                                                                                | -                                                                                 | -                                                                                  | 11                           | 170/633762                       | 170/633772                                                                          |
|                                                                                   | 120 | 64  | 1a                                                                                | -                                                                                 | -                                                                                  | 13                           | 170/633782                       | 170/633792                                                                          |
| M 16                                                                              | 140 | 81  | 1a                                                                                | -                                                                                 | -                                                                                  | 13                           | 170/633802                       | 170/633812                                                                          |
|                                                                                   | 180 | 124 | 1a                                                                                | -                                                                                 | -                                                                                  | 13                           | 170/633822                       | 170/633832                                                                          |
| M 20                                                                              | 210 | 151 | 1a                                                                                | -                                                                                 | -                                                                                  | 13                           | 170/633842                       | 170/633852                                                                          |
|                                                                                   | 145 | 84  | 1a                                                                                | -                                                                                 | -                                                                                  | 16                           | 170/633862                       | 170/633872                                                                          |
| M 24                                                                              | 210 | 149 | 1a                                                                                | -                                                                                 | -                                                                                  | 16                           | 170/633882                       | 170/633892                                                                          |
|                                                                                   | 210 | 146 | 1a                                                                                | -                                                                                 | -                                                                                  | 19                           | 170/633902                       | 170/633912                                                                          |

#### Spindle in nickel plated brass

|      |     |    |   |    |   |    |            |            |  |
|------|-----|----|---|----|---|----|------------|------------|--|
| M 16 | 120 | 63 | - | 2b | - | 16 | 170/633922 | 170/633932 |  |
|------|-----|----|---|----|---|----|------------|------------|--|

#### Spindle in zinc plated steel

|      |     |     |    |    |   |    |              |              |                                     |
|------|-----|-----|----|----|---|----|--------------|--------------|-------------------------------------|
| M 14 | 115 | 56  | 1a | -  | - | 11 | 170/633942   | 170/633952   | 10000<br>(PA FV)<br>5000<br>(PP FV) |
|      | 100 | 48  | -  | 2b | - | 16 | 170/L6871810 | 170/L6872010 |                                     |
|      | 120 | 61  | 1a | -  | - | 13 | 170/633962   | 170/633972   |                                     |
|      | 120 | 68  | -  | 2b | - | 16 | 170/L6918900 | 170/L6917900 |                                     |
|      | 145 | 89  | -  | 2b | - | 16 | 170/L6872610 | 170/L6872810 |                                     |
| M 16 | 155 | 96  | 1a | -  | - | 13 | 170/633982   | 170/633992   |                                     |
|      | 175 | 116 | 1a | -  | - | 13 | 170/634002   | 170/634012   |                                     |
|      | 180 | 124 | -  | 2b | - | 16 | 170/L6782510 | 170/L6782710 |                                     |
|      | 185 | 130 | -  | 2b | - | 16 | 170/L6873010 | 170/L6873210 |                                     |
|      | 210 | 151 | 1a | -  | - | 13 | 170/634022   | 170/634032   |                                     |
| M 20 | 220 | 165 | -  | 2b | - | 16 | 170/L6922900 | 170/L6921900 |                                     |
|      | 255 | 201 | -  | 2b | - | 16 | 170/L6782910 | 170/L6783110 |                                     |
|      | 155 | 100 | 1a | -  | - | 16 | 170/634042   | 170/634052   |                                     |
|      | 205 | 150 | 1a | -  | - | 16 | 170/634062   | 170/634072   |                                     |
|      | 275 | 214 | 1a | -  | - | 16 | 170/634082   | 170/634092   |                                     |
| M 24 | 145 | 81  | 1a | -  | - | 19 | 170/634102   | 170/634112   |                                     |
|      | 210 | 146 | 1a | -  | - | 19 | 170/634122   | 170/634132   |                                     |

#### Spindle in reinforced polyamid (black) with steel pin

|      |     |     |   |   |   |    |             |             |      |
|------|-----|-----|---|---|---|----|-------------|-------------|------|
| M 16 | 120 | 54  | - | - | 3 | 24 | 170/627922  | 170/628262  | 6000 |
| M 20 | 140 | 69  | - | - | 3 | 30 | 170/627932* | 170/628272* |      |
|      | 205 | 129 | - | - | 3 | 30 | 170/627942  | 170/628282  |      |

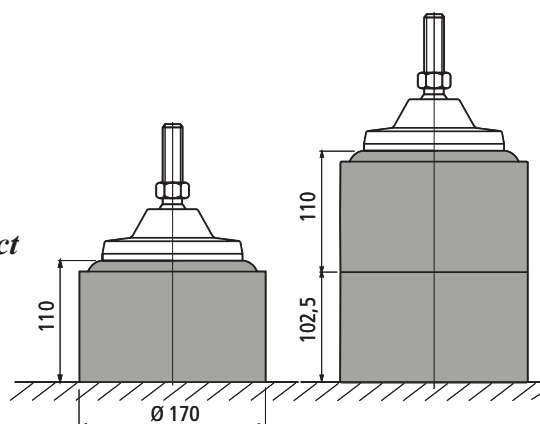
- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black) and reinforced polypropylene PP FV (black).
- Packaging : 8 pieces.
- Anti-slip supplied separately (on request supplied fixed to the foot).
- On request different length.
- Fmax. = maximum applicable load in static conditions.

### Part. 726 - Spacer



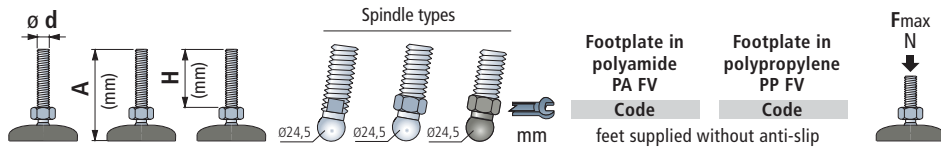
New  
Product

- Code : **726/688772**.
- Material : reinforced polyamide PA FV (black).
- Weight : 1,15 Kg;
- Packaging : 8 pieces.



## Part. 170R

Reinforced version



| Spindle in stainless steel |     |     |    |    |   |    | Footplate in polyamide PA FV Code | Footplate in polypropylene PP FV Code |               |
|----------------------------|-----|-----|----|----|---|----|-----------------------------------|---------------------------------------|---------------|
| M 16                       | 135 | 74  | -  | 6b | - | 24 | 170/627842                        | 170/628292                            | 25000 (PA FV) |
|                            | 170 | 109 | -  | 6b | - | 24 | 170/627852                        | 170/628302                            |               |
|                            | 205 | 144 | -  | 6b | - | 24 | 170/627862                        | 170/628312                            |               |
|                            | 220 | 159 | -  | 6b | - | 24 | 170/627872                        | 170/628322                            |               |
| M 20                       | 140 | 74  | 1b | -  | - | 16 | 170/627882                        | 170/628332                            | 10000 (PP FV) |
|                            | 205 | 139 | 1b | -  | - | 16 | 170/627892                        | 170/628342                            |               |
|                            | 270 | 204 | 1b | -  | - | 16 | 170/687061                        | 170/687081                            |               |
| M 24                       | 140 | 79  | -  | 6b | - | 24 | 170/627902                        | 170/628352                            |               |
|                            | 240 | 179 | -  | 6b | - | 24 | 170/627912                        | 170/628362                            |               |
|                            | 280 | 216 | 1b | -  | - | 19 | 170/52101                         | 170/62474                             |               |

| Spindle in stainless steel with ball in reinforced polyamide (black) |     |     |   |   |   |    |               |               |               |
|----------------------------------------------------------------------|-----|-----|---|---|---|----|---------------|---------------|---------------|
| M 12                                                                 | 120 | 53  | - | - | 6 | 19 | 170/L6772710  | 170/L6772910  | 17000 (PA FV) |
|                                                                      | 170 | 103 | - | - | 6 | 19 | 170/L6773110  | 170/L6773310  |               |
|                                                                      | 215 | 149 | - | - | 6 | 19 | 170/L6773510  | 170/L6773710  |               |
| M 14                                                                 | 170 | 103 | - | - | 6 | 19 | 170/L6774310* | 170/L6774510* | 10000 (PP FV) |
|                                                                      | 215 | 149 | - | - | 6 | 19 | 170/L6774710* | 170/L6774910* |               |
| M 16                                                                 | 120 | 53  | - | - | 6 | 24 | 170/L6775110  | 170/L6775310  | 10000 (PP FV) |
|                                                                      | 135 | 67  | - | - | 6 | 24 | 170/L6210400  | 170/L6231400  |               |
|                                                                      | 145 | 75  | - | - | 6 | 24 | 170/L6775510* | 170/L6775710* |               |
|                                                                      | 170 | 103 | - | - | 6 | 24 | 170/L6775910  | 170/L6776110  |               |
|                                                                      | 205 | 139 | - | - | 6 | 24 | 170/L6776310  | 170/L6776510  |               |
| M 20                                                                 | 250 | 181 | - | - | 6 | 24 | 170/L6777510  | 170/L6777710  |               |
|                                                                      | 215 | 149 | - | - | 6 | 24 | 170/L6779410* | 170/L6779610* |               |

| Spindle in zinc plated steel with ball in reinforced polyamide (black) |     |    |   |   |   |    |              |              |  |
|------------------------------------------------------------------------|-----|----|---|---|---|----|--------------|--------------|--|
| M 12                                                                   | 130 | 64 | - | - | 6 | 19 | 170/L6770010 | 170/L6770210 |  |

| Spindle in zinc plated steel |     |     |    |    |   |    |             |             |               |
|------------------------------|-----|-----|----|----|---|----|-------------|-------------|---------------|
| M 16                         | 115 | 54  | -  | 6b | - | 24 | 170/627952  | 170/628372  | 25000 (PA FV) |
|                              | 150 | 89  | -  | 6b | - | 24 | 170/627962  | 170/628382  |               |
|                              | 180 | 119 | -  | 6b | - | 24 | 170/627972  | 170/628392  |               |
|                              | 215 | 154 | -  | 6b | - | 24 | 170/627982  | 170/628402  |               |
| M 20                         | 140 | 74  | 1b | -  | - | 16 | 170/627992  | 170/628412  | 10000 (PP FV) |
|                              | 175 | 106 | 1b | -  | - | 16 | 170/628002  | 170/628422  |               |
|                              | 205 | 139 | 1b | -  | - | 16 | 170/628012  | 170/628432  |               |
|                              | 270 | 204 | 1b | -  | - | 16 | 170/628022  | 170/628442  |               |
| M 24                         | 140 | 79  | -  | 6b | - | 24 | 170/628032* | 170/628452* |               |
|                              | 205 | 144 | -  | 6b | - | 24 | 170/628042  | 170/628462  |               |
|                              | 350 | 288 | 1b | -  | - | 19 | 170/68821   | 170/677251  |               |

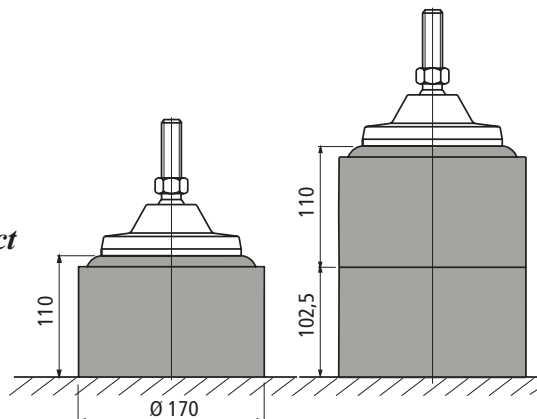
- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black) and reinforced polypropylene PP FV (black).
- Packaging : 8 pieces.
- Anti-slip supplied separately (on request supplied fixed to the foot).
- On request different length.
- Fmax. = maximum applicable load in static conditions.

### Part. 726 - Spacer

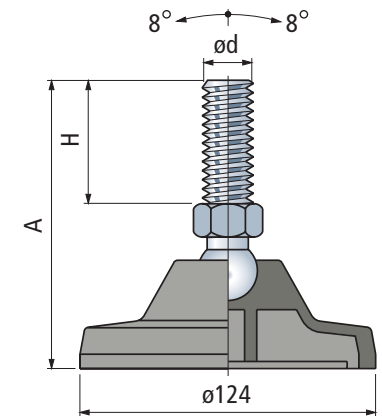


New Product

- Code : 726/688772.
- Material : reinforced polyamide PA FV (black).
- Weight : 1,15 Kg.
- Packaging : 8 pieces.

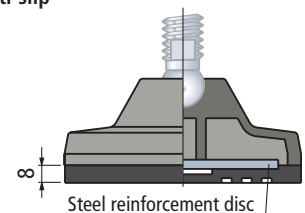


Same dimensions as Part. 170, it differs in its higher load capacity.



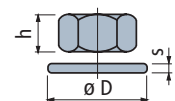
### Accessories

#### Anti-slip



- Code with reinforcement disc : 630082.
- Code without reinforcement disc : 630092.
- Assembly : with screws for plate supplied loose.
- Material : NBR rubber (black), 80 Shore.
- Packaging : 8 pieces

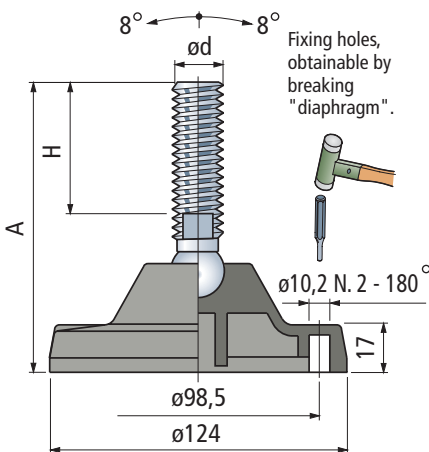
#### Nut + Washer



|     | Code                     |                   |      |      |       |      |
|-----|--------------------------|-------------------|------|------|-------|------|
|     | Stainless steel AISI 304 | Zinc plated steel | h mm | s mm | ØD mm | s mm |
| M12 | 630192                   | 630122            | 10   | 19   | 24    | 2,5  |
| M14 | 630202                   | 630132            | 11   | 22   | 28    | 2,5  |
| M16 | 630212                   | 630142            | 13   | 24   | 30    | 3    |
| M20 | 630222                   | 630152            | 16   | 30   | 37    | 3    |
| M24 | 630232                   | 630162            | 19   | 36   | 44    | 4    |

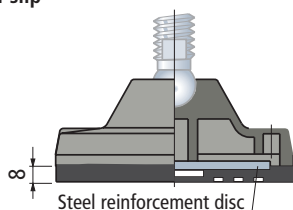
Packaging : 8 pieces

# Part. 171



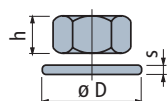
## Accessories

### Anti-slip



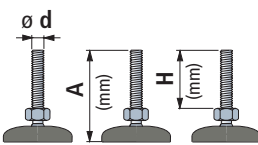
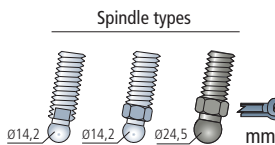
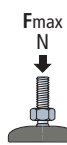
- Code with reinforcement disc : **630082**.
- Code without reinforcement disc : **630092**.
- Assembly : with screws for plate supplied loose.
- Material : NBR rubber (black), 80 Shore.
- Packaging : 8 pieces.

### Nut + Washer



|     | Code                        |                      |         |          |         |     |
|-----|-----------------------------|----------------------|---------|----------|---------|-----|
|     | Stainless steel<br>AISI 304 | Zinc plated<br>steel | h<br>mm | øD<br>mm | s<br>mm |     |
| M14 | 630202                      | 630132               | 11      | 22       | 28      | 2,5 |
| M16 | 630212                      | 630142               | 13      | 24       | 30      | 3   |
| M20 | 630222                      | 630152               | 16      | 30       | 37      | 3   |
| M24 | 630232                      | 630162               | 19      | 36       | 44      | 4   |

Packaging : 8 pieces.

|  |     |     |  |   |   | Footplate in<br>polyamide<br>PA FV | Footplate in<br>polypropylene<br>PP FV |  |
|-----------------------------------------------------------------------------------|-----|-----|------------------------------------------------------------------------------------|---|---|------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                   |     |     |                                                                                    |   |   | Code                               | Code                                   |                                                                                     |
|                                                                                   |     |     |                                                                                    |   |   | feet supplied without anti-slip    |                                        |                                                                                     |
| Spindle in stainless steel                                                        |     |     |                                                                                    |   |   |                                    |                                        |                                                                                     |
| M 14                                                                              | 135 | 76  | 1a                                                                                 | - | - | 11                                 | 171/634142                             | 171/634152                                                                          |
|                                                                                   | 120 | 64  | 1a                                                                                 | - | - | 13                                 | 171/634162                             | 171/634172                                                                          |
|                                                                                   | 140 | 81  | 1a                                                                                 | - | - | 13                                 | 171/634182                             | 171/634192                                                                          |
| M 16                                                                              | 180 | 124 | 1a                                                                                 | - | - | 13                                 | 171/634202                             | 171/634212                                                                          |
|                                                                                   | 210 | 151 | 1a                                                                                 | - | - | 13                                 | 171/634222                             | 171/634232                                                                          |
|                                                                                   | 145 | 84  | 1a                                                                                 | - | - | 16                                 | 171/634242                             | 171/634252                                                                          |
| M 20                                                                              | 210 | 149 | 1a                                                                                 | - | - | 16                                 | 171/634262                             | 171/634272                                                                          |
|                                                                                   | 210 | 146 | 1a                                                                                 | - | - | 19                                 | 171/634282                             | 171/634292                                                                          |

10000  
(PA FV)

5000  
(PP FV)

|                                     |     |     |    |    |   |                                     |
|-------------------------------------|-----|-----|----|----|---|-------------------------------------|
| <b>Spindle in zinc plated steel</b> |     |     |    |    |   |                                     |
| M 14                                | 115 | 56  | 1a | -  | - | 10000<br>(PA FV)<br>5000<br>(PP FV) |
|                                     | 100 | 48  | -  | 2b | - |                                     |
|                                     | 120 | 61  | 1a | -  | - |                                     |
|                                     | 120 | 68  | -  | 2b | - |                                     |
|                                     | 145 | 89  | -  | 2b | - |                                     |
| M 16                                | 155 | 96  | 1a | -  | - |                                     |
|                                     | 175 | 116 | 1a | -  | - |                                     |
|                                     | 180 | 124 | -  | 2b | - |                                     |
|                                     | 185 | 130 | -  | 2b | - |                                     |
|                                     | 210 | 151 | 1a | -  | - |                                     |
| M 20                                | 220 | 165 | -  | 2b | - |                                     |
|                                     | 255 | 201 | -  | 2b | - |                                     |
|                                     | 155 | 100 | 1a | -  | - |                                     |
|                                     | 205 | 150 | 1a | -  | - |                                     |
|                                     | 275 | 214 | 1a | -  | - |                                     |
| M 24                                | 145 | 81  | 1a | -  | - |                                     |
|                                     | 210 | 146 | 1a | -  | - |                                     |

|                                                              |     |     |   |   |      |      |
|--------------------------------------------------------------|-----|-----|---|---|------|------|
| <b>Spindle in reinforced polyamid (black) with steel pin</b> |     |     |   |   |      |      |
| M 16                                                         | 120 | 54  | - | - | 3 24 | 6000 |
| M 20                                                         | 140 | 69  | - | - | 3 30 |      |
|                                                              | 205 | 129 | - | - | 3 30 |      |

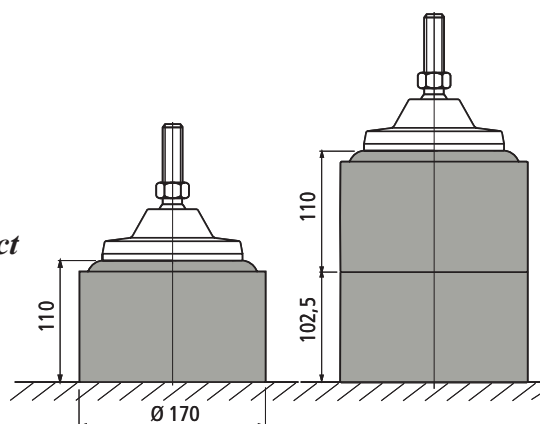
- = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black) and reinforced polypropylene PP FV (black).
- Packaging : 8 pieces.
- Anti-slip supplied separately (on request supplied fixed to the foot).
- On request different length.
- Fmax. = maximum applicable load in static conditions.

## Part. 726 - Spacer



### New Product

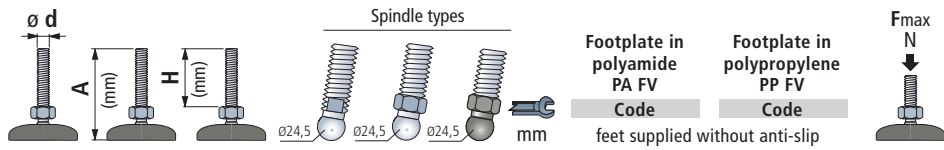
- Code : **726/688772**.
- Material : reinforced polyamide PA FV (black).
- Weight : 1,15 Kg;
- Packaging : 8 pieces.





## Part. 171R

Reinforced version



| Spindle in stainless steel |     |     |    |    |   |    |             |             |                  |
|----------------------------|-----|-----|----|----|---|----|-------------|-------------|------------------|
| M 16                       | 135 | 74  | -  | 6b | - | 24 | 171/628052  | 171/628502  | 25000<br>(PA FV) |
|                            | 170 | 109 | -  | 6b | - | 24 | 171/628062  | 171/628512  |                  |
|                            | 205 | 144 | -  | 6b | - | 24 | 171/628072  | 171/628522  |                  |
|                            | 220 | 159 | -  | 6b | - | 24 | 171/628082  | 171/628532  |                  |
| M 20                       | 140 | 74  | 1b | -  | - | 16 | 171/628092  | 171/628542  | 10000<br>(PP FV) |
|                            | 205 | 139 | 1b | -  | - | 16 | 171/628102  | 171/628552  |                  |
|                            | 270 | 204 | 1b | -  | - | 16 | 171/687531N | 171/687551N |                  |
| M 24                       | 140 | 79  | -  | 6b | - | 24 | 171/628112  | 171/628562  |                  |
|                            | 240 | 179 | -  | 6b | - | 24 | 171/628122  | 171/628572  |                  |
|                            | 280 | 216 | 1b | -  | - | 19 | 171/682281N | 171/682301N |                  |

| Spindle in stainless steel with ball in reinforced polyamide (black) |     |     |   |   |   |    |               |               |                  |
|----------------------------------------------------------------------|-----|-----|---|---|---|----|---------------|---------------|------------------|
| M 12                                                                 | 120 | 53  | - | - | 6 | 19 | 171/L681271N  | 171/L681291N  | 17000<br>(PA FV) |
|                                                                      | 170 | 103 | - | - | 6 | 19 | 171/L681311N  | 171/L681331N  |                  |
|                                                                      | 215 | 149 | - | - | 6 | 19 | 171/L681351N  | 171/L681371N  |                  |
| M 14                                                                 | 170 | 103 | - | - | 6 | 19 | 171/L681431N* | 171/L681451N* | 10000<br>(PP FV) |
|                                                                      | 215 | 149 | - | - | 6 | 19 | 171/L681471N* | 171/L681491N* |                  |
| M 16                                                                 | 120 | 53  | - | - | 6 | 24 | 171/L681551N  | 171/L681571N  | 17000<br>(PA FV) |
|                                                                      | 135 | 67  | - | - | 6 | 24 | 171/L681591N  | 171/L681611N  |                  |
|                                                                      | 145 | 75  | - | - | 6 | 24 | 171/L600111N* | 171/L600071N* |                  |
|                                                                      | 170 | 103 | - | - | 6 | 24 | 171/L681631N  | 171/L681651N  |                  |
|                                                                      | 205 | 139 | - | - | 6 | 24 | 171/L600131N  | 171/L600091N  |                  |
|                                                                      | 250 | 181 | - | - | 6 | 24 | 171/L681831N  | 171/L681851N  |                  |
| M 20                                                                 | 215 | 149 | - | - | 6 | 24 | 171/L681991N* | 171/L682021N* |                  |

| Spindle in zinc plated steel with ball in reinforced polyamide (black) |     |    |   |   |   |    |              |              |  |
|------------------------------------------------------------------------|-----|----|---|---|---|----|--------------|--------------|--|
| M 12                                                                   | 130 | 64 | - | - | 6 | 19 | 171/L680671N | 171/L680691N |  |

| Spindle in zinc plated steel |     |     |    |    |   |    |             |             |                  |
|------------------------------|-----|-----|----|----|---|----|-------------|-------------|------------------|
| M 16                         | 115 | 54  | -  | 6b | - | 24 | 171/628162  | 171/628582  | 25000<br>(PA FV) |
|                              | 150 | 89  | -  | 6b | - | 24 | 171/628172  | 171/628592  |                  |
|                              | 180 | 119 | -  | 6b | - | 24 | 171/628182  | 171/628602  |                  |
|                              | 215 | 154 | -  | 6b | - | 24 | 171/628192  | 171/628612  |                  |
| M 20                         | 140 | 74  | 1b | -  | - | 16 | 171/628202  | 171/628622  | 10000<br>(PP FV) |
|                              | 175 | 106 | 1b | -  | - | 16 | 171/628212  | 171/628632  |                  |
|                              | 205 | 139 | 1b | -  | - | 16 | 171/628222  | 171/628642  |                  |
|                              | 270 | 204 | 1b | -  | - | 16 | 171/628232  | 171/628652  |                  |
| M 24                         | 140 | 79  | -  | 6b | - | 24 | 171/628242* | 171/628662* |                  |
|                              | 205 | 144 | -  | 6b | - | 24 | 171/628252  | 171/628672  |                  |
|                              | 350 | 288 | 1b | -  | - | 19 | 171/681231N | 171/681251N |                  |

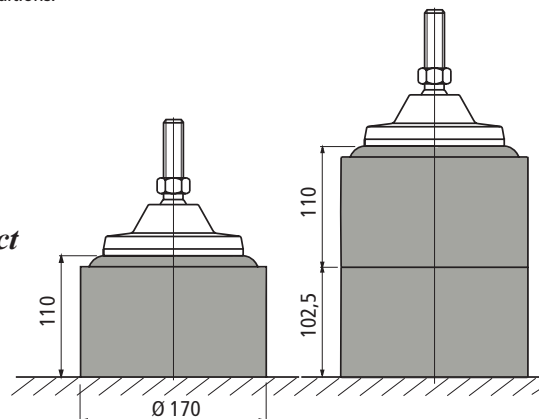
- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black) and reinforced polypropylene PP FV (black).
- Packaging : 8 pieces.
- Anti-slip supplied separately (on request supplied fixed to the foot).
- On request different length.
- Fmax. = maximum applicable load in static conditions.

### Part. 726 - Spacer

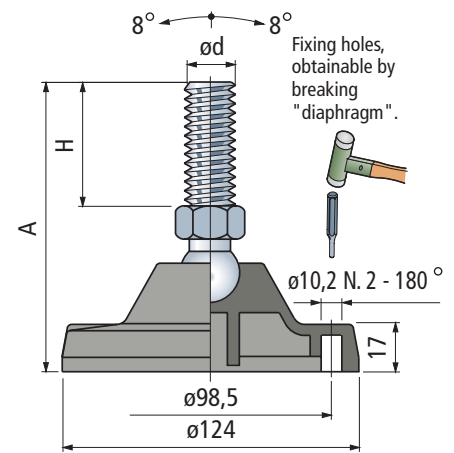


New Product

- Code : 726/688772.
- Material : reinforced polyamide PA FV (black).
- Weight : 1,15 Kg.
- Packaging : 8 pieces.

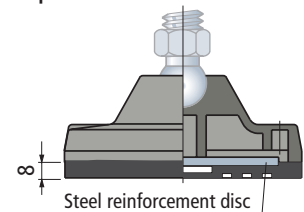


Same dimensions as Part. 171, it differs in its higher load capacity.



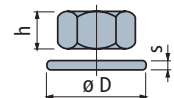
### Accessories

#### Anti-slip



- Code with reinforcement disc : 630082.
- Code without reinforcement disc : 630092.
- Assembly : with screws for plate supplied loose.
- Material : NBR rubber (black), 80 Shore.
- Packaging : 8 pieces.

#### Nut + Washer

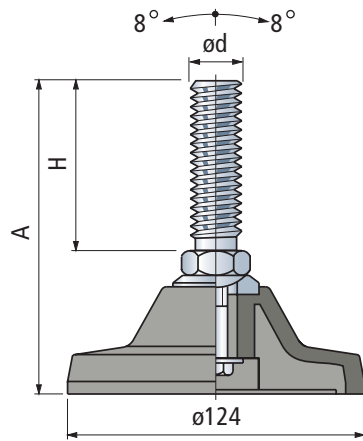


| Code                        |                      |  | h<br>mm | øD<br>mm | s<br>mm |     |
|-----------------------------|----------------------|---------------------------------------------------------------------------------------|---------|----------|---------|-----|
| Stainless steel<br>AISI 304 | Zinc plated<br>steel |                                                                                       |         |          |         |     |
| M12                         | 630192               | 630122                                                                                | 10      | 19       | 24      | 2,5 |
| M14                         | 630202               | 630132                                                                                | 11      | 22       | 28      | 2,5 |
| M16                         | 630212               | 630142                                                                                | 13      | 24       | 30      | 3   |
| M20                         | 630222               | 630152                                                                                | 16      | 30       | 37      | 3   |
| M24                         | 630232               | 630162                                                                                | 19      | 36       | 44      | 4   |

Packaging : 8 pieces.



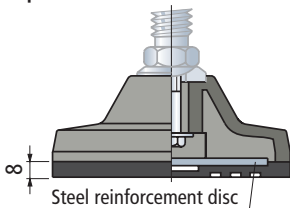
# Part. 254



- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 8 pieces.
- Anti-slip supplied separately (on request supplied fixed to the foot).
- On request different length.
- Fmax. = maximum applicable load in static conditions.

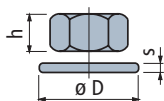
## Accessories

### Anti-slip



- Code with reinforcement disc : **630082**.
- Code without reinforcement disc : **630092**.
- Assembly : with screws for plate supplied loose.
- Material : NBR rubber (black), 80 Shore.
- Packaging : 8 pieces.

### Nut + Washer



|     | Code                        |                      | h  | s  | øD | s  |
|-----|-----------------------------|----------------------|----|----|----|----|
|     | Stainless steel<br>AISI 304 | Zinc plated<br>steel | mm | mm | mm | mm |
| M16 | 630212                      | 630142               | 13 | 24 | 30 | 3  |
| M20 | 630222                      | 630152               | 16 | 30 | 37 | 3  |
| M24 | 630232                      | 630162               | 19 | 36 | 44 | 4  |
| M30 | 630242                      | 630172               | 24 | 46 | 56 | 4  |

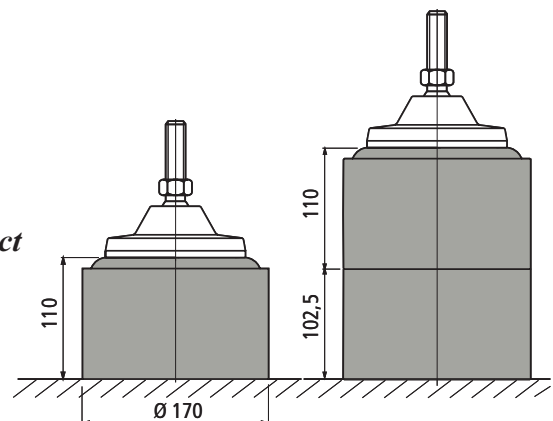
Packaging : 8 pieces.

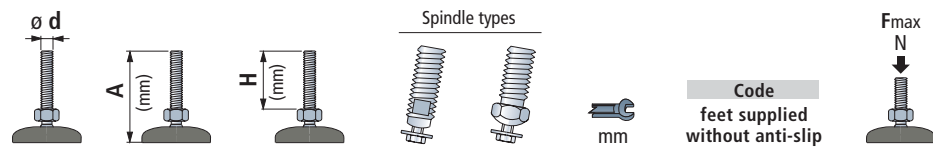
### Part. 726 - Spacer



**New  
Product**

- Code : **726/688772**.
- Material : reinforced polyamide PA FV (black).
- Weight : 1,15 Kg.
- Packaging : 8 pieces.





## Spindle in stainless steel

|      |     |     |    |    |    |             |       |
|------|-----|-----|----|----|----|-------------|-------|
| M 16 | 175 | 118 | -  | 12 | 22 | 297/629182  | 45000 |
|      | 205 | 148 | -  | 12 | 22 | 297/629192  |       |
| M 20 | 205 | 148 | -  | 12 | 22 | 297/629202  |       |
| M 24 | 230 | 165 | 11 | -  | 19 | 297/680371N |       |
| M 30 | 190 | 120 | 11 | -  | 27 | 297/629212  |       |
|      | 250 | 180 | 11 | -  | 27 | 297/629222  |       |

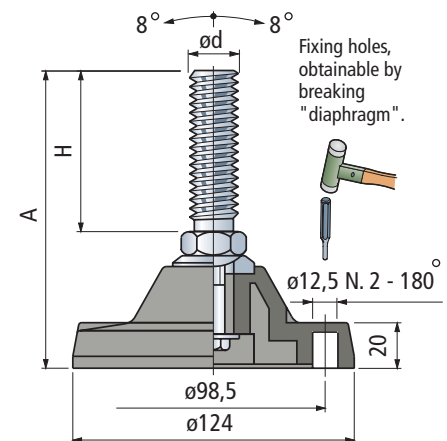
## Spindle in zinc plated steel

|      |     |     |    |    |    |             |       |
|------|-----|-----|----|----|----|-------------|-------|
| M 20 | 155 | 100 | -  | 12 | 22 | 297/629232  | 45000 |
|      | 195 | 140 | -  | 12 | 22 | 297/629242  |       |
|      | 190 | 120 | 11 | -  | 27 | 297/629252  |       |
| M 30 | 250 | 180 | 11 | -  | 27 | 297/629262  |       |
|      | 325 | 250 | 11 | -  | 27 | 297/688071N |       |

- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 8 pieces.
- Anti-slip supplied separately (on request supplied fixed to the foot).
- On request different length.
- Fmax. = maximum applicable load in static conditions

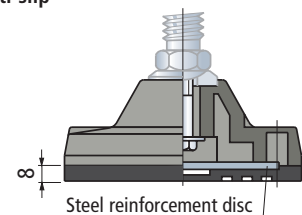


Same dimensions as Part. 254, it differs in its predisposition to fixing.



## Accessories

### Anti-slip



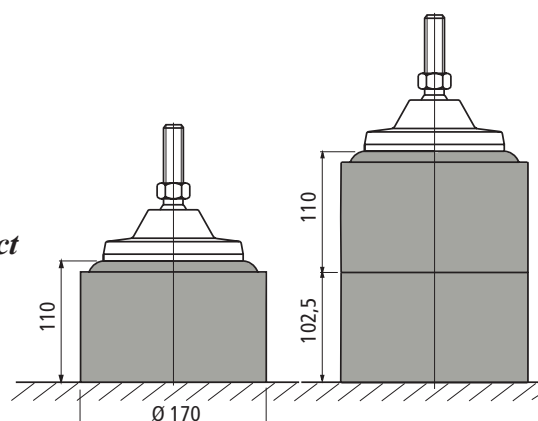
- Code with reinforcement disc : 630082.
- Code without reinforcement disc : 630092.
- Assembly : with screws for plate supplied loose.
- Material : NBR rubber (black), 80 Shore.
- Packaging : 8 pieces

### Part. 726 - Spacer

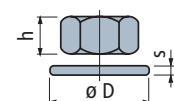


**New Product**

- Code : 726/688772.
- Material : reinforced polyamide PA FV (black).
- Weight : 1,15 Kg.
- Packaging : 8 pieces.



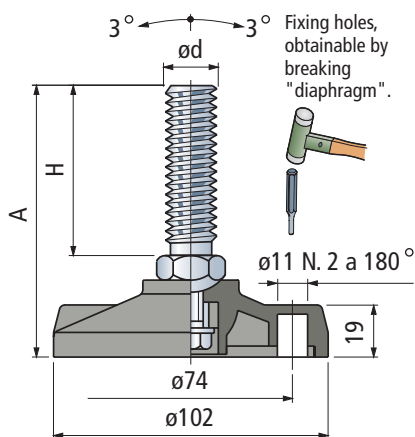
### Nut + Washer

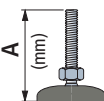
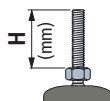
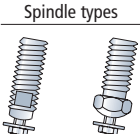
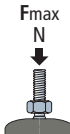


|     | Code            |                   | h  | s  | øD | s |
|-----|-----------------|-------------------|----|----|----|---|
|     | Stainless steel | Zinc plated steel |    |    |    |   |
| M16 | 630212          | 630142            | 13 | 24 | 30 | 3 |
| M20 | 630222          | 630152            | 16 | 30 | 37 | 3 |
| M24 | 630232          | 630162            | 19 | 36 | 44 | 4 |
| M30 | 630242          | 630172            | 24 | 46 | 56 | 4 |

Packaging : 8 pieces.

# Part. 134

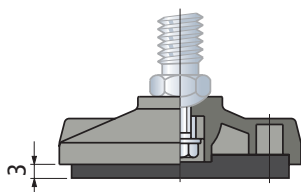


|  |  |  |  |    |  |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Spindle in stainless steel                                                        |                                                                                   |                                                                                   |                                                                                    |    |                                                                                     |                                                                                     |
| M 16                                                                              | 155                                                                               | 118                                                                               | -                                                                                  | 12 | 22                                                                                  | 134/629002                                                                          |
|                                                                                   | 185                                                                               | 148                                                                               | -                                                                                  | 12 | 22                                                                                  | 134/629012                                                                          |
| M 20                                                                              | 185                                                                               | 148                                                                               | -                                                                                  | 12 | 22                                                                                  | 134/629022                                                                          |
| M 24                                                                              | 210                                                                               | 165                                                                               | 11                                                                                 | -  | 19                                                                                  | 134/680091N                                                                         |
| M 30                                                                              | 170                                                                               | 120                                                                               | 11                                                                                 | -  | 27                                                                                  | 134/629032                                                                          |
|                                                                                   | 230                                                                               | 180                                                                               | 11                                                                                 | -  | 27                                                                                  | 134/629042                                                                          |
| Spindle in zinc plated steel                                                      |                                                                                   |                                                                                   |                                                                                    |    |                                                                                     |                                                                                     |
| M 20                                                                              | 135                                                                               | 100                                                                               | -                                                                                  | 12 | 22                                                                                  | 134/629052                                                                          |
|                                                                                   | 175                                                                               | 140                                                                               | -                                                                                  | 12 | 22                                                                                  | 134/629062                                                                          |
| M 30                                                                              | 170                                                                               | 120                                                                               | 11                                                                                 | -  | 27                                                                                  | 134/629072                                                                          |
|                                                                                   | 230                                                                               | 180                                                                               | 11                                                                                 | -  | 27                                                                                  | 134/629082                                                                          |
|                                                                                   | 305                                                                               | 250                                                                               | 11                                                                                 | -  | 27                                                                                  | 134/688191N*                                                                        |

- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces (\*= 12 pieces).
- Anti-slip supplied separately.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

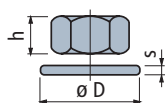
## Accessories

### Anti-slip



- Code : 630052.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

### Nut + Washer

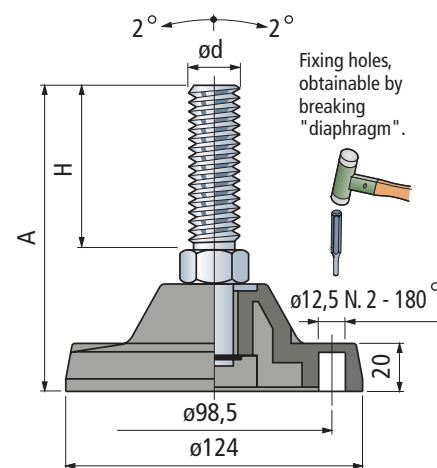


| Code            |                   | h      | s  | ØD |    |
|-----------------|-------------------|--------|----|----|----|
| Stainless steel | Zinc plated steel | mm     | mm | mm |    |
| M16             | 630212            | 630142 | 13 | 24 | 30 |
| M20             | 630222            | 630152 | 16 | 30 | 37 |
| M24             | 630232            | 630162 | 19 | 36 | 44 |
| M30             | 630242            | 630172 | 24 | 46 | 56 |

Packaging : 8 pieces.

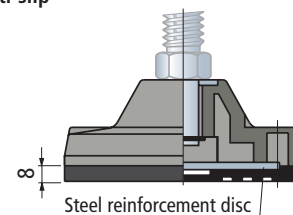
|                                     | Ø d | A (mm) | H (mm) | Spindle types |    | Footplate in polyamide PA FV | Footplate in polypropylene PP FV | Fmax N        |
|-------------------------------------|-----|--------|--------|---------------|----|------------------------------|----------------------------------|---------------|
|                                     |     |        |        |               | mm | Code                         | Code                             |               |
| feet supplied without anti-slip     |     |        |        |               |    |                              |                                  |               |
| <b>Spindle in stainless steel</b>   |     |        |        |               |    |                              |                                  |               |
| M 16                                | 255 | 200    | 21     | -             | 13 | 169/604993                   | -                                |               |
|                                     | 140 | 81     | -      | 22            | 30 | 169/624802                   | 169/628682                       | 45000 (PA FV) |
| M 20                                | 205 | 146    | -      | 22            | 30 | 169/624812                   | 169/628692                       | 13000 (PP FV) |
|                                     | 270 | 218    | 21     | -             | 17 | 169/611523*                  | 169/611633*                      |               |
| M 24                                | 205 | 152    | 21     | -             | 19 | 169/624822                   | 169/628702                       |               |
| M 30                                | 205 | 152    | 21     | -             | 24 | 169/624832                   | 169/628712                       |               |
| <b>Spindle in zinc plated steel</b> |     |        |        |               |    |                              |                                  |               |
| M 16                                | 255 | 200    | -      | 22            | 24 | 169/624842                   | 169/628722                       |               |
|                                     | 255 | 200    | 21     | -             | 13 | 169/604983*                  | -                                |               |
|                                     | 140 | 81     | -      | 22            | 30 | 169/624852                   | 169/628732                       | 45000 (PA FV) |
| M 20                                | 205 | 146    | -      | 22            | 30 | 169/624862                   | 169/628742                       | 13000 (PP FV) |
|                                     | 205 | 154    | 21     | -             | 17 | 169/611653                   | 169/636162                       |               |
|                                     | 255 | 195    | -      | 22            | 30 | 169/624872                   | 169/628752                       |               |
|                                     | 308 | 242    | -      | 22            | 30 | 169/611663*                  | 169/611673*                      |               |
| M 24                                | 145 | 91     | 21     | -             | 19 | 169/624882                   | 169/628762                       |               |
|                                     | 205 | 152    | 21     | -             | 19 | 169/624892                   | 169/628772                       |               |

- \* = Available upon request and minimum order quantity.
- Footplate material : reinforced polyamide PA FV (black) and reinforced polypropylene PP FV (black).
- Packaging : 8 pieces.
- Anti-slip supplied separately (on request supplied fixed to the foot).
- On request different length.
- Fmax. = maximum applicable load in static conditions.



### Accessories

#### Anti-slip



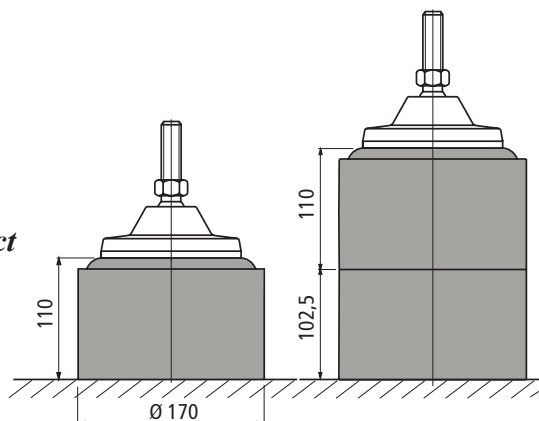
- Code with reinforcement disc : 630082.
- Code without reinforcement disc : 630092.
- Assembly : with screws for plate supplied loose.
- Material : NBR rubber (black), 80 Shore.
- Packaging : 8 pieces.

#### Part. 726 - Spacer

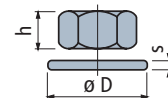


**New Product**

- Code : 726/688772.
- Material : reinforced polyamide PA FV (black).
- Weight : 1,15 Kg.
- Packaging : 8 pieces.



#### Nut + Washer



|     | Code   | Stainless steel | Zinc plated steel | h mm | ØD mm | s mm |
|-----|--------|-----------------|-------------------|------|-------|------|
| M16 | 630212 | 630142          | 13                | 24   | 30    | 3    |
| M20 | 630222 | 630152          | 16                | 30   | 37    | 3    |
| M24 | 630232 | 630162          | 19                | 36   | 44    | 4    |
| M30 | 630242 | 630172          | 24                | 46   | 56    | 4    |

Packaging : 8 pieces.

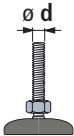
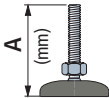
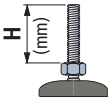
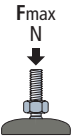
Ø 30

## Fixed Feet in reinforced polypropylene

marbett®

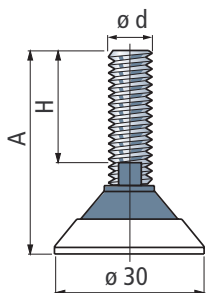
# Part. 675



|                                   |  |  |  |  | Code       |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|
| <b>Spindle in stainless steel</b> |                                                                                   |                                                                                   |                                                                                   |                                                                                     |            |                                                                                     |
| M 8                               |                                                                                   | 44                                                                                | 22                                                                                | 6                                                                                   | 675/683422 | 8000                                                                                |
|                                   |                                                                                   | 64                                                                                | 42                                                                                | 6                                                                                   | 675/683432 |                                                                                     |
| M 10                              |                                                                                   | 42                                                                                | 22                                                                                | 8                                                                                   | 675/683442 | 10000                                                                               |
|                                   |                                                                                   | 67                                                                                | 47                                                                                | 8                                                                                   | 675/683452 |                                                                                     |

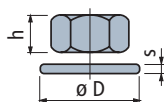
- Footplate material : reinforced polypropylene PP FV (white).
- Packaging : 12 pieces.
- Fmax. = maximum applicable load in static conditions.

*New  
Product*



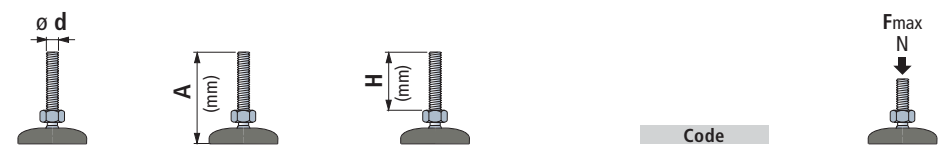
## Accessories

### Nut + Washer



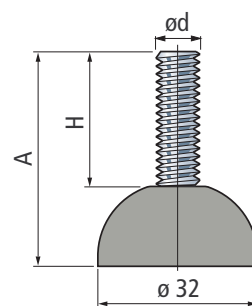
|     | Code   | h<br>mm |  s<br>mm | ØD<br>mm | s<br>mm |
|-----|--------|---------|---------------------------------------------------------------------------------------------|----------|---------|
| M10 | 630182 | 8       | 17                                                                                          | 21       | 2       |

Packaging : 24 pieces.



| Spindle in zinc plated steel |    |    | Code       |
|------------------------------|----|----|------------|
| M 6                          | 31 | 15 | 753/603233 |
|                              | 36 | 20 | 753/603243 |
|                              | 41 | 25 | 753/603253 |
|                              | 46 | 30 | 753/603263 |
| M 8                          | 31 | 15 | 753/603273 |
|                              | 36 | 20 | 753/603283 |
|                              | 41 | 25 | 753/603293 |
|                              | 46 | 30 | 753/603303 |
|                              | 51 | 35 | 753/603313 |
|                              | 56 | 40 | 753/603323 |
| M 10                         | 36 | 20 | 753/603333 |
|                              | 41 | 25 | 753/603343 |
|                              | 46 | 30 | 753/603353 |
|                              | 51 | 35 | 753/603363 |
|                              | 56 | 40 | 753/603373 |
|                              | 61 | 45 | 753/603383 |
|                              | 66 | 50 | 753/603393 |
| M 12                         | 48 | 30 | 753/603403 |
|                              | 53 | 35 | 753/603413 |
|                              | 58 | 40 | 753/603423 |
|                              | 63 | 45 | 753/603433 |
|                              | 68 | 50 | 753/603443 |

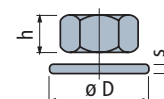
2500

**New  
Product**


- Footplate material : reinforced polypropylene PP FV (black).
- Packaging : 48 pieces.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

## Accessories

### Nut + Washer



|     | Code   | Zinc plated steel | h<br>mm |  mm | øD<br>mm | s<br>mm |
|-----|--------|-------------------|---------|------------------------------------------------------------------------------------------|----------|---------|
| M8  | 630102 |                   | 6,5     | 13                                                                                       | 17       | 1,6     |
| M10 | 630112 |                   | 8       | 17                                                                                       | 21       | 2       |
| M12 | 630122 |                   | 10      | 19                                                                                       | 24       | 2,5     |

Packaging : 24 pieces ( for M8, M10 ). 8 pieces ( for M12 ).



Ø50

## Fixed Feet in reinforced polyamide

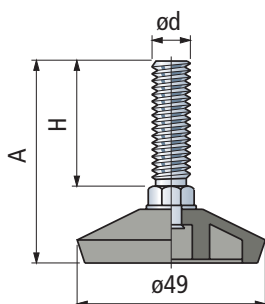
marbett®

# Part. 600



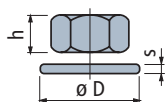
|                              |    |    |    |           |      |
|------------------------------|----|----|----|-----------|------|
|                              |    |    |    | Code      |      |
| Spindle in zinc plated steel |    |    |    |           |      |
| M 10                         | 50 | 30 | 10 | 600/68582 | 2000 |

- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 48 pieces.
- Fmax. = maximum applicable load in static conditions.



## Accessories

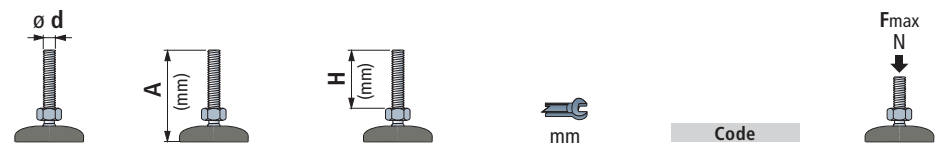
### Nut + Washer



| Code              | h  | s  | Ø D |
|-------------------|----|----|-----|
| Zinc plated steel | mm | mm | mm  |
| M10 630112        | 8  | 17 | 21  |

Packaging : 24 pieces.

# Part.602



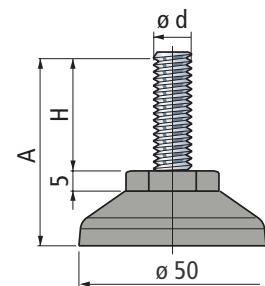
## Spindle in zinc plated steel

|      |    |    |    | Code       |      |
|------|----|----|----|------------|------|
| M 8  | 50 | 30 | 22 | 602/603523 | 5000 |
| M 10 | 60 | 40 | 22 | 602/693852 |      |

- Footplate material : reinforced polyamide PA FV (black).
- Packaging : 24 pieces.
- Fmax. = maximum applicable load in static conditions.

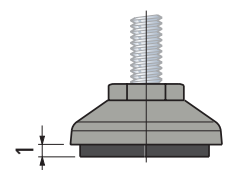


## New Product



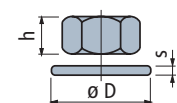
## Accessories

### Anti-slip



- Code : **630012**.
- Material : NBR rubber (black), 70 Shore.
- Assembly : press-fit.
- Packaging : 24 pieces.

### Nut + Washer



|     | Code          | h<br>mm |  mm | øD<br>mm | s<br>mm |
|-----|---------------|---------|------------------------------------------------------------------------------------------|----------|---------|
| M8  | <b>630102</b> | 6,5     | 13                                                                                       | 17       | 1,6     |
| M10 | <b>630112</b> | 8       | 17                                                                                       | 21       | 2       |

Packaging : 24 pieces.

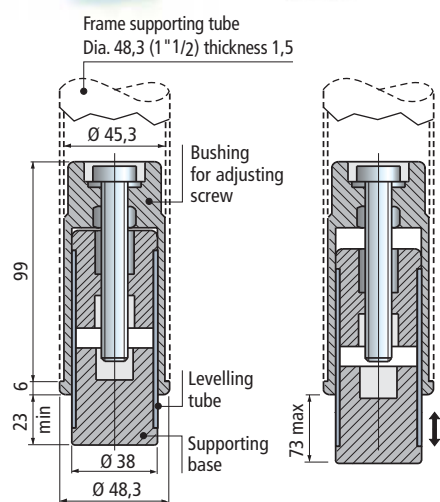
# Part. 745

New  
Product



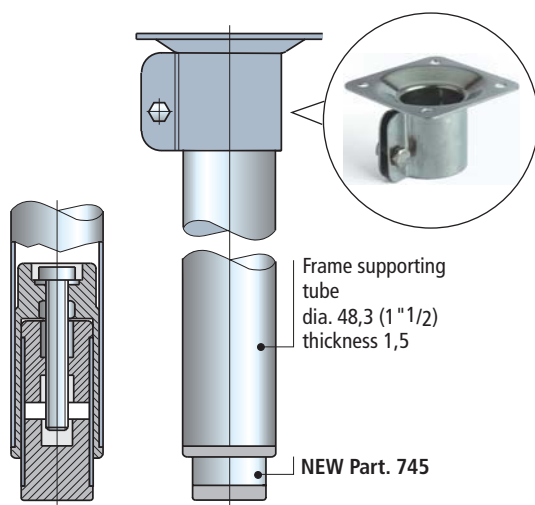
| Material                 | Code       | Fmax<br>N<br>↓ |
|--------------------------|------------|----------------|
| Stainless steel AISI 304 | 745/699062 | 4000           |

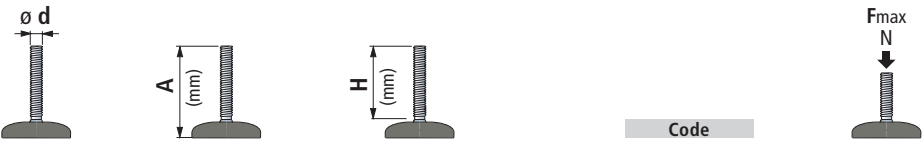
- Material : levelling tube in stainless steel AISI 304. Supporting base and bushing for adjusting screw in reinforced polyamide PA FV (black). Adjusting screw in stainless steel AISI 304. Threaded bushings in nickel plated brass.
- Packaging : 24 pieces.
- Fmax. = maximum applicable load in static conditions.



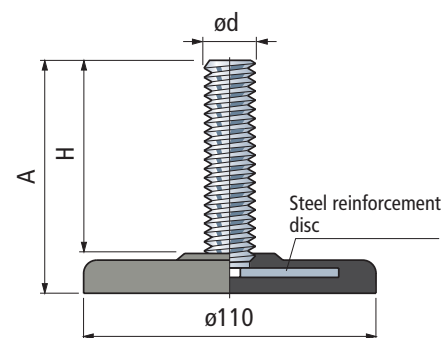
## Assembly

Fixing system with Part.690  
(bearing head).



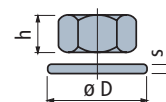
|                                                                                    |     |    |         |      |
|------------------------------------------------------------------------------------|-----|----|---------|------|
|  |     |    |         |      |
| <b>Spindle in zinc plated steel</b>                                                |     |    |         |      |
| M 16                                                                               | 101 | 86 | 31/5150 | 6000 |

- Footplate material : PVC rubber black (50 Shore).
- Packaging : 20 pieces.
- Fmax. = maximum applicable load in static conditions.



## Accessories

### Nut + Washer



|     | Code              | h  | ø D | s  |
|-----|-------------------|----|-----|----|
|     | Zinc plated steel | mm | mm  | mm |
| M16 | 630142            | 13 | 24  | 30 |

Packaging : 8 pieces.

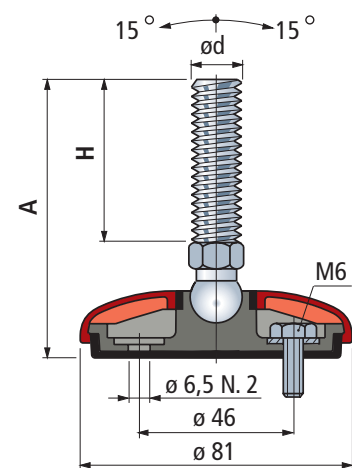
Ø 80

# Articulated Feet Gripper in reinforced polypropylene

marbett®

## Part. 626

Microban® antibacterial protection



### Protection cap

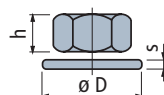


| Colour    | Code   |
|-----------|--------|
| Dark grey | 641912 |
| White     | 641922 |
| Blue      | 641932 |
| Orange    | 641942 |
| Black     | 641952 |

- Material : polypropylene PP, with Microban® antibacterial protection.
- Packaging : 24 pieces.
- Customized cap with customer logo.
- Other colours available upon request.

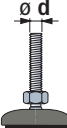
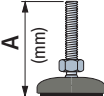
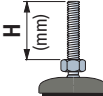
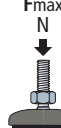
### Accessories

#### Nut + Washer



|     | Code                        |                      | h<br>mm |  | øD<br>mm | s<br>mm |
|-----|-----------------------------|----------------------|---------|-------------------------------------------------------------------------------------|----------|---------|
|     | Stainless steel<br>AISI 304 | Zinc plated<br>steel |         |                                                                                     |          |         |
| M10 | 630182                      | 630112               | 8       | 17                                                                                  | 21       | 2       |
| M12 | 630192                      | 630122               | 10      | 19                                                                                  | 24       | 2,5     |
| M14 | 630202                      | 630132               | 11      | 22                                                                                  | 28       | 2,5     |
| M16 | 630212                      | 630142               | 13      | 24                                                                                  | 30       | 3       |
| M20 | 630222                      | 630152               | 16      | 30                                                                                  | 37       | 3       |
| M24 | 630232                      | 630162               | 19      | 36                                                                                  | 44       | 4       |

Packaging : 24 pieces (for M10), 8 pieces (for M12, M14, M16, M20, M24 ).

|  |      |  |  | Spindle types |    |  |  |  | Code<br>feet supplied<br>without cap * |  |
|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------|----|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------|
| Spindle in stainless steel                                                        |      |                                                                                   |                                                                                   |               |    |                                                                                   |                                                                                    |                                                                                     |                                        |                                                                                     |
| M 10                                                                              | 95   | 67                                                                                | -                                                                                 | 2b            | 14 |                                                                                   |                                                                                    |                                                                                     | 626/641392                             | 10000                                                                               |
| M 12                                                                              | 85   | 55                                                                                | -                                                                                 | 2b            | 14 |                                                                                   |                                                                                    |                                                                                     | 626/641402                             |                                                                                     |
|                                                                                   | 145  | 115                                                                               | -                                                                                 | 2b            | 14 |                                                                                   |                                                                                    |                                                                                     | 626/641412                             |                                                                                     |
| M 14                                                                              | 110  | 76                                                                                | 1a                                                                                | -             | 11 |                                                                                   |                                                                                    |                                                                                     | 626/641712                             |                                                                                     |
| M 16                                                                              | 100  | 64                                                                                | 1a                                                                                | -             | 13 |                                                                                   |                                                                                    |                                                                                     | 626/641722                             |                                                                                     |
|                                                                                   | 115  | 81                                                                                | 1a                                                                                | -             | 13 |                                                                                   |                                                                                    |                                                                                     | 626/641732                             |                                                                                     |
|                                                                                   | 160  | 124                                                                               | 1a                                                                                | -             | 13 |                                                                                   |                                                                                    |                                                                                     | 626/641742                             |                                                                                     |
|                                                                                   | 185  | 151                                                                               | 1a                                                                                | -             | 13 |                                                                                   |                                                                                    |                                                                                     | 626/641752                             |                                                                                     |
| M 20                                                                              | 120  | 84                                                                                | 1a                                                                                | -             | 16 |                                                                                   |                                                                                    |                                                                                     | 626/641762                             |                                                                                     |
|                                                                                   | 185  | 149                                                                               | 1a                                                                                | -             | 16 |                                                                                   |                                                                                    |                                                                                     | 626/641772                             |                                                                                     |
| M 24                                                                              | 185  | 146                                                                               | 1a                                                                                | -             | 19 |                                                                                   |                                                                                    |                                                                                     | 626/641782                             |                                                                                     |
| Spindle in zinc plated steel                                                      |      |                                                                                   |                                                                                   |               |    |                                                                                   |                                                                                    |                                                                                     |                                        |                                                                                     |
| M 10                                                                              | 60   | 30                                                                                | -                                                                                 | 2b            | 14 |                                                                                   |                                                                                    |                                                                                     | 626/641522                             | 10000                                                                               |
|                                                                                   | 95   | 65                                                                                | -                                                                                 | 2b            | 14 |                                                                                   |                                                                                    |                                                                                     | 626/641532                             |                                                                                     |
|                                                                                   | 145  | 115                                                                               | -                                                                                 | 2b            | 14 |                                                                                   |                                                                                    |                                                                                     | 626/641542                             |                                                                                     |
| M 12                                                                              | 65   | 35                                                                                | -                                                                                 | 2b            | 14 |                                                                                   |                                                                                    |                                                                                     | 626/641552                             |                                                                                     |
|                                                                                   | 100  | 70                                                                                | -                                                                                 | 2b            | 14 |                                                                                   |                                                                                    |                                                                                     | 626/641562*                            |                                                                                     |
|                                                                                   | 120  | 90                                                                                | -                                                                                 | 2b            | 14 |                                                                                   |                                                                                    |                                                                                     | 626/641572*                            |                                                                                     |
| M 14                                                                              | 90   | 56                                                                                | 1a                                                                                | -             | 11 |                                                                                   |                                                                                    |                                                                                     | 626/641792                             |                                                                                     |
| M 16                                                                              | 80   | 48                                                                                | -                                                                                 | 2b            | 16 |                                                                                   |                                                                                    |                                                                                     | 626/641592                             |                                                                                     |
|                                                                                   | 95   | 61                                                                                | 1a                                                                                | -             | 13 |                                                                                   |                                                                                    |                                                                                     | 626/641812                             |                                                                                     |
|                                                                                   | 100  | 68                                                                                | -                                                                                 | 2b            | 16 |                                                                                   |                                                                                    |                                                                                     | 626/641602                             |                                                                                     |
|                                                                                   | 120  | 89                                                                                | -                                                                                 | 2b            | 16 |                                                                                   |                                                                                    |                                                                                     | 626/641612                             |                                                                                     |
|                                                                                   | 130  | 96                                                                                | 1a                                                                                | -             | 13 |                                                                                   |                                                                                    |                                                                                     | 626/641822                             |                                                                                     |
|                                                                                   | 150  | 116                                                                               | 1a                                                                                | -             | 13 |                                                                                   |                                                                                    |                                                                                     | 626/641832                             |                                                                                     |
|                                                                                   | 155  | 124                                                                               | -                                                                                 | 2b            | 16 |                                                                                   |                                                                                    |                                                                                     | 626/641622                             |                                                                                     |
|                                                                                   | 160  | 130                                                                               | -                                                                                 | 2b            | 16 |                                                                                   |                                                                                    |                                                                                     | 626/643052                             |                                                                                     |
|                                                                                   | 185  | 151                                                                               | 1a                                                                                | -             | 13 |                                                                                   |                                                                                    |                                                                                     | 626/641842                             |                                                                                     |
|                                                                                   | 195  | 165                                                                               | -                                                                                 | 2b            | 16 |                                                                                   |                                                                                    |                                                                                     | 626/641632                             |                                                                                     |
|                                                                                   | 235  | 201                                                                               | -                                                                                 | 2b            | 16 |                                                                                   |                                                                                    |                                                                                     | 626/641642                             |                                                                                     |
|                                                                                   | M 20 | 135                                                                               | 100                                                                               | 1a            | -  | 16                                                                                |                                                                                    |                                                                                     |                                        |                                                                                     |
| 185                                                                               |      | 150                                                                               | 1a                                                                                | -             | 16 |                                                                                   |                                                                                    |                                                                                     | 626/641872                             |                                                                                     |
| 250                                                                               |      | 214                                                                               | 1a                                                                                | -             | 16 |                                                                                   |                                                                                    |                                                                                     | 626/641882                             |                                                                                     |
| M 24                                                                              | 120  | 81                                                                                | 1a                                                                                | -             | 19 |                                                                                   |                                                                                    |                                                                                     | 626/641892                             |                                                                                     |
|                                                                                   | 185  | 146                                                                               | 1a                                                                                | -             | 19 |                                                                                   |                                                                                    |                                                                                     | 626/641902                             |                                                                                     |



**Microban®**  
antibacterial protection

Foot base are protection cap, supplied with Microban® antibacterial protection.

By penetrating the cell wall of bacteria Microban® inhibits the growth of most common food poisoning bacteria, such as E.coli, Salmonella, Listeria, S-aureus, Campylobacter, which can cause contamination and odour.

\* = Available upon request and minimum order quantity.

\* = Feet are supplied without protection caps. Caps have to be ordered separately, indicating selected colour.

- Base material : reinforced polypropylene with integrated anti-slip in thermoplastic rubber grey (80 Shore).

Materials are supplied with Microban® antibacterial protection.

- The sealing of the internal structure guarantees a better hygiene.

- Feet can be fixed to the floor.

- Packaging : 24 pieces.

- On request different length.

- Fmax. = maximum applicable load in static conditions.

## Part. 627

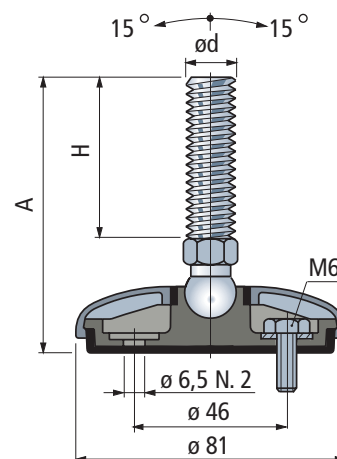
Microban® antibacterial protection

|                            |     |     | Spindle types |    |    | Code                                |                                          |       |  |
|----------------------------|-----|-----|---------------|----|----|-------------------------------------|------------------------------------------|-------|--|
|                            |     |     |               |    |    | feet with cap<br>supplied assembled | feet with cap *<br>supplied disassembled |       |  |
| Spindle in stainless steel |     |     |               |    |    |                                     |                                          |       |  |
| M 10                       | 95  | 67  | -             | 2b | 14 | 627/641972                          | 627/647292                               | 10000 |  |
| M 12                       | 85  | 55  | -             | 2b | 14 | 627/641982                          | 627/647302                               |       |  |
|                            | 145 | 115 | -             | 2b | 14 | 627/641992                          | 627/647312                               |       |  |
| M 14                       | 110 | 76  | 1a            | -  | 11 | 627/642102                          | 627/647322                               |       |  |
|                            | 100 | 64  | 1a            | -  | 13 | 627/642112                          | 627/647332                               |       |  |
| M 16                       | 115 | 81  | 1a            | -  | 13 | 627/642122                          | 627/647342                               |       |  |
|                            | 160 | 124 | 1a            | -  | 13 | 627/642132                          | 627/647352                               |       |  |
|                            | 185 | 151 | 1a            | -  | 13 | 627/642142                          | 627/647362                               |       |  |
| M 20                       | 120 | 84  | 1a            | -  | 16 | 627/642152                          | 627/647372                               |       |  |
|                            | 185 | 149 | 1a            | -  | 16 | 627/642162                          | 627/647382                               |       |  |
| M 24                       | 185 | 146 | 1a            | -  | 19 | 627/642172                          | 627/647392                               |       |  |



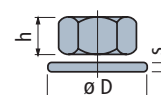
Foot base is supplied with Microban® antibacterial protection. By penetrating the cell wall of bacteria Microban® inhibits the growth of most common food poisoning bacteria, such as E.coli, Salmonella, Listeria, S-aureus, Campylobacter, which can cause contamination and odour.

- \* = Feet can be fixed to the floor.
- Protection cap material : stainless steel AISI 304.
- Base material : reinforced polypropylene with integrated anti-slip in thermoplastic rubber grey (80 Shore).
- Materials are supplied with Microban® antibacterial protection.
- The sealing of the internal structure guarantees a better hygiene.
- Packaging : 24 pieces.
- On request different length.
- Fmax. = maximum applicable load in static conditions.



### Accessories

Nut + Washer



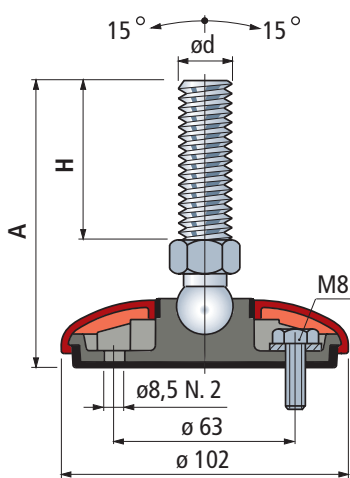
|     | Code<br>Stainless steel<br>AISI 304 | h<br>mm |  mm | ØD<br>mm | s<br>mm |
|-----|-------------------------------------|---------|------------------------------------------------------------------------------------------|----------|---------|
| M10 | 630182                              | 8       | 17                                                                                       | 21       | 2       |
| M12 | 630192                              | 10      | 19                                                                                       | 24       | 2,5     |
| M14 | 630202                              | 11      | 22                                                                                       | 28       | 2,5     |
| M16 | 630212                              | 13      | 24                                                                                       | 30       | 3       |
| M20 | 630222                              | 16      | 30                                                                                       | 37       | 3       |
| M24 | 630232                              | 19      | 36                                                                                       | 44       | 4       |

Packaging : 24 pieces (for M10), 8 pieces (for M12, M14, M16, M20, M24 ).



# Part. 622

Microban® antibacterial protection



## Protection cap

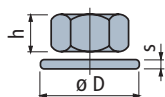


| Colour    | Code   |
|-----------|--------|
| Dark grey | 637052 |
| White     | 637062 |
| Blue      | 637072 |
| Orange    | 637082 |
| Black     | 639412 |

- Packaging : 24 pieces.
- Customized cap with customer logo.
- Other colours available upon request.

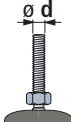
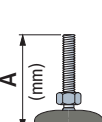
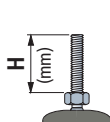
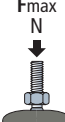
## Accessories

### Nut + Washer



|     | Code   | Stainless steel | Zinc plated steel | h  | s  | ØD  | s  |
|-----|--------|-----------------|-------------------|----|----|-----|----|
|     |        | AISI 304        |                   | mm | mm | mm  | mm |
| M14 | 630202 | 630132          | 11                | 22 | 28 | 2,5 |    |
| M16 | 630212 | 630142          | 13                | 24 | 30 | 3   |    |
| M20 | 630222 | 630152          | 16                | 30 | 37 | 3   |    |
| M24 | 630232 | 630162          | 19                | 36 | 44 | 4   |    |

Packaging : 8 pieces.

|  |      |  |  | Spindle types                                                                     |                                                                                    |                                                                                     |  |  |
|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                   |      |                                                                                   |                                                                                   |  |  |  |                                                                                     |                                                                                     |
| Code                                                                              |      |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| feet supplied without cap *                                                       |      |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| Spindle in stainless steel                                                        |      |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| M 14                                                                              | 115  | 76                                                                                | 1a                                                                                | -                                                                                 | -                                                                                  | 11                                                                                  | 622/643542                                                                          | 19500                                                                               |
|                                                                                   | 105  | 64                                                                                | 1a                                                                                | -                                                                                 | -                                                                                  | 13                                                                                  | 622/643552                                                                          |                                                                                     |
|                                                                                   | 115  | 74                                                                                | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637262                                                                          |                                                                                     |
|                                                                                   | 115  | 65                                                                                | -                                                                                 | 1b                                                                                | -                                                                                  | 13                                                                                  | 622/640362*                                                                         |                                                                                     |
|                                                                                   | 120  | 81                                                                                | 1a                                                                                | -                                                                                 | -                                                                                  | 13                                                                                  | 622/643562                                                                          |                                                                                     |
| M 16                                                                              | 150  | 109                                                                               | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637272                                                                          |                                                                                     |
|                                                                                   | 150  | 100                                                                               | -                                                                                 | 1b                                                                                | -                                                                                  | 13                                                                                  | 622/640372*                                                                         |                                                                                     |
|                                                                                   | 165  | 124                                                                               | 1a                                                                                | -                                                                                 | -                                                                                  | 13                                                                                  | 622/643572                                                                          |                                                                                     |
|                                                                                   | 185  | 144                                                                               | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637282                                                                          |                                                                                     |
|                                                                                   | 185  | 135                                                                               | -                                                                                 | 1b                                                                                | -                                                                                  | 13                                                                                  | 622/640382                                                                          |                                                                                     |
|                                                                                   | 190  | 151                                                                               | 1a                                                                                | -                                                                                 | -                                                                                  | 13                                                                                  | 622/643582                                                                          |                                                                                     |
|                                                                                   | 200  | 159                                                                               | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637292                                                                          |                                                                                     |
|                                                                                   | 200  | 150                                                                               | -                                                                                 | 1b                                                                                | -                                                                                  | 13                                                                                  | 622/640392                                                                          |                                                                                     |
|                                                                                   | 120  | 76                                                                                | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637442*                                                                         |                                                                                     |
|                                                                                   | M 20 | 120                                                                               | 74                                                                                | -                                                                                 | 1b                                                                                 | -                                                                                   | 16                                                                                  |                                                                                     |
| 125                                                                               |      | 84                                                                                | 1a                                                                                | -                                                                                 | -                                                                                  | 16                                                                                  | 622/643592                                                                          |                                                                                     |
| 185                                                                               |      | 141                                                                               | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637452                                                                          |                                                                                     |
| 185                                                                               |      | 139                                                                               | -                                                                                 | 1b                                                                                | -                                                                                  | 16                                                                                  | 622/637312                                                                          |                                                                                     |
| 190                                                                               |      | 149                                                                               | 1a                                                                                | -                                                                                 | -                                                                                  | 16                                                                                  | 622/643602                                                                          |                                                                                     |
| M 24                                                                              | 120  | 79                                                                                | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637322                                                                          |                                                                                     |
|                                                                                   | 120  | 74                                                                                | -                                                                                 | 1b                                                                                | -                                                                                  | 19                                                                                  | 622/640402*                                                                         |                                                                                     |
|                                                                                   | 190  | 146                                                                               | 1a                                                                                | -                                                                                 | -                                                                                  | 19                                                                                  | 622/643612                                                                          |                                                                                     |
|                                                                                   | 220  | 179                                                                               | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637332                                                                          |                                                                                     |
|                                                                                   | 220  | 172                                                                               | -                                                                                 | 1b                                                                                | -                                                                                  | 19                                                                                  | 622/640412                                                                          |                                                                                     |
| Spindle in zinc plated steel                                                      |      |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| M 14                                                                              | 95   | 56                                                                                | 1a                                                                                | -                                                                                 | -                                                                                  | 11                                                                                  | 622/643622                                                                          | 19500                                                                               |
|                                                                                   | 95   | 54                                                                                | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637342                                                                          |                                                                                     |
|                                                                                   | 95   | 48                                                                                | -                                                                                 | 1b                                                                                | -                                                                                  | 13                                                                                  | 622/640422*                                                                         |                                                                                     |
|                                                                                   | 100  | 61                                                                                | 1a                                                                                | -                                                                                 | -                                                                                  | 13                                                                                  | 622/643632                                                                          |                                                                                     |
|                                                                                   | 130  | 89                                                                                | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637352                                                                          |                                                                                     |
| M 16                                                                              | 130  | 83                                                                                | -                                                                                 | 1b                                                                                | -                                                                                  | 13                                                                                  | 622/640432                                                                          |                                                                                     |
|                                                                                   | 135  | 96                                                                                | 1a                                                                                | -                                                                                 | -                                                                                  | 13                                                                                  | 622/643642                                                                          |                                                                                     |
|                                                                                   | 155  | 116                                                                               | 1a                                                                                | -                                                                                 | -                                                                                  | 13                                                                                  | 622/643652                                                                          |                                                                                     |
|                                                                                   | 160  | 119                                                                               | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637362                                                                          |                                                                                     |
|                                                                                   | 160  | 113                                                                               | -                                                                                 | 1b                                                                                | -                                                                                  | 13                                                                                  | 622/640442*                                                                         |                                                                                     |
|                                                                                   | 190  | 151                                                                               | 1a                                                                                | -                                                                                 | -                                                                                  | 13                                                                                  | 622/643662                                                                          |                                                                                     |
|                                                                                   | 195  | 154                                                                               | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637372                                                                          |                                                                                     |
|                                                                                   | 195  | 148                                                                               | -                                                                                 | 1b                                                                                | -                                                                                  | 13                                                                                  | 622/640452*                                                                         |                                                                                     |
|                                                                                   | 120  | 76                                                                                | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637462*                                                                         |                                                                                     |
|                                                                                   | M 20 | 120                                                                               | 74                                                                                | -                                                                                 | 1b                                                                                 | -                                                                                   | 16                                                                                  |                                                                                     |
| 140                                                                               |      | 100                                                                               | 1a                                                                                | -                                                                                 | -                                                                                  | 16                                                                                  | 622/643672                                                                          |                                                                                     |
| 155                                                                               |      | 111                                                                               | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637472*                                                                         |                                                                                     |
| 155                                                                               |      | 106                                                                               | -                                                                                 | 1b                                                                                | -                                                                                  | 16                                                                                  | 622/637392                                                                          |                                                                                     |
| 185                                                                               |      | 141                                                                               | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637482*                                                                         |                                                                                     |
| 185                                                                               |      | 139                                                                               | -                                                                                 | 1b                                                                                | -                                                                                  | 16                                                                                  | 622/637402                                                                          |                                                                                     |
| 190                                                                               |      | 150                                                                               | 1a                                                                                | -                                                                                 | -                                                                                  | 16                                                                                  | 622/643682                                                                          |                                                                                     |
| 250                                                                               |      | 206                                                                               | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637492*                                                                         |                                                                                     |
| 250                                                                               |      | 204                                                                               | -                                                                                 | 1b                                                                                | -                                                                                  | 16                                                                                  | 622/637412                                                                          |                                                                                     |
| 255                                                                               |      | 214                                                                               | 1a                                                                                | -                                                                                 | -                                                                                  | 16                                                                                  | 622/643692                                                                          |                                                                                     |
| M 24                                                                              | 120  | 79                                                                                | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637422                                                                          |                                                                                     |
|                                                                                   | 120  | 79                                                                                | -                                                                                 | 1b                                                                                | -                                                                                  | 19                                                                                  | 622/640462                                                                          |                                                                                     |
|                                                                                   | 125  | 81                                                                                | 1a                                                                                | -                                                                                 | -                                                                                  | 19                                                                                  | 622/643702                                                                          |                                                                                     |
|                                                                                   | 185  | 144                                                                               | -                                                                                 | -                                                                                 | 6b                                                                                 | 24                                                                                  | 622/637432                                                                          |                                                                                     |
|                                                                                   | 185  | 139                                                                               | -                                                                                 | 1b                                                                                | -                                                                                  | 19                                                                                  | 622/640472                                                                          |                                                                                     |
| 190                                                                               | 146  | 1a                                                                                | -                                                                                 | -                                                                                 | 19                                                                                 | 622/643712                                                                          |                                                                                     |                                                                                     |

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antibacterial protection

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By penetrating the cell wall of bacteria Microban® inhibits the growth of most common food poisoning bacteria, such as E.coli, Salmonella, Listeria, S-aureus, Campylobacter, which can cause contamination and odour.

\* = Available upon request and minimum order quantity.

\* = Feet are supplied without protection caps. Caps have to be ordered separately, indicating selected colour.

- Base material : reinforced polypropylene with integrated anti-slip in thermoplastic rubber grey (80 Shore).

- Materials are supplied with Microban® antibacterial protection.

- The sealing of the internal structure guarantees a better hygiene.

- Feet can be fixed to the floor.

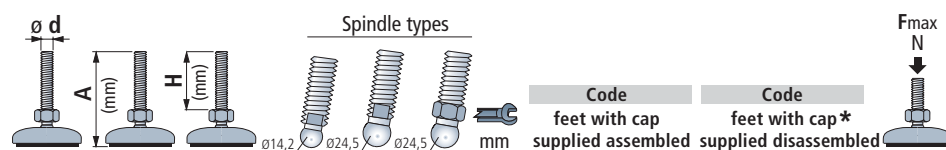
- Packaging : 24 pieces.

- On request different length.

- Fmax. = maximum applicable load in static conditions.

## Part. 623

**Microban® antibacterial protection**



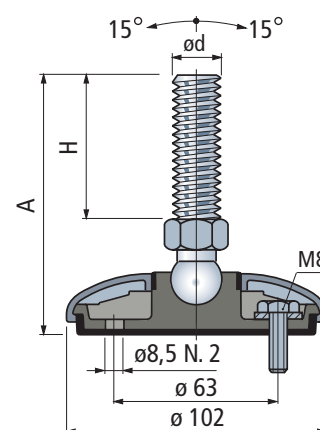
**Spindle in stainless steel**

| Spartan in business deal |     |     |    |    |    |    |             |             |
|--------------------------|-----|-----|----|----|----|----|-------------|-------------|
| M 14                     | 115 | 76  | 1a | -  | -  | 11 | 623/643722  | 623/647402  |
|                          | 105 | 64  | 1a | -  | -  | 13 | 623/643732  | 623/647412  |
|                          | 115 | 74  | -  | -  | 6b | 24 | 623/637512  | 623/647422  |
|                          | 115 | 65  | -  | 1b | -  | 13 | 623/640482* | 623/647432* |
|                          | 120 | 81  | 1a | -  | -  | 13 | 623/643742  | 623/647442  |
| M 16                     | 150 | 109 | -  | -  | 6b | 24 | 623/637522  | 623/647452  |
|                          | 150 | 100 | -  | 1b | -  | 13 | 623/640492* | 623/647462* |
|                          | 165 | 124 | 1a | -  | -  | 13 | 623/643752  | 623/647472  |
|                          | 185 | 144 | -  | -  | 6b | 24 | 623/637532  | 623/647482  |
|                          | 185 | 135 | -  | 1b | -  | 13 | 623/640502  | 623/647492  |
|                          | 190 | 151 | 1a | -  | -  | 13 | 623/643762  | 623/647502  |
|                          | 200 | 159 | -  | -  | 6b | 24 | 623/637542  | 623/647512  |
|                          | 200 | 150 | -  | 1b | -  | 13 | 623/640512  | 623/647522  |
| M 20                     | 120 | 76  | -  | -  | 6b | 24 | 623/637692* | 623/647532* |
|                          | 120 | 74  | -  | 1b | -  | 16 | 623/637552  | 623/647542  |
|                          | 125 | 84  | 1a | -  | -  | 16 | 623/643772  | 623/647552  |
|                          | 185 | 141 | -  | -  | 6b | 24 | 623/637702  | 623/647562  |
|                          | 185 | 139 | -  | 1b | -  | 16 | 623/637562  | 623/647572  |
|                          | 190 | 149 | 1a | -  | -  | 16 | 623/643782  | 623/647582  |
| M 24                     | 120 | 79  | -  | -  | 6b | 24 | 623/637572  | 623/647592  |
|                          | 120 | 74  | -  | 1b | -  | 19 | 623/640522* | 623/647602* |
|                          | 190 | 146 | 1a | -  | -  | 19 | 623/643792  | 623/647612  |
|                          | 220 | 179 | -  | -  | 6b | 24 | 623/637582  | 623/647622  |
|                          | 220 | 172 | -  | 1b | -  | 19 | 623/640532  | 623/647632  |



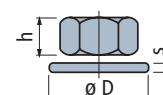
Foot base is supplied with Microban® antibacterial protection. By penetrating the cell wall of bacteria Microban® inhibits the growth of most common food poisoning bacteria, such as E.coli, Salmonella, Listeria, cause contamination and odour.

- = Available upon request and minimum order quantity.
- \* = Feet can be fixed to the floor.
- Protection cap material : stainless steel AISI 304.
- Base material : reinforced polypropylene with integrated anti-slip in thermoplastic rubber grey (80 Shore).
- Materials are supplied with **Microban®** antibacterial protection.
- The sealing of the internal structure guarantees a better hygiene.
- Packaging : 24 pieces.
- On request different length.
- Fmax. = maximum applicable load in static conditions.



## Accessories

**Nut + Washer**

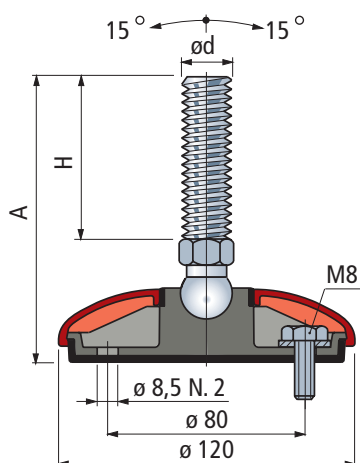


|     | Code            | h  |  | øD | s   |
|-----|-----------------|----|---------------------------------------------------------------------------------------|----|-----|
|     | Stainless steel | mm | mm                                                                                    | mm | mm  |
|     | AISI 304        |    |                                                                                       |    |     |
| M14 | 630202          | 11 | 22                                                                                    | 28 | 2,5 |
| M16 | 630212          | 13 | 24                                                                                    | 30 | 3   |
| M20 | 630222          | 16 | 30                                                                                    | 37 | 3   |
| M24 | 630232          | 19 | 36                                                                                    | 44 | 4   |

Packaging : 8 pieces.

# Part. 628

Microban® antibacterial protection



## Protection cap

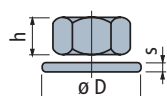


Colour Code  
Dark grey 643062  
White 643072  
Blue 643082  
Orange 643092  
Black 643102

- Packaging : 24 pieces.  
- Customized cap with customer logo.  
- Other colours available upon request.

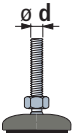
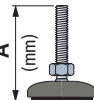
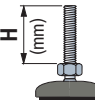
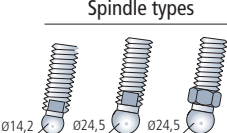
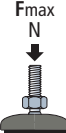
## Accessories

### Nut + Washer



|     | Code   | Stainless steel | Zinc plated steel | h  | s  | øD | s   |
|-----|--------|-----------------|-------------------|----|----|----|-----|
|     |        | AISI 304        |                   | mm | mm | mm | mm  |
| M14 | 630202 | 630132          |                   | 11 | 22 | 28 | 2,5 |
| M16 | 630212 | 630142          |                   | 13 | 24 | 30 | 3   |
| M20 | 630222 | 630152          |                   | 16 | 30 | 37 | 3   |
| M24 | 630232 | 630162          |                   | 19 | 36 | 44 | 4   |

Packaging : 8 pieces.

|  |     |     |  |    |    |  |             |       |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------|-----|-----|-----------------------------------------------------------------------------------|----|----|-----------------------------------------------------------------------------------|-------------|-------|------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|
| Spindle in stainless steel                                                        |     |     |                                                                                   |    |    |                                                                                   |             |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
| M 14                                                                              | 120 | 76  | 1a                                                                                | -  | -  | 11                                                                                | 628/643802  | 22000 |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 110 | 64  | 1a                                                                                | -  | -  | 13                                                                                | 628/643812  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 120 | 74  | -                                                                                 | -  | 6b | 24                                                                                | 628/642442  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 120 | 65  | -                                                                                 | 1b | -  | 13                                                                                | 628/642452* |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 125 | 81  | 1a                                                                                | -  | -  | 13                                                                                | 628/643822  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 155 | 109 | -                                                                                 | -  | 6b | 24                                                                                | 628/642462  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 155 | 100 | -                                                                                 | 1b | -  | 13                                                                                | 628/642472* |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 170 | 124 | 1a                                                                                | -  | -  | 13                                                                                | 628/643832  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 190 | 144 | -                                                                                 | -  | 6b | 24                                                                                | 628/642482  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 190 | 135 | -                                                                                 | 1b | -  | 13                                                                                | 628/642492  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
| M 16                                                                              | 195 | 151 | 1a                                                                                | -  | -  | 13                                                                                | 628/643842  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 205 | 159 | -                                                                                 | -  | 6b | 24                                                                                | 628/642502  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 205 | 150 | -                                                                                 | 1b | -  | 13                                                                                | 628/642512  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 125 | 76  | -                                                                                 | -  | 6b | 24                                                                                | 628/642522* |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 125 | 74  | -                                                                                 | 1b | -  | 16                                                                                | 628/642532  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 130 | 84  | 1a                                                                                | -  | -  | 16                                                                                | 628/643852  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 190 | 141 | -                                                                                 | -  | 6b | 24                                                                                | 628/642542  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 190 | 139 | -                                                                                 | 1b | -  | 16                                                                                | 628/642552  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 195 | 149 | 1a                                                                                | -  | -  | 16                                                                                | 628/643862  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 125 | 79  | -                                                                                 | -  | 6b | 24                                                                                | 628/642562  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
| M 20                                                                              | 125 | 74  | -                                                                                 | 1b | -  | 19                                                                                | 628/642572* |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 195 | 146 | 1a                                                                                | -  | -  | 19                                                                                | 628/643872  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 225 | 179 | -                                                                                 | -  | 6b | 24                                                                                | 628/642582  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 225 | 172 | -                                                                                 | 1b | -  | 19                                                                                | 628/642592  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
| Spindle in zinc plated steel                                                      |     |     |                                                                                   |    |    |                                                                                   |             |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
| M 14                                                                              | 100 | 56  | 1a                                                                                | -  | -  | 11                                                                                | 628/643882  | 22000 |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 100 | 54  | -                                                                                 | -  | 6b | 24                                                                                | 628/642602  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 100 | 48  | -                                                                                 | 1b | -  | 13                                                                                | 628/642612* |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 105 | 61  | 1a                                                                                | -  | -  | 13                                                                                | 628/643892  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 135 | 89  | -                                                                                 | -  | 6b | 24                                                                                | 628/642622  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 135 | 83  | -                                                                                 | 1b | -  | 13                                                                                | 628/642632  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 140 | 96  | 1a                                                                                | -  | -  | 13                                                                                | 628/643902  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 160 | 116 | 1a                                                                                | -  | -  | 13                                                                                | 628/643912  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 165 | 119 | -                                                                                 | -  | 6b | 24                                                                                | 628/642642  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 165 | 113 | -                                                                                 | 1b | -  | 13                                                                                | 628/642652* |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
| M 16                                                                              | 195 | 151 | 1a                                                                                | -  | -  | 13                                                                                | 628/643922  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 200 | 154 | -                                                                                 | -  | 6b | 24                                                                                | 628/642662  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 200 | 148 | -                                                                                 | 1b | -  | 13                                                                                | 628/642672* |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 125 | 76  | -                                                                                 | -  | 6b | 24                                                                                | 628/642682* |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 125 | 74  | -                                                                                 | 1b | -  | 16                                                                                | 628/642692  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 145 | 100 | 1a                                                                                | -  | -  | 16                                                                                | 628/643932  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 160 | 111 | -                                                                                 | -  | 6b | 24                                                                                | 628/642702* |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 160 | 106 | -                                                                                 | 1b | -  | 16                                                                                | 628/642712  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 190 | 141 | -                                                                                 | -  | 6b | 24                                                                                | 628/642722* |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 190 | 139 | -                                                                                 | 1b | -  | 16                                                                                | 628/642732  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
| M 20                                                                              | 195 | 150 | 1a                                                                                | -  | -  | 16                                                                                | 628/643942  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 255 | 206 | -                                                                                 | -  | 6b | 24                                                                                | 628/642742* |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 255 | 204 | -                                                                                 | 1b | -  | 16                                                                                | 628/642752  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 260 | 214 | 1a                                                                                | -  | -  | 16                                                                                | 628/643952  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 125 | 79  | -                                                                                 | -  | 6b | 24                                                                                | 628/642762  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 125 | 79  | -                                                                                 | 1b | -  | 19                                                                                | 628/642772  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 130 | 81  | 1a                                                                                | -  | -  | 19                                                                                | 628/643962  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 190 | 144 | -                                                                                 | -  | 6b | 24                                                                                | 628/642782  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 190 | 139 | -                                                                                 | 1b | -  | 19                                                                                | 628/642792  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
|                                                                                   | 195 | 146 | 1a                                                                                | -  | -  | 19                                                                                | 628/643972  |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |
| M 24                                                                              |     |     |                                                                                   |    |    |                                                                                   |             |       |                                                                                    |  |  |                                                                                     |  |                                                                                     |  |



**Microban®** Foot base are protection cap, supplied with Microban® antibacterial protection.

By penetrating the cell wall of bacteria Microban® inhibits the growth of most common food poisoning bacteria, such as E.coli, Salmonella, Listeria, S-aureus, Campylobacter, which can cause contamination and odour.

\* = Available upon request and minimum order quantity.

\* = Feet are supplied without protection caps. Caps have to be ordered separately, indicating selected colour.

- Base material : reinforced polypropylene with integrated anti-slip in thermoplastic rubber grey (80 Shore).

- Materials are supplied with Microban® antibacterial protection.

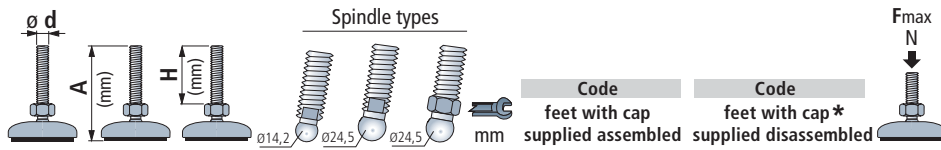
- The sealing of the internal structure guarantees a better hygiene.

- Feet can be fixed to the floor.

- Packaging : 24 pieces.

- On request different length.

- Fmax. = maximum applicable load in static conditions.



| Spindle in stainless steel |     |     |    |    |    |    | Code                             | Code                                 |
|----------------------------|-----|-----|----|----|----|----|----------------------------------|--------------------------------------|
|                            |     |     |    |    |    |    | feet with cap supplied assembled | feet with cap* supplied disassembled |
| M 14                       | 120 | 76  | 1a | -  | -  | 11 | 629/643982                       | 629/647642                           |
|                            | 110 | 64  | 1a | -  | -  | 13 | 629/643992                       | 629/647652                           |
|                            | 120 | 74  | -  | -  | 6b | 24 | 629/642282                       | 629/647662                           |
|                            | 120 | 65  | -  | 1b | -  | 13 | 629/642292*                      | 629/647672*                          |
|                            | 125 | 81  | 1a | -  | -  | 13 | 629/644002                       | 629/647682                           |
| M 16                       | 155 | 109 | -  | -  | 6b | 24 | 629/642302                       | 629/647692                           |
|                            | 155 | 100 | -  | 1b | -  | 13 | 629/642312*                      | 629/647702*                          |
|                            | 170 | 124 | 1a | -  | -  | 13 | 629/644012                       | 629/647712                           |
|                            | 190 | 144 | -  | -  | 6b | 24 | 629/642322                       | 629/647722                           |
|                            | 190 | 135 | -  | 1b | -  | 13 | 629/642332                       | 629/647732                           |
| M 20                       | 195 | 151 | 1a | -  | -  | 13 | 629/644022                       | 629/647742                           |
|                            | 205 | 159 | -  | -  | 6b | 24 | 629/642342                       | 629/647752                           |
|                            | 205 | 150 | -  | 1b | -  | 13 | 629/642352                       | 629/647762                           |
|                            | 125 | 76  | -  | -  | 6b | 24 | 629/642362*                      | 629/647772*                          |
|                            | 125 | 74  | -  | 1b | -  | 16 | 629/642372                       | 629/647782                           |
| M 24                       | 130 | 84  | 1a | -  | -  | 16 | 629/644032                       | 629/647792                           |
|                            | 190 | 141 | -  | -  | 6b | 24 | 629/642382                       | 629/647802                           |
|                            | 190 | 139 | -  | 1b | -  | 16 | 629/642392                       | 629/647812                           |
|                            | 195 | 149 | 1a | -  | -  | 16 | 629/644042                       | 629/647822                           |
|                            | 125 | 79  | -  | -  | 6b | 24 | 629/642402                       | 629/647832                           |
| M 24                       | 125 | 74  | -  | 1b | -  | 19 | 629/642412*                      | 629/647842*                          |
|                            | 195 | 146 | 1a | -  | -  | 19 | 629/644052                       | 629/647852                           |
|                            | 225 | 179 | -  | -  | 6b | 24 | 629/642422                       | 629/647862                           |
|                            | 225 | 172 | -  | 1b | -  | 19 | 629/642432                       | 629/647872                           |



Foot base is supplied with Microban® antibacterial protection. By penetrating the cell wall of bacteria Microban® inhibits the growth of most common food poisoning bacteria, such as E.coli, Salmonella, Listeria,

S-aureus, Campylobacter, which can cause contamination and odour.

\* = Available upon request and minimum order quantity.

\* = Feet can be fixed to the floor.

- Protection cap material : stainless steel AISI 304.

- Base material : reinforced polypropylene with integrated anti-slip in thermoplastic rubber grey (80 Shore).

Materials are supplied with Microban® antibacterial protection.

- The sealing of the internal structure guarantees a better hygiene.

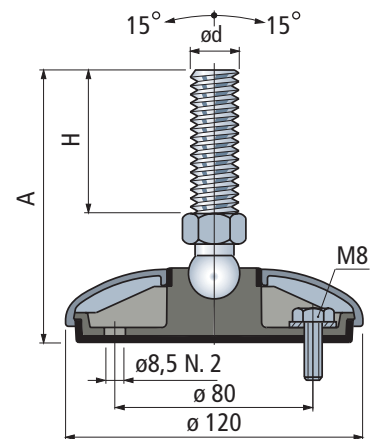
- Packaging : 24 pieces.

- On request different length.

- Fmax. = maximum applicable load in static conditions.

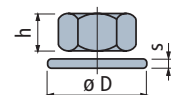


22000



### Accessories

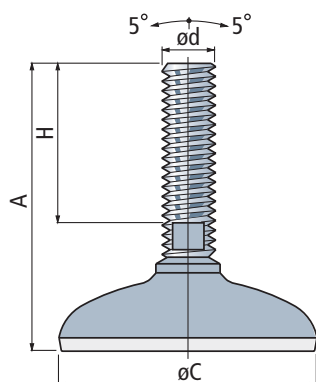
#### Nut + Washer

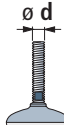
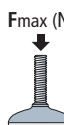


|     | Code                     | h  | s  | ØD | s   |
|-----|--------------------------|----|----|----|-----|
|     | Stainless steel AISI 304 | mm | mm | mm | mm  |
| M14 | 630202                   | 11 | 22 | 28 | 2,5 |
| M16 | 630212                   | 13 | 24 | 30 | 3   |
| M20 | 630222                   | 16 | 30 | 37 | 3   |
| M24 | 630232                   | 19 | 36 | 44 | 4   |

Packaging : 8 pieces.

## Part. 747-748-749

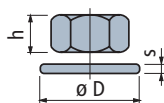
New  
Product

|                                                                                   |  |  |  | <br>mm | Code       | <br>Fmax (N) |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------|
| Part. 747                                                                         |                                                                                   |                                                                                   |                                                                                    |                                                                                           |            |                                                                                                 |
|  | M 16                                                                              | 100                                                                               | 55                                                                                 | 13                                                                                        | 747/602003 | 25000                                                                                           |
|                                                                                   |                                                                                   | 182                                                                               | 136                                                                                | 13                                                                                        | 747/602013 |                                                                                                 |
|                                                                                   | M 20                                                                              | 187                                                                               | 139                                                                                | 16                                                                                        | 747/602023 |                                                                                                 |
|                                                                                   | M 24                                                                              | 217                                                                               | 167                                                                                | 19                                                                                        | 747/602033 |                                                                                                 |
| Part. 748                                                                         |                                                                                   |                                                                                   |                                                                                    |                                                                                           |            |                                                                                                 |
|  | M 16                                                                              | 103                                                                               | 55                                                                                 | 13                                                                                        | 748/602043 | 25000                                                                                           |
|                                                                                   |                                                                                   | 185                                                                               | 136                                                                                | 13                                                                                        | 748/602053 |                                                                                                 |
|                                                                                   | M 20                                                                              | 190                                                                               | 139                                                                                | 16                                                                                        | 748/602063 |                                                                                                 |
|                                                                                   | M 24                                                                              | 220                                                                               | 167                                                                                | 19                                                                                        | 748/602073 |                                                                                                 |
| Part. 749                                                                         |                                                                                   |                                                                                   |                                                                                    |                                                                                           |            |                                                                                                 |
|  | M 16                                                                              | 190                                                                               | 136                                                                                | 13                                                                                        | 749/602093 | 25000                                                                                           |
|                                                                                   | M 20                                                                              | 195                                                                               | 139                                                                                | 16                                                                                        | 749/602103 |                                                                                                 |
|                                                                                   | M 24                                                                              | 225                                                                               | 167                                                                                | 19                                                                                        | 749/602113 |                                                                                                 |

- Material : footplate in stainless steel AISI 304. Spindle in stainless steel AISI 303. Anti-slip in vulcanized NBR rubber (white-grey), 75 Shore.
- Packaging : 8 pieces.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

## Accessories

Nut + Washer



|     | Code   | Stainless steel<br>AISI 304 | h<br>mm | <br>mm | ØD<br>mm | s<br>mm |
|-----|--------|-----------------------------|---------|-------------------------------------------------------------------------------------------|----------|---------|
| M16 | 630212 |                             | 13      | 24                                                                                        | 30       | 3       |
| M20 | 630222 |                             | 16      | 30                                                                                        | 37       | 3       |
| M24 | 630232 |                             | 19      | 36                                                                                        | 44       | 4       |

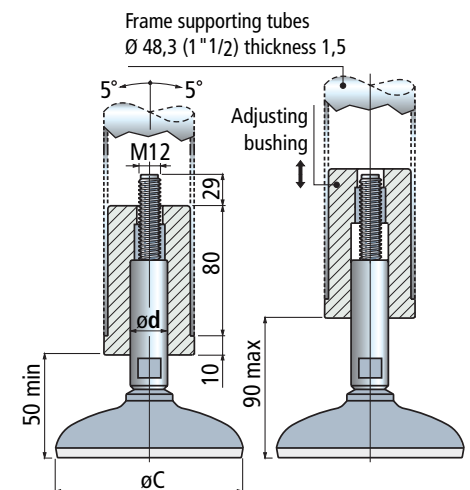
Packaging : 8 pieces.

## Part. 750-751-752

*New  
Product*

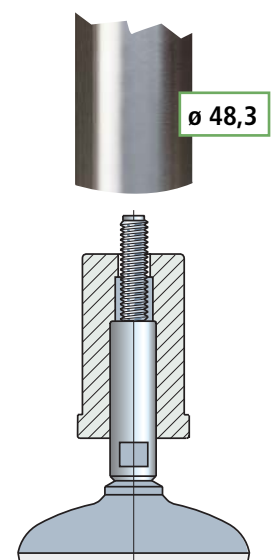
| $\varnothing$ C<br>mm                                                                                  | <br>$\varnothing$ d<br>(mm) | <br>mm | Code       | $F_{max}$ (N)<br> |
|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------|
| Part. 750                                                                                              |                                                                                                              |                                                                                         |            |                                                                                                     |
| <br>$\varnothing$ 80  | 16                                                                                                           | 13                                                                                      | 750/602123 | 12000                                                                                               |
|                                                                                                        | 20                                                                                                           | 16                                                                                      | 750/602133 |                                                                                                     |
| Part. 751                                                                                              |                                                                                                              |                                                                                         |            |                                                                                                     |
| <br>$\varnothing$ 100 | 16                                                                                                           | 13                                                                                      | 751/602143 | 12000                                                                                               |
|                                                                                                        | 20                                                                                                           | 16                                                                                      | 751/602153 |                                                                                                     |
| Part. 752                                                                                              |                                                                                                              |                                                                                         |            |                                                                                                     |
| <br>$\varnothing$ 120 | 16                                                                                                           | 13                                                                                      | 752/602163 | 12000                                                                                               |
|                                                                                                        | 20                                                                                                           | 16                                                                                      | 752/602173 |                                                                                                     |

- Material : footplate in stainless steel AISI 304. Spindle in stainless steel AISI 304. Anti-slip in vulcanized NBR rubber (white-grey), 75 Shore. Adjusting bushing in reinforced polyamide PAFV (white) with Microban®. Threaded bushing in nickel plated brass.
- Packaging : 8 pieces.
- On request different length.
- Fmax. = maximum applicable load in static conditions.



### Assembly

Can be used with  
frame supporting tubes  
dia. 48,3 mm (1"1/2),  
thickness 1,5 mm.



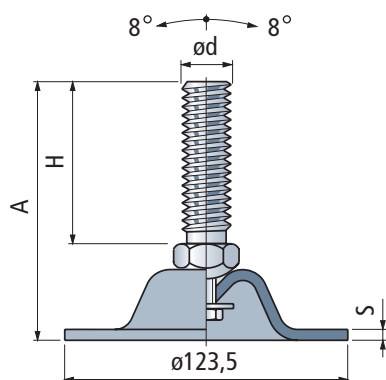


# Part. 351



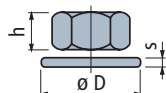
|  | Spindle types |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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- Packaging : 8 pieces.
- On request different length.
- Fmax. = maximum applicable load in static conditions.



## Accessories

### Nut + Washer



|     | Code                     |                   | h mm | s mm | øD mm | s mm |
|-----|--------------------------|-------------------|------|------|-------|------|
|     | Stainless steel AISI 304 | Zinc plated steel |      |      |       |      |
| M16 | 630212                   | 630142            | 13   | 24   | 30    | 3    |
| M20 | 630222                   | 630152            | 16   | 30   | 37    | 3    |
| M24 | 630232                   | 630162            | 19   | 36   | 44    | 4    |
| M30 | 630242                   | 630172            | 24   | 46   | 56    | 4    |

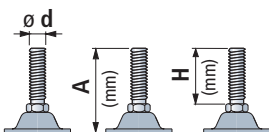
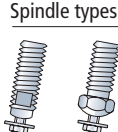
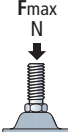
Packaging : 8 pieces.

## Part.441 - with 2 fixing holes

|                    |    |    | Spindle types |  |  |  |  |  |  |
|--------------------|----|----|---------------|--|--|--|--|--|--|
| $\varnothing$ hole | Df | S  |               |  |  |  |  |  |  |
| mm                 | mm | mm |               |  |  |  |  |  |  |
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- Packaging : 8 pieces.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

## Part.349 - with 4 fixing holes

|                                                                                   |                    |         |                                                                                   | Spindle types                                                                     |    |      |                                                                                    |            |       |
|-----------------------------------------------------------------------------------|--------------------|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|------|------------------------------------------------------------------------------------|------------|-------|
|  | Ø hole<br>Df<br>mm | S<br>mm |  |  | mm | Code |  |            |       |
| Footplate and spindle in stainless steel                                          |                    |         |                                                                                   |                                                                                   |    |      |                                                                                    |            |       |
| M 16                                                                              | 185                | 148     | 9                                                                                 | 3                                                                                 | -  | 12   | 22                                                                                 | 349/682721 | 6000  |
| M 20                                                                              | 180                | 140     | 9                                                                                 | 3                                                                                 | -  | 12   | 22                                                                                 | 349/68165  |       |
|                                                                                   | 185                | 148     | 9                                                                                 | 3                                                                                 | -  | 12   | 22                                                                                 | 349/688121 |       |
| M 24                                                                              | 215                | 165     | 9                                                                                 | 3                                                                                 | 11 | -    | 19                                                                                 | 349/63747  |       |
| M 30                                                                              | 170                | 120     | 9                                                                                 | 3                                                                                 | 11 | -    | 27                                                                                 | 349/63757  |       |
|                                                                                   | 230                | 180     | 9                                                                                 | 3                                                                                 | 11 | -    | 27                                                                                 | 349/682741 |       |
| Footplate and spindle in zinc plated steel                                        |                    |         |                                                                                   |                                                                                   |    |      |                                                                                    |            |       |
| M 20                                                                              | 140                | 100     | 9                                                                                 | 4                                                                                 | -  | 12   | 22                                                                                 | 349/682681 | 10000 |
|                                                                                   | 180                | 140     | 9                                                                                 | 4                                                                                 | -  | 12   | 22                                                                                 | 349/65634  |       |
|                                                                                   | 250                | 210     | 9                                                                                 | 4                                                                                 | -  | 12   | 22                                                                                 | 349/64045  |       |
| M 24                                                                              | 140                | 90      | 9                                                                                 | 4                                                                                 | 11 | -    | 19                                                                                 | 349/682691 |       |
|                                                                                   | 170                | 120     | 9                                                                                 | 4                                                                                 | 11 | -    | 19                                                                                 | 349/604432 |       |
|                                                                                   | 215                | 165     | 9                                                                                 | 4                                                                                 | 11 | -    | 19                                                                                 | 349/65054  |       |
|                                                                                   | 285                | 235     | 9                                                                                 | 4                                                                                 | 11 | -    | 19                                                                                 | 349/688131 |       |
| M 30                                                                              | 170                | 120     | 9                                                                                 | 4                                                                                 | 11 | -    | 27                                                                                 | 349/65644  |       |
|                                                                                   | 230                | 180     | 9                                                                                 | 4                                                                                 | 11 | -    | 27                                                                                 | 349/682711 |       |
|                                                                                   | 305                | 250     | 9                                                                                 | 4                                                                                 | 11 | -    | 27                                                                                 | 349/688141 |       |

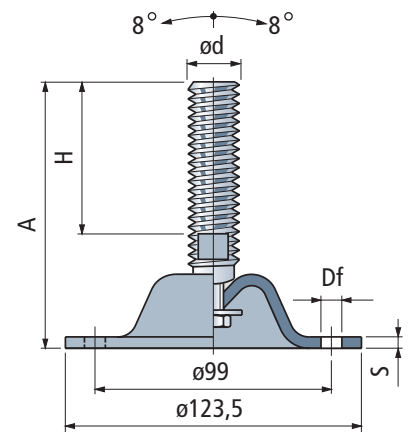
- Packaging : 8 pieces.
- On request different length.
- Fmax. = maximum applicable load in static conditions.

## Part.441-349

With 2 and 4 fixing holes

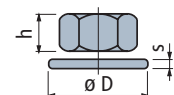


Same dimensions as Part. 351, it differs in its fixing holes.



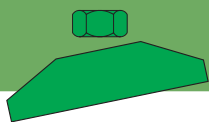
## Accessories

Nut + Washer

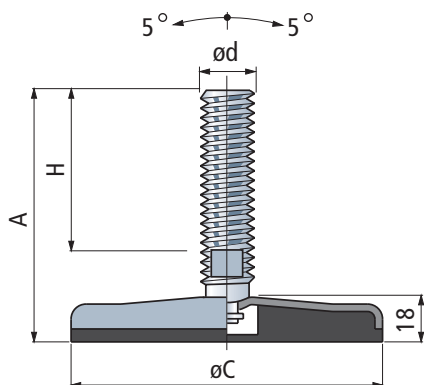


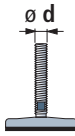
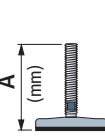
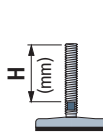
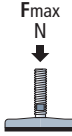
|     | Code   | Stainless steel | Zinc plated steel | h mm | øD mm | s mm |
|-----|--------|-----------------|-------------------|------|-------|------|
| M16 | 630212 | 630142          | 13                | 24   | 30    | 3    |
| M20 | 630222 | 630152          | 16                | 30   | 37    | 3    |
| M24 | 630232 | 630162          | 19                | 36   | 44    | 4    |
| M30 | 630242 | 630172          | 24                | 46   | 56    | 4    |

Packaging : 8 pieces.



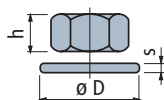
# Part. 549-546-547-548



|                                                                                     |      |  |  |  | Spindle type<br> | <br>mm | Code  | <br>Fmax<br>N |
|-------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------|
| Ø C<br>mm                                                                           |      |                                                                                   |                                                                                   |                                                                                   |                                                                                                     |                                                                                           |       |                                                                                                  |
| Part. 549                                                                           |      |                                                                                   |                                                                                   |                                                                                   |                                                                                                     |                                                                                           |       |                                                                                                  |
|    | M 12 | 75                                                                                | 44                                                                                | 13                                                                                | 10                                                                                                  | 549/632372                                                                                | 10000 |                                                                                                  |
|                                                                                     |      | 100                                                                               | 66                                                                                | 13                                                                                | 10                                                                                                  | 549/632382                                                                                |       |                                                                                                  |
|                                                                                     |      | 150                                                                               | 119                                                                               | 13                                                                                | 10                                                                                                  | 549/632392*                                                                               |       |                                                                                                  |
|                                                                                     |      | 175                                                                               | 144                                                                               | 13                                                                                | 10                                                                                                  | 549/632402*                                                                               |       |                                                                                                  |
|                                                                                     | M 16 | 75                                                                                | 47                                                                                | 13                                                                                | 13                                                                                                  | 549/632412*                                                                               |       |                                                                                                  |
|                                                                                     |      | 125                                                                               | 97                                                                                | 13                                                                                | 13                                                                                                  | 549/632422*                                                                               |       |                                                                                                  |
|                                                                                     |      | 175                                                                               | 148                                                                               | 13                                                                                | 13                                                                                                  | 549/632432                                                                                |       |                                                                                                  |
|                                                                                     |      | Part. 546                                                                         |                                                                                   |                                                                                   |                                                                                                     |                                                                                           |       |                                                                                                  |
|    | M 16 | 175                                                                               | 148                                                                               | 13                                                                                | 13                                                                                                  | 546/684791                                                                                | 10000 |                                                                                                  |
|                                                                                     | M 20 | 175                                                                               | 148                                                                               | 13                                                                                | 16                                                                                                  | 546/684811                                                                                |       |                                                                                                  |
|                                                                                     | M 24 | 205                                                                               | 165                                                                               | 13                                                                                | 19                                                                                                  | 546/684821                                                                                |       |                                                                                                  |
|                                                                                     | M 30 | 160                                                                               | 115                                                                               | 13                                                                                | 27                                                                                                  | 546/684831                                                                                |       |                                                                                                  |
|                                                                                     |      | 220                                                                               | 175                                                                               | 13                                                                                | 27                                                                                                  | 546/684841                                                                                |       |                                                                                                  |
| Part. 547                                                                           |      |                                                                                   |                                                                                   |                                                                                   |                                                                                                     |                                                                                           |       |                                                                                                  |
|   | M 16 | 175                                                                               | 148                                                                               | 13                                                                                | 13                                                                                                  | 547/684951                                                                                | 8000  |                                                                                                  |
|                                                                                     | M 20 | 175                                                                               | 148                                                                               | 13                                                                                | 16                                                                                                  | 547/684971                                                                                |       |                                                                                                  |
|                                                                                     | M 24 | 205                                                                               | 165                                                                               | 13                                                                                | 19                                                                                                  | 547/684981                                                                                |       |                                                                                                  |
|                                                                                     | M 30 | 160                                                                               | 115                                                                               | 13                                                                                | 27                                                                                                  | 547/684991                                                                                |       |                                                                                                  |
|                                                                                     |      | 220                                                                               | 175                                                                               | 13                                                                                | 27                                                                                                  | 547/685001                                                                                |       |                                                                                                  |
| Part. 548                                                                           |      |                                                                                   |                                                                                   |                                                                                   |                                                                                                     |                                                                                           |       |                                                                                                  |
|  | M 16 | 175                                                                               | 148                                                                               | 13                                                                                | 13                                                                                                  | 548/685111                                                                                | 6000  |                                                                                                  |
|                                                                                     | M 20 | 175                                                                               | 148                                                                               | 13                                                                                | 16                                                                                                  | 548/685131                                                                                |       |                                                                                                  |
|                                                                                     | M 24 | 205                                                                               | 165                                                                               | 13                                                                                | 19                                                                                                  | 548/685141                                                                                |       |                                                                                                  |
|                                                                                     | M 30 | 160                                                                               | 115                                                                               | 13                                                                                | 27                                                                                                  | 548/685151                                                                                |       |                                                                                                  |
|                                                                                     |      | 220                                                                               | 175                                                                               | 13                                                                                | 27                                                                                                  | 548/685161                                                                                |       |                                                                                                  |

## Accessories

### Nut + Washer



|     | Code   | Stainless steel<br>AISI 304 | h<br>mm | <br>mm | øD<br>mm | s<br>mm |
|-----|--------|-----------------------------|---------|-------------------------------------------------------------------------------------------|----------|---------|
| M12 | 630192 |                             | 10      | 19                                                                                        | 24       | 2,5     |
| M16 | 630212 |                             | 13      | 24                                                                                        | 30       | 3       |
| M20 | 630222 |                             | 16      | 30                                                                                        | 37       | 3       |
| M24 | 630232 |                             | 19      | 36                                                                                        | 44       | 4       |
| M30 | 630242 |                             | 24      | 46                                                                                        | 56       | 4       |

Packaging : 8 pieces.

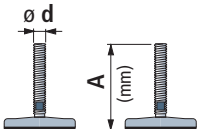
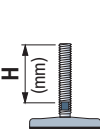
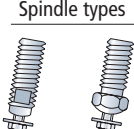
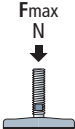
\* = Available upon request and minimum order quantity.

- Material : footplate and spindle in stainless steel AISI 303. Anti-slip in NBR rubber black ( 80 Shore ).

- Packaging : 8 pieces.

- On request different length.

- Fmax. = maximum applicable load in static conditions.

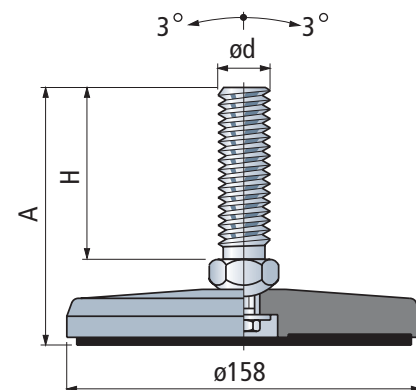
|  |     |     |  |    |    |  |       |  |  |
|-----------------------------------------------------------------------------------|-----|-----|-----------------------------------------------------------------------------------|----|----|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Spindle in stainless steel                                                        |     |     |                                                                                   |    |    |                                                                                   |       |                                                                                   |                                                                                    |
| M 16                                                                              | 180 | 148 | -                                                                                 | 12 | 22 | 408/678831                                                                        | 50000 |                                                                                   |                                                                                    |
| M 20                                                                              | 175 | 140 | -                                                                                 | 12 | 22 | 408/678841                                                                        |       |                                                                                   |                                                                                    |
|                                                                                   | 180 | 148 | -                                                                                 | 12 | 22 | 408/688211                                                                        |       |                                                                                   |                                                                                    |
| M 24                                                                              | 210 | 165 | 11                                                                                | -  | 19 | 408/678851                                                                        |       |                                                                                   |                                                                                    |
| M 30                                                                              | 165 | 120 | 11                                                                                | -  | 27 | 408/678861                                                                        |       |                                                                                   |                                                                                    |
|                                                                                   | 225 | 180 | 11                                                                                | -  | 27 | 408/678881                                                                        |       |                                                                                   |                                                                                    |
| Spindle in zinc plated steel                                                      |     |     |                                                                                   |    |    |                                                                                   |       |                                                                                   |                                                                                    |
| M 20                                                                              | 135 | 100 | -                                                                                 | 12 | 22 | 408/678761                                                                        | 50000 |                                                                                   |                                                                                    |
|                                                                                   | 175 | 140 | -                                                                                 | 12 | 22 | 408/678771                                                                        |       |                                                                                   |                                                                                    |
|                                                                                   | 245 | 210 | -                                                                                 | 12 | 22 | 408/678781                                                                        |       |                                                                                   |                                                                                    |
| M 24                                                                              | 135 | 90  | 11                                                                                | -  | 19 | 408/678791                                                                        |       |                                                                                   |                                                                                    |
|                                                                                   | 165 | 120 | 11                                                                                | -  | 19 | 408/61396                                                                         |       |                                                                                   |                                                                                    |
|                                                                                   | 210 | 165 | 11                                                                                | -  | 19 | 408/678801                                                                        |       |                                                                                   |                                                                                    |
|                                                                                   | 280 | 235 | 11                                                                                | -  | 19 | 408/688221                                                                        |       |                                                                                   |                                                                                    |
| M 30                                                                              | 165 | 120 | 11                                                                                | -  | 27 | 408/678811                                                                        |       |                                                                                   |                                                                                    |
|                                                                                   | 225 | 180 | 11                                                                                | -  | 27 | 408/678821                                                                        |       |                                                                                   |                                                                                    |
|                                                                                   | 300 | 250 | 11                                                                                | -  | 27 | 408/688231                                                                        |       |                                                                                   |                                                                                    |

- Material : footplate in painted steel yellow. Anti-slip in NBR rubber black ( 70 Shore ).

- Packaging : 4 pieces.

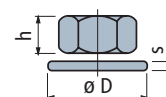
- On request different length.

- Fmax. = maximum applicable load in static conditions.



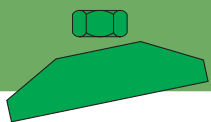
## Accessories

### Nut + Washer

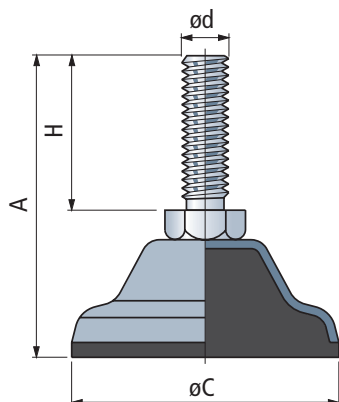


|     | Code                        |                      | h<br>mm | s<br>mm | ØD<br>mm | s<br>mm |
|-----|-----------------------------|----------------------|---------|---------|----------|---------|
|     | Stainless steel<br>AISI 304 | Zinc plated<br>steel |         |         |          |         |
| M16 | 630212                      | 630142               | 13      | 24      | 30       | 3       |
| M20 | 630222                      | 630152               | 16      | 30      | 37       | 3       |
| M24 | 630232                      | 630162               | 19      | 36      | 44       | 4       |
| M30 | 630242                      | 630172               | 24      | 46      | 56       | 4       |

Packaging : 8 pieces.



# Part. 383-384-399-385



| $\varnothing C$<br>mm | $\varnothing d$<br>mm | A<br>(mm) | H<br>(mm) | mm | Code      | Fmax<br>N |
|-----------------------|-----------------------|-----------|-----------|----|-----------|-----------|
| <b>Part. 383</b>      |                       |           |           |    |           |           |
|                       | M 8                   | 57        | 30        | 13 | 383/65426 | 7000      |
| <b>Part. 384</b>      |                       |           |           |    |           |           |
|                       | M 12                  | 90        | 50        | 19 | 384/65436 | 12000     |
| <b>Part. 399</b>      |                       |           |           |    |           |           |
|                       | M 16                  | 110       | 60        | 24 | 399/61627 | 11000     |
| <b>Part. 385</b>      |                       |           |           |    |           |           |
|                       | M 20                  | 130       | 70        | 30 | 385/65446 | 10000     |

- Material : footplate and spindle in stainless steel AISI 304. Anti-slip in Adiprene ( red ).
- Packaging : 16 pieces (for Part. 383). 8 pieces (for Part. 384-399). 4 pieces (for Part. 385).
- On request different length.
- Fmax. = maximum applicable load in static conditions.

## Characteristics

The Adiprene anti-slip element has acid resistant characteristics and resists loads occurring in heavy duty applications.

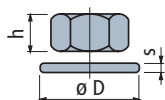
Feet to be used in humid applications, where they will be subjected to frequent cleaning with detergents, in presence of chemical products and acids and where optimum cleanliness and hygiene is required.

## Application

The food-, dairy and meat industry.  
Chemical and pharmaceutical industries.

## Accessories

### Nut + Washer



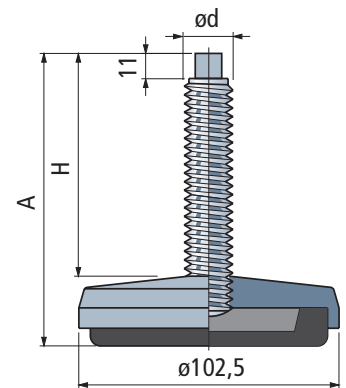
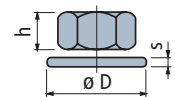
|     | Code   | h<br>mm | <br>mm | $\varnothing D$<br>mm | s<br>mm |
|-----|--------|---------|--------|-----------------------|---------|
| M8  | 654922 | 6,5     | 13     | 17                    | 1,6     |
| M12 | 630192 | 10      | 19     | 24                    | 2,5     |
| M16 | 630212 | 13      | 24     | 30                    | 3       |
| M20 | 630222 | 16      | 30     | 37                    | 3       |

Packaging : 8 pieces.

**Part. 403**

|                                     |     |     |    |           |       |
|-------------------------------------|-----|-----|----|-----------|-------|
|                                     |     |     |    |           |       |
| <b>Spindle in zinc plated steel</b> |     |     |    |           |       |
| M 16                                | 154 | 128 | 10 | 403/66604 | 50000 |

- Material : footplate in painted steel (yellow). Anti-slip in NBR rubber black ( 70 Shore ).
- Packaging : 8 pieces.
- On request different length.
- Fmax. = maximum applicable load in static conditions.


**Accessories**
**Nut + Washer**


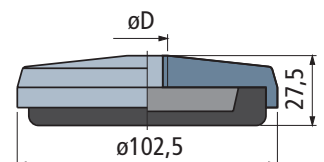
|     | Code   | Zinc plated steel | h<br>mm | mm | øD<br>mm | s<br>mm |
|-----|--------|-------------------|---------|----|----------|---------|
| M16 | 630142 |                   | 13      | 24 | 30       | 3       |

Packaging : 8 pieces.

**Part. 528**

|             |            |       |
|-------------|------------|-------|
|             |            |       |
| <b>Code</b> |            |       |
| M 16        | 528/644351 | 50000 |

- Material : footplate in painted steel (yellow). Anti-slip in NBR rubber black ( 70 Shore ).
- Packaging : 8 pieces.
- On request different length.
- Fmax. = maximum applicable load in static conditions.



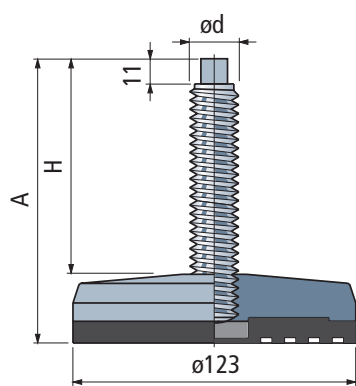


# Part.406



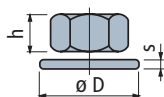
|                                     |     |     |    |           |       |
|-------------------------------------|-----|-----|----|-----------|-------|
|                                     |     |     |    | Code      |       |
| <b>Spindle in zinc plated steel</b> |     |     |    |           |       |
| M 16                                | 157 | 127 | 10 | 406/66614 | 50000 |

- Material : footplate in painted steel (yellow). Anti-slip in NBR rubber black ( 80 Shore ).
- Packaging : 8 pieces.
- On request different length.
- Fmax. = maximum applicable load in static conditions.



## Accessories

### Nut + Washer



|     | Code   | Zinc plated steel | h<br>mm | mm | Ø D<br>mm | s<br>mm |
|-----|--------|-------------------|---------|----|-----------|---------|
| M16 | 630142 |                   | 13      | 24 | 30        | 3       |

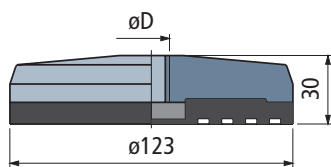
Packaging : 8 pieces.

# Part.529



|      |            |       |
|------|------------|-------|
|      | Code       |       |
| M 16 | 529/644361 | 50000 |

- Material : footplate in painted steel (yellow). Anti-slip in NBR rubber black ( 80 Shore ).
- Packaging : 8 pieces.
- On request different length.
- Fmax. = maximum applicable load in static conditions.



| ø C<br>mm        |           | A (mm) | H (mm)                 |    | Code<br>Feet in zinc<br>plated steel | Code<br>Feet in zinc plated<br>steel with yellow<br>painted base | Weight<br>Kg |
|------------------|-----------|--------|------------------------|----|--------------------------------------|------------------------------------------------------------------|--------------|
| <b>Part. 701</b> |           |        |                        |    |                                      |                                                                  |              |
| ø 80             | M 12x1,25 | 130    | 39 (min.)<br>51 (max.) | 8  | 701/63033                            | 701/63623                                                        | 0,58         |
| <b>Part. 702</b> |           |        |                        |    |                                      |                                                                  |              |
| ø 120            | M 16x1,5  | 130    | 47 (min.)<br>60 (max.) | 9  | 702/63043                            | 702/63633                                                        | 1,40         |
| <b>Part. 703</b> |           |        |                        |    |                                      |                                                                  |              |
| ø 160            | M 20x1,5  | 183    | 54 (min.)<br>69 (max.) | 12 | 703/63053                            | 703/63643                                                        | 2,80         |

- Packaging : 8 pieces (for Part. 701-702), 4 pieces (for Part. 703).
- Characteristics : specially designed to absorb vibrations and shocks in both horizontal and vertical directions. Accurate height adjustment. High adhesion to the floor.
- Application : cutting-and bending machines for sheet metal. Injection molding machines for plastics. Lathes, cutting-and grinding machines. Machines for the textile and printing industry.

| Table<br>1                                                            |           | Load applied per foot (Kgf) |           |      |      |      |      |
|-----------------------------------------------------------------------|-----------|-----------------------------|-----------|------|------|------|------|
|                                                                       |           | min.                        | max.      | min. | max. | min. | max. |
| Min. rotation (rpm) or min. strokes/min                               | Part. 701 | Part. 702                   | Part. 703 |      |      |      |      |
|                                                                       | Part. 701 | Part. 702                   | Part. 703 |      |      |      |      |
| 100                                                                   | 85        | 360                         | 230       | 940  | 275  | 1420 |      |
| 120                                                                   | 85        | 210                         | 230       | 600  | 275  | 900  |      |
| 140                                                                   | 85        | 180                         | 230       | 560  | 275  | 820  |      |
| 160                                                                   | 85        | 120                         | 230       | 350  | 275  | 560  |      |
| 180                                                                   | 85        | 95                          | 230       | 290  | 275  | 440  |      |
| 200                                                                   |           |                             | 230       | 260  | 275  | 320  |      |
| 220                                                                   |           |                             |           |      | 275  | 305  |      |
| <b>Zone of resonance</b><br>(do not use vibration absorbing elements) |           |                             |           |      |      |      |      |
| 1200                                                                  | 475       | 525                         | 1140      | 1260 | 1710 | 1890 |      |
| 1400                                                                  | 400       | 525                         | 1040      | 1260 | 1650 | 1890 |      |
| 1600                                                                  | 320       | 525                         | 810       | 1260 | 1340 | 1890 |      |
| 1800                                                                  | 240       | 525                         | 640       | 1260 | 1080 | 1890 |      |
| 2000                                                                  | 180       | 525                         | 490       | 1260 | 800  | 1890 |      |
| 2200                                                                  | 140       | 525                         | 440       | 1260 | 700  | 1890 |      |
| 2400                                                                  | 120       | 525                         | 380       | 1260 | 640  | 1890 |      |
| 2600                                                                  | 100       | 525                         | 300       | 1260 | 560  | 1890 |      |
| 2800                                                                  |           |                             | 240       | 1260 | 420  | 1890 |      |
| 3000                                                                  |           |                             | 200       | 1260 | 400  | 1890 |      |
| 3500                                                                  |           |                             |           |      | 300  | 1890 |      |

### Examples of selection

#### 1) Support for a lathe

- Given data: - Weight of the lathe: 2200 Kg.  
- Minimum speed : 140 rpm.  
- Quantity of feet : 4.

Selection: the load on each foot is

$$\frac{2200}{4} = 550 \text{ Kgf}$$

According to table 1 Part. 702 should be taken.

#### 1) Supports for a metal press

- Given data: - Weight of the press : 3900 Kg.  
- Min. number of shocks : 120 strokes/min.  
- Quantity of feet : 6.

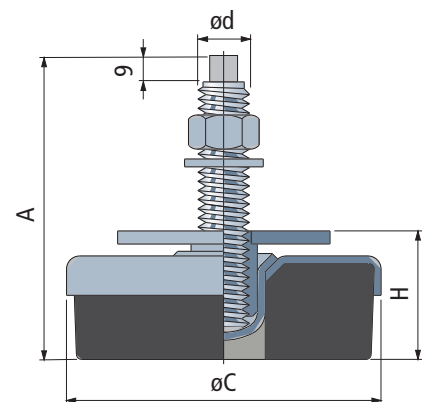
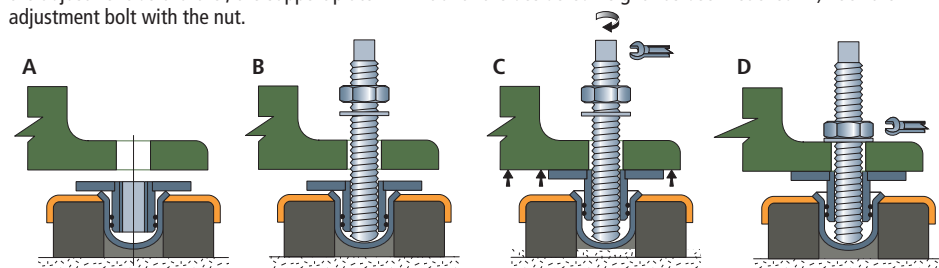
Selection: the load on each foot is

$$\frac{3900}{6} = 650 \text{ Kgf}$$

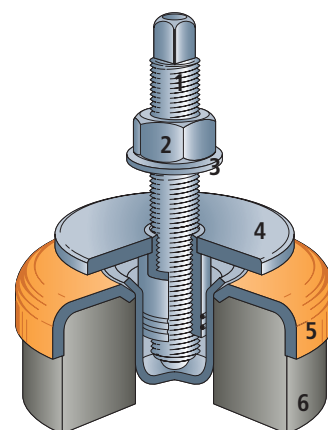
According to table 1 Part. 703 should be taken.

### Mounting instructions

A) Lift the machine. Position the footplate. B) Mount the adjustment bolt with the nut and washer. C) By turning the adjustment bolt further, the support plate will lift until the desired height has been reached. D) Lock the adjustment bolt with the nut.

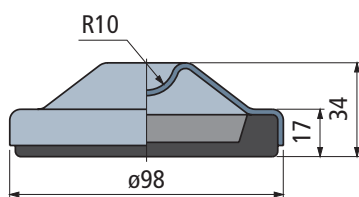


### Components of the feet



- 1 - Adjustment bolt. Fine thread
- 2 - Locking nut. UNI 5588 - 65.
- 3 - Washer UNI 6592 - 69. DIN 125 A.
- 4 - Support plate. Adjustable in height.
- 5 - Reinforcement plate.
- 6 - Anti-slip in NBR rubber black ( 80 Shore).

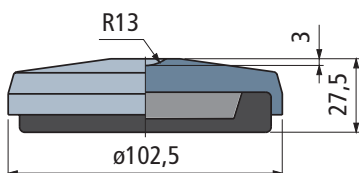
## Part. 230



| Material                 | Code      |  |
|--------------------------|-----------|-------------------------------------------------------------------------------------|
| Stainless steel AISI 304 | 230/62611 | 10000                                                                               |
| Nickel plated steel      | 230/62621 | 8000                                                                                |

- Anti-slip material : NBR rubber black (70 Shore).
- Packaging : 8 pieces.
- Fmax. = maximum applicable load in static conditions.

## Part. 404



| Material               | Code      |  |
|------------------------|-----------|---------------------------------------------------------------------------------------|
| Painted steel (yellow) | 404/66624 | 50000                                                                                 |

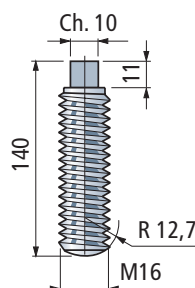
- Anti-slip material : NBR rubber black (70 Shore).
- Packaging : 8 pieces.
- Fmax. = maximum applicable load in static conditions.

### Accessories

## Part. 407

### Spindle

- Code : 407 / 66594.
- Material : zinc plated steel.
- Packaging : 32 pieces.



| Material                             | Code    | F <sub>max</sub><br>N |
|--------------------------------------|---------|-----------------------|
| PVC rubber black (with steel insert) | 55/5151 | 6000                  |

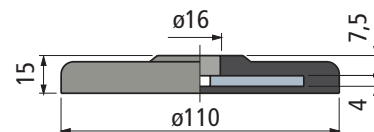
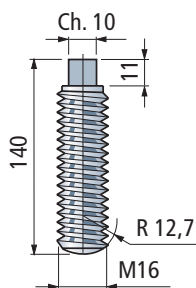
- Rubber hardness : 50 Shore.
- Packaging : 25 pieces.
- F<sub>max</sub>. = maximum applicable load in static conditions

## Accessories

### Part. 407

#### Spindle

- Code : 407 / 66594.
- Material : zinc plated steel.
- Packaging : 32 pieces.



| Material                                         | Code      | F <sub>max</sub><br>N |
|--------------------------------------------------|-----------|-----------------------|
| NBR rubber black with steel insert (red painted) | 187/55421 | 20000                 |

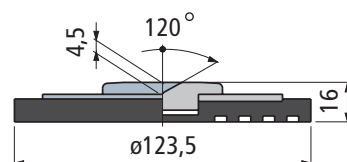
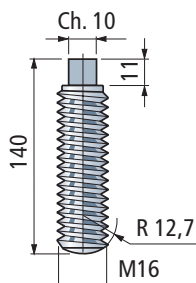
- Rubber hardness : 80 Shore.
- Bearing disc in nickel plated steel.
- Packaging : 8 pieces.
- F<sub>max</sub>. = maximum applicable load in static conditions

## Accessories

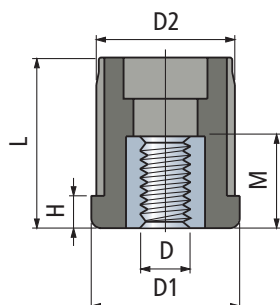
### Part. 407

#### Spindle

- Code : 407 / 66594.
- Material : zinc plated steel.
- Packaging : 32 pieces.



## Part. 180



### Assembly

Pressure fitted.  
Interference fit.



Tube dimensions

| Tube dimensions    |                 |                   | Thread<br>D | D1<br>mm | D2<br>mm | H<br>mm | L<br>mm | M<br>mm    | Code | Fmax<br>N<br>↓ |      |      |
|--------------------|-----------------|-------------------|-------------|----------|----------|---------|---------|------------|------|----------------|------|------|
| Outside dia.<br>mm | Thickness<br>mm | Inside dia.<br>mm |             |          |          |         |         |            |      |                |      |      |
| 26,9               | 3/4             | 1,5               | 23,9        | M12      | 27       | 24      | 6       | 30         | 19   | 180/63128      | 3000 |      |
| 30                 | —               | 1                 | 28          | M10      | 30       | 28,4    | 6       | 34         | 19   | 180/61606      | 3000 |      |
|                    |                 |                   |             | M12      | 30       | 28,4    | 6       | 34         | 19   | 180/63766      |      |      |
| 33,7               | 1               | 1,5               | 30,7        | M12      | 34       | 31      | 6       | 35         | 19   | 180/63118      | 3000 |      |
| 38                 | —               | 1,5               | 35          | M10      | 37,5     | 35,5    | 9       | 44         | 19   | 180/68572      | 5000 |      |
|                    |                 |                   |             | M16      | 37,5     | 35,5    | 9       | 44         | 24   | 180/63061      |      |      |
| 42,4               | 1 1/4           | 1,5               | 39,4        | M16      | 44,5     | 39,6    | 9       | 42         | 24   | 180/63071      | 8000 |      |
|                    |                 |                   |             | M20      | 44,5     | 39,6    | 9       | 42         | 30   | 180/52691      |      |      |
| 48,3               | 1 1/2           | 1,5               | 45,3        | M16      | 48       | 45,5    | 10      | 52         | 24   | 180/63081      | 5000 |      |
|                    |                 |                   |             | M20      | 48       | 45,5    | 10      | 52         | 30   | 180/58631      | 8000 |      |
| 50                 | —               | 3                 | 42,3        | M16      | 48       | 42,6    | 10      | 52         | 24   | 180/616592     | 5000 |      |
|                    |                 |                   |             | M10      | 50       | 47,5    | 10,5    | 56         | 19   | 180/682812     | 3000 |      |
|                    |                 | M12               | 50          | 47,5     | 10,5     | 56      | 19      | 180/682822 |      |                |      |      |
|                    |                 | 1,5               | 47          | M14      | 50       | 47,5    | 10,5    | 56         | 24   | 180/682832     | 5000 |      |
|                    |                 |                   |             | M16      | 50       | 47,5    | 10,5    | 56         | 24   | 180/682842     | 5000 |      |
|                    |                 |                   |             | M20      | 50       | 47,5    | 10,5    | 56         | 30   | 180/682852     | 8000 |      |
|                    |                 |                   |             | M10      | 50       | 46,5    | 10,5    | 56         | 19   | 180/682862     | 3000 |      |
|                    |                 | 2                 | 46          | M12      | 50       | 46,5    | 10,5    | 56         | 19   | 180/682872     |      |      |
|                    |                 |                   |             | M14      | 50       | 46,5    | 10,5    | 56         | 24   | 180/682882     | 5000 |      |
|                    |                 |                   |             | M16      | 50       | 46,5    | 10,5    | 56         | 24   | 180/682892     | 5000 |      |
| M20                | 50              |                   |             | 46,5     | 10,5     | 56      | 30      | 180/682902 | 8000 |                |      |      |
| 54                 | —               | 2                 | 50          | M16      | 54       | 50,8    | 10      | 62         | 24   | 180/647081     | 5000 |      |
|                    |                 |                   |             | M20      | 54       | 50,8    | 10      | 62         | 30   | 180/649801     | 8000 |      |
| 60,3               | 2               | 1,5               | 57,3        | M16      | 60       | 58      | 10      | 62         | 24   | 180/65154      | 5000 |      |
|                    |                 |                   |             | M16      | 60       | 58      | 10      | 49         | 24   | 180/607241     |      |      |
|                    |                 |                   |             | M20      | 60       | 58      | 10      | 62         | 30   | 180/65164      |      | 8000 |
|                    |                 | 2                 | 56,3        | M16      | 60       | 57      | 10      | 62         | 24   | 180/65174      | 5000 |      |
|                    |                 |                   |             | M20      | 60       | 57      | 10      | 62         | 30   | 180/65184      | 8000 |      |
|                    |                 | 2,5               | 55,3        | M16      | 60       | 56      | 10      | 62         | 24   | 180/65194      | 5000 |      |
| M20                | 60              |                   |             | 56       | 10       | 62      | 30      | 180/65204  | 8000 |                |      |      |
| 80                 | —               | 2                 | 76          | M14      | 80       | 76,5    | 10,5    | 90         | 24   | 180/682912     | 5000 |      |
|                    |                 |                   |             | M16      | 80       | 76,5    | 10,5    | 90         | 24   | 180/682922     |      |      |
|                    |                 |                   |             | M20      | 80       | 76,5    | 10,5    | 90         | 30   | 180/682932     |      |      |
|                    |                 |                   |             | M24      | 80       | 76,5    | 10,5    | 90         | 28   | 180/682942     |      | 8000 |
|                    |                 | 3                 | 74          | M14      | 80       | 74,5    | 10,5    | 90         | 24   | 180/682952     | 5000 |      |
|                    |                 |                   |             | M16      | 80       | 74,5    | 10,5    | 90         | 24   | 180/682962     |      |      |
|                    |                 |                   |             | M20      | 80       | 74,5    | 10,5    | 90         | 30   | 180/682972     |      |      |
|                    |                 |                   |             | M24      | 80       | 74,5    | 10,5    | 90         | 28   | 180/682982     |      |      |

- Material : bushing in reinforced polyamid PA FV ( black ). Threaded insert in nickel plated brass.
- Packaging : 50 pieces (codes 63128 - 63118 : 60 pieces ). Version dia. 80 mm : 25 pieces.
- Fmax. = maximum applicable load in static conditions.

Tube dimensions B.S.I.

| tube dimensions B.S.I. |      |                   |      |                   |             |          |          |         |         | Fmax<br>N<br>↓ |                         |      |
|------------------------|------|-------------------|------|-------------------|-------------|----------|----------|---------|---------|----------------|-------------------------|------|
| Outside dia.<br>Inch   | mm   | Thickness<br>Inch | mm   | Inside dia.<br>mm | Thread<br>D | D1<br>mm | D2<br>mm | H<br>mm | L<br>mm |                | M<br>mm                 | Code |
| 1,5"                   | 38,1 | 0,065"            | 1,65 | 34,8              | 3/8"-16     | 37,5     | 35,5     | 9       | 44      | 19             | 180/672211 <sup>•</sup> | 5000 |
|                        |      |                   |      |                   | 1/2"-13     | 37,5     | 35,5     | 9       | 44      | 19             | 180/59191 <sup>•</sup>  |      |
|                        |      |                   |      |                   | 5/8"-11     | 37,5     | 35,5     | 9       | 44      | 24             | 180/59211 <sup>•</sup>  |      |
| 2"                     | 50,8 | 0,065"            | 1,65 | 47,5              | 3/8"-16     | 50       | 48,4     | 10      | 56      | 19             | 180/672221 <sup>•</sup> | 5000 |
|                        |      |                   |      |                   | 1/2"-13     | 50       | 48,4     | 10      | 56      | 19             | 180/61681 <sup>•</sup>  |      |
|                        |      |                   |      |                   | 5/8"-11     | 50       | 48,4     | 10      | 56      | 24             | 180/59221 <sup>•</sup>  | 8000 |
|                        |      |                   |      |                   | 3/4"-10     | 50       | 48,4     | 10      | 56      | 30             | 180/59201 <sup>•</sup>  |      |
|                        |      |                   |      |                   | M16         | 50       | 48,4     | 10      | 56      | 24             | 180/668191 <sup>•</sup> |      |

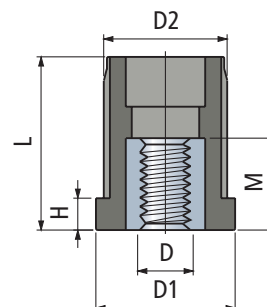
- \* = Available upon request and minimum order quantity.
- Material : bushing in reinforced polyamid PA FV ( black ). Threaded insert in nickel plated brass.
- Packaging : 50 pieces.
- Fmax. = maximum applicable load in static conditions.

| Metric tube dimensions |                 |              | Thread<br>D | D1<br>mm | D2<br>mm | H<br>mm | L<br>mm | M<br>mm | Code       | F <sub>max</sub><br>N<br>↓ |
|------------------------|-----------------|--------------|-------------|----------|----------|---------|---------|---------|------------|----------------------------|
| Outside<br>mm          | Thickness<br>mm | Inside<br>mm |             |          |          |         |         |         |            |                            |
| 30                     | 1,5             | 27           | M10         | 30       | 27,5     | 6       | 33      | 19      | 224/68182  | 5000                       |
|                        |                 |              | M12         | 30       | 27,5     | 6       | 33      | 19      | 224/63932  |                            |
|                        |                 |              | M14         | 30       | 27,5     | 6       | 33      | 24      | 224/63942  |                            |
|                        |                 |              | M16         | 30       | 27,5     | 6       | 33      | 24      | 224/63952  |                            |
|                        | 2               | 26           | M10         | 30       | 26,5     | 6       | 33      | 19      | 224/673492 |                            |
|                        |                 |              | M12         | 30       | 26,5     | 6       | 33      | 19      | 224/673502 |                            |
|                        |                 |              | M14         | 30       | 26,5     | 6       | 33      | 24      | 224/673512 |                            |
|                        |                 |              | M16         | 30       | 26,5     | 6       | 33      | 24      | 224/673522 |                            |
| 35                     | 1,5             | 32           | M12         | 30       | 25,5     | 6       | 33      | 19      | 224/69695* | 8000                       |
|                        |                 |              | M10         | 35       | 32,5     | 8       | 43      | 19      | 224/63243  |                            |
|                        |                 |              | M12         | 35       | 32,5     | 8       | 43      | 19      | 224/63253  |                            |
|                        |                 |              | M14         | 35       | 32,5     | 8       | 43      | 24      | 224/63263  |                            |
|                        | 2               | 36           | M16         | 35       | 32,5     | 8       | 43      | 24      | 224/63273  |                            |
|                        |                 |              | M20         | 35       | 32,5     | 8       | 43      | 30      | 224/64663  |                            |
|                        |                 |              | M10         | 40       | 37,5     | 8       | 43      | 19      | 224/64323  |                            |
|                        |                 |              | M12         | 40       | 37,5     | 8       | 43      | 19      | 224/63882  |                            |
| 40                     | 1,5             | 37           | M14         | 40       | 37,5     | 8       | 43      | 24      | 224/63892  | 5000                       |
|                        |                 |              | M16         | 40       | 37,5     | 8       | 43      | 24      | 224/63902  |                            |
|                        |                 |              | M20         | 40       | 37,5     | 8       | 43      | 30      | 224/63922  |                            |
|                        |                 |              | M16         | 40       | 36,5     | 8       | 43      | 24      | 224/66533  |                            |
|                        | 2               | 46           | M20         | 40       | 36,5     | 8       | 43      | 30      | 224/64455  |                            |
|                        |                 |              | M16         | 50       | 47,8     | 10      | 55      | 24      | 224/68607  |                            |
|                        |                 |              | M20         | 50       | 47,5     | 10      | 55      | 30      | 224/68883  |                            |
|                        |                 |              | 3/8"-16     | 50       | 47,8     | 10      | 55      | 19      | 224/692781 |                            |
| 50                     | 1,5             | 47           | 1/2"-13     | 50       | 47,8     | 10      | 55      | 19      | 224/692791 | 8000                       |
|                        |                 |              | 5/8"-11     | 50       | 47,8     | 10      | 55      | 24      | 224/692801 |                            |
|                        |                 |              | 3/4"-10     | 50       | 47,8     | 10      | 55      | 30      | 224/692811 |                            |
|                        |                 |              | M16         | 50       | 47       | 10      | 55      | 24      | 224/617632 |                            |
|                        | 2               | 46           | M20         | 50       | 47       | 10      | 55      | 30      | 224/617642 |                            |
|                        |                 |              | M14         | 50       | 45,6     | 10      | 55      | 24      | 224/695411 |                            |
|                        |                 |              | M16         | 50       | 45,5     | 10      | 55      | 24      | 224/63051  |                            |
|                        |                 |              | M20         | 50       | 45,5     | 10      | 55      | 30      | 224/63001  |                            |

- \* = Available upon request and minimum order quantity.
- Material : bushing in reinforced polyamid PA FV ( black ). Threaded insert in nickel plated brass.
- Packaging : 50 pieces.
- F<sub>max</sub>. = maximum applicable load in static conditions.

| B.S.I. tube dimensions |                 |              | Thread<br>D | D1<br>mm | D2<br>mm | H<br>mm | L<br>mm | M<br>mm | Code        | F <sub>max</sub><br>N<br>↓ |
|------------------------|-----------------|--------------|-------------|----------|----------|---------|---------|---------|-------------|----------------------------|
| Outside<br>Inch        | Thickness<br>mm | Inside<br>mm |             |          |          |         |         |         |             |                            |
| 1,5"                   | 0,065"          | 1,65         | 3/8"-16     | 38       | 35,5     | 8       | 43      | 19      | 224/661621* | 5000                       |
|                        |                 |              | 1/2"-13     | 38       | 35,5     | 8       | 43      | 19      | 224/59231*  |                            |
|                        |                 |              | 5/8"-11     | 38       | 35,5     | 8       | 43      | 24      | 224/59251*  |                            |
|                        |                 |              | M16         | 38       | 35,5     | 8       | 43      | 24      | 224/62963*  |                            |
|                        | 0,120"          | 3,05         | 3/8"-16     | 38       | 32,6     | 8       | 43      | 19      | 224/672231* |                            |
|                        |                 |              | 1/2"-13     | 38       | 32,6     | 8       | 43      | 19      | 224/61422*  |                            |
|                        |                 |              | 5/8"-11     | 38       | 32,6     | 8       | 43      | 24      | 224/61432*  |                            |
|                        |                 |              | 3/4"-10     | 38       | 32,6     | 8       | 43      | 30      | 224/661631* |                            |
| 2"                     | 0,109"          | 2,77         | 3/8"-16     | 50       | 45,6     | 10      | 55      | 19      | 224/672241* | 8000                       |
|                        |                 |              | 1/2"-13     | 50       | 45,6     | 10      | 55      | 19      | 224/61691*  |                            |
|                        |                 |              | 5/8"-11     | 50       | 45,6     | 10      | 55      | 24      | 224/59261*  |                            |
|                        |                 |              | 3/4"-10     | 50       | 45,6     | 10      | 55      | 30      | 224/59241*  |                            |

- \* = Available upon request and minimum order quantity.
- Material : bushing in reinforced polyamid PA FV ( black ). Threaded insert in nickel plated brass.
- Packaging : 50 pieces.
- F<sub>max</sub>. = maximum applicable load in static conditions.



## Assembly

Pressure fitted.  
Interference fit.





## SQUARE FLANGE BEARING

Page B06-B15



## OVAL FLANGE BEARING

Page B16-B25



## PILLOW BLOCK BEARING

Page B26-B29



## COMPACT PILLOW BLOCK BEARING

Page B30-B33



## **SIDE FLANGE BEARING**

Page B34-B37



## **TAKE-UP BEARING**

Page B38-B41



## **ROUND FLANGE BEARING**

Page B42-B49



## **TECHNICAL INFORMATION**

Technical Informations see pages B51-B61

## SQUARE FLANGE BEARING

**UCF/CL - HCF/CL**  
*Lubricated for life*

LUBRICATED  
FOR LIFE



Dry use recommended



B08

**UCF/C - HCF/C**  
*New version for shaft dia. 45-50  
( 102 mm interaxis )*



B06

**UCF - HCF**  
*New version for shaft dia. 45-50  
( 102 mm interaxis )*



B10

**F**  
*New version for shaft dia. 40 mm  
( 102 mm interaxis )*



B14

## COMPACT PILLOW BLOCK

**UCPA/C - HCPA/C**



B30

**UCPA - HCPA**



B32

## OVAL FLANGE BEARING

**UCFL/CL - HCFL/CL**  
Lubricated for life

LUBRICATED  
FOR LIFE



Dry use recommended



B18

**UCFL/C - HCFL/C**  
New version for shaft dia. 17 mm  
( 90 mm interaxis )



B16

**UCFL - HCFL**  
New version for shaft dia. 17 mm  
( 90 mm interaxis )



B20

## SIDE FLANGE BEARING

**UCFB/C - HCFB/C**  
New version for shaft dia. 20-40



B34

**UCFB - HCFB**  
New version for shaft dia. 20-40



B36

# Microban®

antibacterial protection



## Bearings with Microban® antibacterial protection

### Effective function

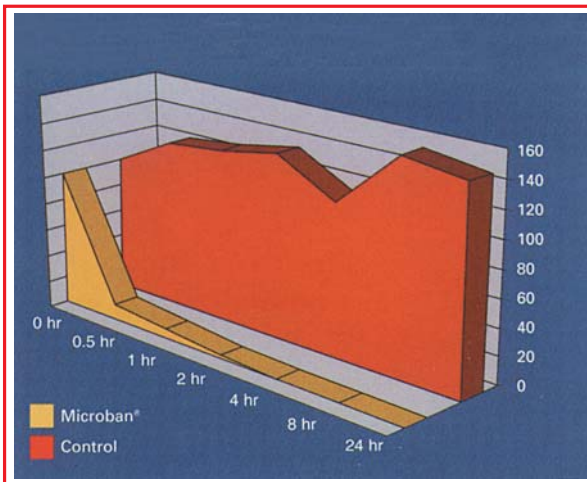
Microban® material is effective against the most common bacteria that may affect food and cause a number of contamination and bad smells in the like of Escherichia Coli 0157, Salmonella, Listeria, S-Aureus, Campylobacter. The material is not meant to substitute the common hygienic norms of cleaning routines, offering additional protection in the regular plants cleaning cycle contest.

### Long lasting effectiveness

Lab test have clearly demonstrated that Microban® maintains its effective peculiarities for its entire life cycle.

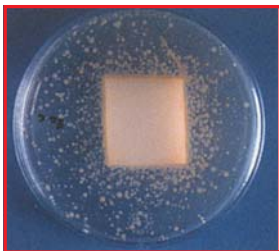
### Safe functionality

Microban® has been approved for use in direct contact with edible organic foods by the Scientific Committee for Food (SCF) of the EU. In United States the Environment Protection Agency has approved its application in the transfer chains processes.

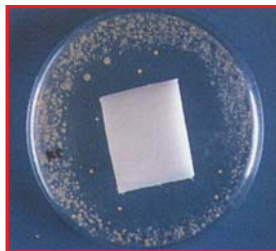


◀ Bacteria E.Coli in Microban® plastic compound compared to identical untreaded plastic

With Microban®  
absence of bacteria on and  
▼ around the product



◀ Without Microban® protection, growth of bacteria on and around the product



## Solid flange bearings

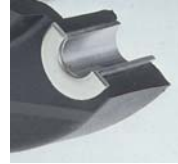
Square and oval flange bearings are also available in the closed surface version of the flange structure, an ideal solution for maximum sanitification.



- Overall dimensions of self-aligning bearings are in accordance with ISO 3228 standards
- All self-aligning bearings are interchangeable with their correspondent cast iron versions

**ISO  
3228**

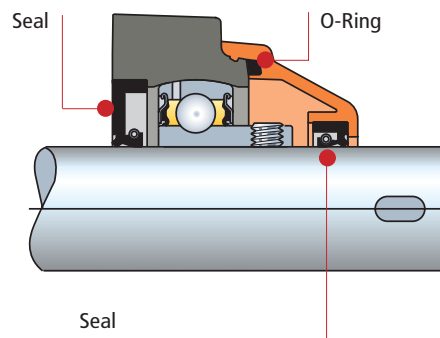
- Self-aligning bearings are equipped with stainless steel AISI 304/316 bushes to reinforce mounting holes
- The reinforcing bushings avoid damages to the plastic flange during screw tightening



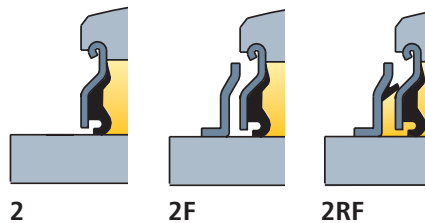
- Only best quality glass fibre reinforced polyamide PAFV/polypropylene PPFV thermoplastic resins are used for the self-aligning housings
- The resins used guarantee high resistance to oxidation and corrosion and at the same time equal the strength offered by cast iron housings. They offer a better resistance to impact
- Polyamide PAFV resins offer maximum heat and mechanical resistance
- Polypropylene PPFV resins offer maximum resistance to chemical agents



- A system of waterproof seals protects the bearing from external environment
- Protection from dust, humidity, washouts, chemical agents
- The clip-on protection cover allows inspection of the bearing



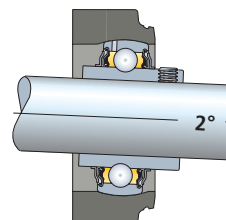
- Self-aligning bearings are equipped with ball bearings featuring multipurpose sealing systems.
- 2-Superagriseal unit. The system consists of a metallic ring fitted with a low friction rubber sealing lip
- 2F-Superagriseal unit + centrifuging ring. The system is further equipped with a metallic protection ring providing a centrifugal sealing action.
- 2RF-Superagriseal unit + rubberised centrifuging ring. This system is used in stainless steel bearings. The upper lip of the centrifuging ring together with the grease trapped between the base seal and the ring itself guarantees maximum sealing capacity.



- Waterproof self-aligning bearings feature seals for the protection against external environment
- Viton rubber seals ensure maximum resistance to chemical agents



- All bearings are self-aligning, capable of compensating misalignments up to 2°



## ISO dimensions

## Fixing bushes

## Thermoplastic resins

## Waterproof housing

## Bearing seals

## Support seals

## Misalignment



# Square flange bearing units

## UCF/C-HCF/C



### Material

#### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Protection cover in polypropylene PP (orange) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304

#### PAFV polyamide housing with Microban®

Housing in reinforced polyamide PAFV resin (grey) with Microban® • Protection cover in polypropylene PP (red) with Microban® • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304

#### PPFV polypropylene housing with Microban®

Housing in reinforced polypropylene PPFV resin (white) with Microban® • Protection cover in polypropylene PP (red) with Microban® • Seal and O-Ring in NBR rubber (black). On request supplied in Viton rubber (brown). Viton material offers high resistance to chemical agents • Ball type stainless steel AISI 316 greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 316.

### Continuous operating temperature

in air : - 20 to + 60°C.

### Maximum allowed misalignment: 2°

### Bearing



Series YAT (grub screws shaft locking) • Series YET (eccentric collar shaft locking) • Chrome alloy steel • Superagriseal unit • Prelubricated with lithium/ calcium grease • Can be relubricated

### Quick coupler for remote lubrication (accessory)



Code : 67843.

The system foresees semirigid dia. 4 mm tubes made out of Rilsan/Nylon. The tubes are connected to the joints by means of rapid graft. Material nickel plated brass. Dimension : 1/8 Gas.

- **Waterproof housing**
- **Grub screws or eccentric collar shaft locking**
- **PAFV polyamide housing**  
High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents.
- **PPFV polypropylene housing**  
Proof to highly aggressive chemical agents. Inferior loading ability.
- **Solid flange bearings**  
They differ from standard flange versions for their closed surface structure, ideal for sanitation.
- **Supports with Microban® antibacterial protection**  
Microban® material is effective against the most common bacteria that may grow in foodstuff like E. Coli, Salmonella, Listeria, S-Aureus, Campylobacter.



### Loads

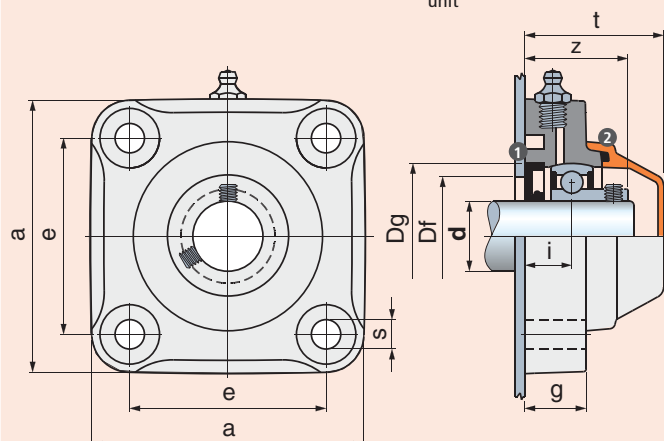
| Shaft dia.<br>d<br>mm | Bearing load     |                  |                                    | Bearing unit max. static load |            |            |            |
|-----------------------|------------------|------------------|------------------------------------|-------------------------------|------------|------------|------------|
|                       | Load coefficient |                  | Max. axial load <sup>1)</sup><br>N |                               |            |            |            |
|                       | dyn.1)<br>C<br>N | stat.<br>Co<br>N |                                    | PA FV<br>N                    | PP FV<br>N | PA FV<br>N | PP FV<br>N |
| 25                    | 14000            | 7800             | 2800                               | 19550                         | 13800      | 20700      | 11500      |
| 25*                   | 14000            | 7800             | 2800                               | —                             | —          | —          | —          |
| 30                    | 19500            | 11200            | 3900                               | 19550                         | 13800      | 20700      | 11500      |
| 35                    | 25500            | 15300            | 5100                               | 20700                         | 13800      | 25300      | 13800      |
| 35*                   | 25500            | 15300            | 5100                               | 19550                         | 13800      | 20700      | 11500      |
| 40                    | 30700            | 19000            | 6140                               | 20700                         | 14375      | 25300      | 13800      |
| 40*                   | 30700            | 19000            | 6140                               | 19550                         | 13800      | 20700      | 11500      |
| 45*                   | 33200            | 21600            | 6640                               | 32000                         | 24000      | 35000      | 26000      |
| 50*                   | 35100            | 23200            | 7020                               | 32000                         | 24000      | 35000      | 26000      |

\* = Version with special fixing holes

1) = Values are valid for applications with ≤ h 6 shaft tolerance. Time 0,77 values must be considered in all other cases.

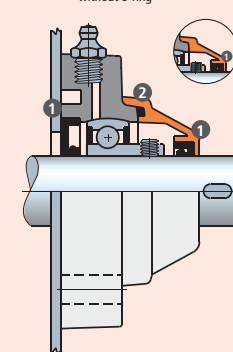
### Series UCF/C Grub screws shaft locking

Closed unit



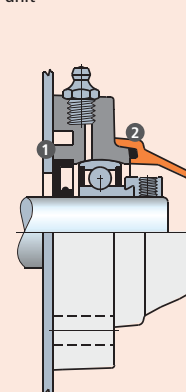
Open unit

Version dia 45-50 mm are supplied without o-ring



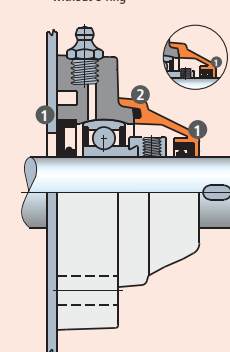
### Series HCF/C Eccentric collar shaft locking

Closed unit



Open unit

Version dia 45-50 mm are supplied without o-ring



- 1 Seal.  
2 O-Ring.

### Housing material

| dia.<br>d<br>mm                              | Series     | Polyamide<br>PA FV<br>Standard<br>Flange<br>(black)<br>Cover<br>(orange) | Polyamide<br>PA FV with<br>Microban®<br>Solid Flange<br>(grey)<br>Cover<br>(red) | Polypropylene<br>PP FV with<br>Microban®<br>Solid Flange<br>(white)<br>Cover<br>(red) | Dimension in mm |     |    |      |      |         |      |         |                 |                                | Bore in<br>frame <sup>2)</sup><br>Df |      | Weight<br>Kg | Spare parts |  |
|----------------------------------------------|------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------|-----|----|------|------|---------|------|---------|-----------------|--------------------------------|--------------------------------------|------|--------------|-------------|--|
|                                              |            | Code                                                                     | e                                                                                | a                                                                                     | s               | g   | i  | z    | t    | Dg max. | min. | Bearing | Cover<br>orange | Cover<br>red with<br>Microban® |                                      |      |              |             |  |
|                                              |            |                                                                          |                                                                                  |                                                                                       |                 |     |    |      |      |         |      |         | Code            |                                |                                      |      |              |             |  |
| Grub screws shaft locking • Closed unit      |            |                                                                          |                                                                                  |                                                                                       |                 |     |    |      |      |         |      |         |                 |                                |                                      |      |              |             |  |
| 25                                           | UCF 205 C  | 64573                                                                    | 651172                                                                           | 680932                                                                                | 70              | 98  | 11 | 22,5 | 16,8 | 36,3    | 49,5 | 52      | 50              | 45                             | YAT 205                              | 0,40 | 681952       | 681992      |  |
| 25*                                          | SUCF 205 C | 603043                                                                   | —                                                                                | —                                                                                     | 83              | 110 | 11 | 26   | 19,3 | 38,8    | 54   | 52      | 50              | 45                             | YAT 205                              | 0,50 | 681952       | —           |  |
| 30                                           | UCF 206 C  | 63112                                                                    | 651182                                                                           | 680942                                                                                | 83              | 110 | 11 | 26   | 20   | 41      | 55   | 62      | 60              | 50                             | YAT 206                              | 0,56 | 63154        | 653322      |  |
| 35                                           | UCF 207 C  | 64018                                                                    | 651192                                                                           | 680952                                                                                | 92              | 120 | 11 | 26   | 19,5 | 43      | 59   | 72      | 70              | 55                             | YAT 207                              | 0,72 | 682022       | 682042      |  |
| 35*                                          | SUCF 207 C | 680522 <sup>3)</sup>                                                     | 668982                                                                           | 680962                                                                                | 83              | 110 | 11 | 26   | 19,5 | 43      | 61   | 72      | 70              | 55                             | YAT 207                              | 0,67 | 63539        | 653342      |  |
| 40                                           | UCF 208 C  | 68916                                                                    | 651202                                                                           | 680972                                                                                | 102             | 131 | 11 | 30   | 22   | 47,3    | 65,5 | 80      | 78              | 65                             | YAT 208                              | 0,95 | 63539        | 653342      |  |
| 40*                                          | SUCF 208 C | 61819                                                                    | 651212                                                                           | 680982                                                                                | 83              | 110 | 11 | 26   | 19   | 44,3    | 66   | 80      | 78              | 65                             | YAT 208                              | 0,88 | 600882       | 653352      |  |
| 45*                                          | SUCF 209 C | 686592 <sup>3)</sup>                                                     | 686672                                                                           | 686752                                                                                | 102             | 131 | 11 | 30   | 23   | 48,8    | 73   | 85      | 83              | 75                             | YAT 209                              | 1,10 | 686972       | 686982      |  |
| 50*                                          | SUCF 210 C | 686602 <sup>3)</sup>                                                     | 686682                                                                           | 686762                                                                                | 102             | 131 | 11 | 30   | 23   | 52      | 73   | 90      | 88              | 80                             | YAT 210                              | 1,20 | 686972       | 686982      |  |
| Grub screws shaft locking • Open unit        |            |                                                                          |                                                                                  |                                                                                       |                 |     |    |      |      |         |      |         |                 |                                |                                      |      |              |             |  |
| 25                                           | UCF 205 C  | 64623                                                                    | 651272                                                                           | 680992                                                                                | 70              | 98  | 11 | 22,5 | 16,8 | 36,3    | 49,5 | 52      | 50              | 45                             | YAT 205                              | 0,40 | 681972       | 682012      |  |
| 25*                                          | SUCF 205 C | 603053                                                                   | —                                                                                | —                                                                                     | 83              | 110 | 11 | 26   | 19,3 | 38,8    | 54   | 52      | 50              | 45                             | YAT 205                              | 0,50 | 681972       | —           |  |
| 30                                           | UCF 206 C  | 63172                                                                    | 651282                                                                           | 681002                                                                                | 83              | 110 | 11 | 26   | 20   | 41      | 55   | 62      | 60              | 50                             | YAT 206                              | 0,56 | 69965        | 653442      |  |
| 35                                           | UCF 207 C  | 64028                                                                    | 651292                                                                           | 681012                                                                                | 92              | 120 | 11 | 26   | 19,5 | 43      | 59   | 72      | 70              | 55                             | YAT 207                              | 0,72 | 682032       | 682052      |  |
| 35*                                          | SUCF 207 C | 680582 <sup>3)</sup>                                                     | 668992                                                                           | 681022                                                                                | 83              | 110 | 11 | 26   | 19,5 | 43      | 61   | 72      | 70              | 55                             | YAT 207                              | 0,67 | 615692       | 669202      |  |
| 40                                           | UCF 208 C  | 68926                                                                    | 651302                                                                           | 681032                                                                                | 102             | 131 | 11 | 30   | 22   | 47,3    | 65,5 | 80      | 78              | 65                             | YAT 208                              | 0,95 | 63549        | 653462      |  |
| 40*                                          | SUCF 208 C | 61829                                                                    | 651312                                                                           | 681042                                                                                | 83              | 110 | 11 | 26   | 19   | 44,3    | 66   | 80      | 78              | 65                             | YAT 208                              | 0,88 | 600892       | 653472      |  |
| 45*                                          | SUCF 209 C | 686612 <sup>3)</sup>                                                     | 686692                                                                           | 686772                                                                                | 102             | 131 | 11 | 30   | 23   | 48,8    | 73   | 85      | 83              | 75                             | YAT 209                              | 1,10 | 686992       | 687012      |  |
| 50*                                          | SUCF 210 C | 686622 <sup>3)</sup>                                                     | 686702                                                                           | 686782                                                                                | 102             | 131 | 11 | 30   | 23   | 52      | 73   | 90      | 88              | 80                             | YAT 210                              | 1,20 | 687002       | 687022      |  |
| Eccentric collar shaft locking • Closed unit |            |                                                                          |                                                                                  |                                                                                       |                 |     |    |      |      |         |      |         |                 |                                |                                      |      |              |             |  |
| 25                                           | HCF 205 C  | 680452                                                                   | 680712                                                                           | 681052                                                                                | 70              | 98  | 11 | 22,5 | 16,8 | 40,3    | 49,5 | 52      | 50              | 45                             | YET 205                              | 0,44 | 681952       | 681992      |  |
| 25*                                          | SHCF 205 C | 603063                                                                   | —                                                                                | —                                                                                     | 83              | 110 | 11 | 26   | 19,3 | 42,8    | 54   | 52      | 50              | 45                             | YET 205                              | 0,57 | 681952       | —           |  |
| 30                                           | HCF 206 C  | 621501                                                                   | 651372                                                                           | 681062                                                                                | 83              | 110 | 11 | 26   | 20   | 46,7    | 55   | 62      | 60              | 50                             | YET 206                              | 0,63 | 63154        | 653322      |  |
| 35                                           | HCF 207 C  | 680462                                                                   | 680722                                                                           | 681072                                                                                | 92              | 120 | 11 | 26   | 19,5 | 48,9    | 59   | 72      | 70              | 55                             | YET 207                              | 0,90 | 682022       | 682042      |  |
| 35*                                          | SHCF 207 C | 680642 <sup>3)</sup>                                                     | 669022                                                                           | 681082                                                                                | 83              | 110 | 11 | 26   | 19,5 | 48,9    | 61   | 72      | 70              | 55                             | YET 207                              | 0,85 | 63539        | 653342      |  |
| 40*                                          | SHCF 208 C | 62439                                                                    | 651382                                                                           | 681092                                                                                | 83              | 110 | 11 | 26   | 19   | 51,7    | 66   | 80      | 78              | 65                             | YET 208                              | 1,07 | 600882       | 653352      |  |
| 45*                                          | SHCF 209 C | 686632 <sup>3)</sup>                                                     | 686712                                                                           | 686792                                                                                | 102             | 131 | 11 | 30   | 23   | 56      | 73   | 85      | 83              | 75                             | YET 209                              | 1,29 | 686972       | 686982      |  |
| 50*                                          | SHCF 210 C | 686642                                                                   | 686722                                                                           | 686802                                                                                | 102             | 131 | 11 | 30   | 23   | 56      | 73   | 90      | 88              | 80                             | YET 210                              | 1,39 | 686972       | 686982      |  |
| Eccentric collar shaft locking • Open unit   |            |                                                                          |                                                                                  |                                                                                       |                 |     |    |      |      |         |      |         |                 |                                |                                      |      |              |             |  |
| 25                                           | HCF 205 C  | 680472                                                                   | 680732                                                                           | 681102                                                                                | 70              | 98  | 11 | 22,5 | 16,8 | 40,3    | 49,5 | 52      | 50              | 45                             | YET 205                              | 0,44 | 681972       | 682012      |  |
| 25*                                          | SHCF 205 C | 603073                                                                   | —                                                                                | —                                                                                     | 83              | 110 | 11 | 26   | 19,3 | 42,8    | 54   | 52      | 50              | 45                             | YET 205                              | 0,57 | 681972       | —           |  |
| 30                                           | HCF 206 C  | 621481                                                                   | 651412                                                                           | 681112                                                                                | 83              | 110 | 11 | 26   | 20   | 46,7    | 55   | 62      | 60              | 50                             | YET 206                              | 0,63 | 69965        | 653442      |  |
| 35                                           | HCF 207 C  | 680482                                                                   | 680742                                                                           | 681122                                                                                | 92              | 120 | 11 | 26   | 19,5 | 48,9    | 59   | 72      | 70              | 55                             | YET 207                              | 0,90 | 682032       | 682052      |  |
| 35*                                          | SHCF 207 C | 680692 <sup>3)</sup>                                                     | 669032                                                                           | 681132                                                                                | 83              | 110 | 11 | 26   | 19,5 | 48,9    | 61   | 72      | 70              | 55                             | YET 207                              | 0,85 | 615692       | 669202      |  |
| 40*                                          | SHCF 208 C | 62449                                                                    | 651422                                                                           | 681142                                                                                | 83              | 110 | 11 | 26   | 19   | 51,7    | 66   | 80      | 78              | 65                             | YET 208                              | 1,07 | 600892       | 653472      |  |
| 45*                                          | SHCF 209 C | 686652 <sup>3)</sup>                                                     | 686732                                                                           | 686812                                                                                | 102             | 131 | 11 | 30   | 23   | 56      | 73   | 85      | 83              | 75                             | YET 209                              | 1,29 | 686992       | 687012      |  |
| 50*                                          | SHCF 210 C | 686662 <sup>3)</sup>                                                     | 686742                                                                           | 686822                                                                                | 102             | 131 | 11 | 30   | 23   | 56      | 73   | 90      | 88              | 80                             | YET 210                              | 1,39 | 687002       | 687022      |  |

\*= Version with special fixing holes

2) = Dimensions Df max / Df min must be respected to ensure positive retention of the seals and to allow air bleeding during lubrication.

3) = Solid flange

Packaging : 6 pieces.

INDICATIVE GUIDE LINES  
FOR PRODUCT AVAILABILITIES:

On stock

Please, contact our customer  
service for delivery times

On request for appropriate  
suitable quantities

# Square flange bearing units

## UCF/CL-HCF/CL

LIFE  
LUBRICATED



Dry use recommended



- **Life lubricated** The ball-bearings are pre-lubricated with a special grease keeping the bearing for its whole life. No need for re-lubrication (see page B58 to calculate the grease life)
- **Grub screws or eccentric collar shaft locking**
- **PAFV polyamide housing.** High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents.
- **PPFV polypropylene housing.** Proof to highly aggressive chemical agents. Inferior loading ability.
- **Solid flange bearings.** They differ from standard flange versions for their closed surface structure, ideal for sanification.
- **Supports with Microban® antibacterial protection**  
Microban® material is effective against the most common bacteria that may grow in foodstuff like E. Coli, Salmonella, Listeria, S-Aureus, Campylobacter.



### Material

#### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Protection cover in polypropylene PP (orange) • Seal and O-Ring in NBR rubber (black) • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304

#### PAFV polyamide housing with Microban®

Housing in reinforced polyamide PAFV resin (grey) with Microban® • Protection cover in polypropylene PP (red) with Microban® • Seal and O-Ring in NBR rubber (black) • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304

#### PPFV polypropylene housing with Microban®

Housing in reinforced polypropylene PPFV resin (white) with Microban® • Protection cover in polypropylene PP (red) with Microban® • Seal and O-Ring in NBR rubber (black). On request supplied in Viton rubber (brown). Viton material offers high resistance to chemical agents • Reinforcing bushings on mounting holes and washers in stainless steel AISI 316.

### Loads

| Shaft<br>dia.<br>d<br>mm | Bearing load                                        |                  |                               | Bearing unit max. static load                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |
|--------------------------|-----------------------------------------------------|------------------|-------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|                          | Load<br>coefficient<br>dyn. <sup>1)</sup><br>C<br>N | stat.<br>Co<br>N | Max. 1)<br>axial<br>load<br>N |  PA FV<br>N |  PP FV<br>N |  PA FV<br>N |  PA FV<br>N |
| 25                       | 14000                                               | 7800             | 2800                          | 19550                                                                                            | 13800                                                                                            | 20700                                                                                            | 11500                                                                                            |
| 25*                      | 14000                                               | 7800             | 2800                          | —                                                                                                | —                                                                                                | —                                                                                                | —                                                                                                |
| 30                       | 19500                                               | 11200            | 3900                          | 19550                                                                                            | 13800                                                                                            | 20700                                                                                            | 11500                                                                                            |
| 35                       | 25500                                               | 15300            | 5100                          | 20700                                                                                            | 13800                                                                                            | 25300                                                                                            | 13800                                                                                            |
| 35*                      | 25500                                               | 15300            | 5100                          | 19550                                                                                            | 13800                                                                                            | 20700                                                                                            | 11500                                                                                            |
| 40                       | 30700                                               | 19000            | 6140                          | 20700                                                                                            | 14375                                                                                            | 25300                                                                                            | 13800                                                                                            |
| 40*                      | 30700                                               | 19000            | 6140                          | 19550                                                                                            | 13800                                                                                            | 20700                                                                                            | 11500                                                                                            |
| 45*                      | 33200                                               | 21600            | 6640                          | 32000                                                                                            | 24000                                                                                            | 35000                                                                                            | 26000                                                                                            |
| 50*                      | 35100                                               | 23200            | 7020                          | 32000                                                                                            | 24000                                                                                            | 35000                                                                                            | 26000                                                                                            |

\* = Version with special fixing holes.

1) = Values are valid for applications with ≤ h 6 shaft tolerance. Time 0.77 values must be considered in all other cases.

### Continuous operating temperature

in air : - 20 to + 60°C.

### Maximum allowed misalignment: 2°.

### Bearing



Series YAT (grub screws shaft locking) • Series YET (eccentric collar shaft locking) • Chrome alloy steel • Superagriseal unit • Prelubricated with lithium/ calcium grease.

## UCF/CL-HCF/CL

## ■ Series UCF/CL - Grub screws shaft locking

Closed unit

Open unit

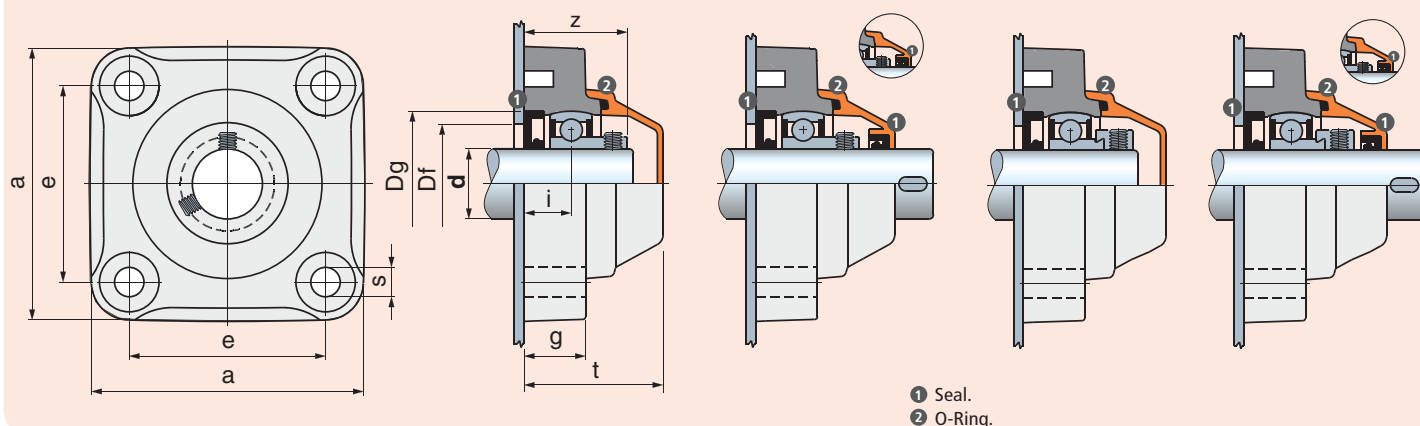
Version dia 45-50 mm are supplied without o-ring

## ■ Series HCF/CL - Eccentric collar shaft locking

Closed unit

Open unit

Version dia 45-50 mm are supplied without o-ring



## Housing material

| dia.<br>d<br>mm                              | Series      | Polyamide<br>PA FV<br>Standard<br>Flange<br>(black)<br>Cover<br>(orange) | Polyamide<br>PA FV with<br>Microban®<br>Solid Flange<br>(grey)<br>Cover<br>(red) | Polypropylene<br>PP FV with<br>Microban®<br>Solid Flange<br>(white)<br>Cover<br>(red) |                  |     |    |      |      |      |      |    |    |    | Bore in<br>frame<br>Df |          | Weight<br>Kg | Spare parts |                      |                                 |
|----------------------------------------------|-------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------|-----|----|------|------|------|------|----|----|----|------------------------|----------|--------------|-------------|----------------------|---------------------------------|
|                                              |             | Code                                                                     | Code                                                                             | Code                                                                                  | Dimensions in mm |     |    |      |      |      |      |    |    |    | Dg                     | max. min |              | Bearing     | Coperchio<br>arancio | Coperchio<br>rosso<br>Microban® |
|                                              |             |                                                                          |                                                                                  |                                                                                       | e                | a   | s  | g    | i    | z    | t    |    |    |    |                        |          |              |             |                      |                                 |
| Grub screws shaft locking • Closed unit      |             |                                                                          |                                                                                  |                                                                                       |                  |     |    |      |      |      |      |    |    |    |                        |          |              |             |                      |                                 |
| 25                                           | UCF 205 CL  | 64573L                                                                   | 651172L                                                                          | 680932L                                                                               | 70               | 98  | 11 | 22,5 | 16,8 | 36,3 | 49,5 | 52 | 50 | 45 | YAT205                 | 0,40     | 681952       | 681992      |                      |                                 |
| 25*                                          | SUCF 205 CL | 603043L                                                                  | —                                                                                | —                                                                                     | 83               | 110 | 11 | 26   | 19,3 | 38,8 | 54   | 52 | 50 | 45 | YAT205                 | 0,50     | 681952       | —           |                      |                                 |
| 30                                           | UCF 206 CL  | 63112L                                                                   | 651182L                                                                          | 680942L                                                                               | 83               | 110 | 11 | 26   | 20   | 41   | 55   | 62 | 60 | 50 | YAT206                 | 0,56     | 63154        | 653322      |                      |                                 |
| 35                                           | UCF 207 CL  | 64018L                                                                   | 651192L                                                                          | 680952L                                                                               | 92               | 120 | 11 | 26   | 19,5 | 43   | 59   | 72 | 70 | 55 | YAT207                 | 0,72     | 682022       | 682042      |                      |                                 |
| 35*                                          | SUCF 207 CL | —                                                                        | 668982L                                                                          | 680962L                                                                               | 83               | 110 | 11 | 26   | 19,5 | 43   | 61   | 72 | 70 | 55 | YAT207                 | 0,67     | —            | 653342      |                      |                                 |
| 40                                           | UCF 208 CL  | 68916L                                                                   | 651202L                                                                          | 680972L                                                                               | 102              | 131 | 11 | 30   | 22   | 47,3 | 65,5 | 80 | 78 | 65 | YAT208                 | 0,95     | 63539        | 653342      |                      |                                 |
| 40*                                          | SUCF 208 CL | 61819L                                                                   | 651212L                                                                          | 680982L                                                                               | 83               | 110 | 11 | 26   | 19   | 44,3 | 66   | 80 | 78 | 65 | YAT208                 | 0,88     | 600882       | 653352      |                      |                                 |
| 45*                                          | SUCF 209 CL | —                                                                        | 686672L                                                                          | 686752L                                                                               | 102              | 131 | 11 | 30   | 23   | 48,8 | 73   | 85 | 83 | 75 | YAT209                 | 1,10     | —            | 686982      |                      |                                 |
| 50*                                          | SUCF 210 CL | —                                                                        | 686682L                                                                          | 686762L                                                                               | 102              | 131 | 11 | 30   | 23   | 52   | 73   | 90 | 88 | 80 | YAT210                 | 1,20     | —            | 686982      |                      |                                 |
| Grub screws shaft locking • Open unit        |             |                                                                          |                                                                                  |                                                                                       |                  |     |    |      |      |      |      |    |    |    |                        |          |              |             |                      |                                 |
| 25                                           | UCF 205 CL  | 64623L                                                                   | 651272L                                                                          | 680992L                                                                               | 70               | 98  | 11 | 22,5 | 16,8 | 36,3 | 49,5 | 52 | 50 | 45 | YAT205                 | 0,40     | 681972       | 682012      |                      |                                 |
| 25*                                          | SUCF 205 CL | 603053L                                                                  | —                                                                                | —                                                                                     | 83               | 110 | 11 | 26   | 19,3 | 38,8 | 54   | 52 | 50 | 45 | YAT205                 | 0,50     | 681972       | —           |                      |                                 |
| 30                                           | UCF 206 CL  | 63172L                                                                   | 651282L                                                                          | 681002L                                                                               | 83               | 110 | 11 | 26   | 20   | 41   | 55   | 62 | 60 | 50 | YAT206                 | 0,56     | 69965        | 653442      |                      |                                 |
| 35                                           | UCF 207 CL  | 64028L                                                                   | 651292L                                                                          | 681012L                                                                               | 92               | 120 | 11 | 26   | 19,5 | 43   | 59   | 72 | 70 | 55 | YAT207                 | 0,72     | 682032       | 682052      |                      |                                 |
| 35*                                          | SUCF 207 CL | —                                                                        | 668992L                                                                          | 681022L                                                                               | 83               | 110 | 11 | 26   | 19,5 | 43   | 61   | 72 | 70 | 55 | YAT207                 | 0,67     | —            | 669202      |                      |                                 |
| 40                                           | UCF 208 CL  | 68926L                                                                   | 651302L                                                                          | 681032L                                                                               | 102              | 131 | 11 | 30   | 22   | 47,3 | 65,5 | 80 | 78 | 65 | YAT208                 | 0,95     | 63549        | 653462      |                      |                                 |
| 40*                                          | SUCF 208 CL | 61829L                                                                   | 651312L                                                                          | 681042L                                                                               | 83               | 110 | 11 | 26   | 19   | 44,3 | 66   | 80 | 78 | 65 | YAT208                 | 0,88     | 600892       | 653472      |                      |                                 |
| 45*                                          | SUCF 209 CL | —                                                                        | 686692L                                                                          | 686772L                                                                               | 102              | 131 | 11 | 30   | 23   | 48,8 | 73   | 85 | 83 | 75 | YAT209                 | 1,10     | —            | 687012      |                      |                                 |
| 50*                                          | SUCF 210 CL | —                                                                        | 686702L                                                                          | 686782L                                                                               | 102              | 131 | 11 | 30   | 23   | 52   | 73   | 90 | 88 | 80 | YAT210                 | 1,20     | —            | 687022      |                      |                                 |
| Eccentric collar shaft locking • Closed unit |             |                                                                          |                                                                                  |                                                                                       |                  |     |    |      |      |      |      |    |    |    |                        |          |              |             |                      |                                 |
| 25                                           | HCF 205 CL  | 680452L                                                                  | 680712L                                                                          | 681052L                                                                               | 70               | 98  | 11 | 22,5 | 16,8 | 40,3 | 49,5 | 52 | 50 | 45 | YET 205                | 0,44     | 681952       | 681992      |                      |                                 |
| 25*                                          | SHCF 205 CL | 603063L                                                                  | —                                                                                | —                                                                                     | 83               | 110 | 11 | 26   | 19,3 | 42,8 | 54   | 52 | 50 | 45 | YET 205                | 0,57     | 681952       | —           |                      |                                 |
| 30                                           | HCF 206 CL  | 621501L                                                                  | 651372L                                                                          | 681062L                                                                               | 83               | 110 | 11 | 26   | 20   | 46,7 | 55   | 62 | 60 | 50 | YET206                 | 0,63     | 63154        | 653322      |                      |                                 |
| 35                                           | HCF 207 CL  | 680462L                                                                  | 680722L                                                                          | 681072L                                                                               | 92               | 120 | 11 | 26   | 19,5 | 48,9 | 59   | 72 | 70 | 55 | YET207                 | 0,90     | 682022       | 682042      |                      |                                 |
| 35*                                          | SHCF 207 CL | —                                                                        | 669022L                                                                          | 681082L                                                                               | 83               | 110 | 11 | 26   | 19,5 | 48,9 | 61   | 72 | 70 | 55 | YET207                 | 0,85     | —            | 653342      |                      |                                 |
| 40*                                          | SHCF 208 CL | 62439L                                                                   | 651382L                                                                          | 681092L                                                                               | 83               | 110 | 11 | 26   | 19   | 51,7 | 66   | 80 | 78 | 65 | YET 208                | 1,07     | 600882       | 653352      |                      |                                 |
| 45*                                          | SHCF 209 CL | —                                                                        | 686712L                                                                          | 686792L                                                                               | 102              | 131 | 11 | 30   | 23   | 56   | 73   | 85 | 83 | 75 | YET 209                | 1,29     | —            | 686982      |                      |                                 |
| 50*                                          | SHCF 210 CL | —                                                                        | 686722L                                                                          | 686802L                                                                               | 102              | 131 | 11 | 30   | 23   | 56   | 73   | 90 | 88 | 80 | YET 210                | 1,39     | —            | 686982      |                      |                                 |
| Eccentric collar shaft locking • Open unit   |             |                                                                          |                                                                                  |                                                                                       |                  |     |    |      |      |      |      |    |    |    |                        |          |              |             |                      |                                 |
| 25                                           | HCF 205 CL  | 680472L                                                                  | 680732L                                                                          | 681102L                                                                               | 70               | 98  | 11 | 22,5 | 16,8 | 40,3 | 49,5 | 52 | 50 | 45 | YET 205                | 0,44     | 681972       | 682012      |                      |                                 |
| 25*                                          | SHCF 205 CL | 603073L                                                                  | —                                                                                | —                                                                                     | 83               | 110 | 11 | 26   | 19,3 | 42,8 | 54   | 52 | 50 | 45 | YET 205                | 0,57     | 681972       | —           |                      |                                 |
| 30                                           | HCF 206 CL  | 621481L                                                                  | 651412L                                                                          | 681112L                                                                               | 83               | 110 | 11 | 26   | 20   | 46,7 | 55   | 62 | 60 | 50 | YET206                 | 0,63     | 69965        | 653442      |                      |                                 |
| 35                                           | HCF 207 CL  | 680482L                                                                  | 680742L                                                                          | 681122L                                                                               | 92               | 120 | 11 | 26   | 19,5 | 48,9 | 59   | 72 | 70 | 55 | YET207                 | 0,90     | 682032       | 682052      |                      |                                 |
| 35*                                          | SHCF 207 CL | —                                                                        | 669032L                                                                          | 681132L                                                                               | 83               | 110 | 11 | 26   | 19,5 | 48,9 | 61   | 72 | 70 | 55 | YET207                 | 0,85     | —            | 669202      |                      |                                 |
| 40*                                          | SHCF 208 CL | 62449L                                                                   | 651422L                                                                          | 681142L                                                                               | 83               | 110 | 11 | 26   | 19   | 51,7 | 66   | 80 | 78 | 65 | YET 208                | 1,07     | 600892       | 653472      |                      |                                 |
| 45*                                          | SHCF 209 CL | —                                                                        | 686732L                                                                          | 686812L                                                                               | 102              | 131 | 11 | 30   | 23   | 56   | 73   | 85 | 83 | 75 | YET 209                | 1,29     | —            | 687012      |                      |                                 |
| 50*                                          | SHCF 210 CL | —                                                                        | 686742L                                                                          | 686822L                                                                               | 102              | 131 | 11 | 30   | 23   | 56   | 73   | 90 | 88 | 80 | YET 210                | 1,39     | —            | 687022      |                      |                                 |

\*= Version with special fixing holes

Packaging : 6 pieces.

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# Square flange bearing units

## UCF-HCF



Accessories



### Material

#### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304.

#### PAFV polyamide housing with Microban®

Housing in reinforced polyamide PAFV resin (grey) with Microban® • Bearing in stainless steel AISI 420 • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304.

#### PPFV polypropylene housing with Microban®

Housing in reinforced polypropylene PPFV resin (white) with Microban® • Bearing in stainless steel AISI 420 • Ball type stainless steel AISI 316 greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 316.

### Continuous operating temperature

in air : - 20 to + 60°C.

### Maximum allowed misalignment: 2°.

### Bearing



Series YAR 2F (grub screws shaft locking, chrome alloy steel, Superagriseal unit plus centrifuging ring) • Series YAR 2RF (grub screws shaft locking, stainless steel AISI 420, Superagriseal unit plus rubberised centrifuging ring) • Series YAT (grub screws shaft locking, chrome alloy steel, Superagriseal unit) • Series YET (eccentric collar shaft locking, chrome alloy steel, Superagriseal unit)  
• Prelubricated with lithium/ calcium grease • Can be relubricated

### Quick coupler for remote lubrication (accessory)



Code : 67843.

The system foresees semirigid dia. 4 mm tubes made out of Rilsan/Nylon. The tubes are connected to the joints by means of rapid graft.  
Material nickel plated brass.  
Dimension : 1/8 Gas.

### Grub screws or eccentric collar shaft locking

### Version with bearing YAR 2F

The double ring guarantees maximum protection against dust and non-corrosive substances.

### Version with stainless steel bearing YAR 2RF

AISI 420 stainless steel bearing with 2 rubberised rings, provides excellent seal against humidity, steams, liquids, medium corrosive chemical agents. Maximum load ability is inferior.

### Version with bearing YAT

The rubberised ring guarantees maximum protection against dusts.

### Supports with Microban® antibacterial protection

Microban® material is effective against the most common bacteria that may grow in foodstuff like E. Coli, Salmonella, Listeria, S-Aureus, Campylobacter.

### Material

Polyamide PA FV guarantees maximum strength and high-temperature resistance.

Polypropylene PP FV offers excellent resistance to chemical agents but inferior load ability.



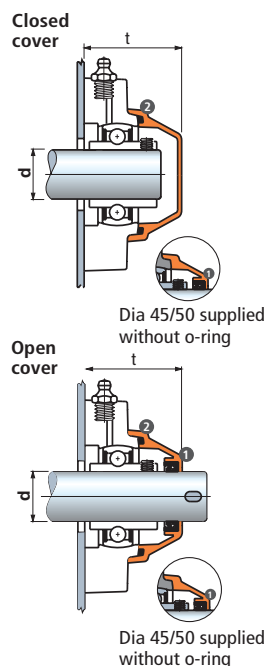
### Loads

| Shaft dia.<br>d<br>mm | Bearing load<br>YAR 2F - YAT - YET |                  |                            | Bearing load<br>YAR 2RF |                  |                            | Bearing unit max.<br>static load |            |
|-----------------------|------------------------------------|------------------|----------------------------|-------------------------|------------------|----------------------------|----------------------------------|------------|
|                       | Load coefficient                   |                  | Max. 1)<br>axial load<br>N | Load coefficient        |                  | Max. 1)<br>axial load<br>N | PA FV<br>N                       | PA FV<br>N |
|                       | dyn. 1)<br>C<br>N                  | stat.<br>Co<br>N |                            | dyn. 1)<br>C<br>N       | stat.<br>Co<br>N |                            |                                  |            |
| 25                    | 14000                              | 7800             | 2800                       | 11900                   | 7800             | 2380                       | 19550                            | 20700      |
| 25*                   | 14000                              | 7800             | 2800                       | —                       | —                | —                          | —                                | —          |
| 30                    | 19500                              | 11200            | 3900                       | 16250                   | 11200            | 3250                       | 19550                            | 20700      |
| 35                    | 25500                              | 15300            | 5100                       | 21600                   | 15300            | 4320                       | 20700                            | 25300      |
| 35*                   | 25500                              | 15300            | 5100                       | 21600                   | 15300            | 4320                       | 19550                            | 20700      |
| 40                    | 30700                              | 19000            | 6140                       | 26000                   | 19000            | 5200                       | 20700                            | 25300      |
| 40*                   | 30700                              | 19000            | 6140                       | 26000                   | 19000            | 5200                       | 19550                            | 20700      |
| 45                    | 33200                              | 21600            | 6640                       | —                       | —                | —                          | 32000                            | 35000      |
| 50                    | 35100                              | 23200            | 7020                       | —                       | —                | —                          | 32000                            | 35000      |

\* = Version with special fixing holes.

1) = Values are valid for applications with ≤ h 6 shaft tolerance. Time 0.77 values must be considered in all other cases.

### Protection covers (accessory)



| Accessories                           |                 |                                  |         |
|---------------------------------------|-----------------|----------------------------------|---------|
| dia.<br>d<br>mm                       | Cover<br>orange | Cover<br>red<br><b>Microban®</b> | t<br>mm |
| Code                                  |                 |                                  |         |
| Closed cover supplied with seals      |                 |                                  |         |
| 25                                    | 681952          | 681992                           | 49,5    |
| 25*                                   | 681952          | —                                | 54      |
| 30                                    | 63154           | 653322                           | 55      |
| 35                                    | 682022          | 682042                           | 59      |
| 35*                                   | 63154           | 653342                           | 61      |
| 40                                    | 63539           | 653342                           | 65,5    |
| 40*                                   | 600882          | 653352                           | 66      |
| 45*                                   | 686972          | 686982                           | 73      |
| 50*                                   | 686972          | 686982                           | 73      |
| Open cover supplied with seals        |                 |                                  |         |
| 25                                    | 681972          | 682012                           | 49,5    |
| 25*                                   | 681972          | —                                | 54      |
| 30                                    | 69965           | 653442                           | 55      |
| 35                                    | 682032          | 682052                           | 59      |
| 35*                                   | 615692          | 669202                           | 61      |
| 40                                    | 63549           | 653462                           | 65,5    |
| 40*                                   | 600892          | 653472                           | 66      |
| 45*                                   | 686992          | 687012                           | 73      |
| 50*                                   | 687002          | 687022                           | 73      |
| * = Version with special fixing holes |                 |                                  |         |

\* = Version with special fixing holes

- ① Seal
- ② Seal O-Ring

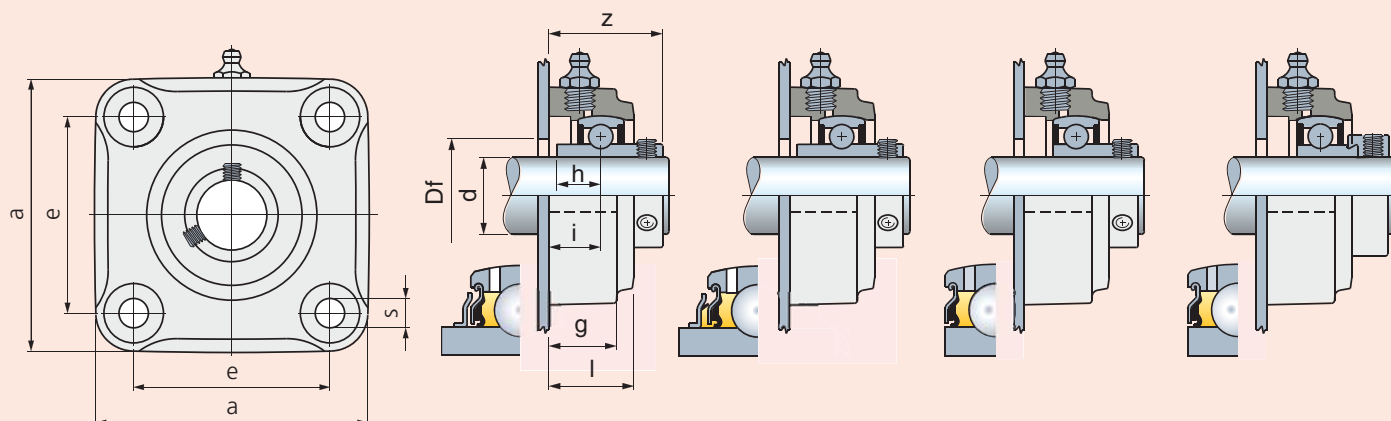
### ■ Series UCF Grub screws shaft locking

Version with  
bearing  
YAR 2F

Version with  
stainless steel bearing  
YAR 2RF

Version with  
bearing  
YAT

### ■ Series HCF Eccentric collar shaft locking



#### Housing material

| dia.<br>d<br>mm                                                          | Series   | Polyamide<br>PA FV<br>Standard<br>Flange<br>(black) | Polyamide<br>PA FV with<br>Microban®<br>Solid Flange<br>(grey) | Polypropylene<br>PP FV with<br>Microban®<br>Solid Flange<br>(white) | Dimensions in mm |     |    |      |      |      |      |      | Bore in<br>frame<br>Df<br>mm | Bearing     | Weight<br>Kg |
|--------------------------------------------------------------------------|----------|-----------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------|------------------|-----|----|------|------|------|------|------|------------------------------|-------------|--------------|
|                                                                          |          | Code                                                | e                                                              | a                                                                   | s                | g   | i  | h    | l    | z    |      |      |                              |             |              |
| Grub screws shaft locking • Version with bearing YAR 2F                  |          |                                                     |                                                                |                                                                     |                  |     |    |      |      |      |      |      |                              |             |              |
| 25                                                                       | UCF 205  | 64533                                               | —                                                              | —                                                                   | 70               | 98  | 11 | 22,5 | 16,8 | 14,3 | 27,5 | 36,6 | 29                           | YAR 205 2F  | 0,44         |
| 25*                                                                      | SUCF 205 | 603163                                              | —                                                              | —                                                                   | 83               | 110 | 11 | 26   | 19,3 | 14,3 | 31,5 | 39,1 | 29                           | YAR 205 2F  | 0,51         |
| 30                                                                       | UCF 206  | 60722                                               | —                                                              | —                                                                   | 83               | 110 | 11 | 26   | 20   | 15,9 | 31,5 | 42,2 | 34                           | YAR 206 2F  | 0,57         |
| 35                                                                       | UCF 207  | 64058                                               | —                                                              | —                                                                   | 92               | 120 | 11 | 26   | 19,5 | 17,5 | 32   | 45   | 39                           | YAR 207 2F  | 0,72         |
| 35*                                                                      | SUCF 207 | 68465                                               | —                                                              | —                                                                   | 83               | 110 | 11 | 26   | 15,5 | 17,5 | 31,5 | 40,9 | 50                           | YAR 207 2F  | 0,65         |
| 40                                                                       | UCF 208  | 68956                                               | —                                                              | —                                                                   | 102              | 131 | 11 | 30   | 22   | 19   | 36   | 52,2 | 44                           | YAR 208 2F  | 0,95         |
| 40*                                                                      | SUCF 208 | 61719                                               | —                                                              | —                                                                   | 83               | 110 | 11 | 26   | 19   | 19   | 36   | 52,2 | 55                           | YAR 208 2F  | 0,88         |
| 45*                                                                      | SUCF 209 | 689232                                              | —                                                              | —                                                                   | 102              | 131 | 11 | 30   | 23   | 19   | 38   | 53,2 | 49                           | YAR 209 2F  | 0,95         |
| 50*                                                                      | SUCF 210 | 689242                                              | —                                                              | —                                                                   | 102              | 131 | 11 | 30   | 23   | 19   | 38   | 55,6 | 54                           | YAR 210 2F  | 0,88         |
| Grub screws shaft locking • Version with stainless steel bearing YAR 2RF |          |                                                     |                                                                |                                                                     |                  |     |    |      |      |      |      |      |                              |             |              |
| 25                                                                       | UCF 205  | 646592                                              | 681582                                                         | 681642                                                              | 70               | 98  | 11 | 22,5 | 16,8 | 14,3 | 27,5 | 36,6 | 29                           | YAR 205 2RF | 0,44         |
| 30                                                                       | UCF 206  | 646602                                              | 681592                                                         | 681652                                                              | 83               | 110 | 11 | 26   | 20   | 15,9 | 31,5 | 42,2 | 34                           | YAR 206 2RF | 0,57         |
| 35                                                                       | UCF 207  | 646612                                              | 681602                                                         | 681662                                                              | 92               | 120 | 11 | 26   | 19,5 | 17,5 | 32   | 45   | 39                           | YAR 207 2RF | 0,72         |
| 35*                                                                      | SUCF 207 | 646622                                              | 681612                                                         | 681672                                                              | 83               | 110 | 11 | 26   | 15,5 | 17,5 | 31,5 | 40,9 | 50                           | YAR 207 2RF | 0,65         |
| 40                                                                       | UCF 208  | 646632                                              | 681622                                                         | 681682                                                              | 102              | 131 | 11 | 30   | 22   | 19   | 36   | 52,2 | 44                           | YAR 208 2RF | 0,95         |
| 40*                                                                      | SUCF 208 | 646642                                              | 681632                                                         | 681692                                                              | 83               | 110 | 11 | 26   | 19   | 19   | 36   | 52,2 | 55                           | YAR 208 2RF | 0,88         |
| Grub screws shaft locking • Version with bearing YAT                     |          |                                                     |                                                                |                                                                     |                  |     |    |      |      |      |      |      |                              |             |              |
| 25                                                                       | UCF 205  | 656752                                              | 666612                                                         | 681282                                                              | 70               | 98  | 11 | 22,5 | 16,8 | —    | 27,5 | 36,3 | 29                           | YAT 205     | 0,39         |
| 25*                                                                      | SUCF 205 | 603143                                              | —                                                              | —                                                                   | 83               | 110 | 11 | 26   | 19,3 | —    | 31,5 | 38,8 | 29                           | YAT 205     | 0,48         |
| 30                                                                       | UCF 206  | 666442                                              | 666622                                                         | 681292                                                              | 83               | 110 | 11 | 26   | 20   | —    | 31,5 | 41   | 34                           | YAT 206     | 0,54         |
| 35                                                                       | UCF 207  | 666452                                              | 666632                                                         | 681302                                                              | 92               | 120 | 11 | 26   | 19,5 | —    | 32   | 42,8 | 39                           | YAT 207     | 0,69         |
| 35*                                                                      | SUCF 207 | 682062                                              | 681212                                                         | 681312                                                              | 83               | 110 | 11 | 26   | 15,5 | —    | 31,5 | 38,8 | 39                           | YAT 207     | 0,62         |
| 40                                                                       | UCF 208  | 666462                                              | 666642                                                         | 681322                                                              | 102              | 131 | 11 | 30   | 22   | —    | 36   | 47,3 | 44                           | YAT 208     | 0,92         |
| 40*                                                                      | SUCF 208 | 681552                                              | 681222                                                         | 681332                                                              | 83               | 110 | 11 | 26   | 19   | —    | 36   | 48   | 44                           | YAT 208     | 0,85         |
| 45*                                                                      | SUCF 209 | 686852                                              | 686872                                                         | 686892                                                              | 102              | 131 | 11 | 30   | 23   | —    | 38   | 48,8 | 49                           | YAT 209     | 0,87         |
| 50*                                                                      | SUCF 210 | 686862                                              | 686882                                                         | 686902                                                              | 102              | 131 | 11 | 30   | 23   | —    | 38   | 50,6 | 54                           | YAT 210     | 1,04         |
| Eccentric collar shaft locking                                           |          |                                                     |                                                                |                                                                     |                  |     |    |      |      |      |      |      |                              |             |              |
| 25                                                                       | HCF 205  | 681562                                              | 681412                                                         | 681502                                                              | 70               | 98  | 11 | 22,5 | 16,8 | —    | 27,5 | 40,3 | 29                           | YET 205     | 0,43         |
| 25*                                                                      | SHCF 205 | 603153                                              | —                                                              | —                                                                   | 83               | 110 | 11 | 26   | 19,3 | —    | 31,5 | 42,8 | 29                           | YET 205     | 0,55         |
| 30                                                                       | HCF 206  | 62329                                               | 681422                                                         | 681512                                                              | 83               | 110 | 11 | 26   | 20   | —    | 31,5 | 46,7 | 34                           | YET 206     | 0,61         |
| 35                                                                       | HCF 207  | 681572                                              | 681432                                                         | 681522                                                              | 92               | 120 | 11 | 26   | 19,5 | —    | 32   | 48,9 | 39                           | YET 207     | 0,87         |
| 35*                                                                      | SHCF 207 | 681392 <sup>1)</sup>                                | 681442                                                         | 681532                                                              | 83               | 110 | 11 | 26   | 19,5 | —    | 31,5 | 48,4 | 39                           | YET 207     | 0,82         |
| 40*                                                                      | SHCF 208 | 62349                                               | 681452                                                         | 681542                                                              | 83               | 110 | 11 | 26   | 19   | —    | 36   | 51,7 | 44                           | YET 208     | 1,04         |
| 45*                                                                      | SHCF 209 | 686912                                              | 686932                                                         | 686952                                                              | 102              | 131 | 11 | 30   | 23   | —    | 38   | 56   | 49                           | YET 209     | 0,87         |
| 50*                                                                      | SHCF 210 | 686922                                              | 686942                                                         | 686962                                                              | 102              | 131 | 11 | 30   | 23   | —    | 38   | 56   | 54                           | YET 210     | 1,04         |

\* = Version with special fixing holes

1) Solid flange.

• = Solid flange 19,5

Packaging : 6 pieces.

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# Square flange bearing units

## UCFS/C - HCFS/C



PATENT PENDING

- Austenitic stainless steel surface
- Waterproof housing
- Grub screws or eccentric collar shaft locking
- Solid flange

Patent pending design with perfect seal: rubber makes one-body with steel and engineering plastic bearing seat.

### Material

Housing in reinforced polyamide PAFV resin (black) • Austenitic Stainless steel surface • Protection cover in polypropylene PP (orange) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple.

### Continuous operating temperature

in air : - 20 to + 60°C.

### Maximum allowed misalignment: 2°.

### Bearing



Series YAT (grub screws shaft locking) • Series YET (eccentric collar shaft locking) • Chrome alloy steel • Superagriseal unit • Prelubricated with lithium/ calcium grease • Can be relubricated

### Quick coupler for remote lubrication (accessory)



Code : 67843.

The system foresees semirigid dia. 4 mm tubes made out of Rilsan/Nylon. The tubes are connected to the joints by means of rapid graft.  
Material nickel plated brass.  
Dimension : 1/8 Gas.

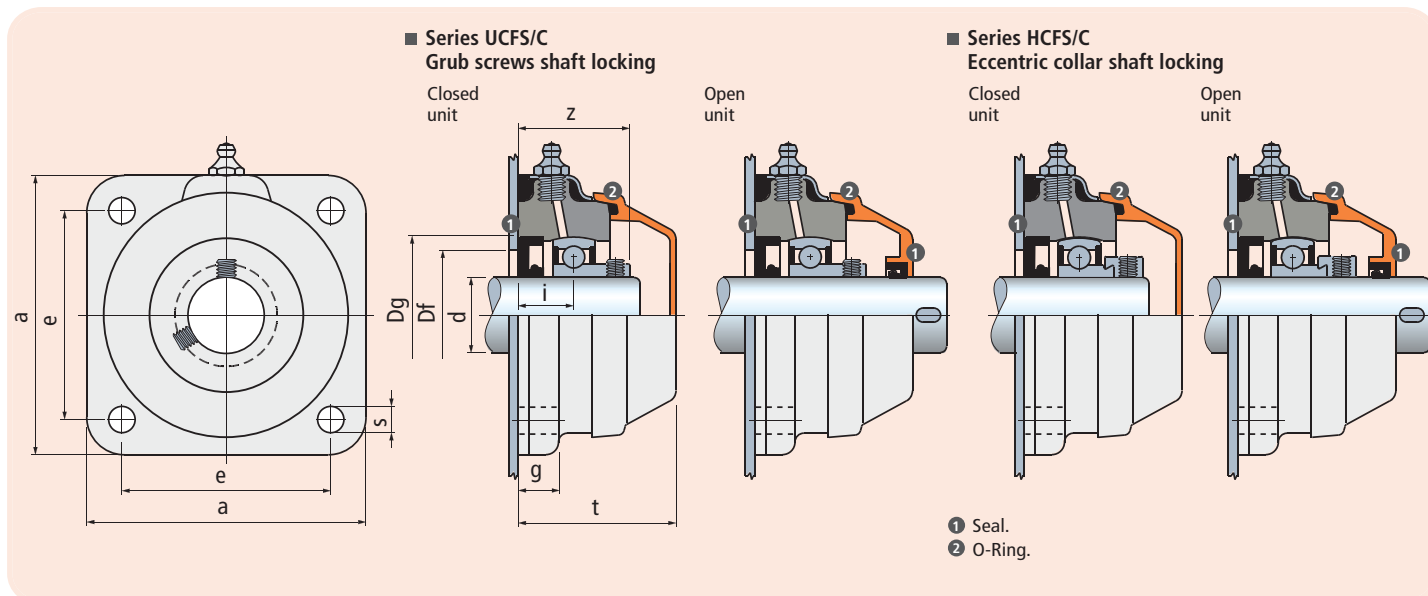
### Loads

| Shaft<br>dia.<br>d<br>mm | Bearing load                                        |                  |                            | Bearing unit max.<br>static load                                                                 |                                                                                                  |
|--------------------------|-----------------------------------------------------|------------------|----------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|                          | Load<br>coefficient<br>dyn. <sup>1)</sup><br>C<br>N | stat.<br>Co<br>N | Max.<br>axial<br>load<br>N |  PA FV<br>N |  PA FV<br>N |
| 30                       | 19500                                               | 11200            | 3900                       | 20700                                                                                            | 25300                                                                                            |
| 35*                      | 25500                                               | 15300            | 5100                       | 20700                                                                                            | 25300                                                                                            |
| 40*                      | 30700                                               | 19000            | 6140                       | 20700                                                                                            | 25300                                                                                            |

\*= Version with special fixing holes

1) = Values are valid for applications with ≤ h 6 shaft tolerance. Time 0.77 values must be considered in all other cases.

## UCFS/C-HCFS/C



| dia.<br>d<br>mm                              | Series      | Housing material                                                                           | e  | a   | s    | Dimensions in mm |                         |      |      | Dg | Bore in frame <sup>1)</sup><br>Df |    | Bearing | Weight<br>Kg | Spare parts |
|----------------------------------------------|-------------|--------------------------------------------------------------------------------------------|----|-----|------|------------------|-------------------------|------|------|----|-----------------------------------|----|---------|--------------|-------------|
|                                              |             | Polyamide<br>PA FV<br>with stainless<br>steel surface<br>Solid Flange<br>Cover<br>(orange) |    |     |      | Code             | Cover<br>orange<br>Code |      |      |    |                                   |    |         |              |             |
|                                              |             |                                                                                            |    |     |      |                  |                         |      |      |    |                                   |    |         |              |             |
|                                              |             |                                                                                            |    |     |      |                  |                         |      |      |    |                                   |    |         |              |             |
| Grub screws shaft locking • Closed unit      |             |                                                                                            |    |     |      |                  |                         |      |      |    |                                   |    |         |              |             |
| 30                                           | UCFS 206 C  | 615622                                                                                     | 83 | 111 | 10,5 | 15,9             | 22                      | 43   | 65,8 | 62 | 60                                | 50 | YAT 206 | 0,73         | 63539       |
| 35*                                          | SUCFS 207 C | 615632                                                                                     | 83 | 111 | 10,5 | 15,9             | 22                      | 45,3 | 65,8 | 72 | 70                                | 55 | YAT 207 | 0,84         | 63539       |
| 40*                                          | SUCFS 208 C | 615642                                                                                     | 83 | 111 | 10,5 | 15,9             | 22                      | 47,3 | 65,8 | 80 | 78                                | 65 | YAT 208 | 0,94         | 63539       |
| Grub screws shaft locking • Open unit        |             |                                                                                            |    |     |      |                  |                         |      |      |    |                                   |    |         |              |             |
| 30                                           | UCFS 206 C  | 615652                                                                                     | 83 | 111 | 10,5 | 15,9             | 22                      | 43   | 65,8 | 62 | 60                                | 50 | YAT 206 | 0,73         | 615682      |
| 35*                                          | SUCFS 207 C | 615662                                                                                     | 83 | 111 | 10,5 | 15,9             | 22                      | 45,3 | 65,8 | 72 | 70                                | 55 | YAT 207 | 0,84         | 615692      |
| 40*                                          | SUCFS 208 C | 615672                                                                                     | 83 | 111 | 10,5 | 15,9             | 22                      | 47,3 | 65,8 | 80 | 78                                | 65 | YAT 208 | 0,94         | 63549       |
| Eccentric collar shaft locking • Closed unit |             |                                                                                            |    |     |      |                  |                         |      |      |    |                                   |    |         |              |             |
| 30                                           | HCFS 206 C  | 670402                                                                                     | 83 | 111 | 10,5 | 15,9             | 22                      | 49   | 65,8 | 62 | 60                                | 50 | YET 206 | 0,80         | 63539       |
| 35*                                          | SHCFS 207 C | 670412                                                                                     | 83 | 111 | 10,5 | 15,9             | 22                      | 51,4 | 65,8 | 72 | 70                                | 55 | YET 207 | 0,90         | 63539       |
| 40*                                          | SHCFS 208 C | 670422                                                                                     | 83 | 111 | 10,5 | 15,9             | 22                      | 55   | 65,8 | 80 | 78                                | 65 | YET 208 | 1,00         | 63539       |
| Eccentric collar shaft locking • Open unit   |             |                                                                                            |    |     |      |                  |                         |      |      |    |                                   |    |         |              |             |
| 30                                           | HCFS 206 C  | 670432                                                                                     | 83 | 111 | 10,5 | 15,9             | 22                      | 49   | 65,8 | 62 | 60                                | 50 | YET 206 | 0,80         | 615682      |
| 35*                                          | SHCFS 207 C | 670442                                                                                     | 83 | 111 | 10,5 | 15,9             | 22                      | 51,4 | 65,8 | 72 | 70                                | 55 | YET 207 | 0,90         | 615692      |
| 40*                                          | SHCFS 208 C | 670452                                                                                     | 83 | 111 | 10,5 | 15,9             | 22                      | 55   | 65,8 | 80 | 78                                | 65 | YET 208 | 1,00         | 63549       |

\*= Version with special fixing holes

1) = Dimensions Df max / Df min must be respected to ensure positive retention of the seals and to allow air bleeding during lubrication.

Packaging : 6 pieces.

INDICATIVE GUIDE LINES  
FOR PRODUCT AVAILABILITIES:

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# Square flange bearing units

F



- **Waterproof housing**
- **Shaft shoulders locking**  
High axial load capacity.
- **PAFV polyamide housing**  
High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents
- **PPFV polypropylene housing**  
Proof to highly aggressive chemical agents.  
Inferior loading ability.

## Material

### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304 .

### PPFV polypropylene housing

Housing in reinforced polypropylene PPFV resin (black) • Seal and O-Ring in NBR rubber (black). On request supplied in Viton rubber (brown). Viton material offers high resistance to chemical agents • Ball type stainless steel AISI 316 greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 316.

## Loads

| Shaft<br>dia.<br>da<br>mm | Bearing<br>dia.<br>d<br>mm | Bearing load        |                  | Bearing unit max.<br>static load |         |         |         |         |         |
|---------------------------|----------------------------|---------------------|------------------|----------------------------------|---------|---------|---------|---------|---------|
|                           |                            | Load<br>coefficient |                  |                                  |         |         |         |         |         |
|                           |                            | dyn.<br>C<br>N      | stat.<br>Co<br>N | PA<br>N                          | FV<br>N | PP<br>N | FV<br>N | PA<br>N | FV<br>N |
| 30                        | 25                         | 14300               | 4000             | 21850                            | 16100   | 17250   | 13800   | 8050    | 5750    |
| 35                        | 30                         | 15600               | 4650             | 21850                            | 16100   | 17250   | 13800   | 18400   | 10350   |
| 40                        | 35                         | 19000               | 6000             | 21850                            | 17250   | 17250   | 13800   | 19550   | 13800   |
| 40*                       | 35*                        | 19000               | 6000             | 21850                            | 16100   | 17250   | 13800   | 18400   | 10350   |
| 45                        | 40                         | 19900               | 6950             | 23000                            | 17250   | 18400   | 14350   | 19550   | 13800   |
| 45*                       | 40*                        | 19900               | 6950             | 21850                            | 16100   | 17250   | 13800   | 18400   | 10350   |

\*= Version with special fixing holes.

## Continuous operating temperature

in air : - 20 to + 60°C.

## Maximum allowed misalignment: 2°

## Bearing

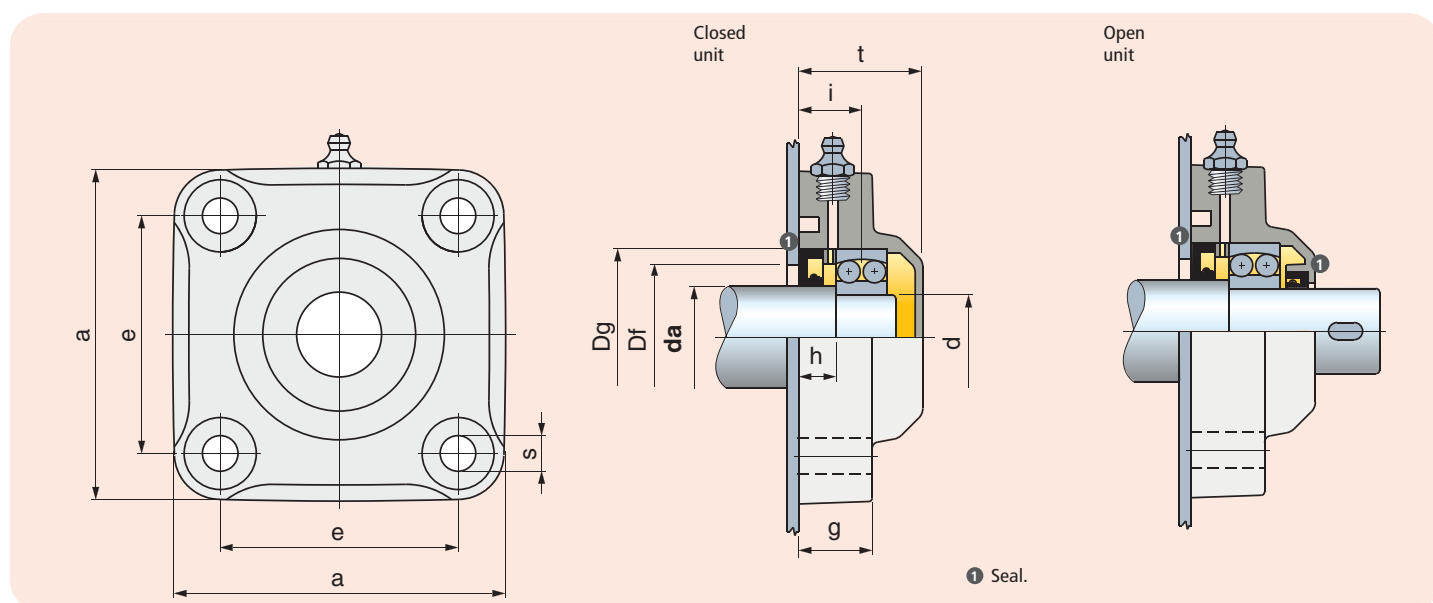
Series 1200 self aligning ball bearing • Chrome alloy steel • Supplied without grease • To be prelubricated with lithium / calcium grease during first installation

## Quick coupler for remote lubrication (accessory)



Code : 67843.

The system foresees semirigid dia. 4 mm tubes made out of Rilsan/Nylon. The tubes are connected to the joints by means of rapid graft.  
Material nickel plated brass.  
Dimension : 1/8 Gas.



① Seal.

| Shaft<br>dia.<br>da<br>mm | Bearing<br>dia.<br>d<br>mm | Series  | Housing material                                    |                                                                       | Dimensions in mm |     |    |      |      |      |      |    | Bore in<br>frame <sup>1)</sup><br>Df |      | Bearing | Weight<br>Kg |
|---------------------------|----------------------------|---------|-----------------------------------------------------|-----------------------------------------------------------------------|------------------|-----|----|------|------|------|------|----|--------------------------------------|------|---------|--------------|
|                           |                            |         | Polyamide<br>PA FV<br>Standard<br>Flange<br>(black) | Polypropylene<br>PP FV <sup>1)</sup><br>Standard<br>Flange<br>(black) | e                | a   | s  | g    | i    | h    | t    | Dg | max.                                 | min. |         |              |
|                           |                            |         |                                                     |                                                                       |                  |     |    |      |      |      |      |    |                                      |      |         |              |
|                           |                            |         | Code                                                |                                                                       |                  |     |    |      |      |      |      |    |                                      |      |         |              |
| Closed unit               |                            |         |                                                     |                                                                       |                  |     |    |      |      |      |      |    |                                      |      |         |              |
| 30                        | 25                         | F 1205  | 64433                                               | 681702                                                                | 70               | 98  | 11 | 22,5 | 18,5 | 11   | 36,5 | 52 | 50                                   | 47   | 1205    | 0,36         |
| 35                        | 30                         | F 1206  | 65811                                               | 681712                                                                | 83               | 110 | 11 | 26   | 19   | 11   | 40   | 62 | 60                                   | 52   | 1206    | 0,53         |
| 40                        | 35                         | F 1207  | 63978                                               | 681722                                                                | 92               | 120 | 11 | 26   | 19,5 | 11   | 39,5 | 72 | 70                                   | 60   | 1207    | 0,62         |
| 40*                       | 35*                        | SF1207  | 699782                                              | 699802                                                                | 83               | 110 | 11 | 26   | 19   | 10   | 39   | 72 | 70                                   | 60   | 1207    | 0,60         |
| 45                        | 40                         | F 1208  | 68876                                               | 681732                                                                | 102              | 131 | 11 | 30   | 24,5 | 15,5 | 45   | 80 | 78                                   | 65   | 1208    | 0,85         |
| 45*                       | 40*                        | SF 1208 | 69988                                               | 681742                                                                | 83               | 110 | 11 | 26   | 19   | 10   | 39   | 80 | 78                                   | 65   | 1208    | 0,78         |
| Open unit                 |                            |         |                                                     |                                                                       |                  |     |    |      |      |      |      |    |                                      |      |         |              |
| 30                        | 25                         | F 1205  | 64483                                               | 681752                                                                | 70               | 98  | 11 | 22,5 | 18,5 | 11   | 36,5 | 52 | 50                                   | 47   | 1205    | 0,36         |
| 35                        | 30                         | F 1206  | 65901                                               | 681762                                                                | 83               | 110 | 11 | 26   | 19   | 11   | 40   | 62 | 60                                   | 52   | 1206    | 0,53         |
| 40                        | 35                         | F 1207  | 63988                                               | 681772                                                                | 92               | 120 | 11 | 26   | 19,5 | 11   | 39,5 | 72 | 70                                   | 60   | 1207    | 0,62         |
| 40*                       | 35*                        | SF1207  | 699792                                              | 699812                                                                | 83               | 110 | 11 | 26   | 19   | 10   | 39   | 72 | 70                                   | 60   | 1207    | 0,60         |
| 45                        | 40                         | F 1208  | 68886                                               | 681782                                                                | 102              | 131 | 11 | 30   | 24,5 | 15,5 | 45   | 80 | 78                                   | 65   | 1208    | 0,85         |
| 45*                       | 40*                        | SF 1208 | 69998                                               | 681792                                                                | 83               | 110 | 11 | 26   | 19   | 10   | 39   | 80 | 78                                   | 65   | 1208    | 0,78         |

\* = Version with special fixing holes

1) = Dimensions Df max / Df min must be respected to ensure positive retention of the seals and to allow air bleeding during lubrication.

Packaging : 6 pieces.

INDICATIVE GUIDE LINES  
FOR PRODUCT AVAILABILITIES:
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# Oval flange bearing units

## UCFL/C-HCFL/C



- **Waterproof housing**
- **Grub screws or eccentric collar shaft locking**
- **PAFV polyamide housing**  
High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents.
- **PPFV polypropylene housing**  
Proof to highly aggressive chemical agents. Inferior loading ability.
- **Solid flange bearings**  
They differ from standard flange versions for their closed surface structure, ideal for sanitification.
- **Supports with Microban® antibacterial protection**  
Microban® material is effective against the most common bacteria that may grow in foodstuff like E. Coli, Salmonella, Listeria, S-Aureus, Campylobacter.



### Material

#### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Protection cover in polypropylene PP (orange) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304

#### PAFV polyamide housing with Microban®

Housing in reinforced polyamide PAFV resin (grey) with Microban® • Protection cover in polypropylene PP (red) with Microban® • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304

#### PPFV polypropylene housing with Microban®

Housing in reinforced polypropylene PPFV resin (white) with Microban® • Protection cover in polypropylene PP (red) with Microban® • Seal and O-Ring in NBR rubber (black). On request supplied in Viton rubber (brown). Viton material offers high resistance to chemical agents • Ball type stainless steel AISI 316 greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 316.

### Loads

| Shaft dia.<br>d<br>mm | Bearing load                 |                  |                                    | Bearing unit max. static load                                                         |            |                                                                                       |            |
|-----------------------|------------------------------|------------------|------------------------------------|---------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------|------------|
|                       | Load coefficient             |                  | Max. <sup>1)</sup> axial load<br>N |  |            |  |            |
|                       | dyn. <sup>1)</sup><br>C<br>N | stat.<br>Co<br>N |                                    | PA FV<br>N                                                                            | PP FV<br>N | PA FV<br>N                                                                            | PP FV<br>N |
| 17                    | 9500                         | 4750             | 1900                               | 9775                                                                                  | 6325       | 9775                                                                                  | 6900       |
| 20                    | 12700                        | 6550             | 2540                               | 9775                                                                                  | 6325       | 9775                                                                                  | 6900       |
| 25                    | 14000                        | 7800             | 2800                               | 10925                                                                                 | 7475       | 11500                                                                                 | 7475       |
| 25*                   | 14000                        | 7800             | 2800                               | 10925                                                                                 | 7475       | 11500                                                                                 | 7475       |
| 30                    | 19500                        | 11200            | 3900                               | 14950                                                                                 | 9200       | 14375                                                                                 | 11500      |
| 30*                   | 19500                        | 11200            | 3900                               | 14950                                                                                 | 9200       | 14375                                                                                 | 11500      |
| 35                    | 25500                        | 15300            | 5100                               | 14950                                                                                 | 9200       | 13225                                                                                 | 10925      |
| 35*                   | 25500                        | 15300            | 5100                               | 14950                                                                                 | 9200       | 14375                                                                                 | 11500      |
| 40                    | 30700                        | 19000            | 6140                               | 14950                                                                                 | 9775       | 14950                                                                                 | 10925      |
| 40*                   | 30700                        | 19000            | 6140                               | 14950                                                                                 | 9200       | 14375                                                                                 | 11500      |

\*= Version with special fixing holes

<sup>1)</sup> = Values are valid for applications with ≤ h 6 shaft tolerance. Time 0.77 values must be considered in all other cases.

### Continuous operating temperature

in air : - 20 to + 60°C.

### Maximum allowed misalignment: 2°.

### Bearing



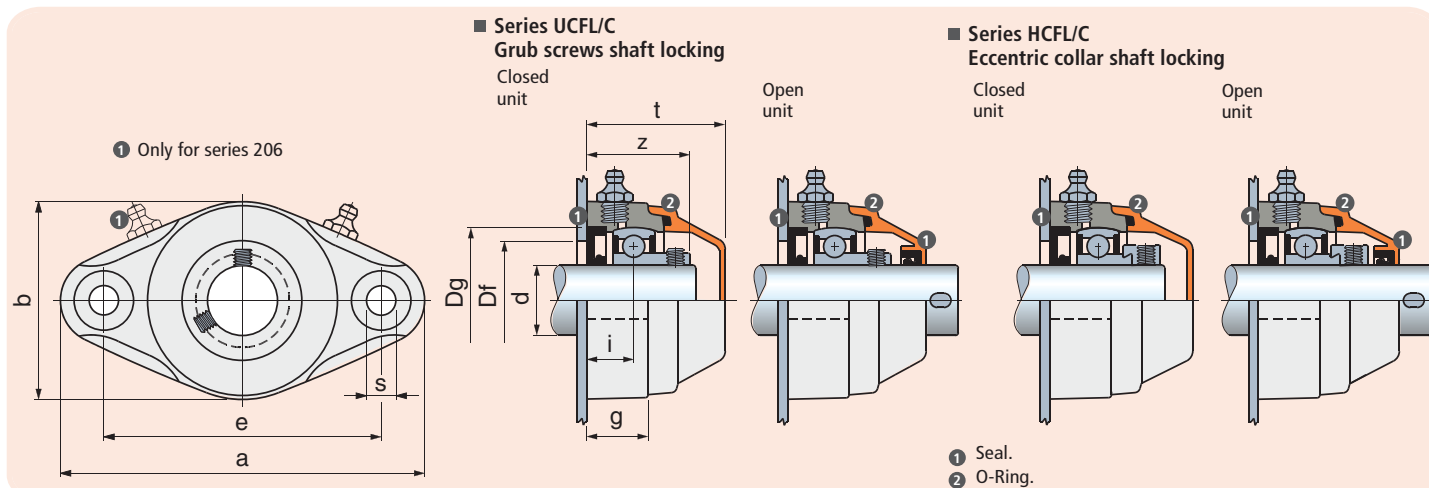
Series YAT (grub screws shaft locking) • Series YET (eccentric collar shaft locking) • Chrome alloy steel • Superagriseal unit • Prelubricated with lithium/ calcium grease • Can be relubricated

### Quick coupler for remote lubrication (accessory)



Code : 67843.

The system foresees semirigid dia. 4 mm tubes made out of Rilsan/Nylon. The tubes are connected to the joints by means of rapid graft.  
Material nickel plated brass.  
Dimension : 1/8 Gas.



Housing material

|                                              |             | Housing material                                                         |                                                                                  |                                                                                       | Dimensions in mm |     |     |    |      |      |      |      |    |      | Bore in frame <sup>2)</sup><br>Df |         | Weight<br>Kg | Spare parts     |                                |      |  |
|----------------------------------------------|-------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------|-----|-----|----|------|------|------|------|----|------|-----------------------------------|---------|--------------|-----------------|--------------------------------|------|--|
| dia.<br>d<br>mm                              | Series      | Polyamide<br>PA FV<br>Standard<br>Flange<br>(black)<br>Cover<br>(orange) | Polyamide<br>PA FV with<br>Microban®<br>Solid Flange<br>(grey)<br>Cover<br>(red) | Polypropylene<br>PP FV with<br>Microban®<br>Solid Flange<br>(white)<br>Cover<br>(red) | e                | a   | b   | s  | g    | i    | z    | t    | Dg | max. | min.                              | Bearing |              | Cover<br>orange | Cover<br>red with<br>Microban® |      |  |
|                                              |             | Code                                                                     |                                                                                  |                                                                                       |                  |     |     |    |      |      |      |      |    |      |                                   |         |              |                 |                                | Code |  |
| Grub screws shaft locking • Closed unit      |             |                                                                          |                                                                                  |                                                                                       |                  |     |     |    |      |      |      |      |    |      |                                   |         |              |                 |                                |      |  |
| 17*                                          | SUCFL 203 C | 603763                                                                   | 603783                                                                           | 603803                                                                                | 90               | 116 | 62  | 11 | 20   | 15,2 | 31,1 | 46   | 40 | 38   | 33                                | YAT 203 | 0,22         | 681942          | 681982                         |      |  |
| 20                                           | UCFL 204 C  | 69016                                                                    | 650972                                                                           | 679652                                                                                | 90               | 116 | 62  | 11 | 20   | 15,2 | 33,5 | 46   | 47 | 45   | 40                                | YAT 204 | 0,25         | 681942          | 681982                         |      |  |
| 25                                           | UCFL 205 C  | 68523                                                                    | 650982                                                                           | 679662                                                                                | 99               | 130 | 71  | 11 | 22,5 | 16,8 | 36,3 | 49,5 | 52 | 50   | 45                                | YAT 205 | 0,33         | 681952          | 681992                         |      |  |
| 25*                                          | SUCFL 205 C | 687562 <sup>3)</sup>                                                     | 687642                                                                           | 687722                                                                                | 90               | 130 | 71  | 11 | 22,5 | 16,8 | 36,3 | 49,5 | 52 | 50   | 45                                | YAT 205 | 0,33         | 681952          | 681992                         |      |  |
| 30                                           | UCFL 206 C  | 68399                                                                    | 650992                                                                           | 679672                                                                                | 117              | 148 | 85  | 11 | 26   | 20   | 41   | 55   | 62 | 60   | 50                                | YAT 206 | 0,42         | 63154           | 653322                         |      |  |
| 30*                                          | SUCFL 206 C | 687572 <sup>3)</sup>                                                     | 687652                                                                           | 687732                                                                                | 99               | 148 | 85  | 11 | 26   | 20   | 41   | 55   | 62 | 60   | 50                                | YAT 206 | 0,42         | 63154           | 653322                         |      |  |
| 35                                           | UCFL 207 C  | 648131                                                                   | 651002                                                                           | 679682                                                                                | 130              | 162 | 93  | 11 | 26   | 19,5 | 45   | 59   | 72 | 70   | 55                                | YAT 207 | 0,65         | 682022          | 682042                         |      |  |
| 35*                                          | SUCFL 207 C | 697702 <sup>3)</sup>                                                     | 697782                                                                           | 697862                                                                                | 117              | 148 | 112 | 11 | 26   | 19,5 | 43   | 62   | 72 | 70   | 55                                | YAT 207 | 0,70         | 63539           | 653342                         |      |  |
| 40                                           | UCFL 208 C  | 672411                                                                   | 651012                                                                           | 679692                                                                                | 144              | 176 | 102 | 11 | 30   | 22   | 47,3 | 65,5 | 80 | 78   | 65                                | YAT 208 | 0,90         | 63539           | 653342                         |      |  |
| 40*                                          | SUCFL 208 C | 697712 <sup>3)</sup>                                                     | 697792                                                                           | 697872                                                                                | 117              | 148 | 112 | 11 | 26   | 19   | 45   | 62   | 80 | 78   | 65                                | YAT 208 | 0,74         | 63539           | 653342                         |      |  |
| Grub screws shaft locking • Open unit        |             |                                                                          |                                                                                  |                                                                                       |                  |     |     |    |      |      |      |      |    |      |                                   |         |              |                 |                                |      |  |
| 17*                                          | SUCFL 203 C | 603813                                                                   | 603833                                                                           | 603853                                                                                | 90               | 116 | 62  | 11 | 20   | 15,2 | 31,1 | 46   | 40 | 38   | 33                                | YAT 203 | 0,22         | 696162          | 696172                         |      |  |
| 20                                           | UCFL 204 C  | 69026                                                                    | 651072                                                                           | 679702                                                                                | 90               | 116 | 62  | 11 | 20   | 15,2 | 33,5 | 46   | 47 | 45   | 40                                | YAT 204 | 0,25         | 681962          | 682002                         |      |  |
| 25                                           | UCFL 205 C  | 68533                                                                    | 651082                                                                           | 679712                                                                                | 99               | 130 | 71  | 11 | 22,5 | 16,8 | 36,3 | 49,5 | 52 | 50   | 45                                | YAT 205 | 0,33         | 681972          | 682012                         |      |  |
| 25*                                          | SUCFL 205 C | 687582 <sup>3)</sup>                                                     | 687662                                                                           | 687742                                                                                | 90               | 130 | 71  | 11 | 22,5 | 16,8 | 36,3 | 49,5 | 52 | 50   | 45                                | YAT 205 | 0,33         | 681972          | 682012                         |      |  |
| 30                                           | UCFL 206 C  | 68409                                                                    | 651092                                                                           | 679722                                                                                | 117              | 148 | 85  | 11 | 26   | 20   | 41   | 55   | 62 | 60   | 50                                | YAT 206 | 0,42         | 69965           | 653442                         |      |  |
| 30*                                          | SUCFL 206 C | 687592 <sup>3)</sup>                                                     | 687672                                                                           | 687752                                                                                | 99               | 148 | 85  | 11 | 26   | 20   | 41   | 55   | 62 | 60   | 50                                | YAT 206 | 0,42         | 69965           | 653442                         |      |  |
| 35                                           | UCFL 207 C  | 648141                                                                   | 651102                                                                           | 679732                                                                                | 130              | 162 | 93  | 11 | 26   | 19,5 | 45   | 59   | 72 | 70   | 55                                | YAT 207 | 0,65         | 682032          | 682052                         |      |  |
| 35*                                          | SUCFL 207 C | 697722 <sup>3)</sup>                                                     | 697802                                                                           | 697882                                                                                | 117              | 148 | 112 | 11 | 26   | 19,5 | 43   | 62   | 72 | 70   | 55                                | YAT 207 | 0,70         | 615692          | 669202                         |      |  |
| 40                                           | UCFL 208 C  | 672421                                                                   | 651112                                                                           | 679742                                                                                | 144              | 176 | 102 | 11 | 30   | 22   | 47,3 | 65,5 | 80 | 78   | 65                                | YAT 208 | 0,90         | 63549           | 653462                         |      |  |
| 40*                                          | SUCFL 208 C | 697732 <sup>3)</sup>                                                     | 697812                                                                           | 697892                                                                                | 117              | 148 | 112 | 11 | 26   | 19   | 45   | 62   | 80 | 78   | 65                                | YAT 208 | 0,74         | 63549           | 653462                         |      |  |
| Eccentric collar shaft locking • Closed unit |             |                                                                          |                                                                                  |                                                                                       |                  |     |     |    |      |      |      |      |    |      |                                   |         |              |                 |                                |      |  |
| 17*                                          | SHCFL 203 C | 603863                                                                   | 603883                                                                           | 603903                                                                                | 90               | 116 | 62  | 11 | 20   | 15,2 | 37,3 | 49   | 40 | 38   | 33                                | YET 203 | 0,27         | 681942          | 681982                         |      |  |
| 20                                           | HCFL 204 C  | 679052                                                                   | 679352                                                                           | 679752                                                                                | 90               | 116 | 62  | 11 | 20   | 15,2 | 38,7 | 49   | 47 | 45   | 40                                | YET 204 | 0,30         | 681942          | 681982                         |      |  |
| 25                                           | HCFL 205 C  | 679062                                                                   | 679362                                                                           | 679762                                                                                | 99               | 130 | 71  | 11 | 22,5 | 16,8 | 40,3 | 49,5 | 52 | 50   | 45                                | YET 205 | 0,37         | 681952          | 681992                         |      |  |
| 25*                                          | SHCFL 205 C | 687602 <sup>3)</sup>                                                     | 687682                                                                           | 687762                                                                                | 90               | 130 | 71  | 11 | 22,5 | 16,8 | 40,3 | 49,5 | 52 | 50   | 45                                | YET 205 | 0,37         | 681952          | 681992                         |      |  |
| 30                                           | HCFL 206 C  | 679072                                                                   | 679372                                                                           | 679772                                                                                | 117              | 148 | 85  | 11 | 26   | 20   | 46,7 | 55   | 62 | 60   | 50                                | YET 206 | 0,49         | 63154           | 653322                         |      |  |
| 30*                                          | SHCFL 206 C | 687612 <sup>3)</sup>                                                     | 687692                                                                           | 687772                                                                                | 99               | 148 | 85  | 11 | 26   | 20   | 46,7 | 55   | 62 | 60   | 50                                | YET 206 | 0,49         | 63154           | 653322                         |      |  |
| 35                                           | HCFL 207 C  | 679082                                                                   | 679382                                                                           | 679782                                                                                | 130              | 162 | 93  | 11 | 26   | 19,5 | 48,9 | 59   | 72 | 70   | 55                                | YET 207 | 0,83         | 682022          | 682042                         |      |  |
| 35*                                          | SHCFL 207 C | 697742 <sup>3)</sup>                                                     | 697822                                                                           | 697902                                                                                | 117              | 148 | 112 | 11 | 26   | 19,5 | 48,4 | 62   | 72 | 70   | 55                                | YET 207 | 0,88         | 63539           | 653342                         |      |  |
| 40                                           | HCFL 208 C  | 679092                                                                   | 679392                                                                           | 679792                                                                                | 144              | 176 | 102 | 11 | 30   | 22   | 54,7 | 71   | 80 | 78   | 65                                | YET 208 | 1,09         | 600882          | 653352                         |      |  |
| 40*                                          | SHCFL 208 C | 697752 <sup>3)</sup>                                                     | 697832                                                                           | 697912                                                                                | 117              | 148 | 112 | 11 | 26   | 19   | 51,7 | 68   | 80 | 78   | 65                                | YET 208 | 0,93         | 600882          | 653352                         |      |  |
| Eccentric collar shaft locking • Open unit   |             |                                                                          |                                                                                  |                                                                                       |                  |     |     |    |      |      |      |      |    |      |                                   |         |              |                 |                                |      |  |
| 17*                                          | SHCFL 203 C | 603913                                                                   | 603933                                                                           | 603953                                                                                | 90               | 116 | 62  | 11 | 20   | 15,2 | 37,3 | 49   | 40 | 38   | 33                                | YET 203 | 0,27         | 696162          | 696172                         |      |  |
| 20                                           | HCFL 204 C  | 679102                                                                   | 679402                                                                           | 679802                                                                                | 90               | 116 | 62  | 11 | 20   | 15,2 | 38,7 | 49   | 47 | 45   | 40                                | YET 204 | 0,30         | 681962          | 682002                         |      |  |
| 25                                           | HCFL 205 C  | 679112                                                                   | 679412                                                                           | 679812                                                                                | 99               | 130 | 71  | 11 | 22,5 | 16,8 | 40,3 | 49,5 | 52 | 50   | 45                                | YET 205 | 0,37         | 681972          | 682012                         |      |  |
| 25*                                          | SHCFL 205 C | 687622 <sup>3)</sup>                                                     | 687702                                                                           | 687782                                                                                | 90               | 130 | 71  | 11 | 22,5 | 16,8 | 40,3 | 49,5 | 52 | 50   | 45                                | YET 205 | 0,37         | 681972          | 682012                         |      |  |
| 30                                           | HCFL 206 C  | 679122                                                                   | 679422                                                                           | 679822                                                                                | 117              | 148 | 85  | 11 | 26   | 20   | 46,7 | 55   | 62 | 60   | 50                                | YET 206 | 0,49         | 69965           | 653442                         |      |  |
| 30*                                          | SHCFL 206 C | 687632 <sup>3)</sup>                                                     | 687712                                                                           | 687792                                                                                | 99               | 148 | 85  | 11 | 26   | 20   | 46,7 | 55   | 62 | 60   | 50                                | YET 206 | 0,49         | 69965           | 653442                         |      |  |
| 35                                           | HCFL 207 C  | 679132                                                                   | 679432                                                                           | 679832                                                                                | 130              | 162 | 93  | 11 | 26   | 19,5 | 48,9 | 59   | 72 | 70   | 55                                | YET 207 | 0,83         | 682032          | 682052                         |      |  |
| 35*                                          | SHCFL 207 C | 697762 <sup>3)</sup>                                                     | 697842                                                                           | 697922                                                                                | 117              | 148 | 112 | 11 | 26   | 19,5 | 48,4 | 62   | 72 | 70   | 55                                | YET 207 | 0,88         | 615692          | 669202                         |      |  |
| 40                                           | HCFL 208 C  | 679142                                                                   | 679442                                                                           | 679842                                                                                | 144              | 176 | 102 | 11 | 30   | 23   | 54,7 | 54,7 | 80 | 78   | 65                                | YET 208 | 1,09         | 600892          | 653472                         |      |  |
| 40*                                          | SHCFL 208 C | 697772 <sup>3)</sup>                                                     | 697852                                                                           | 697932                                                                                | 117              | 148 | 112 | 11 | 26   | 19   | 51,7 | 68   | 80 | 78   | 65                                | YET 208 | 0,93         | 600892          | 653472                         |      |  |

\* = Version with special fixing holes

SUCFL206C/SHCFL206C: Assembly with cylindrical head screws

2) = Dimensions Df max / Df min must be respected to ensure positive retention of the seals and to allow air bleeding during lubrication.

3) = Solid flange

Packaging : 6 pieces.

INDICATIVE GUIDE LINES

FOR PRODUCT AVAILABILITIES:

On stock

Please, contact our customer  
service for delivery timesOn request for appropriate  
suitable quantities



# Oval flange bearing units UCFL/CL-HCFL/CL

LIFE  
LUBRICATED



Dry use recommended



- **Life lubricated** The ball-bearings are pre-lubricated with a special grease keeping the bearing for its whole life. No need for re-lubrication (see page B58 to calculate the grease life)
- **Grub screws or eccentric collar shaft locking**
- **PAFV polyamide housing.** High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents.
- **PPFV polypropylene housing.** Proof to highly aggressive chemical agents. Inferior loading ability.
- **Solid flange bearings.** They differ from standard flange versions for their closed surface structure, ideal for sanification.
- **Supports with Microban® antibacterial protection**  
Microban® material is effective against the most common bacteria that may grow in foodstuff like E. Coli, Salmonella, Listeria, S-Aureus, Campylobacter.



## Material

### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Protection cover in polypropylene PP (orange) • Seal and O-Ring in NBR rubber (black) • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304

### PAFV polyamide housing with Microban®

Housing in reinforced polyamide PAFV resin (grey) with Microban® • Protection cover in polypropylene PP (red) with Microban® • Seal and O-Ring in NBR rubber (black) • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304

### PPFV polypropylene housing with Microban®

Housing in reinforced polypropylene PPFV resin (white) with Microban® • Protection cover in polypropylene PP (red) with Microban® • Seal and O-Ring in NBR rubber (black). On request supplied in Viton rubber (brown). Viton material offers high resistance to chemical agents • Reinforcing bushings on mounting holes and washers in stainless steel AISI 316.

## Loads

| Shaft<br>dia.<br>d<br>mm | Bearing load        |                  |                            | Bearing unit max.<br>static load                                                      |            |                                                                                       |            |
|--------------------------|---------------------|------------------|----------------------------|---------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------|------------|
|                          | Load<br>coefficient |                  | Max.<br>axial<br>load<br>N |  |            |  |            |
|                          | dyn. 1)             | stat.<br>Co<br>N |                            | PA FV<br>N                                                                            | PP FV<br>N | PA FV<br>N                                                                            | PP FV<br>N |
| 17                       | 9500                | 4750             | 1900                       | 9775                                                                                  | 6325       | 9775                                                                                  | 6900       |
| 20                       | 12700               | 6550             | 2540                       | 9775                                                                                  | 6325       | 9775                                                                                  | 6900       |
| 25                       | 14000               | 7800             | 2800                       | 10925                                                                                 | 7475       | 11500                                                                                 | 7475       |
| 25*                      | 14000               | 7800             | 2800                       | 10925                                                                                 | 7475       | 11500                                                                                 | 7475       |
| 30                       | 19500               | 11200            | 3900                       | 14950                                                                                 | 9200       | 14375                                                                                 | 11500      |
| 30*                      | 19500               | 11200            | 3900                       | 14950                                                                                 | 9200       | 14375                                                                                 | 11500      |
| 35                       | 25500               | 15300            | 5100                       | 14950                                                                                 | 9200       | 13225                                                                                 | 10925      |
| 35*                      | 25500               | 15300            | 5100                       | —                                                                                     | —          | —                                                                                     | —          |
| 40                       | 30700               | 19000            | 6140                       | 14950                                                                                 | 9775       | 14950                                                                                 | 10925      |

\* = Version with special fixing holes

1) = Values are valid for applications with  $\leq h 6$  shaft tolerance. Time 0,77 values must be considered in all other cases.

## Continuous operating temperature

in air : - 20 to + 60°C.

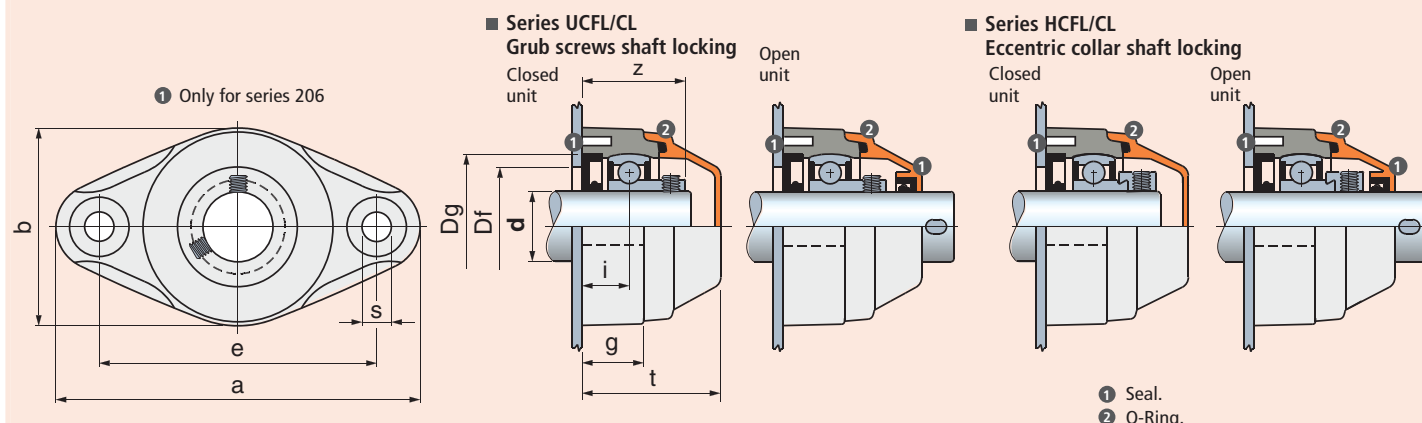
## Maximum allowed misalignment: 2°.

## Bearing



Series YAT (grub screws shaft locking) • Series YET (eccentric collar shaft locking) • Chrome alloy steel • Superagriseal unit • Prelubricated with lithium/ calcium grease

## UCFL/CL-HCFL/CL



| Housing material                             |              |     |     |                                                                          |                                                                                  |                                                                                       |                  |    |      |      |      |      |      |         |                                      |                 |                                |        |             |  |  |  |
|----------------------------------------------|--------------|-----|-----|--------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------|----|------|------|------|------|------|---------|--------------------------------------|-----------------|--------------------------------|--------|-------------|--|--|--|
| dia.<br>d<br>mm                              | Series       | e   | a   | Polyamide<br>PA FV<br>Standard<br>Flange<br>(black)<br>Cover<br>(orange) | Polyamide<br>PA FV with<br>Microban®<br>Solid Flange<br>(grey)<br>Cover<br>(red) | Polypropylene<br>PP FV with<br>Microban®<br>Solid Flange<br>(white)<br>Cover<br>(red) | Dimensions in mm |    |      |      |      |      |      |         | Bore in<br>frame <sup>2)</sup><br>Df |                 | Weight                         |        | Spare parts |  |  |  |
|                                              |              |     |     | Code                                                                     | b                                                                                | s                                                                                     | g                | i  | z    | t    | Dg   | max. | min. | Bearing | Kg                                   | Cover<br>orange | Cover<br>red with<br>Microban® |        |             |  |  |  |
|                                              |              |     |     |                                                                          |                                                                                  |                                                                                       |                  |    |      |      |      |      |      |         |                                      | Code            |                                |        |             |  |  |  |
| Grub screws shaft locking • Closed unit      |              |     |     |                                                                          |                                                                                  |                                                                                       |                  |    |      |      |      |      |      |         |                                      |                 |                                |        |             |  |  |  |
| 20                                           | UCFL 204 CL  | 90  | 116 | 69016L                                                                   | 650972L                                                                          | 679652L                                                                               | 62               | 11 | 20   | 15,2 | 33,5 | 46   | 47   | 45      | 40                                   | YAT 204         | 0,25                           | 681942 | 681982      |  |  |  |
| 25                                           | UCFL 205 CL  | 99  | 130 | 68523L                                                                   | 650982L                                                                          | 679662L                                                                               | 71               | 11 | 22,5 | 16,8 | 36,3 | 49,5 | 52   | 50      | 45                                   | YAT 205         | 0,33                           | 681952 | 681992      |  |  |  |
| 25*                                          | SUCFL 205 CL | 90  | 130 | 687562L <sup>2)</sup>                                                    | 687642L                                                                          | 687722L                                                                               | 71               | 11 | 22,5 | 16,8 | 36,3 | 49,5 | 52   | 50      | 45                                   | YAT 205         | 0,33                           | 681952 | 681992      |  |  |  |
| 30                                           | UCFL 206 CL  | 117 | 148 | 68399L                                                                   | 650992L                                                                          | 679672L                                                                               | 85               | 11 | 26   | 20   | 41   | 55   | 62   | 60      | 50                                   | YAT 206         | 0,42                           | 63154  | 653322      |  |  |  |
| 30*                                          | SUCFL 206 CL | 99  | 148 | 687572L <sup>2)</sup>                                                    | 687652L                                                                          | 687732L                                                                               | 85               | 11 | 26   | 20   | 41   | 55   | 62   | 60      | 50                                   | YAT 206         | 0,42                           | 63154  | 653322      |  |  |  |
| 35                                           | UCFL 207 CL  | 130 | 162 | 648131L                                                                  | 651002L                                                                          | 679682L                                                                               | 93               | 11 | 26   | 19,5 | 45   | 59   | 72   | 70      | 55                                   | YAT 207         | 0,65                           | 682022 | 682042      |  |  |  |
| 35*                                          | SUCFL 207 CL | 117 | 148 | 697702L <sup>2)</sup>                                                    | 697782L                                                                          | 697862L                                                                               | 112              | 11 | 26   | 19,5 | 43   | 62   | 72   | 70      | 55                                   | YAT 207         | 0,70                           | 63539  | 653342      |  |  |  |
| 40                                           | UCFL 208 CL  | 144 | 176 | 672411L                                                                  | 651012L                                                                          | 679692L                                                                               | 102              | 11 | 30   | 23   | 52   | 65,5 | 80   | 78      | 65                                   | YAT 208         | 0,90                           | 63539  | 653342      |  |  |  |
| 40*                                          | SUCFL 208 CL | 117 | 148 | 697712L <sup>2)</sup>                                                    | 697792L                                                                          | 697872L                                                                               | 112              | 11 | 26   | 19   | 45   | 62   | 80   | 78      | 65                                   | YAT 208         | 0,74                           | 63539  | 653342      |  |  |  |
| Grub screws shaft locking • Open unit        |              |     |     |                                                                          |                                                                                  |                                                                                       |                  |    |      |      |      |      |      |         |                                      |                 |                                |        |             |  |  |  |
| 20                                           | UCFL 204 CL  | 90  | 116 | 69026L                                                                   | 651072L                                                                          | 679702L                                                                               | 62               | 11 | 20   | 15,2 | 33,5 | 46   | 47   | 45      | 40                                   | YAT 204         | 0,25                           | 681962 | 682002      |  |  |  |
| 25                                           | UCFL 205 CL  | 99  | 130 | 68533L                                                                   | 651082L                                                                          | 679712L                                                                               | 71               | 11 | 22,5 | 16,8 | 36,3 | 49,5 | 52   | 50      | 45                                   | YAT 205         | 0,33                           | 681972 | 682012      |  |  |  |
| 25*                                          | SUCFL 205 CL | 90  | 130 | 687582L <sup>2)</sup>                                                    | 687662L                                                                          | 687742L                                                                               | 71               | 11 | 22,5 | 16,8 | 36,3 | 49,5 | 52   | 50      | 45                                   | YAT 205         | 0,33                           | 681972 | 682012      |  |  |  |
| 30                                           | UCFL 206 CL  | 117 | 148 | 68409L                                                                   | 651092L                                                                          | 679722L                                                                               | 85               | 11 | 26   | 20   | 41   | 55   | 62   | 60      | 50                                   | YAT 206         | 0,42                           | 69965  | 653442      |  |  |  |
| 30*                                          | SUCFL 206 CL | 99  | 148 | 687592L <sup>2)</sup>                                                    | 687672L                                                                          | 687752L                                                                               | 85               | 11 | 26   | 20   | 41   | 55   | 62   | 60      | 50                                   | YAT 206         | 0,42                           | 69965  | 653442      |  |  |  |
| 35                                           | UCFL 207 CL  | 130 | 162 | 648141L                                                                  | 651102L                                                                          | 679732L                                                                               | 93               | 11 | 26   | 19,5 | 45   | 59   | 72   | 70      | 55                                   | YAT 207         | 0,65                           | 682032 | 682052      |  |  |  |
| 35*                                          | SUCFL 207 CL | 117 | 148 | 697722L <sup>2)</sup>                                                    | 697802L                                                                          | 697882L                                                                               | 112              | 11 | 26   | 19,5 | 43   | 62   | 72   | 70      | 55                                   | YAT 207         | 0,70                           | 615692 | 669202      |  |  |  |
| 40                                           | UCFL 208 CL  | 144 | 176 | 672421L                                                                  | 651112L                                                                          | 679742L                                                                               | 102              | 11 | 30   | 23   | 52   | 65,5 | 80   | 78      | 65                                   | YAT 208         | 0,90                           | 63549  | 653462      |  |  |  |
| 40*                                          | SUCFL 208 CL | 117 | 148 | 697732L <sup>2)</sup>                                                    | 697812L                                                                          | 697892L                                                                               | 112              | 11 | 26   | 19   | 45   | 62   | 80   | 78      | 65                                   | YAT 208         | 0,74                           | 63549  | 653462      |  |  |  |
| Eccentric collar shaft locking • Closed unit |              |     |     |                                                                          |                                                                                  |                                                                                       |                  |    |      |      |      |      |      |         |                                      |                 |                                |        |             |  |  |  |
| 20                                           | HCFL 204 CL  | 90  | 116 | 679052L                                                                  | 679352L                                                                          | 679752L                                                                               | 62               | 11 | 20   | 15,2 | 38,7 | 49   | 47   | 45      | 40                                   | YET 204         | 0,30                           | 681942 | 681982      |  |  |  |
| 25                                           | HCFL 205 CL  | 99  | 130 | 679062L                                                                  | 679362L                                                                          | 679762L                                                                               | 71               | 11 | 22,5 | 16,8 | 40,3 | 49,5 | 52   | 50      | 45                                   | YET 205         | 0,37                           | 681952 | 681992      |  |  |  |
| 25*                                          | SHCFL 205 CL | 90  | 130 | 687602L <sup>2)</sup>                                                    | 687682L                                                                          | 687762L                                                                               | 71               | 11 | 22,5 | 16,8 | 40,3 | 49,5 | 52   | 50      | 45                                   | YET 205         | 0,37                           | 681952 | 681992      |  |  |  |
| 30                                           | HCFL 206 CL  | 117 | 148 | 679072L                                                                  | 679372L                                                                          | 679772L                                                                               | 85               | 11 | 26   | 20   | 46,7 | 55   | 62   | 60      | 50                                   | YET 206         | 0,49                           | 63154  | 653322      |  |  |  |
| 30*                                          | SHCFL 206 CL | 99  | 148 | 687612L <sup>2)</sup>                                                    | 687692L                                                                          | 687772L                                                                               | 85               | 11 | 26   | 20   | 46,7 | 55   | 62   | 60      | 50                                   | YET 206         | 0,49                           | 63154  | 653322      |  |  |  |
| 35                                           | HCFL 207 CL  | 130 | 162 | 679082L                                                                  | 679382L                                                                          | 679782L                                                                               | 93               | 11 | 26   | 19,5 | 48,9 | 59   | 72   | 70      | 55                                   | YET 207         | 0,83                           | 682022 | 682042      |  |  |  |
| 35*                                          | SHCFL 207 CL | 117 | 148 | 697742L <sup>2)</sup>                                                    | 697822L                                                                          | 697902L                                                                               | 112              | 11 | 26   | 19,5 | 48,4 | 62   | 72   | 70      | 55                                   | YET 207         | 0,88                           | 63539  | 653342      |  |  |  |
| 40                                           | HCFL 208 CL  | 144 | 176 | 679092L                                                                  | 679392L                                                                          | 679792L                                                                               | 102              | 11 | 30   | 23   | 55,7 | 71   | 80   | 78      | 65                                   | YET 208         | 1,09                           | 600882 | 653352      |  |  |  |
| 40*                                          | SHCFL 208 CL | 117 | 148 | 697752L <sup>2)</sup>                                                    | 697832L                                                                          | 697912L                                                                               | 112              | 11 | 26   | 19   | 51,7 | 68   | 80   | 78      | 65                                   | YET 208         | 0,93                           | 600882 | 653352      |  |  |  |
| Eccentric collar shaft locking • Open unit   |              |     |     |                                                                          |                                                                                  |                                                                                       |                  |    |      |      |      |      |      |         |                                      |                 |                                |        |             |  |  |  |
| 20                                           | HCFL 204 CL  | 90  | 116 | 679102L                                                                  | 679402L                                                                          | 679802L                                                                               | 62               | 11 | 20   | 15,2 | 38,7 | 49   | 47   | 45      | 40                                   | YET 204         | 0,30                           | 681962 | 682002      |  |  |  |
| 25                                           | HCFL 205 CL  | 99  | 130 | 679112L                                                                  | 679412L                                                                          | 679812L                                                                               | 71               | 11 | 22,5 | 16,8 | 40,3 | 49,5 | 52   | 50      | 45                                   | YET 205         | 0,37                           | 681972 | 682012      |  |  |  |
| 25*                                          | SHCFL 205 CL | 90  | 130 | 687622L <sup>2)</sup>                                                    | 687702L                                                                          | 687782L                                                                               | 71               | 11 | 22,5 | 16,8 | 40,3 | 49,5 | 52   | 50      | 45                                   | YET 205         | 0,37                           | 681972 | 682012      |  |  |  |
| 30                                           | HCFL 206 CL  | 117 | 148 | 679122L                                                                  | 679422L                                                                          | 679822L                                                                               | 85               | 11 | 26   | 20   | 46,7 | 55   | 62   | 60      | 50                                   | YET 206         | 0,49                           | 69965  | 653442      |  |  |  |
| 30*                                          | SHCFL 206 CL | 99  | 148 | 687632L <sup>2)</sup>                                                    | 687712L                                                                          | 687792L                                                                               | 85               | 11 | 26   | 20   | 46,7 | 55   | 62   | 60      | 50                                   | YET 206         | 0,49                           | 69965  | 653442      |  |  |  |
| 35                                           | HCFL 207 CL  | 130 | 162 | 679132L                                                                  | 679432L                                                                          | 679832L                                                                               | 93               | 11 | 26   | 19,5 | 48,9 | 59   | 72   | 70      | 55                                   | YET 207         | 0,83                           | 682032 | 682052      |  |  |  |
| 35*                                          | SHCFL 207 CL | 117 | 148 | 697762L <sup>2)</sup>                                                    | 697842L                                                                          | 697922L                                                                               | 112              | 11 | 26   | 19,5 | 48,4 | 62   | 72   | 70      | 55                                   | YET 207         | 0,88                           | 615692 | 669202      |  |  |  |
| 40                                           | HCFL 208 CL  | 144 | 176 | 679142L                                                                  | 679442L                                                                          | 679842L                                                                               | 102              | 11 | 30   | 23   | 55,7 | 71   | 80   | 78      | 65                                   | YET 208         | 1,09                           | 600892 | 653472      |  |  |  |
| 40*                                          | SHCFL 208 CL | 117 | 148 | 697772L <sup>2)</sup>                                                    | 697852L                                                                          | 697932L                                                                               | 112              | 11 | 26   | 19   | 51,7 | 68   | 80   | 78      | 65                                   | YET 208         | 0,93                           | 600892 | 653472      |  |  |  |

\* = Version with special fixing holes

SUCFL206C/SHCFL206C: Assembly with cylindrical head screws

2) = Dimensions Df max / Df min must be respected to ensure positive retention of the seals and to allow air bleeding during lubrication.

3) = Solid flange

Packaging : 6 pieces.

INDICATIVE GUIDE LINES  
FOR PRODUCT AVAILABILITIES:

On stock

Please, contact our customer  
service for delivery times

On request for appropriate  
suitable quantities

# Oval flange bearing units

## UCFL-HCFL



Accessories



### Material

#### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304.

#### PAFV polyamide housing with Microban®

Housing in reinforced polyamide PAFV resin (grey) with Microban® • Bearing in stainless steel AISI 420 • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304.

#### PPFV polypropylene housing with Microban®

Housing in reinforced polypropylene PPFV resin (white) with Microban® • Bearing in stainless steel AISI 420 • Ball type stainless steel AISI 316 greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 316.

### Continuous operating temperature

in air : - 20 to + 60°C.

### Maximum allowed misalignment: 2°.

### Bearing

Series YAR 2F (grub screws shaft locking, chrome alloy steel, Superagriseal unit plus centrifuging ring) • Series YAR 2RF (grub screws shaft locking, stainless steel AISI 420, Superagriseal unit plus rubberised centrifuging ring) • Series YAT (grub screws shaft locking, chrome alloy steel, Superagriseal unit) • Series YET (eccentric collar shaft locking, chrome alloy steel, Superagriseal unit) • Prelubricated with lithium/ calcium grease • Can be relubricated

### Quick coupler for remote lubrication (accessory)



Code : 67843.

The system foresees semirigid dia. 4 mm tubes made out of Rilsan/Nylon. The tubes are connected to the joints by means of rapid graft.  
Material nickel plated brass.  
Dimension : 1/8 Gas.

- **Grub screws or eccentric collar shaft locking**
- **Version with bearing YAR 2F**  
The double ring guarantees maximum protection against dust and non-corrosive substances.
- **Version with stainless steel bearing YAR 2RF**  
AISI 420 stainless steel bearing with 2 rubberised rings, provides excellent seal against humidity, steams, liquids, medium corrosive chemical agents. Maximum load ability is inferior.
- **Version with bearing YAT**  
The rubberised ring guarantees maximum protection against dusts.
- **Supports with Microban® antibacterial protection**  
Microban® material is effective against the most common bacteria that may grow in foodstuff like E. Coli, Salmonella, Listeria, S-Aureus, Campylobacter.
- **Material**  
Polyamide PA FV guarantees maximum strength and high-temperature resistance.  
Polypropylene PP FV offers excellent resistance to chemical agents but inferior load ability.



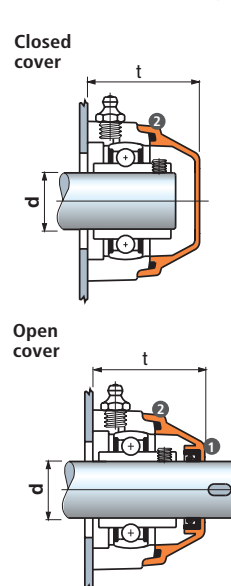
### Loads

| Shaft dia.<br>d<br>mm | Bearing load<br>YAR 2F - YAT - YET |                  |                      | Bearing load<br>YAR 2RF      |                  |                      | Bearing unit max.<br>static load |            |
|-----------------------|------------------------------------|------------------|----------------------|------------------------------|------------------|----------------------|----------------------------------|------------|
|                       | Load coefficient                   |                  | Max. axial load<br>N | Load coefficient             |                  | Max. axial load<br>N | PA FV<br>N                       | PA FV<br>N |
|                       | dyn. <sup>1)</sup><br>C<br>N       | stat.<br>Co<br>N |                      | dyn. <sup>1)</sup><br>C<br>N | stat.<br>Co<br>N |                      |                                  |            |
| 17*                   | 9500                               | 4750             | 1900                 | 8000                         | 4750             | 1600                 | 9775                             | 9775       |
| 20                    | 12700                              | 6550             | 2540                 | 10800                        | 6550             | 2160                 | 9775                             | 9775       |
| 25                    | 14000                              | 7800             | 2800                 | 11900                        | 7800             | 2380                 | 10925                            | 11500      |
| 25*                   | 14000                              | 7800             | 2800                 | 11900                        | 7800             | 2380                 | 10925                            | 11500      |
| 30                    | 19500                              | 11200            | 3900                 | 16250                        | 11200            | 3250                 | 14950                            | 14375      |
| 30*                   | 19500                              | 11200            | 3900                 | 16250                        | 11200            | 3250                 | 14950                            | 14375      |
| 35                    | 25500                              | 15300            | 5100                 | 21600                        | 15300            | 4320                 | 14950                            | 13225      |
| 35*                   | 25500                              | 15300            | 5100                 | 21600                        | 15300            | 4320                 | —                                | —          |
| 40                    | 30700                              | 19000            | 6140                 | 26000                        | 19000            | 5200                 | 14950                            | 14950      |
| 40*                   | 30700                              | 19000            | 6140                 | 26000                        | 19000            | 5200                 | —                                | —          |

\* = Version with special fixing holes

1) = Values are valid for applications with  $\pm 0.06$  shaft tolerance. Time 0.77 values must be considered in all other cases.

### Protection covers (accessories)



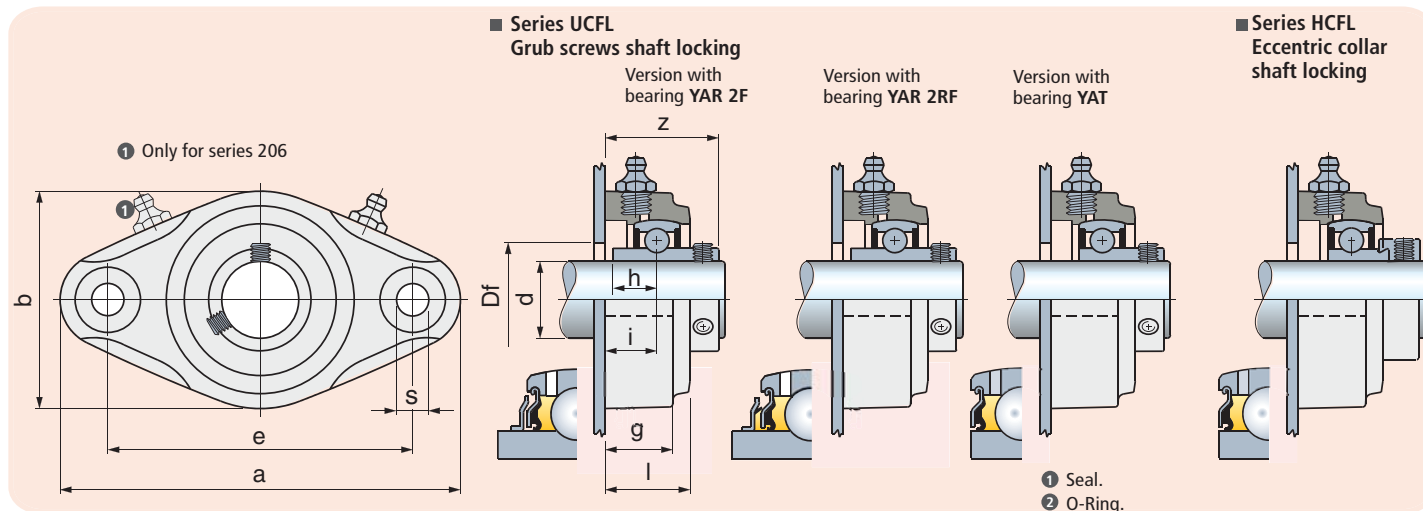
- ① Seals
- ② Seals O-Ring

| Accessories                      |                 |              |      |      |      |
|----------------------------------|-----------------|--------------|------|------|------|
| dia.<br>d<br>mm                  | Cover<br>orange | Cover<br>red |      |      |      |
|                                  | Microban®       |              | t    |      |      |
|                                  | Code            |              | mm   | UCFL | HCFL |
| Closed cover supplied with seals |                 |              |      |      |      |
| 17*                              | 681942          | 681982       | 46   | 49   |      |
| 20                               | 681942          | 681982       | 46   | 49   |      |
| 25                               | 681952          | 681992       | 49,5 | 49,5 |      |
| 25*                              | 681952          | 681992       | 49,5 | 49,5 |      |
| 30                               | 63154           | 653322       | 55   | 55   |      |
| 30*                              | 63154           | 653322       | 55   | 55   |      |
| 35                               | 682022          | 682042       | 59   | 59   |      |
| 35*                              | 63539           | 653342       | 62   | 62   |      |
| 40 1)                            | 63539           | 653342       | 65,5 | —    |      |
| 40 2)                            | 600882          | 653352       | —    | 71   |      |
| Open cover supplied with seals   |                 |              |      |      |      |
| 17*                              | 696162          | 696172       | 46   | 49   |      |
| 20                               | 681962          | 682002       | 46   | 49   |      |
| 25                               | 681972          | 682012       | 49,5 | 49,5 |      |
| 25*                              | 681972          | 682012       | 49,5 | 49,5 |      |
| 30                               | 69965           | 653442       | 55   | 55   |      |
| 30*                              | 69965           | 653442       | 55   | 55   |      |
| 35                               | 682032          | 682052       | 59   | 59   |      |
| 35*                              | 615692          | 669202       | 62   | 62   |      |
| 40 1)                            | 63549           | 653462       | 65,5 | —    |      |
| 40 2)                            | 600892          | 653472       | —    | 71   |      |

\* = Version with special fixing holes

1) = Protection cover for bearing unit with grub screws shaft locking  
2) = Protection cover for bearing unit with eccentric collar shaft locking

## UCFL-HCFL



|                                                                          |           | Housing material                                    |                                                                |                                                                     |                  |     |     |    |      |      |      |      |      |      |             | Bore in<br>frame<br>Df<br>mm | Bearing | Weight<br>Kg |
|--------------------------------------------------------------------------|-----------|-----------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------|------------------|-----|-----|----|------|------|------|------|------|------|-------------|------------------------------|---------|--------------|
| dia.<br>d<br>mm                                                          | Series    | Polyamide<br>PA FV<br>Standard<br>Flange<br>(black) | Polyamide<br>PA FV with<br>Microban®<br>Solid Flange<br>(grey) | Polypropylene<br>PP FV with<br>Microban®<br>Solid Flange<br>(white) | Dimensions in mm |     |     |    |      |      |      |      |      |      |             |                              |         |              |
|                                                                          |           | Code                                                |                                                                |                                                                     |                  | e   | a   | b  | s    | g    | i    | h    | l    | z    |             |                              |         |              |
| Grub screws shaft locking • Version with bearing YAR 2F                  |           |                                                     |                                                                |                                                                     |                  |     |     |    |      |      |      |      |      |      |             |                              |         |              |
| 17*                                                                      | SUCFL 203 | 640982                                              | —                                                              | —                                                                   | 90               | 116 | 62  | 11 | 20   | 15,2 | 11,5 | 25,5 | 31,1 | 21   | YAR 203 2F  | 0,23                         |         |              |
| 20                                                                       | UCFL 204  | 69056                                               | —                                                              | —                                                                   | 90               | 116 | 62  | 11 | 20   | 15,2 | 12,7 | 25   | 33,5 | 24   | YAR 204 2F  | 0,25                         |         |              |
| 25                                                                       | UCFL 205  | 68563                                               | —                                                              | —                                                                   | 99               | 130 | 71  | 11 | 22,5 | 16,8 | 14,3 | 27,5 | 36,5 | 29   | YAR 205 2F  | 0,31                         |         |              |
| 25*                                                                      | SUCFL 205 | 687922 <sup>2)</sup>                                | —                                                              | —                                                                   | 90               | 130 | 71  | 11 | 22,5 | 16,8 | 14,3 | 27,5 | 36,5 | 29   | YAR 205 2F  | 0,31                         |         |              |
| 30                                                                       | UCFL 206  | 68439                                               | —                                                              | —                                                                   | 117              | 148 | 85  | 11 | 26   | 19   | 15,9 | 31,5 | 41,2 | 34   | YAR 206 2F  | 0,44                         |         |              |
| 30*                                                                      | SUCFL 206 | 687932 <sup>2)</sup>                                | —                                                              | —                                                                   | 99               | 148 | 85  | 11 | 26   | 19   | 15,9 | 31,5 | 41,2 | 34   | YAR 206 2F  | 0,44                         |         |              |
| 35                                                                       | UCFL 207  | 648171                                              | —                                                              | —                                                                   | 130              | 162 | 93  | 11 | 26   | 19,5 | 17,5 | 32   | 45   | 39   | YAR 207 2F  | 0,67                         |         |              |
| 35*                                                                      | SUCFL 207 | 602303 <sup>2)</sup>                                | —                                                              | —                                                                   | 117              | 148 | 112 | 11 | 26   | 19,5 | 17,5 | 33   | 43   | 39   | YAR 207 2F  | 0,68                         |         |              |
| 40                                                                       | UCFL 208  | 672451                                              | —                                                              | —                                                                   | 144              | 176 | 102 | 11 | 30   | 22   | 19   | 36   | 52   | 44   | YAR 208 2F  | 0,90                         |         |              |
| 40*                                                                      | SUCFL 208 | 602313 <sup>2)</sup>                                | —                                                              | —                                                                   | 117              | 148 | 112 | 11 | 26   | 19   | 19   | 33   | 45   | 44   | YAR 208 2F  | 0,72                         |         |              |
| Grub screws shaft locking • Version with stainless steel bearing YAR 2RF |           |                                                     |                                                                |                                                                     |                  |     |     |    |      |      |      |      |      |      |             |                              |         |              |
| 20                                                                       | UCFL 204  | 646542                                              | 680252                                                         | 680302                                                              | 90               | 116 | 62  | 11 | 20   | 15,2 | 12,7 | 25   | 33,5 | 24   | YAR 204 2RF | 0,25                         |         |              |
| 25                                                                       | UCFL 205  | 646552                                              | 680262                                                         | 680312                                                              | 99               | 130 | 71  | 11 | 22,5 | 16,8 | 14,3 | 27,5 | 36,5 | 29   | YAR 205 2RF | 0,31                         |         |              |
| 25*                                                                      | SUCFL 205 | 687942 <sup>2)</sup>                                | 687962                                                         | 687982                                                              | 90               | 130 | 71  | 11 | 22,5 | 16,8 | 14,3 | 27,5 | 36,5 | 29   | YAR 205 2RF | 0,31                         |         |              |
| 30                                                                       | UCFL 206  | 646562                                              | 680272                                                         | 680322                                                              | 117              | 148 | 85  | 11 | 26   | 19   | 15,9 | 31,5 | 41,2 | 34   | YAR 206 2RF | 0,44                         |         |              |
| 30*                                                                      | SUCFL 206 | 687952 <sup>2)</sup>                                | 687972                                                         | 687992                                                              | 99               | 148 | 85  | 11 | 26   | 19   | 15,9 | 31,5 | 41,2 | 34   | YAR 206 2RF | 0,44                         |         |              |
| 35                                                                       | UCFL 207  | 646572                                              | 680282                                                         | 680332                                                              | 130              | 162 | 93  | 11 | 26   | 19,5 | 17,5 | 32   | 45   | 39   | YAR 207 2RF | 0,67                         |         |              |
| 35*                                                                      | SUCFL 207 | 602323 <sup>2)</sup>                                | 697942                                                         | 697962                                                              | 117              | 148 | 112 | 11 | 26   | 19,5 | 17,5 | 33   | 43   | 39   | YAR 207 2RF | 0,68                         |         |              |
| 40                                                                       | UCFL 208  | 646582                                              | 680292                                                         | 680342                                                              | 144              | 176 | 102 | 11 | 30   | 22   | 19   | 36   | 52   | 44   | YAR 208 2RF | 0,90                         |         |              |
| 40*                                                                      | SUCFL 208 | 602333 <sup>2)</sup>                                | 697952                                                         | 697972                                                              | 117              | 148 | 112 | 11 | 26   | 19   | 19   | 33   | 45   | 44   | YAR 208 2RF | 0,72                         |         |              |
| Grub screws shaft locking • Version with bearing YAT                     |           |                                                     |                                                                |                                                                     |                  |     |     |    |      |      |      |      |      |      |             |                              |         |              |
| 17*                                                                      | SUCFL 203 | 603963                                              | 603983                                                         | 604003                                                              | 90               | 116 | 62  | 11 | 20   | 15,2 | —    | 25,5 | 31,1 | 21   | YAT 203     | 0,21                         |         |              |
| 20                                                                       | UCFL 204  | 655482                                              | 666562                                                         | 680152                                                              | 90               | 116 | 62  | 11 | 20   | 15,2 | —    | 25   | 33,5 | 24   | YAT 204     | 0,23                         |         |              |
| 25                                                                       | UCFL 205  | 655472                                              | 666572                                                         | 680162                                                              | 99               | 130 | 71  | 11 | 22,5 | 16,8 | —    | 27,5 | 36,3 | 29   | YAT 205     | 0,31                         |         |              |
| 25*                                                                      | SUCFL 205 | 687802 <sup>2)</sup>                                | 687842                                                         | 687882                                                              | 90               | 130 | 71  | 11 | 22,5 | 16,8 | —    | 27,5 | 36,3 | 29   | YAT 205     | 0,31                         |         |              |
| 30                                                                       | UCFL 206  | 666412                                              | 666582                                                         | 680172                                                              | 117              | 148 | 85  | 11 | 26   | 20   | —    | 31,5 | 41   | 34   | YAT 206     | 0,39                         |         |              |
| 30*                                                                      | SUCFL 206 | 687812 <sup>2)</sup>                                | 687852                                                         | 687892                                                              | 99               | 148 | 85  | 11 | 26   | 20   | —    | 31,5 | 41   | 34   | YAT 206     | 0,39                         |         |              |
| 35                                                                       | UCFL 207  | 666422                                              | 666592                                                         | 680182                                                              | 130              | 162 | 93  | 11 | 26   | 19,5 | —    | 32   | 45   | 39   | YAT 207     | 0,62                         |         |              |
| 35*                                                                      | SUCFL 207 | 602183 <sup>2)</sup>                                | 602223                                                         | 602263                                                              | 117              | 148 | 112 | 11 | 26   | 19,5 | —    | 33   | 43   | 39   | YAT 207     | 0,86                         |         |              |
| 40                                                                       | UCFL 208  | 666432                                              | 666602                                                         | 680192                                                              | 144              | 176 | 102 | 11 | 30   | 22   | —    | 36   | 52   | 44   | YAT 208     | 0,86                         |         |              |
| 40*                                                                      | SUCFL 208 | 602193 <sup>2)</sup>                                | 602233                                                         | 602273                                                              | 117              | 148 | 112 | 11 | 26   | 19   | —    | 33   | 45   | 44   | YAT 208     | 0,91                         |         |              |
| Eccentric collar shaft locking                                           |           |                                                     |                                                                |                                                                     |                  |     |     |    |      |      |      |      |      |      |             |                              |         |              |
| 17*                                                                      | SHCFL 203 | 604013                                              | 604033                                                         | 604053                                                              | 90               | 116 | 62  | 11 | 20   | 15,2 | —    | 25,5 | 37,3 | 21   | YET 203     | 0,26                         |         |              |
| 20                                                                       | HCFL 204  | 679852                                              | 680002                                                         | 680202                                                              | 90               | 116 | 62  | 11 | 20   | 15,2 | —    | 25   | 38,7 | 24   | YET 204     | 0,28                         |         |              |
| 25                                                                       | HCFL 205  | 679862                                              | 680012                                                         | 680212                                                              | 99               | 130 | 71  | 11 | 22,5 | 16,8 | —    | 27,5 | 40,3 | 29   | YET 205     | 0,35                         |         |              |
| 25*                                                                      | SHCFL 205 | 687822 <sup>2)</sup>                                | 687862                                                         | 687902                                                              | 90               | 130 | 71  | 11 | 22,5 | 16,8 | —    | 27,5 | 40,3 | 29   | YET 205     | 0,35                         |         |              |
| 30                                                                       | HCFL 206  | 679872                                              | 680022                                                         | 680222                                                              | 117              | 148 | 85  | 11 | 26   | 20   | —    | 31,5 | 46,7 | 34   | YET 206     | 0,46                         |         |              |
| 30*                                                                      | SHCFL 206 | 687832 <sup>2)</sup>                                | 687872                                                         | 687912                                                              | 99               | 148 | 85  | 11 | 26   | 20   | —    | 31,5 | 46,7 | 34   | YET 206     | 0,46                         |         |              |
| 35                                                                       | HCFL 207  | 679882                                              | 680032                                                         | 680232                                                              | 130              | 162 | 93  | 11 | 26   | 19,5 | —    | 32   | 48,9 | 39   | YET 207     | 0,79                         |         |              |
| 35*                                                                      | SHCFL 207 | 602203 <sup>2)</sup>                                | 602243                                                         | 602283                                                              | 117              | 148 | 112 | 11 | 26   | 19,5 | —    | 33   | 49   | 48,4 | YET 207     | 0,86                         |         |              |
| 40                                                                       | HCFL 208  | 679892                                              | 680042                                                         | 680242                                                              | 144              | 176 | 102 | 11 | 30   | 22   | —    | 36   | 55,7 | 44   | YET 208     | 1,05                         |         |              |
| 40*                                                                      | SHCFL 208 | 602213 <sup>2)</sup>                                | 602253                                                         | 602293                                                              | 117              | 148 | 112 | 11 | 26   | 19   | —    | 33   | 54   | 51,7 | YET 208     | 0,91                         |         |              |

\* = Version with special fixing holes

SUCFL/SHCFL: Assembly with cylindrical head screws

2) = Solid flange

Packaging : 6 pieces.

INDICATIVE GUIDE LINES  
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On request for appropriate  
suitable quantities

# Oval flange bearing units

## UCFLS/C-HCFLS/C



PATENT PENDING

- Austenitic stainless steel surface
  - Waterproof housing
  - Grub screws or eccentric collar shaft locking
  - Solid flange
- Patent pending design with perfect seal: rubber makes one-body with steel and engineering plastic bearing seat.

### Material

Housing in reinforced polyamide PAFV resin (black) • Austenitic stainless steel AISI 316 surface • Protection cover in polypropylene PP (orange) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple.

### Continuous operating temperature

in air : - 20 to + 60°C.

### Maximum allowed misalignment: 2°.

### Bearing



Series YAT (grub screws shaft locking) • Series YET (eccentric collar shaft locking) • Chrome alloy steel • Superagriseal unit • Prelubricated with lithium/ calcium grease • Can be relubricated

### Quick coupler for remote lubrication (accessory)



Code : 67843.

The system foresees semirigid dia. 4 mm tubes made out of Rilsan/Nylon. The tubes are connected to the joints by means of rapid graft.  
Material nickel plated brass.  
Dimension : 1/8 Gas.

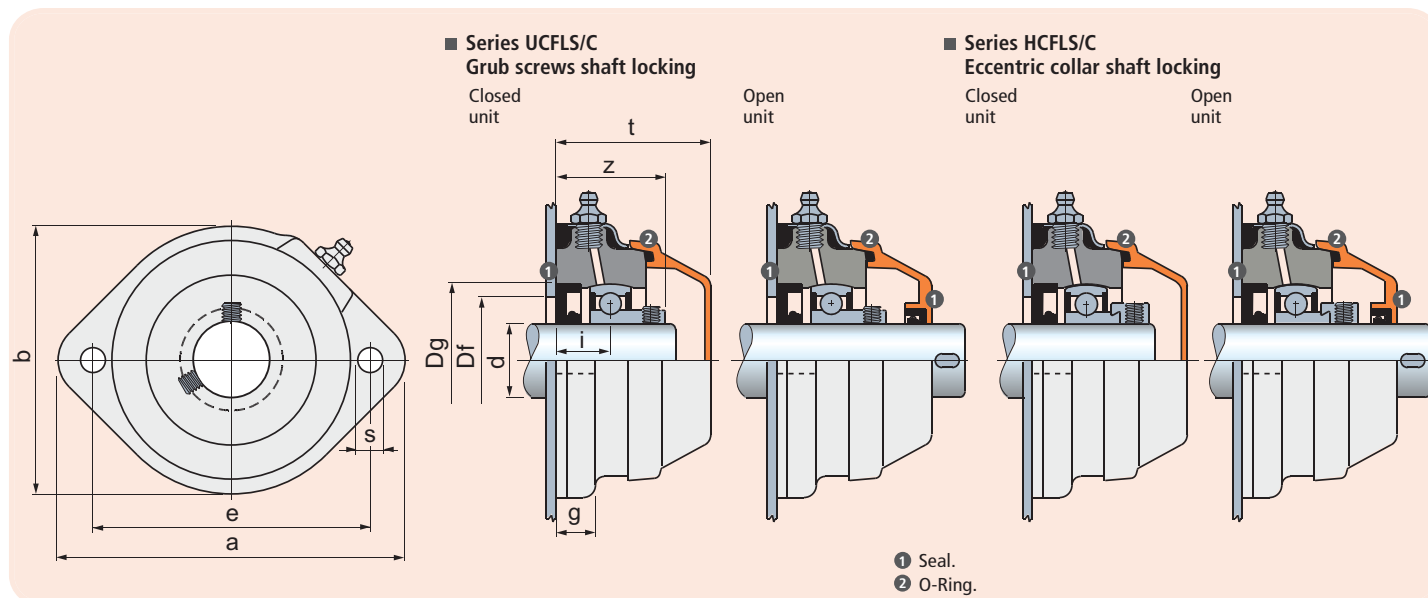
### Loads

| Shaft<br>dia.<br>d<br>mm | Bearing load        |                  |                            | Bearing unit max.<br>static load                                                                 |                                                                                                  |
|--------------------------|---------------------|------------------|----------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|                          | Load<br>coefficient |                  | Max.<br>axial<br>load<br>N |  PA FV<br>N |  PA FV<br>N |
|                          | dyn.1)<br>C<br>N    | stat.<br>Co<br>N |                            |                                                                                                  |                                                                                                  |
| 30                       | 19500               | 11200            | 3900                       | 14950                                                                                            | 14375                                                                                            |
| 35*                      | 25500               | 15300            | 5100                       | 14950                                                                                            | 13225                                                                                            |
| 40*                      | 30700               | 19000            | 6140                       | 14950                                                                                            | 14950                                                                                            |

\* = Version with special fixing holes

1) = Values are valid for applications with  $\leq h 6$  shaft tolerance. Time 0.77 values must be considered in all other cases.





|                                              |              | Housing material                                                                                      |     |     |     |                  |      |    |      |      |      |                                   |    |         |              |                         |             |  |
|----------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------|-----|-----|-----|------------------|------|----|------|------|------|-----------------------------------|----|---------|--------------|-------------------------|-------------|--|
|                                              |              | Polyamide<br>PA FV with austenitic<br>stainless steel<br>surface<br>Solid Flange<br>Cover<br>(orange) |     |     |     |                  |      |    |      |      |      |                                   |    |         |              |                         | Spare parts |  |
| dia.<br>d<br>mm                              | Series       | Code                                                                                                  | e   | a   | b   | Dimensions in mm |      |    |      |      | Dg   | Bore in frame <sup>1)</sup><br>Df |    | Bearing | Weight<br>Kg | Cover<br>orange<br>Code |             |  |
|                                              |              |                                                                                                       | s   | g   | i   | z                | t    |    |      |      | max. | min.                              |    |         |              |                         |             |  |
| Grub screws shaft locking • Closed unit      |              |                                                                                                       |     |     |     |                  |      |    |      |      |      |                                   |    |         |              |                         |             |  |
| 30                                           | UCFLS 206 C  | 670792                                                                                                | 117 | 145 | 112 | 10,5             | 15,5 | 22 | 43   | 65,8 | 62   | 60                                | 50 | YAT 206 | 0,65         | 63539                   |             |  |
| 35*                                          | SUCFLS 207 C | 670802                                                                                                | 117 | 145 | 112 | 10,5             | 15,5 | 22 | 45,3 | 65,8 | 72   | 70                                | 55 | YAT 207 | 0,76         | 63539                   |             |  |
| 40*                                          | SUCFLS 208 C | 670812                                                                                                | 117 | 145 | 112 | 10,5             | 15,5 | 22 | 47,3 | 65,8 | 80   | 78                                | 65 | YAT 208 | 0,86         | 63539                   |             |  |
| Grub screws shaft locking • Open unit        |              |                                                                                                       |     |     |     |                  |      |    |      |      |      |                                   |    |         |              |                         |             |  |
| 30                                           | UCFLS 206 C  | 670822                                                                                                | 117 | 145 | 112 | 10,5             | 15,5 | 22 | 43   | 65,8 | 62   | 60                                | 50 | YAT 206 | 0,65         | 615682                  |             |  |
| 35*                                          | SUCFLS 207 C | 670832                                                                                                | 117 | 145 | 112 | 10,5             | 15,5 | 22 | 45,3 | 65,8 | 72   | 70                                | 55 | YAT 207 | 0,76         | 615692                  |             |  |
| 40*                                          | SUCFLS 208 C | 670842                                                                                                | 117 | 145 | 112 | 10,5             | 15,5 | 22 | 47,3 | 65,8 | 80   | 78                                | 65 | YAT 208 | 0,86         | 63549                   |             |  |
| Eccentric collar shaft locking • Closed unit |              |                                                                                                       |     |     |     |                  |      |    |      |      |      |                                   |    |         |              |                         |             |  |
| 30                                           | HCFLS 206 C  | 670852                                                                                                | 117 | 145 | 112 | 10,5             | 15,5 | 22 | 49   | 65,8 | 62   | 60                                | 50 | YET 206 | 0,72         | 63539                   |             |  |
| 35*                                          | SHCFLS 207 C | 670862                                                                                                | 117 | 145 | 112 | 10,5             | 15,5 | 22 | 51,4 | 65,8 | 72   | 70                                | 55 | YET 207 | 0,82         | 63539                   |             |  |
| 40*                                          | SHCFLS 208 C | 670872                                                                                                | 117 | 145 | 112 | 10,5             | 15,5 | 22 | 55   | 65,8 | 80   | 78                                | 65 | YET 208 | 0,92         | 63539                   |             |  |
| Eccentric collar shaft locking • Open unit   |              |                                                                                                       |     |     |     |                  |      |    |      |      |      |                                   |    |         |              |                         |             |  |
| 30                                           | HCFLS 206 C  | 670882                                                                                                | 117 | 145 | 112 | 10,5             | 15,5 | 22 | 49   | 65,8 | 62   | 60                                | 50 | YET 206 | 0,72         | 615682                  |             |  |
| 35*                                          | SHCFLS 207 C | 670892                                                                                                | 117 | 145 | 112 | 10,5             | 15,5 | 22 | 51,4 | 65,8 | 72   | 70                                | 55 | YET 207 | 0,82         | 615692                  |             |  |
| 40*                                          | SHCFLS 208 C | 670902                                                                                                | 117 | 145 | 112 | 10,5             | 15,5 | 22 | 55   | 65,8 | 80   | 78                                | 65 | YET 208 | 0,92         | 63549                   |             |  |

\*= Version with special fixing holes

1) = Dimensions Df max / Df min must be respected to ensure positive retention of the seals and to allow air bleeding during lubrication.

Packaging : 6 pieces.

INDICATIVE GUIDE LINES  
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# Oval flange bearing units

## FL



- **Waterproof housing**
- **Shaft shoulders locking**  
High axial load capacity.
- **PAFV polyamide housing**  
High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents
- **PPFV polypropylene housing**  
Proof to highly aggressive chemical agents.  
Inferior loading ability.

### Material

#### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304 .

#### PPFV polypropylene housing

Housing in reinforced polypropylene PPFV resin (black) • Seal and O-Ring in NBR rubber (black). On request supplied in Viton rubber (brown). Viton material offers high resistance to chemical agents • Ball type stainless steel AISI 316 greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 316.

### Continuous operating temperature

in air : - 20 to + 60°C.

### Maximum allowed misalignment: 2°.

### Bearing

Series 1200 self aligning ball bearing • Chrome alloy steel • Supplied without grease • To be prelubricated with lithium/calcium grease during first installation.

### Quick coupler for remote lubrication (accessory)

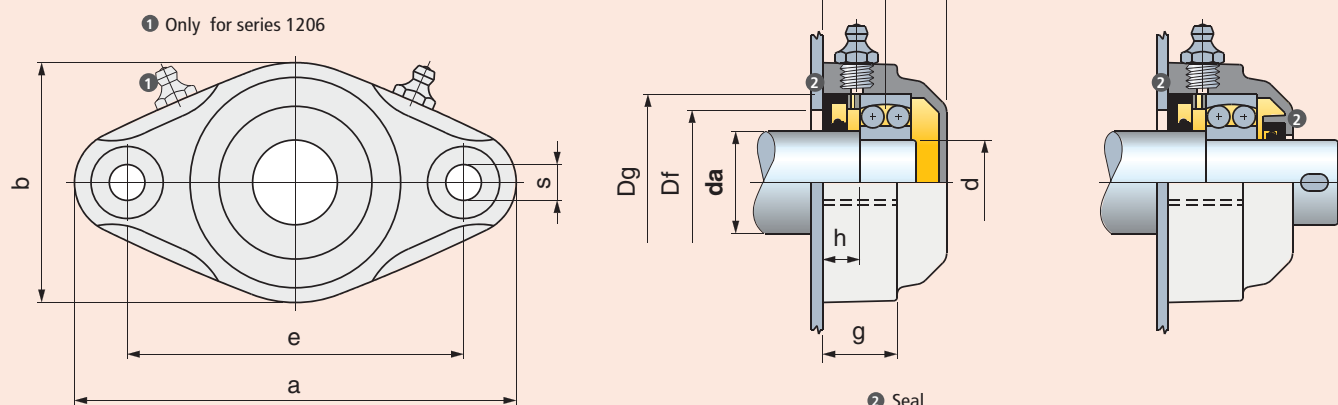


**Code : 67843.**

The system foresees semirigid dia. 4 mm tubes made out of Rilsan/Nylon. The tubes are connected to the joints by means of rapid graft.  
Material nickel plated brass.  
Dimension : 1/8 Gas.

### Loads

| Shaft dia.<br>da<br>mm | Bearing dia.<br>d<br>mm | Bearing load     |                  | Bearing unit max. static load |      |            |      |            |       |
|------------------------|-------------------------|------------------|------------------|-------------------------------|------|------------|------|------------|-------|
|                        |                         | Load coefficient |                  |                               |      |            |      |            |       |
|                        |                         | dyn.<br>C<br>N   | stat.<br>Co<br>N | PA FV<br>N                    |      | PP FV<br>N |      | PA FV<br>N |       |
| 25                     | 20                      | 12700            | 3400             | 9200                          | 6900 | 11500      | 8625 | 12650      | 5750  |
| 30                     | 25                      | 14300            | 4000             | 11500                         | 6900 | 12650      | 9200 | 13800      | 5750  |
| 35                     | 30                      | 15600            | 4650             | 11500                         | 9200 | 12650      | 9200 | 9200       | 4600  |
| 40                     | 35                      | 19000            | 6000             | 12650                         | 9200 | 12650      | 9200 | 13800      | 6900  |
| 45                     | 40                      | 19900            | 6950             | 12650                         | 9200 | 13800      | 9775 | 17250      | 12650 |



| Shaft<br>dia.<br>da<br>mm | Bearing<br>dia.<br>d<br>mm | Series  | Housing material                                    |                                                                       | Dimensions in mm |     |     |    |      |      |    |      |      |      | Bore in<br>frame <sup>1)</sup><br>Df |      | Bearing | Weight<br>Kg |
|---------------------------|----------------------------|---------|-----------------------------------------------------|-----------------------------------------------------------------------|------------------|-----|-----|----|------|------|----|------|------|------|--------------------------------------|------|---------|--------------|
|                           |                            |         | Polyamide<br>PA FV<br>Standard<br>Flange<br>(black) | Polypropylene<br>PP FV <sup>1)</sup><br>Standard<br>Flange<br>(black) |                  |     |     |    |      |      |    |      |      |      |                                      |      |         |              |
|                           |                            |         | Code                                                | e                                                                     | a                | b   | s   | g  | i    | h    | t  | Dg   | max. | min. |                                      |      |         |              |
|                           |                            |         | Closed unit                                         |                                                                       |                  |     |     |    |      |      |    |      |      |      |                                      |      |         |              |
| 25                        | 20                         | FL 1204 | 68976                                               | 680352                                                                | 90               | 116 | 62  | 11 | 20   | 18   | 11 | 35,5 | 47   | 45   | 40                                   | 1204 | 0,25    |              |
| 30                        | 25                         | FL 1205 | 68483                                               | 680362                                                                | 99               | 130 | 71  | 11 | 22,5 | 18,5 | 11 | 36,5 | 52   | 50   | 47                                   | 1205 | 0,29    |              |
| 35                        | 30                         | FL 1206 | 68339                                               | 680372                                                                | 117              | 148 | 85  | 11 | 26   | 19   | 11 | 40   | 62   | 60   | 52                                   | 1206 | 0,39    |              |
| 40                        | 35                         | FL 1207 | 648091                                              | 680382                                                                | 130              | 162 | 93  | 11 | 26   | 19,5 | 11 | 40   | 72   | 70   | 60                                   | 1207 | 0,55    |              |
| 45                        | 40                         | FL 1208 | 672371                                              | 680392                                                                | 144              | 176 | 102 | 11 | 30   | 25   | 16 | 45   | 80   | 78   | 65                                   | 1208 | 0,71    |              |
| Open unit                 |                            |         |                                                     |                                                                       |                  |     |     |    |      |      |    |      |      |      |                                      |      |         |              |
| 25                        | 20                         | FL 1204 | 68986                                               | 680402                                                                | 90               | 116 | 62  | 11 | 20   | 18   | 11 | 35,5 | 47   | 45   | 40                                   | 1204 | 0,25    |              |
| 30                        | 25                         | FL 1205 | 68493                                               | 680412                                                                | 99               | 130 | 71  | 11 | 22,5 | 18,5 | 11 | 36,5 | 52   | 50   | 47                                   | 1205 | 0,29    |              |
| 35                        | 30                         | FL 1206 | 68349                                               | 680422                                                                | 117              | 148 | 85  | 11 | 26   | 19   | 11 | 40   | 62   | 60   | 52                                   | 1206 | 0,39    |              |
| 40                        | 35                         | FL 1207 | 648101                                              | 680432                                                                | 130              | 162 | 93  | 11 | 26   | 19,5 | 11 | 40   | 72   | 70   | 60                                   | 1207 | 0,55    |              |
| 45                        | 40                         | FL 1208 | 672381                                              | 680442                                                                | 144              | 176 | 102 | 11 | 30   | 25   | 16 | 45   | 80   | 78   | 65                                   | 1208 | 0,71    |              |

1) = Dimensions Df max / Df min must be respected to ensure positive retention of the seals and to allow air bleeding during lubrication.  
Packaging : 6 pieces.

INDICATIVE GUIDE LINES  
FOR PRODUCT AVAILABILITIES:

■ On stock

■ On request for appropriate  
suitable quantities

# Pillow block type bearing units

## UCP/C-HCP/C



- **Waterproof housing**
- **Grub screws or eccentric collar shaft locking**
- **PAFV polyamide housing**  
High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents.
- **PPFV polypropylene housing**  
Proof to highly aggressive chemical agents. Inferior loading ability.
- **Supports with Microban® antibacterial protection**  
Microban® material is effective against the most common bacteria that may grow in foodstuff like E. Coli, Salmonella, Listeria, S-Aureus, Campylobacter.

### Material

#### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Protection cover in polypropylene PP (orange) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304 • Stainless steel AISI 303 safety ring • Bottom seal in PVC (black).

#### PAFV polyamide housing with Microban®

Housing in reinforced polyamide PAFV resin (grey) with Microban® • Protection cover in polypropylene PP (red) with Microban® • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304 • Stainless steel AISI 303 safety ring • Bottom seal in PVC (black).

#### PPFV polypropylene housing with Microban®

Housing in reinforced polypropylene PPFV resin (white) with Microban® • Protection cover in polypropylene PP (red) with Microban® • Seal and O-Ring in NBR rubber (black). On request supplied in Viton rubber (brown). Viton material offers high resistance to chemical agents • Ball type stainless steel AISI 316 greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 316 • Stainless steel AISI 303 safety ring • Bottom seal in PVC (black).

### Continuous operating temperature

in air : - 20 to + 60°C.

### Maximum allowed misalignment: 2°.

### Bearing



Series YAT (grub screws shaft locking) • Series YET (eccentric collar shaft locking) • Chrome alloy steel • Superagrisal unit • Prelubricated with lithium/ calcium grease • Can be relubricated

### Quick coupler for remote lubrication (accessory)



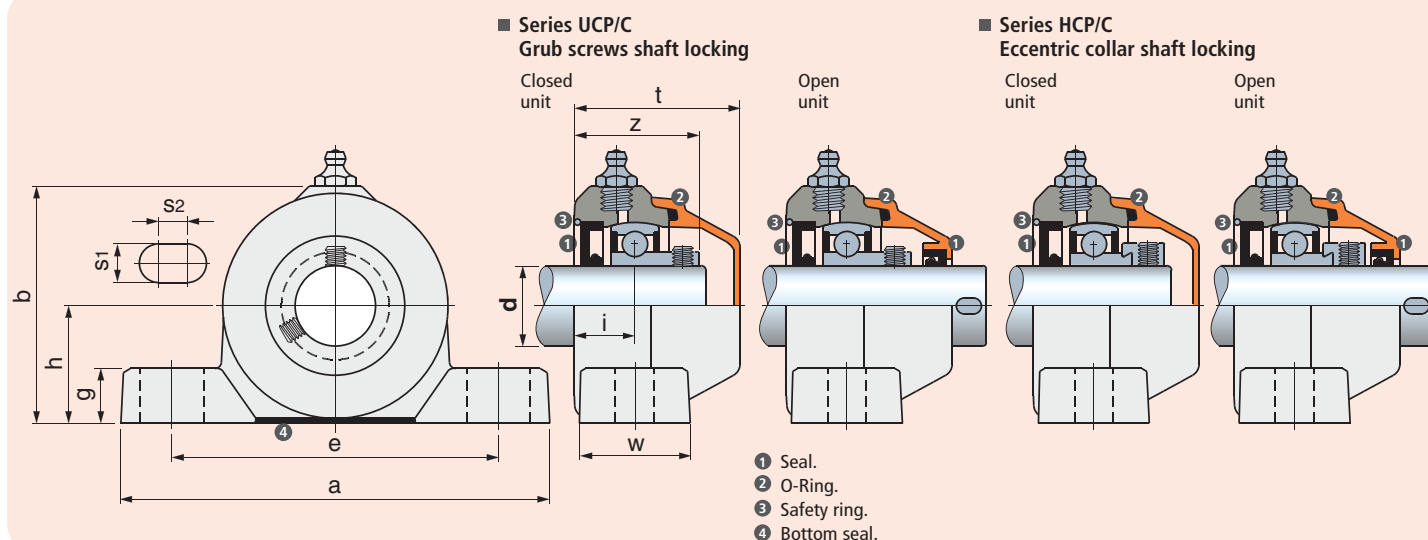
Code : 67843.

The system foresees semirigid dia. 4 mm tubes made out of Rilsan/Nylon. The tubes are connected to the joints by means of rapid graft. Material nickel plated brass. Dimension : 1/8 Gas.

### Loads

| Shaft dia.<br>d<br>mm | Bearing load                |                  |                               | Bearing unit max. static load |      |       |      |       |      |
|-----------------------|-----------------------------|------------------|-------------------------------|-------------------------------|------|-------|------|-------|------|
|                       | Load coefficient            |                  |                               | PA FV                         |      | PP FV |      | PA FV |      |
|                       | dyn <sup>1)</sup><br>C<br>N | stat.<br>Co<br>N | Max. 1)<br>axial<br>load<br>N | N                             | N    | N     | N    | N     | N    |
| 20                    | 12700                       | 6550             | 2540                          | 4600                          | 2070 | 20700 | 5750 | 5750  | 3450 |
| 25                    | 14000                       | 7800             | 2800                          | 6900                          | 2070 | 20700 | 5750 | 6900  | 3450 |
| 30                    | 19500                       | 11200            | 3900                          | 8050                          | 2300 | 28750 | 8050 | 9200  | 4600 |
| 35                    | 25500                       | 15300            | 5100                          | 9200                          | 2530 | 31050 | 8625 | 11500 | 4830 |
| 40                    | 30700                       | 19000            | 6140                          | 9200                          | 2530 | 31050 | 8625 | 11500 | 4830 |

1) = Values are valid for applications with ≤ h 6 shaft tolerance. Time 0,77 values must be considered in all other cases.



|                                              |           | Housing material                                             |                                                                         |                                                                              |                  |     |      |     |    |    |    |      |      |      |      |         |              | Spare parts     |                           |
|----------------------------------------------|-----------|--------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------|-----|------|-----|----|----|----|------|------|------|------|---------|--------------|-----------------|---------------------------|
| dia.<br>d<br>mm                              | Series    | Polyamide<br>PA FV<br>Flange<br>(black)<br>Cover<br>(orange) | Polyamide<br>PA FV with<br>Microban®<br>Flange (grey)<br>Cover<br>(red) | Polypropylene<br>PP FV with<br>Microban®<br>Flange (white)<br>Cover<br>(red) | Dimensions in mm |     |      |     |    |    |    |      |      |      |      |         | Weight<br>Kg | Cover<br>orange | Cover<br>red<br>Microban® |
|                                              |           | Code                                                         |                                                                         |                                                                              | e                | a   | h    | b   | s1 | s2 | g  | w    | i    | z    | t    | Bearing | Code         |                 |                           |
| Grub screws shaft locking • Closed unit      |           |                                                              |                                                                         |                                                                              |                  |     |      |     |    |    |    |      |      |      |      |         |              |                 |                           |
| 20                                           | UCP 204 C | 682941                                                       | 651452                                                                  | 678352                                                                       | 96               | 128 | 33,3 | 67  | 12 | 10 | 17 | 30   | 18,9 | 37,2 | 49,7 | YAT 204 | 0,27         | 681942          | 681982                    |
| 25                                           | UCP 205 C | 646511                                                       | 651462                                                                  | 678362                                                                       | 106              | 140 | 36,5 | 75  | 12 | 10 | 17 | 34,5 | 18,8 | 38,3 | 51,5 | YAT 205 | 0,33         | 681952          | 681992                    |
| 30                                           | UCP 206 C | 646531                                                       | 651472                                                                  | 678372                                                                       | 121              | 163 | 42,9 | 88  | 14 | 10 | 20 | 36   | 19,7 | 40,7 | 55   | YAT 206 | 0,49         | 63154           | 653322                    |
| 35                                           | UCP 207 C | 646551                                                       | 651482                                                                  | 678382                                                                       | 126              | 167 | 47,6 | 98  | 14 | 10 | 20 | 38,6 | 21,3 | 44,6 | 61   | YAT 207 | 0,64         | 682022          | 682042                    |
| 40                                           | UCP 208 C | 683041                                                       | 651492                                                                  | 678392                                                                       | 136              | 185 | 50   | 102 | 14 | 10 | 20 | 38,6 | 25   | 50,3 | 66,5 | YAT 208 | 0,84         | 63539           | 653342                    |
| Grub screws shaft locking • Open unit        |           |                                                              |                                                                         |                                                                              |                  |     |      |     |    |    |    |      |      |      |      |         |              |                 |                           |
| 20                                           | UCP 204 C | 682931                                                       | 651552                                                                  | 678402                                                                       | 96               | 128 | 33,3 | 67  | 12 | 10 | 17 | 30   | 18,9 | 37,2 | 49,7 | YAT 204 | 0,27         | 681962          | 682002                    |
| 25                                           | UCP 205 C | 646521                                                       | 651562                                                                  | 678412                                                                       | 106              | 140 | 36,5 | 75  | 12 | 10 | 17 | 34,5 | 18,8 | 38,3 | 51,5 | YAT 205 | 0,33         | 681972          | 682012                    |
| 30                                           | UCP 206 C | 646541                                                       | 651572                                                                  | 678422                                                                       | 121              | 163 | 42,9 | 88  | 14 | 10 | 20 | 36   | 19,7 | 40,7 | 55   | YAT 206 | 0,49         | 69965           | 653442                    |
| 35                                           | UCP 207 C | 646561                                                       | 651582                                                                  | 678432                                                                       | 126              | 167 | 47,6 | 98  | 14 | 10 | 20 | 38,6 | 21,3 | 44,6 | 61   | YAT 207 | 0,64         | 682032          | 682052                    |
| 40                                           | UCP 208 C | 683031                                                       | 651592                                                                  | 678442                                                                       | 136              | 185 | 50   | 102 | 14 | 10 | 20 | 38,6 | 25   | 50,3 | 66,5 | YAT 208 | 0,84         | 63549           | 653462                    |
| Eccentric collar shaft locking • Closed unit |           |                                                              |                                                                         |                                                                              |                  |     |      |     |    |    |    |      |      |      |      |         |              |                 |                           |
| 20                                           | HCP 204 C | 677952                                                       | 678052                                                                  | 678452                                                                       | 96               | 128 | 33,3 | 67  | 12 | 10 | 17 | 30   | 18,9 | 42,4 | 52   | YET 204 | 0,32         | 681942          | 681982                    |
| 25                                           | HCP 205 C | 677962                                                       | 678062                                                                  | 678462                                                                       | 106              | 140 | 36,5 | 75  | 12 | 10 | 17 | 34,5 | 18,8 | 42,3 | 51,5 | YET 205 | 0,37         | 681952          | 681992                    |
| 30                                           | HCP 206 C | 677972                                                       | 678072                                                                  | 678472                                                                       | 121              | 163 | 42,9 | 88  | 14 | 10 | 20 | 36   | 19,7 | 46,4 | 55   | YET 206 | 0,56         | 63154           | 653322                    |
| 35                                           | HCP 207 C | 677982                                                       | 678082                                                                  | 678482                                                                       | 126              | 167 | 47,6 | 98  | 14 | 10 | 20 | 38,6 | 21,3 | 50,7 | 61   | YET 207 | 0,82         | 682022          | 682042                    |
| 40                                           | HCP 208 C | 677992                                                       | 678092                                                                  | 678492                                                                       | 136              | 185 | 50   | 102 | 14 | 10 | 20 | 38,6 | 25   | 57,7 | 72   | YET 208 | 1,03         | 600882          | 653352                    |
| Eccentric collar shaft locking • Open unit   |           |                                                              |                                                                         |                                                                              |                  |     |      |     |    |    |    |      |      |      |      |         |              |                 |                           |
| 20                                           | HCP 204 C | 678002                                                       | 678102                                                                  | 678502                                                                       | 96               | 128 | 33,3 | 67  | 12 | 10 | 17 | 30   | 18,9 | 42,4 | 52   | YET 204 | 0,32         | 681962          | 682002                    |
| 25                                           | HCP 205 C | 678012                                                       | 678112                                                                  | 678512                                                                       | 106              | 140 | 36,5 | 75  | 12 | 10 | 17 | 34,5 | 18,8 | 42,3 | 51,5 | YET 205 | 0,37         | 681972          | 682012                    |
| 30                                           | HCP 206 C | 678022                                                       | 678122                                                                  | 678522                                                                       | 121              | 163 | 42,9 | 88  | 14 | 10 | 20 | 36   | 19,7 | 46,4 | 55   | YET 206 | 0,56         | 69965           | 653442                    |
| 35                                           | HCP 207 C | 678032                                                       | 678132                                                                  | 678532                                                                       | 126              | 167 | 47,6 | 98  | 14 | 10 | 20 | 38,6 | 21,3 | 50,7 | 61   | YET 207 | 0,82         | 682032          | 682052                    |
| 40                                           | HCP 208 C | 678042                                                       | 678142                                                                  | 678542                                                                       | 136              | 185 | 50   | 102 | 14 | 10 | 20 | 38,6 | 25   | 57,7 | 72   | YET 208 | 1,03         | 600892          | 653472                    |

Packaging : 6 pieces.

INDICATIVE GUIDE LINES  
FOR PRODUCT AVAILABILITIES:

On stock

 Please, contact our customer  
service for delivery times On request for appropriate  
suitable quantities

## ■ Spare parts

Safety  
ring

Seal



|                    |        | Housing metal                                          |                                                                      |                                                                           |
|--------------------|--------|--------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------|
| dia.<br>d<br>mm    |        | Polyamide<br>PA FV<br>Flange (black)<br>Cover (orange) | Polyamide<br>PA FV with<br>Microban®<br>Flange (grey)<br>Cover (red) | Polypropylene<br>PP FV with<br>Microban®<br>Flange (white)<br>Cover (red) |
| Code               |        |                                                        |                                                                      |                                                                           |
| <b>Safety ring</b> |        |                                                        |                                                                      |                                                                           |
| 20                 | 600982 | 600982                                                 | 600982                                                               | 600982                                                                    |
| 25                 | 646281 | 646281                                                 | 646281                                                               | 646281                                                                    |
| 30                 | 646291 | 646291                                                 | 646291                                                               | 646291                                                                    |
| 35                 | 646301 | 646301                                                 | 646301                                                               | 646301                                                                    |
| 40                 | 601052 | 601052                                                 | 601052                                                               | 601052                                                                    |
| <b>Seal</b>        |        |                                                        |                                                                      |                                                                           |
| 20                 | 692391 | 692391                                                 | 692391                                                               | 692391                                                                    |
| 25                 | 646251 | 646251                                                 | 646251                                                               | 646251                                                                    |
| 30                 | 646261 | 646261                                                 | 646261                                                               | 646261                                                                    |
| 35                 | 646271 | 646271                                                 | 646271                                                               | 646271                                                                    |
| 40                 | 692401 | 692401                                                 | 692401                                                               | 692401                                                                    |

# Pillow block type bearing units

## UCP-HCP



### Material

#### PA FV Polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304 • Bottom seal in PVC (black).

#### PA FV Polyamide housing with Microban®

Housing in reinforced polyamide PAFV resin (grey) with Microban® • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304 • Bottom seal in PVC (black).

#### PPFV polypropylene housing with Microban®

Housing in reinforced polypropylene PPFV resin (white) with Microban® • Ball type stainless steel AISI 316 greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 316 • Bottom seal in PVC (black).

### Continuous operating temperature

in air : - 20 to + 60°C.

### Maximum allowed misalignment: 2°.

### Bearing

Series YAR 2F (grub screws shaft locking, chrome alloy steel, Superagriseal unit plus centrifuging ring) • Series YAR 2RF (grub screws shaft locking, stainless steel AISI 420, Superagriseal unit plus rubberised centrifuging ring) • Series YAT (grub screws shaft locking, chrome alloy steel, Superagriseal unit) • Series YET (eccentric collar shaft locking, chrome alloy steel, Superagriseal unit) • Prelubricated with lithium/ calcium grease • Can be relubricated

### Quick coupler for remote lubrication (accessory)



Code : 67843.

The system foresees semirigid dia. 4 mm tubes made out of Rilsan/Nylon. The tubes are connected to the joints by means of rapid graft. Material nickel plated brass. Dimension : 1/8 Gas.

- Grub screws or eccentric collar shaft locking
- Version with bearing YAR 2F  
The double ring guarantees maximum protection against dust and non-corrosive substances.
- Version with stainless steel bearing YAR 2RF  
AISI 420 stainless steel bearing with 2 rubberised rings, provides excellent seal against humidity, steams, liquids, medium corrosive chemical agents. Maximum load ability is inferior.
- Version with bearing YAT  
The rubberised ring guarantees maximum protection against dusts.
- Supports with Microban® antibacterial protection  
Microban® material is effective against the most common bacteria that may grow in foodstuff like E. Coli, Salmonella, Listeria, S-Aureus, Campylobacter.
- Material  
Polyamide PA FV guarantees maximum strength and high-temperature resistance.  
Polypropylene PP FV offers excellent resistance to chemical agents but inferior load ability.

### Bearing unit max. static load

| Shaft dia.<br>d<br>mm | YAR 2F - YAT - YET |            | YAR 2RF    |            | YAT - YET  |            |
|-----------------------|--------------------|------------|------------|------------|------------|------------|
|                       | PA FV<br>N         | PP FV<br>N | PA FV<br>N | PP FV<br>N | PA FV<br>N | PP FV<br>N |
| 20                    | 4600               | 2070       | 20700      | 5750       | 5750       | 3450       |
| 25                    | 6900               | 2070       | 20700      | 5750       | 6900       | 3450       |
| 30                    | 8050               | 2300       | 28750      | 8050       | 9200       | 4600       |
| 35                    | 9200               | 2530       | 31050      | 8625       | 11500      | 4830       |
| 40                    | 9200               | 2530       | 31050      | 8625       | 11500      | 4830       |

### Bearing load

| Shaft dia.<br>d<br>mm | YAR 2F - YAT - YET |                  |                            | YAR 2RF          |                  |                            |
|-----------------------|--------------------|------------------|----------------------------|------------------|------------------|----------------------------|
|                       | Load coefficient   |                  | Max. 1)<br>axial load<br>N | Load coefficient |                  | Max. 1)<br>axial load<br>N |
|                       | dyn.1)<br>C<br>N   | stat.<br>Co<br>N |                            | dyn.1)<br>C<br>N | stat.<br>Co<br>N |                            |
| 20                    | 12700              | 6550             | 2540                       | 10800            | 6550             | 2160                       |
| 25                    | 14000              | 7800             | 2800                       | 11900            | 7800             | 2380                       |
| 30                    | 19500              | 11200            | 3900                       | 16250            | 11200            | 3250                       |
| 35                    | 25500              | 15300            | 5100                       | 21600            | 15300            | 4320                       |
| 40                    | 30700              | 19000            | 6140                       | 26000            | 19000            | 5200                       |

1) = Values are valid for applications with ≤ h 6 shaft tolerance. Time 0,77 values must be considered in all other cases.

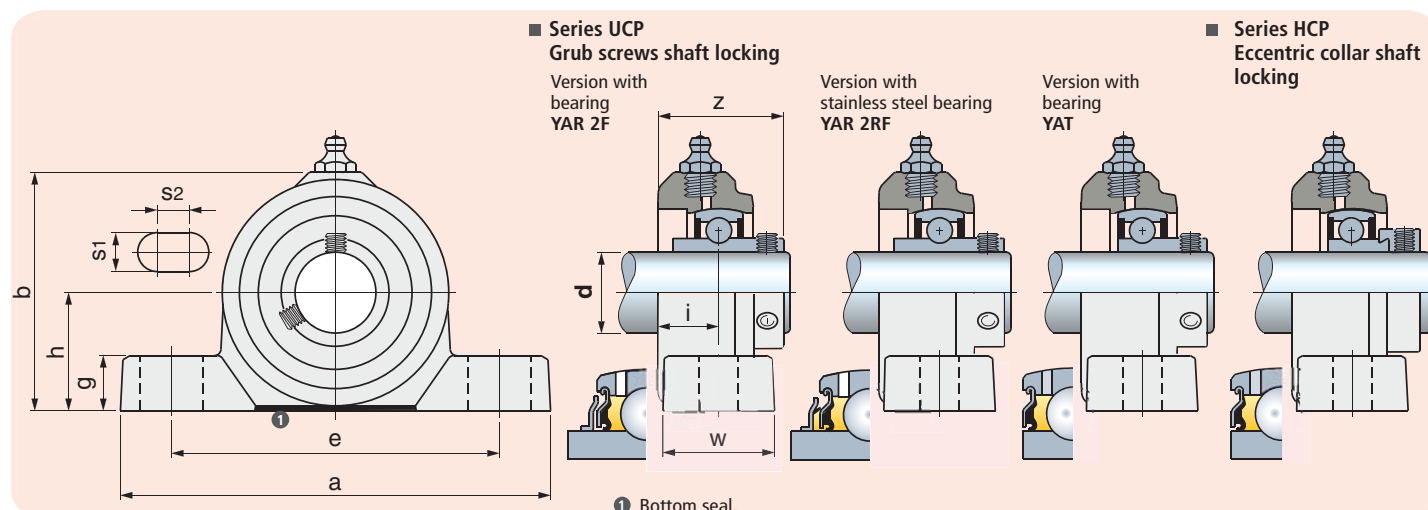
### Protection coveZuurs (accessories)

| Closed cover | Accessories                      |        |                        |           |
|--------------|----------------------------------|--------|------------------------|-----------|
|              | Cover orange                     |        | Cover red<br>Microban® |           |
|              | dia.<br>d<br>mm                  | Code   | t<br>mm                | UCP HCP   |
| Open cover   | Closed cover supplied with seals |        |                        |           |
|              | 20                               | 681942 | 681982                 | 49,7 52   |
|              | 25                               | 681952 | 681992                 | 51,5 51,5 |
|              | 30                               | 63154  | 653322                 | 55 55     |
|              | 35                               | 682022 | 682042                 | 61 61     |
|              | 40 1)                            | 63539  | 653342                 | 66,5 —    |
| Open cover   | Open cover supplied with seals   |        |                        |           |
|              | 40 2)                            | 600882 | 653352                 | — 72      |
|              | 20                               | 681962 | 682002                 | 49,7 52   |
|              | 25                               | 681972 | 682012                 | 51,5 51,5 |
|              | 30                               | 69965  | 653442                 | 55 55     |
|              | 35                               | 682032 | 682052                 | 61 61     |
|              | 40 1)                            | 63549  | 653462                 | 66,5 —    |
|              | 40 2)                            | 600892 | 653472                 | — 72      |

1) Seals

2) Seals O-Ring

1) = Protection cover for bearing unit with grub screws shaft locking  
2) = Protection cover for bearing unit with eccentric collar shaft locking



| dia.<br>d<br>mm                                                          | Series  | Housing material                        |                                                          |                                                               | Dimensions in mm |     |      |     |    |    |    |      |      |      | Bearing     | Weight<br>Kg |
|--------------------------------------------------------------------------|---------|-----------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|------------------|-----|------|-----|----|----|----|------|------|------|-------------|--------------|
|                                                                          |         | Polyamide<br>PA FV<br>Flange<br>(black) | Polyamide<br>PA FV with<br>Microban®<br>Flange<br>(grey) | Polypropylene<br>PP FV with<br>Microban®<br>Flange<br>(white) | e                | a   | h    | b   | s1 | s2 | g  | w    | i    | z    |             |              |
|                                                                          |         | Code                                    |                                                          |                                                               |                  |     |      |     |    |    |    |      |      |      |             |              |
| Grub screws shaft locking • Version with bearing YAR 2F                  |         |                                         |                                                          |                                                               |                  |     |      |     |    |    |    |      |      |      |             |              |
| 20                                                                       | UCP 204 | 682921                                  | —                                                        | —                                                             | 96               | 128 | 33,3 | 67  | 12 | 10 | 17 | 30   | 18,9 | 37,2 | YAR 204 2F  | 0,27         |
| 25                                                                       | UCP 205 | 648781                                  | —                                                        | —                                                             | 106              | 140 | 36,5 | 75  | 12 | 10 | 17 | 34,5 | 18,8 | 38,6 | YAR 205 2F  | 0,33         |
| 30                                                                       | UCP 206 | 648791                                  | —                                                        | —                                                             | 121              | 163 | 42,9 | 88  | 14 | 10 | 20 | 36   | 19,7 | 41,9 | YAR 206 2F  | 0,49         |
| 35                                                                       | UCP 207 | 648801                                  | —                                                        | —                                                             | 126              | 167 | 47,6 | 98  | 14 | 10 | 20 | 38,6 | 21,3 | 46,7 | YAR 207 2F  | 0,64         |
| 40                                                                       | UCP 208 | 683021                                  | —                                                        | —                                                             | 136              | 185 | 50   | 102 | 14 | 10 | 20 | 38,6 | 25   | 55,2 | YAR 208 2F  | 0,84         |
| Grub screws shaft locking • Version with stainless steel bearing YAR 2RF |         |                                         |                                                          |                                                               |                  |     |      |     |    |    |    |      |      |      |             |              |
| 20                                                                       | UCP 204 | 646492                                  | 678952                                                   | 679002                                                        | 96               | 128 | 33,3 | 67  | 12 | 10 | 17 | 30   | 18,9 | 37,2 | YAR 204 2RF | 0,27         |
| 25                                                                       | UCP 205 | 646502                                  | 678962                                                   | 679012                                                        | 106              | 140 | 36,5 | 75  | 12 | 10 | 17 | 34,5 | 18,8 | 38,6 | YAR 205 2RF | 0,33         |
| 30                                                                       | UCP 206 | 646512                                  | 678972                                                   | 679022                                                        | 121              | 163 | 42,9 | 88  | 14 | 10 | 20 | 36   | 19,7 | 41,9 | YAR 206 2RF | 0,49         |
| 35                                                                       | UCP 207 | 646522                                  | 678982                                                   | 679032                                                        | 126              | 167 | 47,6 | 98  | 14 | 10 | 20 | 38,6 | 21,3 | 46,7 | YAR 207 2RF | 0,64         |
| 40                                                                       | UCP 208 | 646532                                  | 678992                                                   | 679042                                                        | 136              | 185 | 50   | 102 | 14 | 10 | 20 | 38,6 | 25   | 55,2 | YAR 208 2RF | 0,84         |
| Grub screws shaft locking • Version with bearing YAT                     |         |                                         |                                                          |                                                               |                  |     |      |     |    |    |    |      |      |      |             |              |
| 20                                                                       | UCP 204 | 678552                                  | 678652                                                   | 678852                                                        | 96               | 128 | 33,3 | 67  | 12 | 10 | 17 | 30   | 18,9 | 37,2 | YAT 204     | 0,24         |
| 25                                                                       | UCP 205 | 678562                                  | 678662                                                   | 678862                                                        | 106              | 140 | 36,5 | 75  | 12 | 10 | 17 | 34,5 | 18,8 | 38,3 | YAT 205     | 0,30         |
| 30                                                                       | UCP 206 | 678572                                  | 678672                                                   | 678872                                                        | 121              | 163 | 42,9 | 88  | 14 | 10 | 20 | 36   | 19,7 | 40,7 | YAT 206     | 0,44         |
| 35                                                                       | UCP 207 | 678582                                  | 678682                                                   | 678882                                                        | 126              | 167 | 47,6 | 98  | 14 | 10 | 20 | 38,6 | 21,3 | 44,6 | YAT 207     | 0,54         |
| 40                                                                       | UCP 208 | 678592                                  | 678692                                                   | 678892                                                        | 136              | 185 | 50   | 102 | 14 | 10 | 20 | 38,6 | 25   | 50,3 | YAT 208     | 0,72         |
| Eccentric collar shaft locking                                           |         |                                         |                                                          |                                                               |                  |     |      |     |    |    |    |      |      |      |             |              |
| 20                                                                       | HCP 204 | 678602                                  | 678702                                                   | 678902                                                        | 96               | 128 | 33,3 | 67  | 12 | 10 | 17 | 30   | 18,9 | 42,4 | YET 204     | 0,29         |
| 25                                                                       | HCP 205 | 678612                                  | 678712                                                   | 678912                                                        | 106              | 140 | 36,5 | 75  | 12 | 10 | 17 | 34,5 | 18,8 | 42,3 | YET 205     | 0,34         |
| 30                                                                       | HCP 206 | 678622                                  | 678722                                                   | 678922                                                        | 121              | 163 | 42,9 | 88  | 14 | 10 | 20 | 36   | 19,7 | 46,4 | YET 206     | 0,51         |
| 35                                                                       | HCP 207 | 678632                                  | 678732                                                   | 678932                                                        | 126              | 167 | 47,6 | 98  | 14 | 10 | 20 | 38,6 | 21,3 | 50,7 | YET 207     | 0,72         |
| 40                                                                       | HCP 208 | 678642                                  | 678742                                                   | 678942                                                        | 136              | 185 | 50   | 102 | 14 | 10 | 20 | 38,6 | 25   | 57,7 | YET 208     | 0,91         |

Packaging : 6 pieces.

INDICATIVE GUIDE LINES  
FOR PRODUCT AVAILABILITIES:

On stock

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service for delivery timesOn request for appropriate  
suitable quantities

## ■ Spare parts

| ■ Spare parts                                                                       |                 | Housing material                        |                                                          |                                                               |
|-------------------------------------------------------------------------------------|-----------------|-----------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|
| Seal                                                                                | dia.<br>d<br>mm | Polyamide<br>PA FV<br>Flange<br>(black) | Polyamide<br>PA FV with<br>Microban®<br>Flange<br>(grey) | Polypropylene<br>PP FV with<br>Microban®<br>Flange<br>(white) |
|                                                                                     |                 | Code                                    |                                                          |                                                               |
| Seal                                                                                |                 |                                         |                                                          |                                                               |
|  | 20              | 692391                                  | 692391                                                   | 692391                                                        |
|                                                                                     | 25              | 646251                                  | 646251                                                   | 646251                                                        |
|                                                                                     | 30              | 646261                                  | 646261                                                   | 646261                                                        |
|                                                                                     | 35              | 646271                                  | 646271                                                   | 646271                                                        |
|                                                                                     | 40              | 692401                                  | 692401                                                   | 692401                                                        |



# Compact pillow block UCPA/C-HCPA/C



## Material

### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Protection cover in polypropylene PP (orange) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Nickel plated brass threaded bushings.

### PAFV polyamide housing with Microban®

Housing in reinforced polyamide PAFV resin (grey) with Microban® • Protection cover in polypropylene PP (red) with Microban® • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Nickel plated brass threaded bushings.

### PPFV polypropylene housing with Microban®

Housing in reinforced polypropylene PPFV resin (white) with Microban® • Protection cover in polypropylene PP (red) with Microban® • Seal and O-Ring in NBR rubber (black). On request supplied in Viton rubber (brown). Viton material offers high resistance to chemical agents • Ball type stainless steel AISI 316 greasing nipple • Nickel plated brass threaded bushings.

- **Waterproof housing**
- **Grub screws or eccentric collar shaft locking**
- **PAFV polyamide housing**  
High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents.
- **PPFV polypropylene housing**  
Proof to highly aggressive chemical agents. Inferior loading ability.
- **Supports with Microban® antibacterial protection**  
Microban® material is effective against the most common bacteria that may grow in foodstuff like E. Coli, Salmonella, Listeria, S-Aureus, Campylobacter.

## Loads

| shaft<br>dia.<br>d<br>mm |  |            |  |            |  |            |  |            |
|--------------------------|------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------|------------|
|                          | PA FV<br>N                                                                         | PP FV<br>N | PA FV<br>N                                                                           | PP FV<br>N | PA FV<br>N                                                                           | PP FV<br>N | PA FV<br>N                                                                           | PP FV<br>N |
| 17                       | 2500                                                                               | 1500       | 8000                                                                                 | 3750       | 1500                                                                                 | 1100       | 1250                                                                                 | 1000       |
| 20                       | 2500                                                                               | 1700       | 6750                                                                                 | 4300       | 2300                                                                                 | 1200       | 1100                                                                                 | 750        |
| 25                       | 3000                                                                               | 1700       | 10500                                                                                | 5200       | 2600                                                                                 | 1750       | 1100                                                                                 | 900        |

## Bearing load

| shaft<br>dia.<br>d<br>mm | Load coefficient             |                  | Max <sup>1)</sup><br>axial<br>load<br>N |
|--------------------------|------------------------------|------------------|-----------------------------------------|
|                          | dyn. <sup>1)</sup><br>C<br>N | stat.<br>Co<br>N |                                         |
| 17                       | 9500                         | 4750             | 1900                                    |
| 20                       | 12700                        | 6550             | 2540                                    |
| 25                       | 14000                        | 7800             | 2800                                    |

1) = Values are valid for applications with ≤ h 6 shaft tolerance. Time 0.77 values must be considered in all other cases.

## Continuous operating temperature

in air : - 20 to + 60°C.

## Maximum allowed misalignment: 2°.

## Bearing

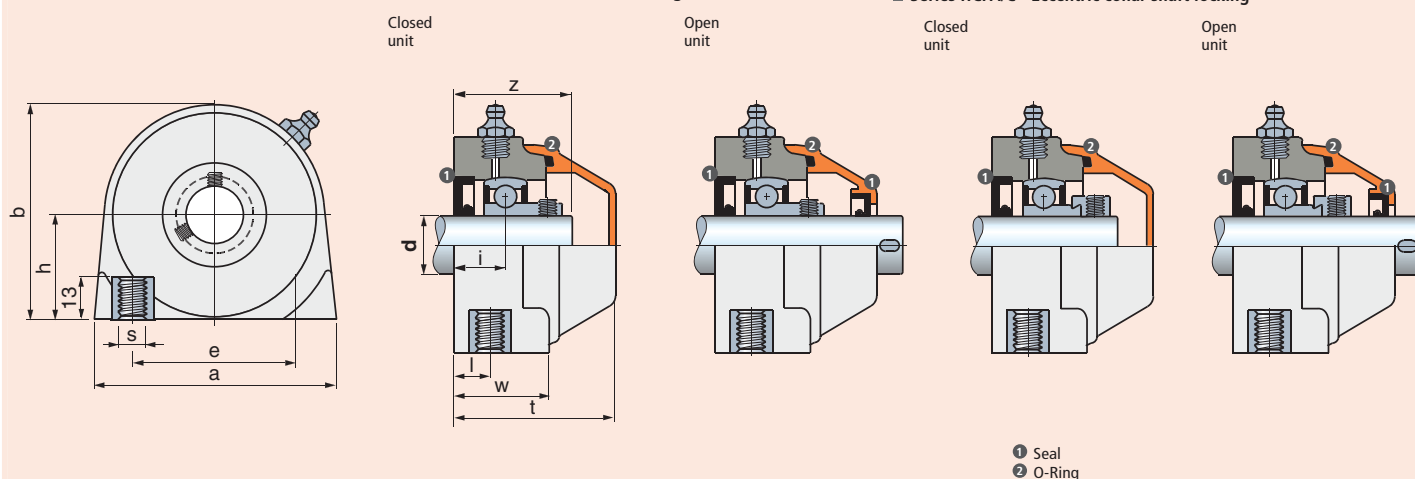


Series YAT (grub screws shaft locking) • Series YET (eccentric collar shaft locking) • Chrome alloy steel • Superagriseal unit • Prelubricated with lithium/ calcium grease • Can be relubricated

## UCPA/C-HCPA/C

## ■ Series UCPA/C - Grub screws shaft locking

## ■ Series HCPA/C - Eccentric collar shaft locking



| dia.<br>d<br>mm                              | Series     | Housing material                                             |                                                                         |                                                                              | Dimensions in mm |    |      |    |     |    |      |    |      |    |         |      | Weight<br>Kg | Spare parts     |                           |
|----------------------------------------------|------------|--------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------|----|------|----|-----|----|------|----|------|----|---------|------|--------------|-----------------|---------------------------|
|                                              |            | Polyamide<br>PA FV<br>Flange<br>(black)<br>Cover<br>(orange) | Polyamide<br>PA FV with<br>Microban®<br>Flange (grey)<br>Cover<br>(red) | Polypropylene<br>PP FV with<br>Microban®<br>Flange (white)<br>Cover<br>(red) |                  |    |      |    |     |    |      |    |      |    |         |      |              | Cover<br>orange | Cover<br>red<br>Microban® |
|                                              |            | Code                                                         |                                                                         |                                                                              |                  |    |      |    |     |    |      |    |      |    |         |      |              | Code            |                           |
|                                              |            | Grub screws shaft locking • Closed unit                      |                                                                         |                                                                              |                  |    |      |    |     |    |      |    |      |    |         |      |              |                 |                           |
| 17                                           | UCPA 203 C | 696182                                                       | 696302                                                                  | 696542                                                                       | 47               | 70 | 30,2 | 62 | M8  | 28 | 15,2 | 10 | 31,1 | 49 | YAT 203 | 0,22 | 681942       | 681982          |                           |
| 20                                           | UCPA 204 C | 696192                                                       | 696312                                                                  | 696552                                                                       | 50,8             | 70 | 33,2 | 65 | M8  | 28 | 15,2 | 10 | 33,5 | 49 | YAT 204 | 0,25 | 681942       | 681982          |                           |
| 25                                           | UCPA 205 C | 696202                                                       | 696322                                                                  | 696562                                                                       | 50,8             | 75 | 36,5 | 72 | M10 | 30 | 16,8 | 12 | 36,3 | 52 | YAT 205 | 0,29 | 681952       | 681992          |                           |
| Grub screws shaft locking • Open unit        |            |                                                              |                                                                         |                                                                              |                  |    |      |    |     |    |      |    |      |    |         |      |              |                 |                           |
| 17                                           | UCPA 203 C | 696212                                                       | 696332                                                                  | 696572                                                                       | 47               | 70 | 30,2 | 62 | M8  | 28 | 15,2 | 10 | 31,1 | 49 | YAT 203 | 0,22 | 696162       | 696172          |                           |
| 20                                           | UCPA 204 C | 696222                                                       | 696342                                                                  | 696582                                                                       | 50,8             | 70 | 33,2 | 65 | M8  | 28 | 15,2 | 10 | 33,5 | 49 | YAT 204 | 0,25 | 681962       | 682002          |                           |
| 25                                           | UCPA 205 C | 696232                                                       | 696352                                                                  | 696592                                                                       | 50,8             | 75 | 36,5 | 72 | M10 | 30 | 16,8 | 12 | 36,3 | 52 | YAT 205 | 0,29 | 681972       | 682012          |                           |
| Eccentric collar shaft locking • Closed unit |            |                                                              |                                                                         |                                                                              |                  |    |      |    |     |    |      |    |      |    |         |      |              |                 |                           |
| 17                                           | HCPA 203 C | 696242                                                       | 696362                                                                  | 696602                                                                       | 47               | 70 | 30,2 | 62 | M8  | 28 | 15,2 | 10 | 37,3 | 49 | YET 203 | 0,24 | 681942       | 681982          |                           |
| 20                                           | HCPA 204 C | 696252                                                       | 696372                                                                  | 696612                                                                       | 50,8             | 70 | 33,2 | 65 | M8  | 28 | 15,2 | 10 | 38,7 | 49 | YET 204 | 0,27 | 681942       | 681982          |                           |
| 25                                           | HCPA 205 C | 696262                                                       | 696382                                                                  | 696622                                                                       | 50,8             | 75 | 36,5 | 72 | M10 | 30 | 16,8 | 12 | 40,3 | 52 | YET 205 | 0,34 | 681952       | 681992          |                           |
| Eccentric collar shaft locking • Open unit   |            |                                                              |                                                                         |                                                                              |                  |    |      |    |     |    |      |    |      |    |         |      |              |                 |                           |
| 17                                           | HCPA 203 C | 696272                                                       | 696392                                                                  | 696632                                                                       | 47               | 70 | 30,2 | 62 | M8  | 28 | 15,2 | 10 | 37,3 | 49 | YET 203 | 0,24 | 696162       | 696172          |                           |
| 20                                           | HCPA 204 C | 696282                                                       | 696402                                                                  | 696642                                                                       | 50,8             | 70 | 33,2 | 65 | M8  | 28 | 15,2 | 10 | 38,7 | 49 | YET 204 | 0,27 | 681962       | 682002          |                           |
| 25                                           | HCPA 204 C | 696292                                                       | 696412                                                                  | 696652                                                                       | 50,8             | 75 | 36,5 | 72 | M10 | 30 | 16,8 | 12 | 40,3 | 52 | YET 205 | 0,34 | 681972       | 682012          |                           |

Packaging : 6 pieces.

INDICATIVE GUIDE LINES  
FOR PRODUCT AVAILABILITIES:

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suitable quantities

# Compact pillow block UCPA-HCPA



Accessories



## Material

### PA FV Polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Ball type nickel plated brass greasing nipple • Nickel plated brass threaded bushings.

### PA FV Polyamide housing with Microban®

Housing in reinforced polyamide PAFV resin (grey) with Microban® • Ball type nickel plated brass greasing nipple • Nickel plated brass threaded bushings.

### PPFV polypropylene housing with Microban®

Housing in reinforced polypropylene PPFV resin (white) with Microban® • Ball type stainless steel AISI 316 greasing nipple • Nickel plated brass threaded bushings.

## Continuous operating temperature

in air : - 20 to + 60°C.

## Maximum allowed misalignment: 2°.

## Bearing

Series YAR 2F (grub screws shaft locking, chrome alloy steel, Superagriseal unit plus centrifuging ring) • Series YAR 2RF (grub screws shaft locking, stainless steel AISI 420, Superagriseal unit plus rubberised centrifuging ring) • Series YAT (grub screws shaft locking, chrome alloy steel, Superagriseal unit) • Series YET (eccentric collar shaft locking, chrome alloy steel, Superagriseal unit) • Prelubricated with lithium/ calcium grease • Can be relubricated

## Version with bearing YAR 2F

The double ring guarantees maximum protection against dust and non-corrosive substances.

## Version with stainless steel bearing YAR 2RF

AISI 420 stainless steel bearing with 2 rubberised rings, provides excellent seal against humidity, steams, liquids, medium corrosive chemical agents. Maximum load ability is inferior.

## Version with bearing YAT

The rubberised ring guarantees maximum protection against dusts.

## Supports with Microban® antibacterial protection

Microban® material is effective against the most common bacteria that may grow in foodstuff like E. Coli, Salmonella, Listeria, S-Aureus, Campylobacter.

## Material

Polyamide PA FV guarantees maximum strength and high-temperature resistance.

Polypropylene PP FV offers excellent resistance to chemical agents but inferior load ability.

## Bearing unit max. static load

| shaft<br>dia.<br>d<br>mm | PA FV<br>N | PP FV<br>N | PA FV<br>N | PP FV<br>N | PA FV<br>N | PP FV<br>N | PA FV<br>N | PP FV<br>N |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 17                       | 2500       | 1500       | 8000       | 3750       | 1500       | 1100       | 1250       | 1000       |
| 20                       | 2500       | 1700       | 6750       | 4300       | 2300       | 1200       | 1100       | 750        |
| 25                       | 3000       | 1700       | 10500      | 5200       | 2600       | 1750       | 1100       | 900        |

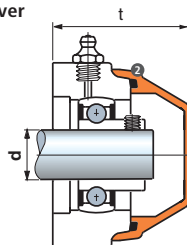
## Bearing load

| dia.<br>albero<br>d<br>mm | YAR 2F - YAT - YET  |                  |                               | YAR 2RF             |                  |                               |
|---------------------------|---------------------|------------------|-------------------------------|---------------------|------------------|-------------------------------|
|                           | Load<br>coefficient |                  | Max. 1)<br>axial<br>load<br>N | Load<br>coefficient |                  | Max. 1)<br>axial<br>load<br>N |
|                           | dyn.1)<br>C<br>N    | stat.<br>Co<br>N |                               | dyn.1)<br>C<br>N    | stat.<br>Co<br>N |                               |
| 17                        | 9500                | 4750             | 1900                          | 8000                | 4750             | 1600                          |
| 20                        | 12700               | 6550             | 2540                          | 10800               | 6550             | 2160                          |
| 25                        | 14000               | 7800             | 2800                          | 11900               | 7800             | 2380                          |

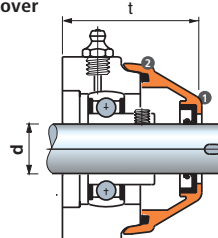
1) = Values are valid for applications with ≤ h 6 shaft tolerance. Time 0.77 values must be considered in all other cases.

## Protection covers (accessories)

Closed  
cover



Open  
cover

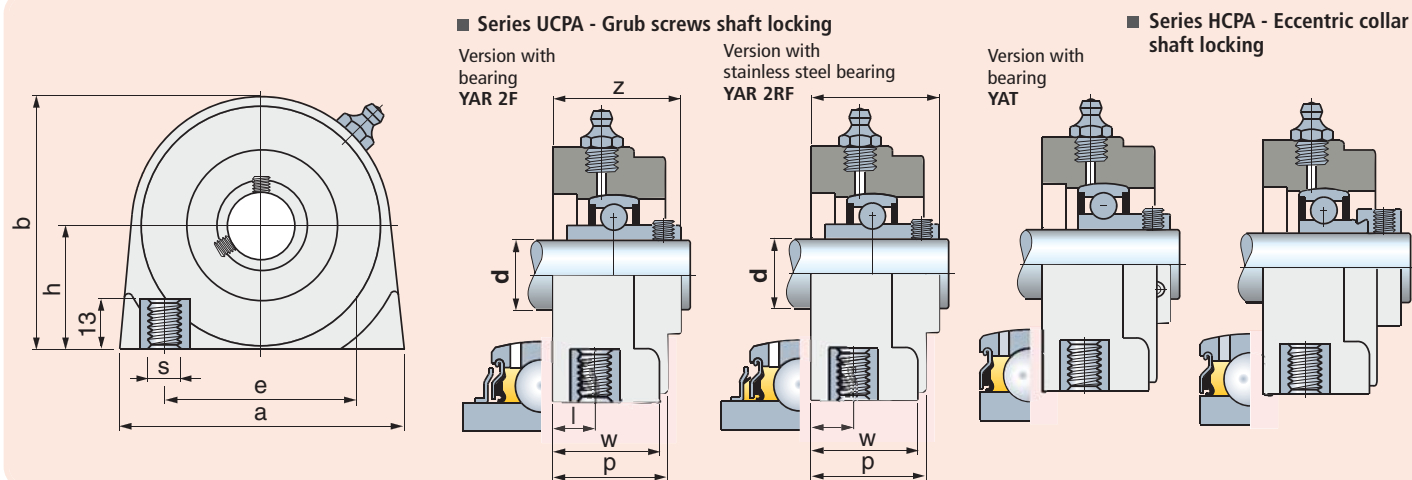


① Seal  
② O-Ring

## Accessories

| dia.<br>d<br>mm                  | Cover<br>orange | Cover<br>red | t<br>mm |
|----------------------------------|-----------------|--------------|---------|
|                                  | Microban®       |              |         |
|                                  | Code            |              |         |
| Closed cover supplied with seals |                 |              |         |
| 17                               | 681942          | 681982       | 49      |
| 20                               | 681942          | 681982       | 49      |
| 25                               | 681952          | 681992       | 52      |
| Open cover supplied with seals   |                 |              |         |
| 17                               | 696162          | 696172       | 49      |
| 20                               | 681962          | 682002       | 49      |
| 25                               | 681972          | 682012       | 52      |

## UCPA-HCPA



| dia.<br>d<br>mm                                                          | Series   | Housing material                        |                                                          |                                                               | Dimensions in mm |    |      |    |     |    |      |    |      |    |            | Bearing | Weight<br>Kg |
|--------------------------------------------------------------------------|----------|-----------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|------------------|----|------|----|-----|----|------|----|------|----|------------|---------|--------------|
|                                                                          |          | Polyamide<br>PA FV<br>Flange<br>(black) | Polyamide<br>PA FV with<br>Microban®<br>Flange<br>(grey) | Polypropylene<br>PP FV with<br>Microban®<br>Flange<br>(white) | e                | a  | h    | b  | s   | w  | i    | l  | z    | P  |            |         |              |
|                                                                          |          | Code                                    |                                                          |                                                               |                  |    |      |    |     |    |      |    |      |    |            |         |              |
| Grub screws shaft locking • Version with bearing YAR 2F                  |          |                                         |                                                          |                                                               |                  |    |      |    |     |    |      |    |      |    |            |         |              |
| 17                                                                       | UCPA 203 | 696902                                  | -                                                        | -                                                             | 47               | 70 | 30,2 | 62 | M8  | 28 | 15,2 | 10 | 31,1 | 31 | YAR 203 F  | 0,21    |              |
| 20                                                                       | UCPA 204 | 696912                                  | -                                                        | -                                                             | 50,8             | 70 | 33,2 | 65 | M8  | 28 | 15,2 | 10 | 33,5 | 31 | YAR 204 F  | 0,26    |              |
| 25                                                                       | UCPA 205 | 696922                                  | -                                                        | -                                                             | 50,8             | 75 | 36,5 | 72 | M10 | 30 | 16,8 | 12 | 36,5 | 32 | YAR 205 F  | 0,30    |              |
| Grub screws shaft locking • Version with stainless steel bearing YAR 2RF |          |                                         |                                                          |                                                               |                  |    |      |    |     |    |      |    |      |    |            |         |              |
| 20                                                                       | UCPA 204 | 696942                                  | 696972                                                   | 697002                                                        | 50,8             | 70 | 33,2 | 65 | M8  | 28 | 15,2 | 10 | 33,5 | 31 | YAR 204 RF | 0,26    |              |
| 25                                                                       | UCPA 205 | 696952                                  | 696982                                                   | 697012                                                        | 50,8             | 75 | 36,5 | 72 | M10 | 30 | 16,8 | 12 | 36,5 | 32 | YAR 205 RF | 0,30    |              |
| Grub screws shaft locking • Version with bearing YAT                     |          |                                         |                                                          |                                                               |                  |    |      |    |     |    |      |    |      |    |            |         |              |
| 17                                                                       | UCPA 203 | 696662                                  | 696722                                                   | 696842                                                        | 47               | 70 | 30,2 | 62 | M8  | 28 | 15,2 | 10 | 31,1 | 31 | YAT 203    | 0,21    |              |
| 20                                                                       | UCPA 204 | 696672                                  | 696732                                                   | 696852                                                        | 50,8             | 70 | 33,2 | 65 | M8  | 28 | 15,2 | 10 | 33,5 | 31 | YAT 204    | 0,24    |              |
| 25                                                                       | UCPA 205 | 696682                                  | 696742                                                   | 696862                                                        | 50,8             | 75 | 36,5 | 72 | M10 | 30 | 16,8 | 12 | 36,5 | 32 | YAT 205    | 0,28    |              |
| Eccentric collar shaft locking                                           |          |                                         |                                                          |                                                               |                  |    |      |    |     |    |      |    |      |    |            |         |              |
| 17                                                                       | HCPA 203 | 696692                                  | 696752                                                   | 696872                                                        | 47               | 70 | 30,2 | 62 | M8  | 28 | 15,2 | 10 | 37,3 | 31 | YET 203    | 0,23    |              |
| 20                                                                       | HCPA 204 | 696702                                  | 696762                                                   | 696882                                                        | 50,8             | 70 | 33,2 | 65 | M8  | 28 | 15,2 | 10 | 38,7 | 31 | YET 204    | 0,26    |              |
| 25                                                                       | HCPA 204 | 696712                                  | 696772                                                   | 696892                                                        | 50,8             | 75 | 36,5 | 72 | M10 | 30 | 16,8 | 12 | 40,3 | 32 | YET 205    | 0,33    |              |

Packaging : 6 pieces.

INDICATIVE GUIDE LINES  
FOR PRODUCT AVAILABILITIES: On stock Please, contact our customer  
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suitable quantities

# Side flange bearing units UCFB/C HCFB/C



## Material

### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Protection cover in polypropylene PP (orange) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes in stainless steel AISI 304.

### PAFV polyamide housing with Microban®

Housing in reinforced polyamide PAFV resin (grey) with Microban® • Protection cover in polypropylene PP (red) with Microban® • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes in stainless steel AISI 304.

### PPFV polypropylene housing with Microban®

Housing in reinforced polypropylene PPFV resin (white) with Microban® • Protection cover in polypropylene PP (red) with Microban® • Seal and O-Ring in NBR rubber (black). On request supplied in Viton rubber (brown). Viton material offers high resistance to chemical agents • Ball type stainless steel AISI 316 greasing nipple • Reinforcing bushings on mounting holes in stainless steel AISI 316.

## Continuous operating temperature

in air : - 20 to + 60°C.

## Maximum allowed misalignment: 2°.

## Bearing



Series YAT (grub screws shaft locking) • Series YET (eccentric collar shaft locking) • Chrome alloy steel • Superagriseal unit • Prelubricated with lithium/ calcium grease • Can be relubricated

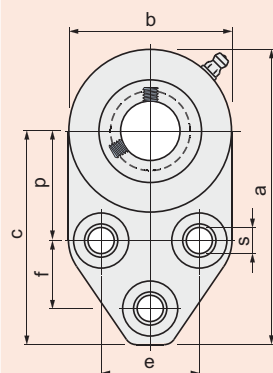
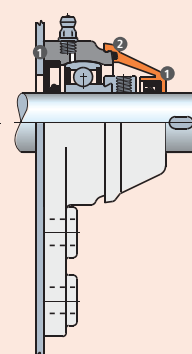
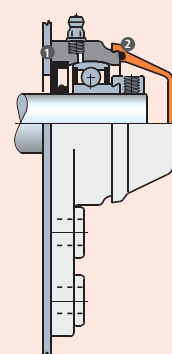
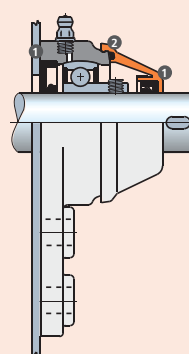
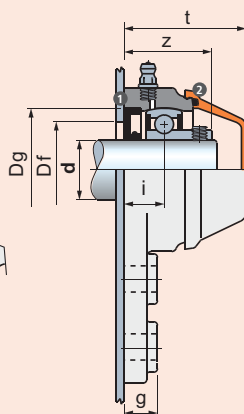
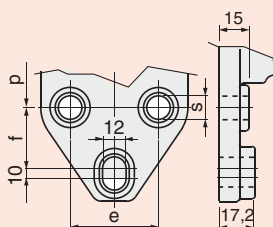
- **Waterproof housing**
- **Grub screws or eccentric collar shaft locking**
- **PAFV polyamide housing**  
High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents.
- **PPFV polypropylene housing**  
Proof to highly aggressive chemical agents. Inferior loading ability.
- **Solid flange bearings**  
Closed surface structure, ideal for sanification.
- **Supports with Microban® antibacterial protection**  
Microban® material is effective against the most common bacteria that may grow in foodstuff like E. Coli, Salmonella, Listeria, S-Aureus, Campylobacter.

## Loads

| Shaft<br>dia.<br>d<br>mm | Bearing load        |                  |                               | Bearing unit max.<br>static load                                                      |            |                                                                                       |            |
|--------------------------|---------------------|------------------|-------------------------------|---------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------|------------|
|                          | Load<br>coefficient |                  | Max. 1)<br>axial<br>load<br>N |  |            |  |            |
|                          | dyn.1)<br>C<br>N    | stat.<br>Co<br>N |                               | PA FV<br>N                                                                            | PP FV<br>N | PA FV<br>N                                                                            | PP FV<br>N |
| 20                       | 12700               | 6550             | 2540                          | 3000                                                                                  | 1700       | 1000                                                                                  | 650        |
| 25                       | 14000               | 7800             | 2800                          | 3500                                                                                  | 2000       | 1000                                                                                  | 650        |
| 30                       | 19500               | 11200            | 3900                          | 3500                                                                                  | 2000       | 1000                                                                                  | 650        |
| 35                       | 25500               | 15300            | 5100                          | 4000                                                                                  | 2500       | 1000                                                                                  | 650        |
| 40                       | 30700               | 19000            | 6140                          | 5200                                                                                  | 3000       | 1000                                                                                  | 650        |

1) = Values are valid for applications with ≤ h 6 shaft tolerance. Time 0.77 values must be considered in all other cases.

## UCFB/C HCFB/C

■ Series UCFB/C  
Grub screws shaft lockingClosed  
unitOpen  
unit■ Series HCFB/C  
Eccentric collar shaft lockingClosed  
unitOpen  
unitOnly for version  
dia Ø= 40mm

- 1 Seal.  
2 O-Ring.

## Housing material

| Polyamide<br>PA FV<br>Solid<br>Flange<br>(black)<br>Cover<br>(orange) | Polyamide<br>PA FV with<br>Microban®<br>Solid Flange<br>(grey)<br>Cover<br>(red) | Polypropylene<br>PP FV with<br>Microban®<br>Solid Flange<br>(white)<br>Cover<br>(red) |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

## Spare parts

| Cover<br>orange | Cover<br>Red<br>Microban® |
|-----------------|---------------------------|
| Code            | Code                      |

| dia.<br>d<br>mm                              | Series     | (orange) | (red)  | (red)  | Dimensions in mm |      |       |      |      |      |    |    |      |        | frame <sup>2)</sup><br>Df |         |      | Weight<br>Kg | orange  | Red<br>Microban® |        |        |
|----------------------------------------------|------------|----------|--------|--------|------------------|------|-------|------|------|------|----|----|------|--------|---------------------------|---------|------|--------------|---------|------------------|--------|--------|
|                                              |            | Code     | a      | b      | c                | p    | e     | f    | s    | g    | i  | z  | t    | Dg max | min.                      | Bearing | Code |              |         |                  |        |        |
| Grub screws shaft locking • Closed unit      |            |          |        |        |                  |      |       |      |      |      |    |    |      |        |                           |         |      |              |         |                  |        |        |
| 20                                           | UCFB 204 C | 601133   | 601213 | 601373 | 124,2            | 68,8 | 89,8  | 46   | 41,3 | 28,6 | 11 | 14 | 16,4 | 34,7   | 49                        | 47      | 45   | 40           | YAT 204 | 0,26             | 681942 | 681982 |
| 25                                           | UCFB 205 C | 656542   | 663312 | 677832 | 124,2            | 68,8 | 89,8  | 46   | 41,3 | 28,6 | 11 | 14 | 17,8 | 37,3   | 52                        | 52      | 50   | 45           | YAT 205 | 0,32             | 681952 | 681992 |
| 30                                           | UCFB 206 C | 656562   | 663322 | 677842 | 138,6            | 81,3 | 97,9  | 52,4 | 47,6 | 31,7 | 11 | 14 | 20   | 42,5   | 55                        | 62      | 60   | 50           | YAT 206 | 0,47             | 63154  | 653322 |
| 35                                           | UCFB 207 C | 656582   | 663332 | 677852 | 154,5            | 93,7 | 107,6 | 60,3 | 50,8 | 31,7 | 13 | 15 | 19,5 | 45,7   | 59                        | 72      | 70   | 55           | YAT 207 | 0,64             | 682022 | 682042 |
| 40                                           | UCFB 208 C | 601143   | 601223 | 601383 | 164              | 100  | 114   | 60   | 50   | 31   | 13 | —  | 22   | 47,5   | 66,5                      | 80      | 78   | 65           | YAT 208 | 0,84             | 600882 | 653352 |
| Grub screws shaft locking • Open unit        |            |          |        |        |                  |      |       |      |      |      |    |    |      |        |                           |         |      |              |         |                  |        |        |
| 20                                           | UCFB 204 C | 601153   | 601233 | 601393 | 124,2            | 68,8 | 89,8  | 46   | 41,3 | 28,6 | 11 | 14 | 16,4 | 34,7   | 49                        | 47      | 45   | 40           | YAT 204 | 0,26             | 681962 | 682002 |
| 25                                           | UCFB 205 C | 656552   | 663342 | 677862 | 124,2            | 68,8 | 89,8  | 46   | 41,3 | 28,6 | 11 | 14 | 17,8 | 37,3   | 52                        | 52      | 50   | 45           | YAT 205 | 0,32             | 681972 | 682012 |
| 30                                           | UCFB 206 C | 656572   | 663352 | 677872 | 138,6            | 81,3 | 97,9  | 52,4 | 47,6 | 31,7 | 11 | 14 | 20   | 42,5   | 55                        | 62      | 60   | 50           | YAT 206 | 0,47             | 69965  | 653442 |
| 35                                           | UCFB 207 C | 656592   | 663362 | 677882 | 154,5            | 93,7 | 107,6 | 60,3 | 50,8 | 31,7 | 13 | 15 | 19,5 | 45,7   | 59                        | 72      | 70   | 55           | YAT 207 | 0,64             | 682032 | 682052 |
| 40                                           | UCFB 208 C | 601163   | 601243 | 601403 | 164              | 100  | 114   | 60   | 50   | 31   | 13 | —  | 22   | 47,5   | 66,5                      | 80      | 78   | 65           | YAT 208 | 0,84             | 600892 | 653472 |
| Eccentric collar shaft locking • Closed unit |            |          |        |        |                  |      |       |      |      |      |    |    |      |        |                           |         |      |              |         |                  |        |        |
| 20                                           | HCFB 204 C | 601173   | 601253 | 601413 | 124,2            | 68,8 | 89,8  | 46   | 41,3 | 28,6 | 11 | 14 | 16,4 | 40     | 49                        | 47      | 45   | 40           | YET 204 | 0,29             | 681942 | 681982 |
| 25                                           | HCFB 205 C | 663252   | 663372 | 677892 | 124,2            | 68,8 | 89,8  | 46   | 41,3 | 28,6 | 11 | 14 | 17,8 | 41,3   | 57                        | 52      | 50   | 45           | YET 205 | 0,35             | 681952 | 681992 |
| 30                                           | HCFB 206 C | 663262   | 663382 | 677902 | 138,6            | 81,3 | 97,9  | 52,4 | 47,6 | 31,7 | 11 | 14 | 20   | 46,7   | 60                        | 62      | 60   | 50           | YET 206 | 0,50             | 63154  | 653322 |
| 35                                           | HCFB 207 C | 663272   | 663392 | 677912 | 154,5            | 93,7 | 107,6 | 60,3 | 50,8 | 31,7 | 13 | 15 | 19,5 | 49     | 64,5                      | 72      | 70   | 55           | YET 207 | 0,67             | 682022 | 682042 |
| 40                                           | HCFB 208 C | 601183   | 601263 | 601423 | 164              | 100  | 114   | 60   | 50   | 31   | 13 | —  | 22   | 55     | 72                        | 80      | 78   | 65           | YET 208 | 0,92             | 600882 | 653352 |
| Eccentric collar shaft locking • Open unit   |            |          |        |        |                  |      |       |      |      |      |    |    |      |        |                           |         |      |              |         |                  |        |        |
| 20                                           | HCFB 204 C | 601193   | 601273 | 601433 | 124,2            | 68,8 | 89,8  | 46   | 41,3 | 28,6 | 11 | 14 | 16,4 | 40     | 49                        | 47      | 45   | 40           | YET 204 | 0,29             | 681962 | 682002 |
| 25                                           | HCFB 205 C | 663282   | 663402 | 677922 | 124,2            | 68,8 | 89,8  | 46   | 41,3 | 28,6 | 11 | 14 | 17,8 | 41,3   | 57                        | 52      | 50   | 45           | YET 205 | 0,35             | 681972 | 682012 |
| 30                                           | HCFB 206 C | 663292   | 663412 | 677932 | 138,6            | 81,3 | 97,9  | 52,4 | 47,6 | 31,7 | 11 | 14 | 20   | 46,7   | 60                        | 62      | 60   | 50           | YET 206 | 0,50             | 69965  | 653442 |
| 35                                           | HCFB 207 C | 663302   | 663422 | 677942 | 154,5            | 93,7 | 107,6 | 60,3 | 50,8 | 31,7 | 13 | 15 | 19,5 | 49     | 64,5                      | 72      | 70   | 55           | YET 207 | 0,67             | 682032 | 682052 |
| 40                                           | HCFB 208 C | 601203   | 601283 | 601443 | 164              | 100  | 114   | 60   | 50   | 31   | 13 | —  | 22   | 55     | 72                        | 80      | 78   | 65           | YET 208 | 0,92             | 600892 | 653472 |

2) = Dimensions Df max / Df min must be respected to ensure positive retention of the seals and to allow air bleeding during lubrication.

Packaging : 6 pieces.

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# Side flange bearing units

## UCFB-HCFB



Accessories



### Material

#### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes in stainless steel AISI 304.

#### PAFV polyamide housing with Microban®

Housing in reinforced polyamide PAFV resin (grey) with Microban® • Bearing in stainless steel AISI 420 • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes in stainless steel AISI 304.

#### PPFV polypropylene housing with Microban®

Housing in reinforced polypropylene PPFV resin (white) with Microban® • Bearing in stainless steel AISI 420 • Ball type stainless steel AISI 316 greasing nipple • Reinforcing bushings on mounting holes in stainless steel AISI 316.

### Continuous operating temperature

in air : - 20 to + 60°C.

### Maximum allowed misalignment: 2°

### Bearing

Series YAR 2F (grub screws shaft locking, chrome alloy steel, Superagriseal unit plus centrifuging ring) • Series YAR 2RF (grub screws shaft locking, stainless steel AISI 420, Superagriseal unit plus rubberised centrifuging ring) • Series YAT (grub screws shaft locking, chrome alloy steel, Superagriseal unit) • Series YET (eccentric collar shaft locking, chrome alloy steel, Superagriseal unit) • Prelubricated with lithium/ calcium grease • Can be relubricated

### Grub screws or eccentric collar shaft locking

### Version with bearing YAR 2F

The double ring guarantees maximum protection against dust and non-corrosive substances.

### Version with stainless steel bearing YAR 2RF

AISI 420 stainless steel bearing with 2 rubberised rings, provides excellent seal against humidity, steams, liquids, medium corrosive chemical agents. Maximum load ability is inferior.

### Version with bearing YAT

The rubberised ring guarantees maximum protection against dusts.

### Supports with Microban® antibacterial protection

Microban® material is effective against the most common bacteria that may grow in foodstuff like E. Coli, Salmonella, Listeria, S-Aureus, Campylobacter.

### Material

Polyamide PA FV guarantees maximum strength and high-temperature resistance.

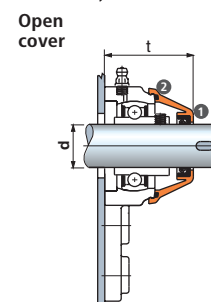
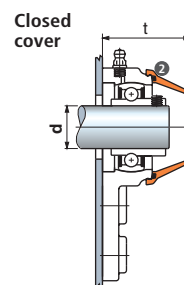
Polypropylene PP FV offers excellent resistance to chemical agents but inferior load ability.

### Loads

| Shaft dia.<br>d<br>mm | Bearing load<br>YAR 2F - YAT - YET |               |                                    | Bearing load<br>YAR 2RF      |               |                                    | Bearing unit max.<br>static load |            |            |            |
|-----------------------|------------------------------------|---------------|------------------------------------|------------------------------|---------------|------------------------------------|----------------------------------|------------|------------|------------|
|                       | Load coefficient                   |               | Max. axial load <sup>1)</sup><br>N | Load coefficient             |               | Max. axial load <sup>1)</sup><br>N | PA FV                            |            | PP FV      |            |
|                       | dyn. C <sup>1)</sup><br>N          | stat. Co<br>N |                                    | dyn. <sup>1)</sup><br>C<br>N | stat. Co<br>N |                                    | PA FV<br>N                       | PP FV<br>N | PA FV<br>N | PP FV<br>N |
| 20                    | 12700                              | 6550          | 2540                               | 10800                        | 6550          | 2160                               | 3000                             | 1700       | 1000       | 650        |
| 25                    | 14000                              | 7800          | 2800                               | 11900                        | 7800          | 2380                               | 3500                             | 2000       | 1000       | 650        |
| 30                    | 19500                              | 11200         | 3900                               | 16250                        | 11200         | 3250                               | 3500                             | 2000       | 1000       | 650        |
| 35                    | 25500                              | 15300         | 5100                               | 21600                        | 15300         | 4320                               | 4000                             | 2500       | 1000       | 650        |
| 40                    | 30700                              | 19000         | 6140                               | 26000                        | 19000         | 5200                               | 5200                             | 3000       | 1000       | 650        |

1) = Values are valid for applications with ≤ h 6 shaft tolerance. Time 0,77 values must be considered in all other cases.

### Protection covers (accessories)

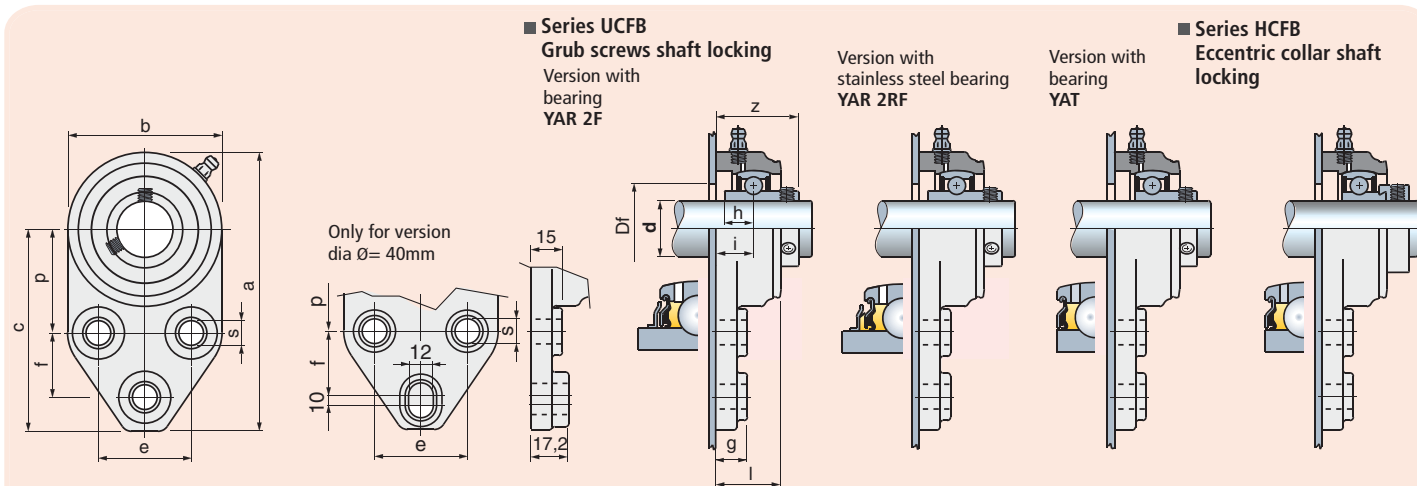


1 Seals  
2 Seals O-Ring

### Accessories

| dia<br>d<br>mm                   | Cover<br>orange | Abdichtkappe<br>rot<br>Microban® | t<br>mm | UCFB | HCFB |
|----------------------------------|-----------------|----------------------------------|---------|------|------|
|                                  | Code            |                                  |         |      |      |
| Closed cover supplied with seals |                 |                                  |         |      |      |
| 20                               | 681942          | 681982                           | 49      |      | 49   |
| 25                               | 681952          | 681992                           | 52      |      | 57   |
| 30                               | 63154           | 653322                           | 55      |      | 60   |
| 35                               | 682022          | 682042                           | 59      |      | 64,5 |
| 40                               | 600882          | 653352                           | 66,5    |      | 72   |
| Open cover supplied with seals   |                 |                                  |         |      |      |
| 20                               | 681962          | 682002                           | 49      |      | 49   |
| 25                               | 681972          | 682012                           | 52      |      | 57   |
| 30                               | 69965           | 653442                           | 55      |      | 60   |
| 35                               | 682032          | 682052                           | 59      |      | 64,5 |
| 40                               | 600892          | 653472                           | 66,5    |      | 72   |

## UCFB-HCFB



| dia.<br>d<br>mm                                                          | Series   | Housing material                                 |                                                                |                                                                     | Dimensions in mm |      |       |      |      |      |    |    |      |      |      |      | Bore in<br>frame<br>Df<br>mm | Bearing     | Weight<br>Kg |
|--------------------------------------------------------------------------|----------|--------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------|------------------|------|-------|------|------|------|----|----|------|------|------|------|------------------------------|-------------|--------------|
|                                                                          |          | Polyamide<br>PA FV<br>Solid<br>Flange<br>(black) | Polyamide<br>PA FV with<br>Microban®<br>Solid Flange<br>(grey) | Polypropylene<br>PP FV with<br>Microban®<br>Solid Flange<br>(white) | a                | b    | c     | p    | e    | f    | s  | g  | i    | h    | l    | z    |                              |             |              |
|                                                                          |          | Code                                             |                                                                |                                                                     |                  |      |       |      |      |      |    |    |      |      |      |      |                              |             |              |
| Grub screws shaft locking • Version with bearing YAR 2F                  |          |                                                  |                                                                |                                                                     |                  |      |       |      |      |      |    |    |      |      |      |      |                              |             |              |
| 20                                                                       | UCFB 204 | 601613                                           | —                                                              | —                                                                   | 124,2            | 68,8 | 89,8  | 46   | 41,3 | 28,6 | 11 | 14 | 16,4 | 12,7 | 28,3 | 34,7 | 24                           | YAR 204 2F  | 0,26         |
| 25                                                                       | UCFB 205 | 663912                                           | —                                                              | —                                                                   | 124,2            | 68,8 | 89,8  | 46   | 41,3 | 28,6 | 11 | 14 | 17,8 | 14,3 | 29   | 37,3 | 29                           | YAR 205 2F  | 0,33         |
| 30                                                                       | UCFB 206 | 663922                                           | —                                                              | —                                                                   | 138,6            | 81,3 | 97,9  | 52,4 | 47,6 | 31,7 | 11 | 14 | 20   | 15,9 | 31,5 | 42,5 | 34                           | YAR 206 2F  | 0,50         |
| 35                                                                       | UCFB 207 | 663932                                           | —                                                              | —                                                                   | 154,5            | 93,7 | 107,6 | 60,3 | 50,8 | 31,7 | 13 | 15 | 19,5 | 17,5 | 32   | 45,7 | 39                           | YAR 207 2F  | 0,72         |
| 40                                                                       | UCFB 208 | 601623                                           | —                                                              | —                                                                   | 164              | 100  | 114   | 60   | 50   | 31   | 13 | —  | 22   | 19   | 36   | 47,5 | 44                           | YAR 208 2F  | 0,84         |
| Grub screws shaft locking • Version with stainless steel bearing YAR 2RF |          |                                                  |                                                                |                                                                     |                  |      |       |      |      |      |    |    |      |      |      |      |                              |             |              |
| 20                                                                       | UCFB 204 | 601633                                           | 601653                                                         | 601673                                                              | 124,2            | 68,8 | 89,8  | 46   | 41,3 | 28,6 | 11 | 14 | 16,4 | 12,7 | 28,3 | 34,7 | 24                           | YAR 204 2RF | 0,26         |
| 25                                                                       | UCFB 205 | 663942                                           | 665952                                                         | 665982                                                              | 124,2            | 68,8 | 89,8  | 46   | 41,3 | 28,6 | 11 | 14 | 17,8 | 14,3 | 29   | 37,3 | 29                           | YAR 205 2RF | 0,33         |
| 30                                                                       | UCFB 206 | 663952                                           | 665962                                                         | 665992                                                              | 138,6            | 81,3 | 97,9  | 52,4 | 47,6 | 31,7 | 11 | 14 | 20   | 15,9 | 31,5 | 42,5 | 34                           | YAR 206 2RF | 0,50         |
| 35                                                                       | UCFB 207 | 663962                                           | 665972                                                         | 666002                                                              | 154,5            | 93,7 | 107,6 | 60,3 | 50,8 | 31,7 | 13 | 15 | 19,5 | 17,5 | 32   | 45,7 | 39                           | YAR 207 2RF | 0,72         |
| 40                                                                       | UCFB 208 | 601643                                           | 601653                                                         | 601683                                                              | 164              | 100  | 114   | 60   | 50   | 31   | 13 | —  | 22   | 19   | 36   | 47,5 | 44                           | YAR 208 2RF | 0,84         |
| Grub screws shaft locking • Version with bearing YAT                     |          |                                                  |                                                                |                                                                     |                  |      |       |      |      |      |    |    |      |      |      |      |                              |             |              |
| 20                                                                       | UCFB 204 | 601453                                           | 601493                                                         | 601573                                                              | 124,2            | 68,8 | 89,8  | 46   | 41,3 | 28,6 | 11 | 14 | 16,4 | —    | 28,3 | 34,7 | 24                           | YAT 204     | 0,26         |
| 25                                                                       | UCFB 205 | 663672                                           | 663732                                                         | 663852                                                              | 124,2            | 68,8 | 89,8  | 46   | 41,3 | 28,6 | 11 | 14 | 17,8 | —    | 29   | 37,3 | 29                           | YAT 205     | 0,30         |
| 30                                                                       | UCFB 206 | 663682                                           | 663742                                                         | 663862                                                              | 138,6            | 81,3 | 97,9  | 52,4 | 47,6 | 31,7 | 11 | 14 | 20   | —    | 31,5 | 42,5 | 34                           | YAT 206     | 0,45         |
| 35                                                                       | UCFB 207 | 663692                                           | 663752                                                         | 663872                                                              | 154,5            | 93,7 | 107,6 | 60,3 | 50,8 | 31,7 | 13 | 15 | 19,5 | —    | 32   | 45,7 | 39                           | YAT 207     | 0,62         |
| 40                                                                       | UCFB 208 | 601463                                           | 601503                                                         | 601583                                                              | 164              | 100  | 114   | 60   | 50   | 31   | 13 | —  | 22   | —    | 36   | 47,5 | 44                           | YAT 208     | 0,84         |
| Eccentric collar shaft locking                                           |          |                                                  |                                                                |                                                                     |                  |      |       |      |      |      |    |    |      |      |      |      |                              |             |              |
| 20                                                                       | HCFB 204 | 601473                                           | 601513                                                         | 601593                                                              | 124,2            | 68,8 | 89,8  | 46   | 41,3 | 28,6 | 11 | 14 | 16,4 | —    | 28,3 | 40   | 24                           | YET 204     | 0,29         |
| 25                                                                       | HCFB 205 | 663702                                           | 663762                                                         | 663882                                                              | 124,2            | 68,8 | 89,8  | 46   | 41,3 | 28,6 | 11 | 14 | 17,8 | —    | 34   | 41,3 | 29                           | YET 205     | 0,33         |
| 30                                                                       | HCFB 206 | 663712                                           | 663772                                                         | 663892                                                              | 138,6            | 81,3 | 97,9  | 52,4 | 47,6 | 31,7 | 11 | 14 | 20   | —    | 36,5 | 46,7 | 34                           | YET 206     | 0,48         |
| 35                                                                       | HCFB 207 | 663722                                           | 663782                                                         | 663902                                                              | 154,5            | 93,7 | 107,6 | 60,3 | 50,8 | 31,7 | 13 | 15 | 19,5 | —    | 38   | 49   | 39                           | YET 207     | 0,65         |
| 40                                                                       | HCFB 208 | 601483                                           | 601523                                                         | 601603                                                              | 164              | 100  | 114   | 60   | 50   | 31   | 13 | —  | 22   | —    | 36   | 55   | 44                           | YET 208     | 0,92         |

Packaging : 6 pieces.

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# Take-up bearing units

## UCT/C-HCT/C



- **Waterproof housing**
- **Grub screws or eccentric collar shaft locking**
- **PAFV polyamide housing**  
High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents.
- **PPFV polypropylene housing**  
Proof to highly aggressive chemical agents. Inferior loading ability.
- **Supports with Microban® antibacterial protection**  
Microban® material is effective against the most common bacteria that may grow in foodstuff like E. Coli, Salmonella, Listeria, S-Aureus, Campylobacter.

### Material

#### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Protection cover in polypropylene PP (orange) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Threaded insert in nickel plated brass.

#### PAFV polyamide housing with Microban®

Housing in reinforced polyamide PAFV resin (grey) with Microban® • Protection cover in polypropylene PP (red) with Microban® • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Threaded insert in nickel plated brass.

#### PPFV polypropylene housing with Microban®

Housing in reinforced polypropylene PPFV resin (white) with Microban® • Protection cover in polypropylene PP (red) with Microban® • Seal and O-Ring in NBR rubber (black). On request supplied in Viton rubber (brown). Viton material offers high resistance to chemical agents • Ball type stainless steel AISI 316 greasing nipple • Threaded insert in nickel plated brass.

### Loads

| Shaft dia.<br>d<br>mm | Bearing load                          |                  |                               | Bearing unit max. static load |
|-----------------------|---------------------------------------|------------------|-------------------------------|-------------------------------|
|                       | Load coefficient<br>dyn. 1)<br>C<br>N | stat.<br>Co<br>N | Max. 1)<br>axial<br>load<br>N |                               |
| 20                    | 12700                                 | 6550             | 2540                          | 16000                         |
| 25                    | 14000                                 | 7800             | 2800                          | 24000                         |
| 30                    | 19500                                 | 11200            | 3900                          | 27000                         |

1) = Values are valid for applications with  $\leq h 6$  shaft tolerance. Time 0,77 values must be considered in all other cases.

### Continuous operating temperature

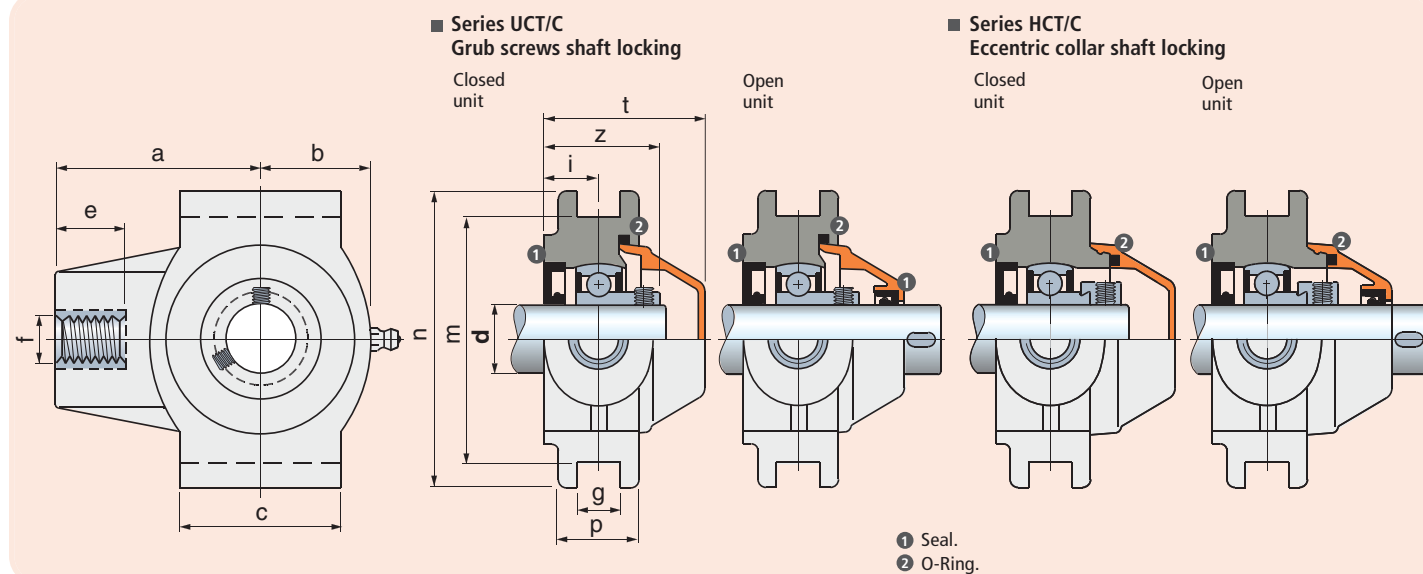
in air : - 20 to + 60°C.

### Maximum allowed misalignment: 2°.

### Bearing



Series YAT (grub screws shaft locking) • Series YET (eccentric collar shaft locking) • Chrome alloy steel • Superagriseal unit • Prelubricated with lithium/ calcium grease • Can be relubricated



|                                              |           | Housing material                                             |                                                                            |                                                                                 |                  |      |    |    |      |      |      |      |     |      |      |    |              |         |                 |                                | Spare parts |  |
|----------------------------------------------|-----------|--------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------|------|----|----|------|------|------|------|-----|------|------|----|--------------|---------|-----------------|--------------------------------|-------------|--|
| dia.<br>d<br>mm                              | Series    | Polyamide<br>PA FV<br>Flange<br>(black)<br>Cover<br>(orange) | Polyamide<br>PA FV with<br>Microban®<br>Flange<br>(grey)<br>Cover<br>(red) | Polypropylene<br>PP FV with<br>Microban®<br>Flange<br>(white)<br>Cover<br>(red) | Dimensions in mm |      |    |    |      |      |      |      |     |      |      |    | Weight<br>Kg | Bearing | Cover<br>orange | Cover<br>red with<br>Microban® |             |  |
|                                              |           | Code                                                         |                                                                            |                                                                                 | a                | b    | c  | e  | f    | g    | i    | m    | n   | Code | Code |    |              |         |                 |                                |             |  |
|                                              |           |                                                              |                                                                            |                                                                                 |                  |      |    |    |      |      |      |      |     |      |      |    |              |         |                 |                                |             |  |
| Grub screws shaft locking • Closed unit      |           |                                                              |                                                                            |                                                                                 |                  |      |    |    |      |      |      |      |     |      |      |    |              |         |                 |                                |             |  |
| 20                                           | UCT 204 C | 666952                                                       | 667072                                                                     | 677592                                                                          | 63,5             | 34   | 50 | 28 | M 16 | 13,5 | 17   | 76,2 | 92  | 25   | 35,5 | 50 | YAT 204      | 0,33    | 681862          | 681902                         |             |  |
| 25                                           | UCT 205 C | 666962                                                       | 667082                                                                     | 677602                                                                          | 68,5             | 39,5 | 50 | 28 | M 20 | 13,5 | 17   | 76,2 | 92  | 25   | 37,5 | 52 | YAT 205      | 0,39    | 681872          | 681912                         |             |  |
| 30                                           | UCT 206 C | 666972                                                       | 667092                                                                     | 677612                                                                          | 77               | 48   | 57 | 28 | M 24 | 13,5 | 18,5 | 89   | 104 | 28   | 39,5 | 55 | YAT 206      | 0,50    | 667812          | 667842                         |             |  |
| Grub screws shaft locking • Open unit        |           |                                                              |                                                                            |                                                                                 |                  |      |    |    |      |      |      |      |     |      |      |    |              |         |                 |                                |             |  |
| 20                                           | UCT 204 C | 666982                                                       | 667102                                                                     | 677622                                                                          | 63,5             | 34   | 50 | 28 | M 16 | 13,5 | 17   | 76,2 | 92  | 25   | 35,5 | 50 | YAT 204      | 0,33    | 681882          | 681922                         |             |  |
| 25                                           | UCT 205 C | 666992                                                       | 667112                                                                     | 677632                                                                          | 68,5             | 39,5 | 50 | 28 | M 20 | 13,5 | 17   | 76,2 | 92  | 25   | 37,5 | 52 | YAT 205      | 0,39    | 681892          | 681932                         |             |  |
| 30                                           | UCT 206 C | 667002                                                       | 667122                                                                     | 677642                                                                          | 77               | 48   | 57 | 28 | M 24 | 13,5 | 18,5 | 89   | 104 | 28   | 39,5 | 55 | YAT 206      | 0,50    | 667932          | 667962                         |             |  |
| Eccentric collar shaft locking • Closed unit |           |                                                              |                                                                            |                                                                                 |                  |      |    |    |      |      |      |      |     |      |      |    |              |         |                 |                                |             |  |
| 20                                           | HCT 204 C | 667012                                                       | 667132                                                                     | 677652                                                                          | 63,5             | 34   | 50 | 28 | M 16 | 13,5 | 17   | 76,2 | 92  | 25   | 42   | 57 | YET 204      | 0,36    | 681942          | 681982                         |             |  |
| 25                                           | HCT 205 C | 667022                                                       | 667142                                                                     | 677662                                                                          | 68,5             | 39,5 | 50 | 28 | M 20 | 13,5 | 17   | 76,2 | 92  | 25   | 43   | 58 | YET 205      | 0,42    | 681952          | 681992                         |             |  |
| 30                                           | HCT 206 C | 667032                                                       | 667152                                                                     | 677672                                                                          | 77               | 48   | 57 | 28 | M 24 | 13,5 | 18,5 | 89   | 104 | 28   | 47   | 62 | YET 206      | 0,53    | 63154           | 653322                         |             |  |
| Eccentric collar shaft locking • Open unit   |           |                                                              |                                                                            |                                                                                 |                  |      |    |    |      |      |      |      |     |      |      |    |              |         |                 |                                |             |  |
| 20                                           | HCT 204 C | 667042                                                       | 667162                                                                     | 677682                                                                          | 63,5             | 34   | 50 | 28 | M 16 | 13,5 | 17   | 76,2 | 92  | 25   | 42   | 57 | YET 204      | 0,36    | 681962          | 682002                         |             |  |
| 25                                           | HCT 205 C | 667052                                                       | 667172                                                                     | 677692                                                                          | 68,5             | 39,5 | 50 | 28 | M 20 | 13,5 | 17   | 76,2 | 92  | 25   | 43   | 58 | YET 205      | 0,42    | 681972          | 682012                         |             |  |
| 30                                           | HCT 206 C | 667062                                                       | 667182                                                                     | 677702                                                                          | 77               | 48   | 57 | 28 | M 24 | 13,5 | 18,5 | 89   | 104 | 28   | 47   | 62 | YET 206      | 0,53    | 69965           | 653442                         |             |  |

Packaging : 6 pieces.

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# Take-up bearing units

## UCT-HCT



Accessories



### Material

#### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Ball type nickel plated brass greasing nipple • Threaded insert in nickel plated brass.

#### PAFV polyamide housing with Microban®

Housing in reinforced polyamide PAFV resin (grey) with Microban® • Bearing in stainless steel AISI 420 • Ball type nickel plated brass greasing nipple • Threaded insert in nickel plated brass.

#### PPFV polypropylene housing with Microban®

Housing in reinforced polypropylene PPFV resin (white) with Microban® • Bearing in stainless steel AISI 420 • Ball type stainless steel AISI 316 greasing nipple • Threaded insert in nickel plated brass.

### Continuous operating temperature

in air : - 20 to + 60°C.

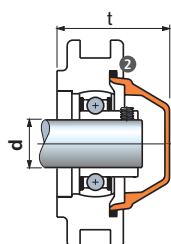
### Maximum allowed misalignment: 2°.

### Bearing

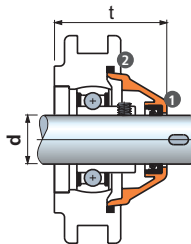
Series YAR 2F (grub screws shaft locking, chrome alloy steel, Superagriseal unit plus centrifuging ring) • Series YAR 2RF (grub screws shaft locking, stainless steel AISI 420, Superagriseal unit plus rubberised centrifuging ring) • Series YAT (grub screws shaft locking, chrome alloy steel, Superagriseal unit) • Series YET (eccentric collar shaft locking, chrome alloy steel, Superagriseal unit) • Prelubricated with lithium/ calcium grease • Can be relubricated

### Protection cover (accessories)

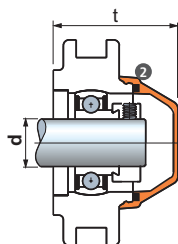
Series UCT  
Closed cover



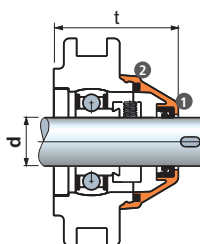
Series UCT  
Open cover



Series HCT  
Closed cover



Series HCT  
Open cover



1 Seal  
2 O-Ring

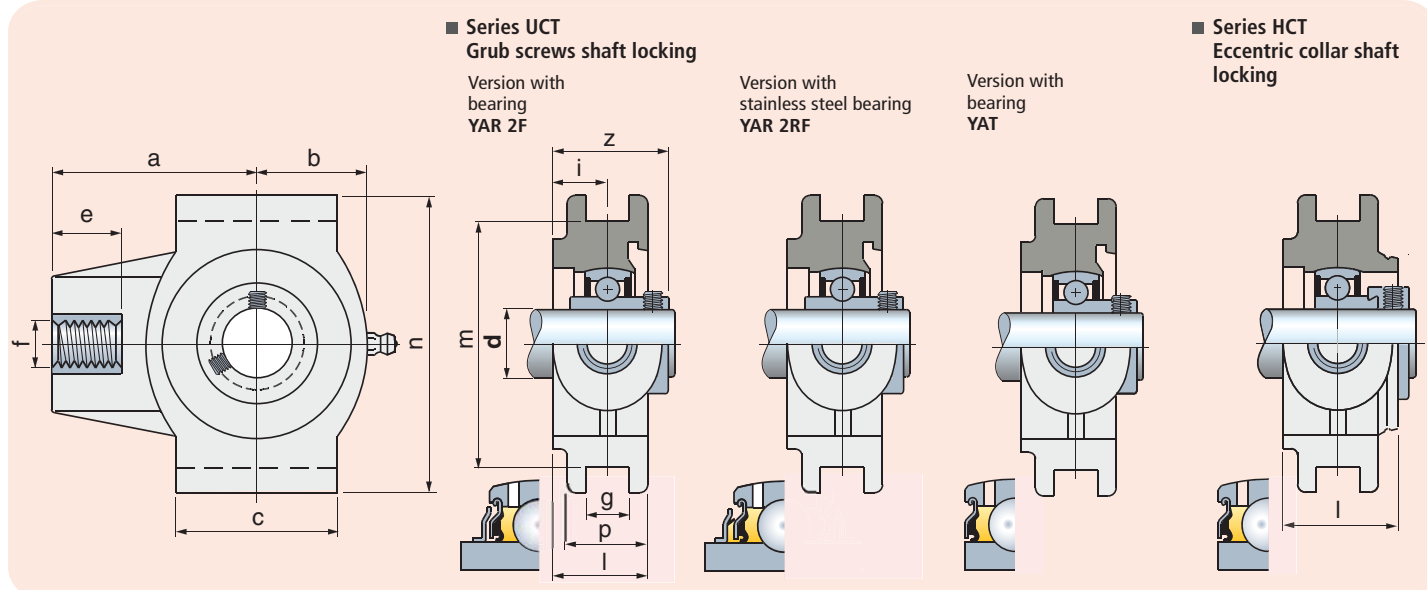
- **Grub screws or eccentric collar shaft locking**
- **Version with bearing YAR 2F**  
The double ring guarantees maximum protection against dust and non-corrosive substances.
- **Version with stainless steel bearing YAR 2RF**  
AISI 420 stainless steel bearing with 2 rubberised rings, provides excellent seal against humidity, steams, liquids, medium corrosive chemical agents. Maximum load ability is inferior.
- **Version with bearing YAT**  
The rubberised ring guarantees maximum protection against dusts.
- **Supports with Microban® antibacterial protection**  
Microban® material is effective against the most common bacteria that may grow in foodstuff like E. Coli, Salmonella, Listeria, S-Aureus, Campylobacter.
- **Material**  
Polyamide PA FV guarantees maximum strength and high-temperature resistance.  
Polypropylene PP FV offers excellent resistance to chemical agents but inferior load ability.

### Loads

| Shaft dia.<br>d<br>mm | Bearing load<br>YAR 2F - YAT - YET    |                  |                               | Bearing load<br>YAR 2RF               |                  |                               | Bearing unit max.<br>static load |
|-----------------------|---------------------------------------|------------------|-------------------------------|---------------------------------------|------------------|-------------------------------|----------------------------------|
|                       | Load coefficient<br>dyn. 1)<br>C<br>N | stat.<br>Co<br>N | Max. 1)<br>axial<br>load<br>N | Load coefficient<br>dyn. 1)<br>C<br>N | stat.<br>Co<br>N | Max. 1)<br>axial<br>load<br>N |                                  |
| 20                    | 12700                                 | 6550             | 2540                          | 10800                                 | 6550             | 2160                          | 16000                            |
| 25                    | 14000                                 | 7800             | 2800                          | 11900                                 | 7800             | 2380                          | 24000                            |
| 30                    | 19500                                 | 11200            | 3900                          | 16250                                 | 11200            | 3250                          | 27000                            |

1) = Values are valid for applications with ≤ h 6 shaft tolerance. Time 0.77 values must be considered in all other cases.

| Accessories                                |                 |                                       |         |         |
|--------------------------------------------|-----------------|---------------------------------------|---------|---------|
| dia.<br>d<br>mm                            | Cover<br>orange | Cover<br>red with<br><b>Microban®</b> | t<br>mm | UCT HCT |
|                                            | Code            |                                       |         |         |
|                                            |                 |                                       |         |         |
| Serie UCT Closed cover supplied with seals |                 |                                       |         |         |
| 20                                         | 681862          | 681902                                | 50      | —       |
| 25                                         | 681872          | 681912                                | 52      | —       |
| 30                                         | 667812          | 667842                                | 55      | —       |
| Serie UCT Open cover supplied with seals   |                 |                                       |         |         |
| 20                                         | 681882          | 681922                                | 50      | —       |
| 25                                         | 681892          | 681932                                | 52      | —       |
| 30                                         | 667932          | 667962                                | 55      | —       |
| Serie HCT Closed cover supplied with seals |                 |                                       |         |         |
| 20                                         | 681942          | 681982                                | —       | 57      |
| 25                                         | 681952          | 681992                                | —       | 58      |
| 30                                         | 63154           | 653322                                | —       | 62      |
| Serie HCT Open cover supplied with seals   |                 |                                       |         |         |
| 20                                         | 681962          | 682002                                | —       | 57      |
| 25                                         | 681972          | 682012                                | —       | 58      |
| 30                                         | 69965           | 653442                                | —       | 62      |



| dia.<br>d<br>mm                                                          | Series  | Housing material                        |                                                          |                                                               | Dimensions in mm |      |    |    |      |      |      |      |      |     |    |      |             |      | Bearing | Weight<br>Kg |
|--------------------------------------------------------------------------|---------|-----------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|------------------|------|----|----|------|------|------|------|------|-----|----|------|-------------|------|---------|--------------|
|                                                                          |         | Polyamide<br>PA FV<br>Flange<br>(black) | Polyamide<br>PA FV with<br>Microban®<br>Flange<br>(grey) | Polypropylene<br>PP FV with<br>Microban®<br>Flange<br>(white) | a                | b    | c  | e  | f    | g    | i    | l    | m    | n   | p  | z    |             |      |         |              |
|                                                                          |         | Code                                    |                                                          |                                                               |                  |      |    |    |      |      |      |      |      |     |    |      |             |      |         |              |
| Grub screws shaft locking • Version with bearing YAR 2F                  |         |                                         |                                                          |                                                               |                  |      |    |    |      |      |      |      |      |     |    |      |             |      |         |              |
| 20                                                                       | UCT 204 | 667672                                  | —                                                        | —                                                             | 63,5             | 34   | 50 | 28 | M 16 | 13,5 | 17   | 29,5 | 76,2 | 92  | 25 | 35,5 | YAR 204 2F  | 0,31 |         |              |
| 25                                                                       | UCT 205 | 667682                                  | —                                                        | —                                                             | 68,5             | 39,5 | 50 | 28 | M 20 | 13,5 | 17   | 29,5 | 76,2 | 92  | 25 | 37,5 | YAR 205 2F  | 0,37 |         |              |
| 30                                                                       | UCT 206 | 667692                                  | —                                                        | —                                                             | 77               | 48   | 57 | 28 | M 24 | 13,5 | 18,5 | 32,5 | 89   | 104 | 28 | 39,5 | YAR 206 2F  | 0,48 |         |              |
| Grub screws shaft locking • Version with stainless steel bearing YAR 2RF |         |                                         |                                                          |                                                               |                  |      |    |    |      |      |      |      |      |     |    |      |             |      |         |              |
| 20                                                                       | UCT 204 | 667702                                  | 667732                                                   | 667762                                                        | 63,5             | 34   | 50 | 28 | M 16 | 13,5 | 17   | 29,5 | 76,2 | 92  | 25 | 35,5 | YAR 204 2RF | 0,31 |         |              |
| 25                                                                       | UCT 205 | 667712                                  | 667742                                                   | 667772                                                        | 68,5             | 39,5 | 50 | 28 | M 20 | 13,5 | 17   | 29,5 | 76,2 | 92  | 25 | 37,5 | YAR 205 2RF | 0,37 |         |              |
| 30                                                                       | UCT 206 | 667722                                  | 667752                                                   | 667782                                                        | 77               | 48   | 57 | 28 | M 24 | 13,5 | 18,5 | 32,5 | 89   | 104 | 28 | 39,5 | YAR 206 2RF | 0,48 |         |              |
| Grub screws shaft locking • Version with bearing YAT                     |         |                                         |                                                          |                                                               |                  |      |    |    |      |      |      |      |      |     |    |      |             |      |         |              |
| 20                                                                       | UCT 204 | 667432                                  | 667462                                                   | 667522                                                        | 63,5             | 34   | 50 | 28 | M 16 | 13,5 | 17   | 29,5 | 76,2 | 92  | 25 | 35,5 | YAT 204     | 0,31 |         |              |
| 25                                                                       | UCT 205 | 667442                                  | 667472                                                   | 667532                                                        | 68,5             | 39,5 | 50 | 28 | M 20 | 13,5 | 17   | 29,5 | 76,2 | 92  | 25 | 37,5 | YAT 205     | 0,37 |         |              |
| 30                                                                       | UCT 206 | 667452                                  | 667482                                                   | 667542                                                        | 77               | 48   | 57 | 28 | M 24 | 13,5 | 18,5 | 32,5 | 89   | 104 | 28 | 39,5 | YAT 206     | 0,48 |         |              |
| Eccentric collar shaft locking                                           |         |                                         |                                                          |                                                               |                  |      |    |    |      |      |      |      |      |     |    |      |             |      |         |              |
| 20                                                                       | HCT 204 | 667552                                  | 667582                                                   | 667642                                                        | 63,5             | 34   | 50 | 28 | M 16 | 13,5 | 17   | 35,5 | 76,2 | 92  | 25 | 40,5 | YET 204     | 0,34 |         |              |
| 25                                                                       | HCT 205 | 667562                                  | 667592                                                   | 667652                                                        | 68,5             | 39,5 | 50 | 28 | M 20 | 13,5 | 17   | 35,5 | 76,2 | 92  | 25 | 41   | YET 205     | 0,40 |         |              |
| 30                                                                       | HCT 206 | 667572                                  | 667602                                                   | 667662                                                        | 77               | 48   | 57 | 28 | M 24 | 13,5 | 18,5 | 38,5 | 89   | 104 | 28 | 45,2 | YET 206     | 0,51 |         |              |

Packaging : 6 pieces.

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# Round flange bearing units

## UCFC/C



- **Waterproof housing**
- **Grub screws shaft locking**
- **PAFV polyamide housing**  
High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents.
- **PPFV polypropylene housing**  
Proof to highly aggressive chemical agents. Inferior loading ability.

### Material

#### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Protection cover in polypropylene PP (orange) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304

#### PPFV polypropylene housing

Housing in reinforced polypropylene PPFV resin (black) • Protection cover in polypropylene PP (orange) • Seal and O-Ring in NBR rubber (black). On request supplied in Viton rubber (brown). Viton material offers high resistance to chemical agents • Ball type stainless steel AISI 316 greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 316.

### Loads

| Shaft dia.<br>d<br>mm | Bearing load                                    |                  |                                          | Bearing unit max. static load                                                                    |                                                                                                  |                                                                                                  |                                                                                                  |
|-----------------------|-------------------------------------------------|------------------|------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|                       | Load coefficient<br>dyn <sup>1)</sup><br>C<br>N | stat.<br>Co<br>N | Max. <sup>1)</sup><br>axial<br>load<br>N |  PA FV<br>N |  PP FV<br>N |  PA FV<br>N |  PP FV<br>N |
| 35                    | 25500                                           | 15300            | 5100                                     | 19550                                                                                            | 12650                                                                                            | 23000                                                                                            | 11500                                                                                            |

1) = Values are valid for applications with  $\leq h 6$  shaft tolerance. Time 0,77 values must be considered in all other cases.

### Continuous operating temperature

in air : - 20 to + 60°C.

### Maximum allowed misalignment: 2°.

### Bearing



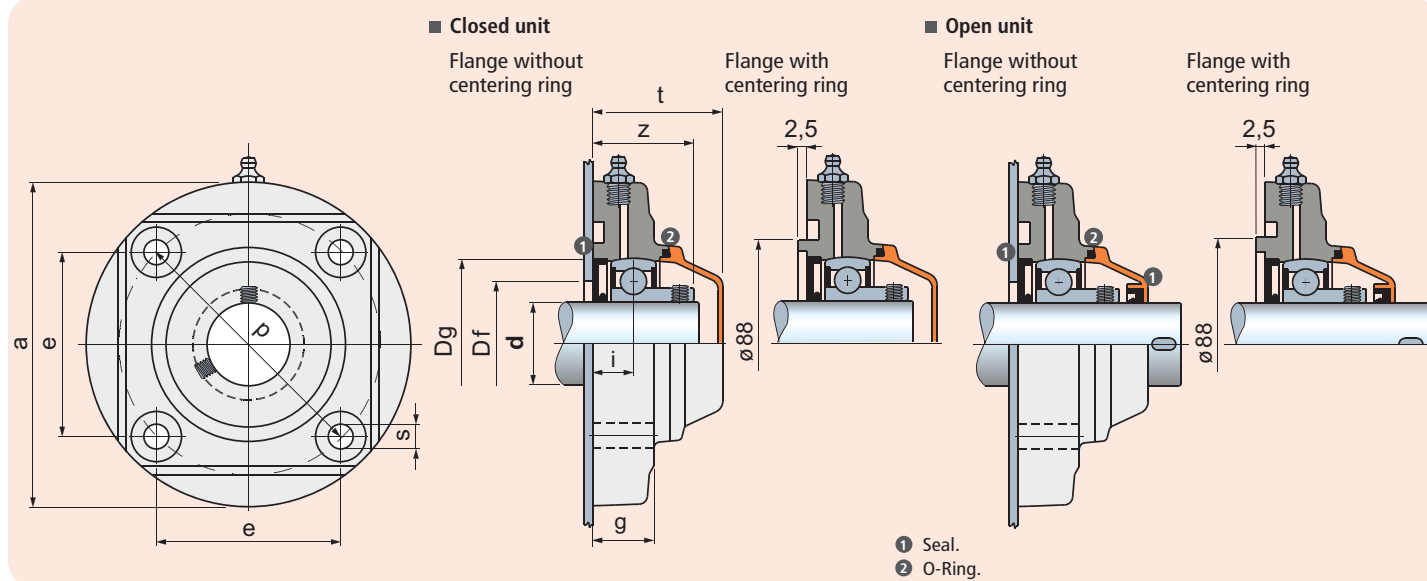
- Series YAT (grub screws shaft locking) • Chrome alloy steel
- Superagriseal unit • Prelubricated with lithium/ calcium grease
- Can be relubricated

### Quick coupler for remote lubrication (accessory)



Code : 67843.

The system foresees semirigid dia. 4 mm tubes made out of Rilsan/Nylon. The tubes are connected to the joints by means of rapid graft.  
Material nickel plated brass.  
Dimension : 1/8 Gas.



| dia.<br>d<br>mm | Flange                 | Series     | Housing material                                                         |                                                                              | Dimensions in mm |     |     |    |    |      |      |    |    |      | Bore in frame <sup>2)</sup><br>Df |         | Weight<br>Kg | Spare parts     |
|-----------------|------------------------|------------|--------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------|-----|-----|----|----|------|------|----|----|------|-----------------------------------|---------|--------------|-----------------|
|                 |                        |            | Polyamide<br>PA FV<br>Standard<br>Flange<br>(black)<br>Cover<br>(orange) | Polypropylene<br>PP FV<br>Standard<br>Flange<br>(black)<br>Cover<br>(orange) | e                | a   | p   | s  | g  | i    | z    | t  | Dg | max. | min.                              | Bearing |              | Cover<br>orange |
|                 |                        |            | Code                                                                     | Code                                                                         |                  |     |     |    |    |      |      |    |    |      |                                   |         |              | Code            |
| Closed unit     |                        |            |                                                                          |                                                                              |                  |     |     |    |    |      |      |    |    |      |                                   |         |              |                 |
| 35              | Without centering ring | UCFC 207 C | 683921                                                                   | 681802                                                                       | 77,8             | 137 | 110 | 11 | 26 | 17,3 | 42,7 | 55 | 72 | 70   | 55                                | YAT 207 | 0,75         | 603772          |
|                 | With centering ring    | UCFC 207 C | 624772                                                                   | —                                                                            | 77,8             | 137 | 110 | 11 | 26 | 17,3 | 42,7 | 55 | 72 | —    | —                                 | YAT 207 | 0,75         | 603772          |
| Open unit       |                        |            |                                                                          |                                                                              |                  |     |     |    |    |      |      |    |    |      |                                   |         |              |                 |
| 35              | Without centering ring | UCFC 207 C | 683931                                                                   | 681812                                                                       | 77,8             | 137 | 110 | 11 | 26 | 17,3 | 42,7 | 55 | 72 | 70   | 55                                | YAT 207 | 0,75         | 603792          |
|                 | With centering ring    | UCFC 207 C | 624782                                                                   | —                                                                            | 77,8             | 137 | 110 | 11 | 26 | 17,3 | 42,7 | 55 | 72 | —    | —                                 | YAT 207 | 0,75         | 603792          |

2) = Dimensions Df max / Df min must be respected to ensure positive retention of the seals and to allow air bleeding during lubrication.

Packaging : 6 pieces.

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# Round flange bearing units

## UCFC



Accessories

- **Grub screws shaft locking**
- **Version with bearing YAR 2F**  
The double ring guarantees maximum protection against dust and non-corrosive substances.
- **Version with stainless steel bearing YAR 2RF**  
AISI 420 stainless steel bearing with 2 rubberised rings, provides excellent seal against humidity, steams, liquids, medium corrosive chemical agents. Maximum load ability is inferior.
- **Version with bearing YAT**  
The rubberised ring guarantees maximum protection against dusts.
- **Material**  
Polyamide PA FV guarantees maximum strength and high-temperature resistance.

### Material

#### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304.

### Continuous operating temperature

in air : - 20 to + 60°C.

### Maximum allowed misalignment: 2°.

### Bearing

Series YAR 2F (grub screws shaft locking, chrome alloy steel, Superagriseal unit plus centrifuging ring) • Series YAR 2RF (grub screws shaft locking, stainless steel AISI 420, Superagriseal unit plus rubberised centrifuging ring) • Series YAT (grub screws shaft locking, chrome alloy steel, Superagriseal unit) • Prelubricated with lithium/ calcium grease • Can be relubricated

### Quick coupler for remote lubrication (accessory)



**Code : 67843.**

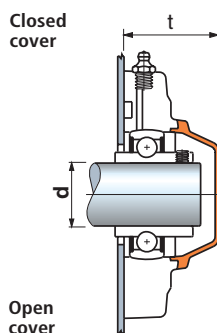
The system foresees semirigid dia. 4 mm tubes made out of Rilsan/Nylon. The tubes are connected to the joints by means of rapid graft.  
Material nickel plated brass.  
Dimension : 1/8 Gas.

### Loads

| Shaft dia.<br>d<br>mm | Bearing load<br>YAR 2F - YAT                     |                  |                                         | Bearing load<br>YAR 2RF                          |                  |                                         | Bearing unit max.<br>static load |            |
|-----------------------|--------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------|------------------|-----------------------------------------|----------------------------------|------------|
|                       | Load coefficient<br>dyn. <sup>1)</sup><br>C<br>N | stat.<br>Co<br>N | Max <sup>1)</sup><br>axial<br>load<br>N | Load coefficient<br>dyn. <sup>1)</sup><br>C<br>N | stat.<br>Co<br>N | Max <sup>1)</sup><br>axial<br>load<br>N | PA FV<br>N                       | PA FV<br>N |
| 35                    | 25500                                            | 15300            | 5100                                    | 21600                                            | 15300            | 4320                                    | 19550                            | 23000      |

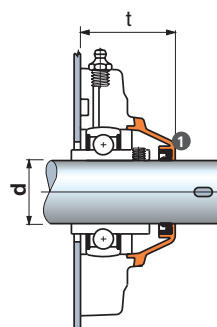
1) = Values are valid for applications with ≤ h 6 shaft tolerance. Time 0,77 values must be considered in all other cases.

### Protection covers (accessories)

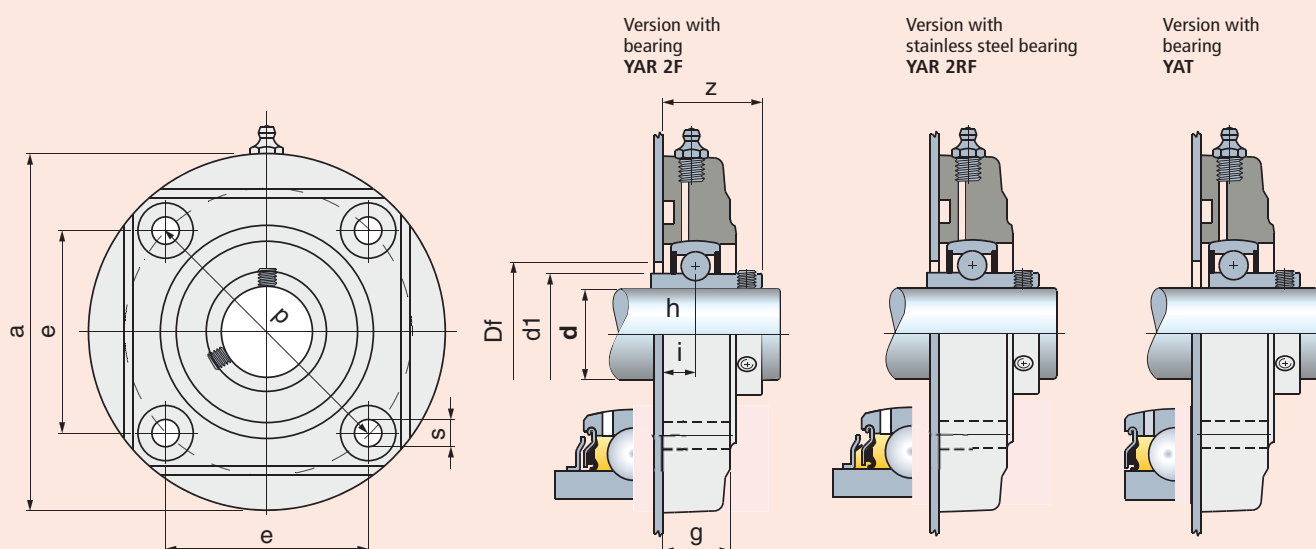


#### Accessories

| dia.<br>d<br>mm                            | Cover<br>orange<br>Code | t<br>mm |
|--------------------------------------------|-------------------------|---------|
| <b>Closed cover supplied without seals</b> |                         |         |
| 35                                         | 63232                   | 50      |
| <b>Open cover supplied with seals</b>      |                         |         |
| 35                                         | 604042                  | 50      |



① Seals



| dia.<br>d<br>mm                              | Series   | Housing material                                    |      | e   | a   | p  | Dimensions in mm |      |      |      |      | d1 | Bore in<br>frame<br>Df<br>mm | Bearing | Weight<br>Kg |
|----------------------------------------------|----------|-----------------------------------------------------|------|-----|-----|----|------------------|------|------|------|------|----|------------------------------|---------|--------------|
|                                              |          | Polyamide<br>PA FV<br>Standard<br>Flange<br>(black) | Code |     |     |    | s                | g    | i    | h    | z    |    |                              |         |              |
|                                              |          |                                                     |      |     |     |    |                  |      |      |      |      |    |                              |         |              |
| Version with bearing YAR 2F                  |          |                                                     |      |     |     |    |                  |      |      |      |      |    |                              |         |              |
| 35                                           | UCFC 207 | 60752                                               | 77,8 | 137 | 110 | 11 | 26               | 12,3 | 17,5 | 37,7 | 46,1 | 50 | YAR 207 2F                   | 0,75    |              |
| Version with stainless steel bearing YAR 2RF |          |                                                     |      |     |     |    |                  |      |      |      |      |    |                              |         |              |
| 35                                           | UCFC 207 | 646652                                              | 77,8 | 137 | 110 | 11 | 26               | 12,3 | 17,5 | 37,7 | 46,1 | 50 | YAR 207 2RF                  | 0,75    |              |
| Version with bearing YAT                     |          |                                                     |      |     |     |    |                  |      |      |      |      |    |                              |         |              |
| 35                                           | UCFC 207 | 681822                                              | 77,8 | 137 | 110 | 11 | 26               | 12,3 | 17,5 | 37,7 | 46,1 | 50 | YAT 207                      | 0,75    |              |

Packaging : 6 pieces.

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# Round flange bearing units

## FC



- **Waterproof housing**
- **Shaft shoulders locking**  
High axial load capacity.
- **PAFV polyamide housing**  
High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents
- **PPFV polypropylene housing**  
Proof to highly aggressive chemical agents.  
Inferior loading ability.

### Material

#### PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304 .

#### PPFV polypropylene housing

Housing in reinforced polypropylene PPFV resin (black) • Seal and O-Ring in NBR rubber (black). On request supplied in Viton rubber (brown). Viton material offers high resistance to chemical agents • Ball type stainless steel AISI 316 greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 316.

### Loads

| Shaft<br>dia.<br><b>da</b><br>mm | Bearing<br>dia.<br><b>d</b><br>mm | Bearing load          |                         | Bearing unit max.<br>static load |            |            |            |            |
|----------------------------------|-----------------------------------|-----------------------|-------------------------|----------------------------------|------------|------------|------------|------------|
|                                  |                                   | Load<br>coefficient   |                         |                                  |            |            |            |            |
|                                  |                                   | dyn.<br><b>C</b><br>N | stat.<br><b>Co</b><br>N | PA FV<br>N                       | PA FV<br>N | PA FV<br>N | PA FV<br>N | PA FV<br>N |
| 35                               | 30                                | 15600                 | 4650                    | 17250                            | 11500      | 17250      | 23000      | 12650      |

### Continuous operating temperature

in air : - 20 to + 60°C.

### Maximum allowed misalignment: 2°.

### Bearing



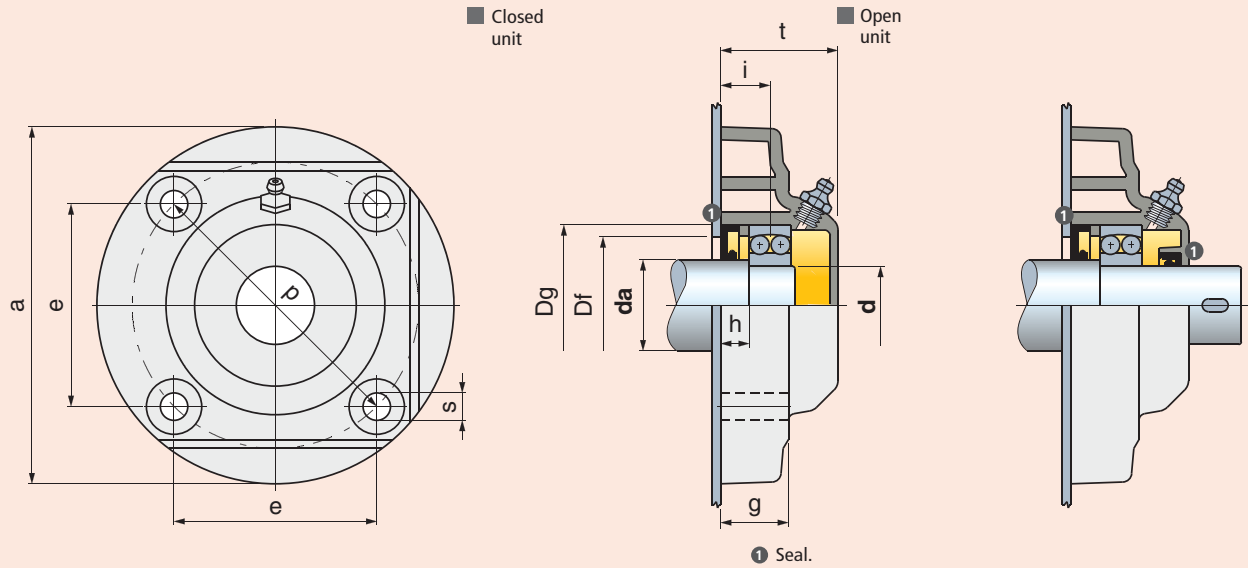
Series 1200 self aligning ball bearing • Chrome alloy steel • Supplied without grease • To be prelubricated with lithium/calcium grease during first installation.

### Quick coupler for remote lubrication (accessories)



**Code : 67843.**

The system foresees semirigid dia. 4 mm tubes made out of Rilsan/Nylon. The tubes are connected to the joints by means of rapid graft.  
Material nickel plated brass.  
Dimension : 1/8 Gas.



| Shaft<br>dia.<br>da<br>mm | Bearing<br>dia.<br>d<br>mm | Series  | Housing material                                    |                                                         | e    | a   | p   | Dimensions in mm |    |    |    |    |    | Bore in<br>frame <sup>2)</sup><br>Df |      | Bearing | Weight<br>Kg |
|---------------------------|----------------------------|---------|-----------------------------------------------------|---------------------------------------------------------|------|-----|-----|------------------|----|----|----|----|----|--------------------------------------|------|---------|--------------|
|                           |                            |         | Polyamide<br>PA FV<br>Standard<br>Flange<br>(black) | Polypropylene<br>PP FV<br>Standard<br>Flange<br>(black) |      |     |     | s                | g  | i  | h  | t  | Dg | max.                                 | min. |         |              |
|                           |                            |         | Code                                                |                                                         |      |     |     |                  |    |    |    |    |    |                                      |      |         |              |
| Closed unit               |                            |         |                                                     |                                                         |      |     |     |                  |    |    |    |    |    |                                      |      |         |              |
| 35                        | 30                         | FC 1206 | 65801                                               | 681842                                                  | 77,8 | 137 | 110 | 11               | 26 | 19 | 11 | 45 | 62 | 60                                   | 52   | 1206    | 0,57         |
| Open unit                 |                            |         |                                                     |                                                         |      |     |     |                  |    |    |    |    |    |                                      |      |         |              |
| 35                        | 30                         | FC 1206 | 65891                                               | 681852                                                  | 77,8 | 137 | 110 | 11               | 26 | 19 | 11 | 45 | 62 | 60                                   | 52   | 1206    | 0,57         |

2) = Dimensions Df max / Df min must be respected to ensure positive retention of the seals and to allow air bleeding during lubrication.  
Packaging : 6 pieces.

INDICATIVE GUIDE LINES  
FOR PRODUCT AVAILABILITIES:

On stock

On request for appropriate  
suitable quantities



# Round flange bearing units

## SBF



### ■ Stainless steel AISI 304 flange

### ■ Stainless steel bearing YAR 2RF

AISI 420 stainless steel bearing with 2 rubberised rings, provides excellent seal against humidity, steams, liquids, medium corrosive chemical agents.

### ■ Load capacity

The pressed steel flanged support is suitable for light duties.

### ■ Material

Pressed stainless steel AISI 304 flanges.

### ■ Continuous operating temperature

in air : - 20 to + 60°C.

### ■ Maximum allowed misalignment: 5°.

### ■ Bearing

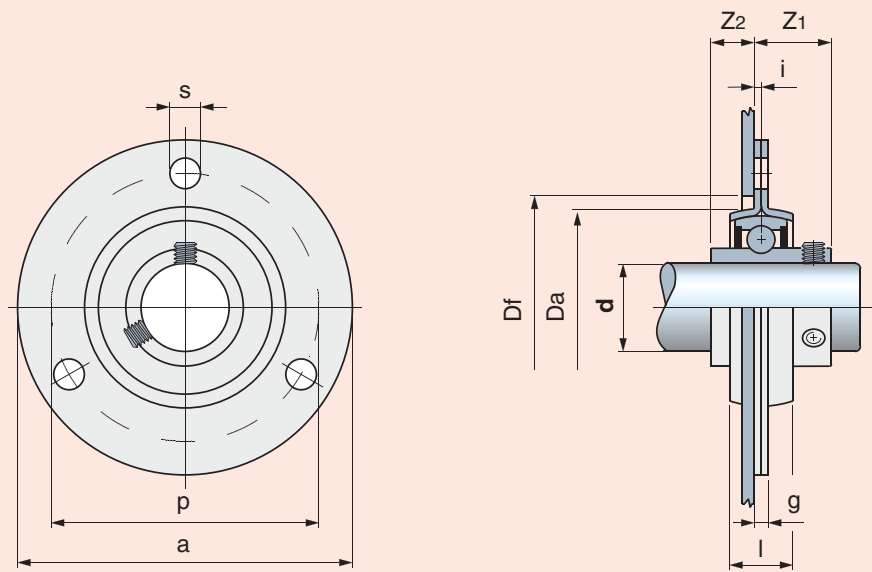


Series YAR 2RF (grub screws shaft locking, stainless steel AISI 420, Superagriseal unit plus rubberised centrifuging ring) • Prelubricated with lithium/ calcium grease • Can be relubricated.

### ■ Loads

| Shaft<br>dia.<br>d<br>mm | Bearing load                 |                  |
|--------------------------|------------------------------|------------------|
|                          | Load<br>coefficient          |                  |
|                          | dyn. <sup>1)</sup><br>C<br>N | stat.<br>Co<br>N |
| 25                       | 11900                        | 7800             |

1) = Values are valid for applications with  $\leq h 6$  shaft tolerance. Time 0,77 values must be considered in all other cases.



| dia.<br>d<br>mm | Series  | Housing material            |        | p  | a  | s   | Dimensions in mm |   |    | Z1   | Z2   | Bore in<br>frame<br>Df | Bearing     | Weight<br>Kg |
|-----------------|---------|-----------------------------|--------|----|----|-----|------------------|---|----|------|------|------------------------|-------------|--------------|
|                 |         | Stainless steel<br>AISI 304 | Code   |    |    |     | g                | i | l  |      |      |                        |             |              |
| 25              | SBF 205 |                             | 604562 | 76 | 95 | 8,7 | 4                | 2 | 18 | 21,8 | 12,3 | 60                     | YAR 205 2RF | 0,35         |

Packaging : 4 pieces.

INDICATIVE GUIDE LINES  
FOR PRODUCT AVAILABILITIES:

On stock

# Spare parts

## UCF/C - UCF - UCFS/C - UCFL/C - UCFL - UCFSL/C - UCP/C - UCP



| Housing material          |                                                     |                                                                |                                                                     |
|---------------------------|-----------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------|
|                           | Polyamide<br>PA FV<br>Standard<br>Flange<br>(black) | Polyamide<br>PA FV with<br>Microban®<br>Solid Flange<br>(grey) | Polypropylene<br>PP FV with<br>Microban®<br>Solid Flange<br>(white) |
| dia.<br>d<br>mm           | Code                                                |                                                                |                                                                     |
| Seal                      |                                                     |                                                                |                                                                     |
| 17                        | 696152                                              | 696152                                                         | 696152                                                              |
| 20                        | 632151                                              | 632151                                                         | 632151                                                              |
| 25                        | 608941                                              | 608941                                                         | 608941                                                              |
| 30                        | 68416                                               | 68416                                                          | 68416                                                               |
| 35                        | 641111                                              | 641111                                                         | 641111                                                              |
| 40                        | 632141                                              | 632141                                                         | 632141                                                              |
| 40*                       | 603622                                              | 603622                                                         | 603622                                                              |
| 45*                       | 686852                                              | 686852                                                         | 686832                                                              |
| 50*                       | 686862                                              | 686862                                                         | 686842                                                              |
| Ball type greasing nipple |                                                     |                                                                |                                                                     |
|                           | 64437                                               | 64437                                                          | 63617                                                               |

\* = Version with special fixing holes.

- Material : seal in NBR rubber (black). Ball type nickel plated brass greasing nipple for PA FV version, ball type stainless steel AISI 316 for PP FV version.

## F - FL - FC



| Housing material          |                                                     |                                                         |
|---------------------------|-----------------------------------------------------|---------------------------------------------------------|
| dia.<br>da<br>mm          | Polyamide<br>PA FV<br>Standard<br>Flange<br>(black) | Polypropylene<br>PP FV<br>Standard<br>Flange<br>(black) |
|                           | Code                                                |                                                         |
| Seal                      |                                                     |                                                         |
| 25                        | 603642                                              | 603642                                                  |
| 30                        | 603662                                              | 603662                                                  |
| 35                        | 603682                                              | 603682                                                  |
| 40                        | 603702                                              | 603702                                                  |
| 45                        | 603722                                              | 603722                                                  |
| 45*                       | 603742                                              | 603742                                                  |
| Ball type greasing nipple |                                                     |                                                         |
|                           | 64437                                               | 63617                                                   |

\* = Version with special fixing holes.

- Material : seal in NBR rubber (black). Ball type nickel plated brass greasing nipple for PA FV version, ball type stainless steel AISI 316 for PP FV version.

## UCPA/C - UCPA - UCFB/C - UCFB - UCT/C - UCT



| Housing material          |                                                     |                                                                |                                                                     |
|---------------------------|-----------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------|
|                           | Polyamide<br>PA FV<br>Standard<br>Flange<br>(black) | Polyamide<br>PA FV with<br>Microban®<br>Solid Flange<br>(grey) | Polypropylene<br>PP FV with<br>Microban®<br>Solid Flange<br>(white) |
| dia.<br>d<br>mm           | Code                                                |                                                                |                                                                     |
| Seal                      |                                                     |                                                                |                                                                     |
| 17                        | 696152                                              | 696152                                                         | 696152                                                              |
| 20                        | 632151                                              | 632151                                                         | 632151                                                              |
| 25                        | 608941                                              | 608941                                                         | 608941                                                              |
| 30                        | 68416                                               | 68416                                                          | 68416                                                               |
| 35                        | 641111                                              | 641111                                                         | 641111                                                              |
| 40                        | 632141                                              | 632141                                                         | 632141                                                              |
| Ball type greasing nipple |                                                     |                                                                |                                                                     |
|                           | 665422                                              | 665422                                                         | 665432                                                              |

- Material : seal in NBR rubber (black). Ball type nickel plated brass greasing nipple for PA FV version, ball type stainless steel AISI 316 for PP FV version.

# Technical information

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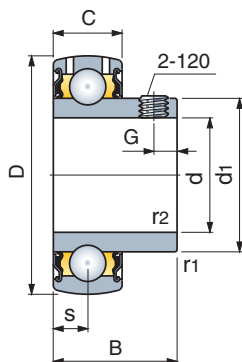
- Mounting recommendations B61
- Bearing locking by grub screws B61
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# Bearings

## Bearings with grub screw locking system

Prelubricated with long lasting lithium/calcium grease • Can be rilubricated

### Series YAT

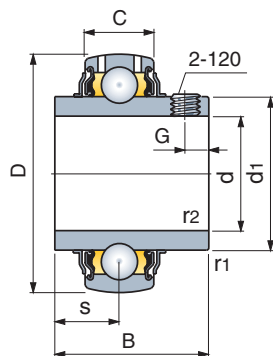


| d<br>mm | Bearing<br>type | Dimensions in mm |    |      |    |      |     |                                         | Grub<br>screws | Load coefficient |                  | Weight<br>Kg |
|---------|-----------------|------------------|----|------|----|------|-----|-----------------------------------------|----------------|------------------|------------------|--------------|
|         |                 | d1               | D  | B    | C  | s    | G   | r <sub>1</sub> , r <sub>2</sub><br>min. |                | dyn.<br>C<br>N   | stat.<br>Co<br>N |              |
| 17      | YAT 203         | 24,2             | 40 | 22,1 | 12 | 6,2  | 4   | 0,3                                     | M6x0,75        | 9500             | 4750             | 0,07         |
| 20      | YAT 204         | 28,2             | 47 | 25,5 | 14 | 7,2  | 4,5 | 0,6                                     | M6x0,75        | 12700            | 6550             | 0,11         |
| 25      | YAT 205         | 33,7             | 52 | 27,2 | 15 | 7,7  | 5   | 0,6                                     | M6x0,75        | 14000            | 7800             | 0,14         |
| 30      | YAT 206         | 39,7             | 62 | 30,2 | 18 | 9,2  | 5   | 0,6                                     | M6x0,75        | 19500            | 11200            | 0,23         |
| 35      | YAT 207         | 46,1             | 72 | 33   | 19 | 9,7  | 6   | 1                                       | M6x0,75        | 25500            | 15300            | 0,31         |
| 40      | YAT 208         | 51,8             | 80 | 36   | 21 | 10,7 | 8   | 1                                       | M6x0,75        | 30700            | 19000            | 0,43         |
| 45      | YAT 209         | 56,8             | 85 | 37   | 22 | 11,2 | 7   | 1                                       | M6x0,75        | 33200            | 21600            | 0,48         |
| 50      | YAT 210         | 62,5             | 90 | 38,8 | 22 | 11,2 | 8   | 1                                       | M8x1           | 35100            | 23200            | 0,54         |

Chrome alloy steel.

1) = Values are valid for applications with  $\leq h 6$  shaft tolerance. Time 0.77 values must be considered in all other cases.

### Series YAR 2F

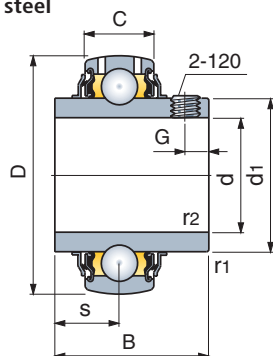


| d<br>mm | Bearing<br>type | Dimensions in mm |    |      |    |      |     |                                         | Grub<br>screws | Load coefficient |                  | Weight<br>Kg |
|---------|-----------------|------------------|----|------|----|------|-----|-----------------------------------------|----------------|------------------|------------------|--------------|
|         |                 | d1               | D  | B    | C  | s    | G   | r <sub>1</sub> , r <sub>2</sub><br>min. |                | dyn.<br>C<br>N   | stat.<br>Co<br>N |              |
| 17      | YAR 203 2F      | 24,2             | 40 | 27,4 | 12 | 11,5 | 3,5 | 0,3                                     | M6x0,75        | 9500             | 4750             | 0,09         |
| 20      | YAR 204 2F      | 28,2             | 47 | 31   | 14 | 12,7 | 4,5 | 0,6                                     | M6x0,75        | 12700            | 6550             | 0,14         |
| 25      | YAR 205 2F      | 33,7             | 52 | 34,1 | 15 | 14,3 | 5   | 0,6                                     | M6x0,75        | 14000            | 7800             | 0,17         |
| 30      | YAR 206 2F      | 39,7             | 62 | 38,1 | 18 | 15,9 | 5   | 0,6                                     | M6x0,75        | 19500            | 11200            | 0,28         |
| 35      | YAR 207 2F      | 46,1             | 72 | 42,9 | 19 | 17,5 | 6   | 1                                       | M6x0,75        | 25500            | 15300            | 0,41         |
| 40      | YAR 208 2F      | 51,8             | 80 | 49,2 | 21 | 19   | 8   | 1                                       | M8x1           | 30700            | 19000            | 0,55         |
| 45      | YAR 209 2F      | 56,8             | 85 | 49,2 | 22 | 19   | 8   | 1                                       | M8x1           | 33200            | 21600            | 0,60         |
| 50      | YAR 210 2F      | 62,5             | 90 | 51,6 | 22 | 19   | 9   | 1                                       | M10x1          | 35100            | 23200            | 0,69         |

Chrome alloy steel.

1) = Values are valid for applications with  $\leq h 6$  shaft tolerance. Time 0.77 values must be considered in all other cases.

### Series YAR 2RF stainless steel



| d<br>mm | Bearing<br>type | Dimensions in mm |    |      |    |      |     |                                         | Grub<br>screws | Load coefficient |                  | Weight<br>Kg |
|---------|-----------------|------------------|----|------|----|------|-----|-----------------------------------------|----------------|------------------|------------------|--------------|
|         |                 | d1               | D  | B    | C  | s    | G   | r <sub>1</sub> , r <sub>2</sub><br>min. |                | dyn.<br>C<br>N   | stat.<br>Co<br>N |              |
| 20      | YAR 204 2RF     | 28,2             | 47 | 31   | 14 | 12,7 | 4,5 | 0,6                                     | M6x0,75        | 10800            | 6550             | 0,14         |
| 25      | YAR 205 2RF     | 33,7             | 52 | 34,1 | 15 | 14,3 | 5   | 0,6                                     | M6x0,75        | 11900            | 7800             | 0,18         |
| 30      | YAR 206 2RF     | 39,7             | 62 | 38,1 | 18 | 15,9 | 5   | 0,6                                     | M6x0,75        | 16250            | 11200            | 0,29         |
| 35      | YAR 207 2RF     | 46,1             | 72 | 42,9 | 19 | 17,5 | 6   | 1                                       | M6x0,75        | 21600            | 15300            | 0,42         |
| 40      | YAR 208 2RF     | 51,8             | 80 | 49,2 | 21 | 19   | 8   | 1                                       | M8x1           | 26000            | 19000            | 0,56         |

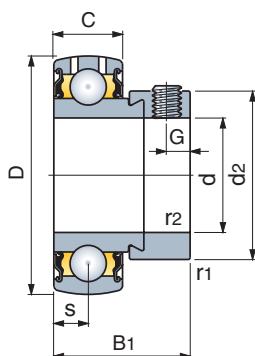
Stainless steel AISI 420.

1) = Values are valid for applications with  $\leq h 6$  shaft tolerance. Time 0.77 values must be considered in all other cases.

## Bearings with self locking eccentric collar

Prelubricated with long lasting lithium/calcium grease • Can be rilubricated • Higher resistance to vibrations • Suitable for single directional travel (cannot reverse the sense of rotation) • Locking of the bearing is achieved by rotating the eccentric collar. The grub screw holds the collar and avoids rotation

### Series YET



| d<br>mm | Bearing<br>type | Dimensions in mm |    |      |    |     |      |                                         | Grub<br>screws | Load coefficient |                  | Weight<br>Kg |
|---------|-----------------|------------------|----|------|----|-----|------|-----------------------------------------|----------------|------------------|------------------|--------------|
|         |                 | d2               | D  | B1   | C  | s   | G    | r <sub>1</sub> , r <sub>2</sub><br>min. |                | dyn.<br>C<br>N   | stat.<br>Co<br>N |              |
| 17      | YET 203         | 28,6             | 40 | 28,6 | 12 | 6,5 | 4,75 | 0,3                                     | M6x0,75        | 9500             | 4750             | 0,10         |
| 20      | YET 204         | 33               | 47 | 31   | 14 | 7,5 | 5    | 0,6                                     | M6x0,75        | 12700            | 6550             | 0,16         |
| 25      | YET 205         | 37,4             | 52 | 31   | 15 | 7,5 | 5    | 0,6                                     | M6x0,75        | 14000            | 7800             | 0,18         |
| 30      | YET 206         | 44,2             | 62 | 35,7 | 18 | 9,0 | 6    | 0,6                                     | M8x1           | 19500            | 11200            | 0,30         |
| 35      | YET 207         | 55,6             | 72 | 38,9 | 19 | 9,5 | 7    | 1                                       | M10x1,25       | 25500            | 15300            | 0,49         |
| 40      | YET 208         | 60,3             | 80 | 43,7 | 21 | 11  | 7    | 1                                       | M10x1,25       | 30700            | 19000            | 0,62         |
| 45      | YET 209         | 63,5             | 85 | 43,7 | 22 | 11  | 6,75 | 1                                       | M10x1          | 33200            | 21600            | 0,65         |
| 50      | YET 210         | 67,5             | 90 | 43,7 | 22 | 11  | 6,75 | 1                                       | M10x1          | 35100            | 23200            | 0,70         |

Chrome alloy steel.

1) = Values are valid for applications with  $\leq h 6$  shaft tolerance. Time 0.77 values must be considered in all other cases.

# Bearings

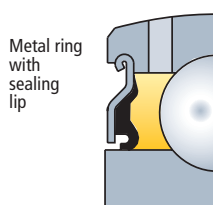
## Seals

**Series YAT - YET.** The system consists of a metallic ring fitted with a low friction rubber sealing lip.

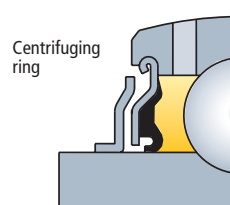
**Series YAR 2F.** The system is further equipped with a metallic protection ring providing a centrifugal sealing action.

**Series YAR 2RF inox.** The upper lip of the centrifuging ring together with the grease trapped between the base seal and the ring it self guarantees maximum sealing capacity.

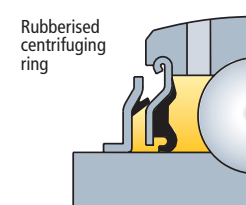
Series YAT- YET



Series YAR 2F



Series YAR 2RF inox



## Maximum velocities

The table indicates the values for YAT, YET, YAR 2F series bearings • Stainless steel bearings of the YAR 2RF series (rubberised centrifuging ring) must not be operated at velocities in excess of 60% of the values indicated • The maximum velocity is dependant of the shaft tolerances. Higher tolerances require lower speed

| Int. dia.<br>bearing<br>d<br>mm | Shaft tolerance |      |      |      |     |
|---------------------------------|-----------------|------|------|------|-----|
|                                 | h6              | h7   | h8   | h9   | h11 |
|                                 | Speed (RPM)     |      |      |      |     |
| 17                              | 9500            | 6000 | 4300 | 1500 | 950 |
| 20                              | 8500            | 5300 | 3800 | 1300 | 850 |
| 25                              | 7000            | 4500 | 3200 | 1000 | 700 |
| 30                              | 6300            | 4000 | 2800 | 900  | 630 |
| 35                              | 5300            | 3400 | 2200 | 750  | 530 |
| 40                              | 4800            | 3000 | 1900 | 670  | 480 |
| 45                              | 4300            | 2600 | 1700 | 600  | 430 |
| 50                              | 4000            | 2400 | 1600 | 560  | 400 |

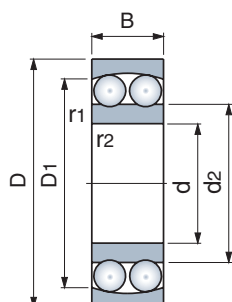
## Axial load capacities

The bearing locking systems by grub screws/eccentric collars, allow axial loads up to 20% of the dynamic load coefficient (only with non hardened shafts and grub screws tightened as recommended) • For bearings of the YAT, YET, YAR 2F, YAR 2RF, series it is not recommended to exceed the value of: **0,25•C**

## Self aligning ball bearing holding by shoulders on shaft

The bearings have double row of balls running on a spherical outer race This configuration renders the bearing self aligning • The bearings are supplied without sealing units • They are held into position by shoulders on the shaft

Series 1200



| d<br>mm | Bearing<br>type | Dimensions in mm |    |      |      |                                         | Load coefficient |                  | Revolutions<br>RPM | Weight<br>Kg |
|---------|-----------------|------------------|----|------|------|-----------------------------------------|------------------|------------------|--------------------|--------------|
|         |                 | D                | B  | d2   | D1   | r <sub>1</sub> , r <sub>2</sub><br>min. | dyn.<br>C<br>N   | stat.<br>Co<br>N |                    |              |
| 20      | 1204            | 47               | 14 | 28,9 | 41   | 1                                       | 12700            | 3400             | 15000              | 0,12         |
| 25      | 1205            | 52               | 15 | 33,3 | 45,6 | 1                                       | 14300            | 4000             | 13000              | 0,14         |
| 30      | 1206            | 62               | 16 | 40,1 | 53   | 1                                       | 15600            | 4650             | 10000              | 0,22         |
| 35      | 1207            | 72               | 17 | 47   | 62,3 | 1,1                                     | 19000            | 6000             | 9000               | 0,32         |
| 40      | 1208            | 80               | 18 | 53,6 | 68,8 | 1,1                                     | 19900            | 6950             | 8500               | 0,42         |



# Calculation data

## ■ Bearing dimensioning

The bearing dimensions, for a given application, should be chosen on the basis of the loads to be supported, expected service life and reliability. In most cases the reason for choosing a bearing is the fact that the shaft has already been sized during the design of the plant.

## ■ Calculation procedures for self-aligning bearings

The calculation procedure for self-aligning bearings consists in ensuring a satisfactory operating life of the unit:

- 1) - The nominal service life is calculated using the formulas indicated below, keeping in mind the type of stress on the bearing (dynamic or static).
- 2) - The nominal life of the bearing should reflect the expected service life of the plant as indicated in Table 1 hereunder.

## ■ Service life

The dimensioning of the bearing requires the knowledge of the appropriate life expectancy of the project in relation to the specific application. This depends on the type of plant, daily/yearly working hours and on the required reliability.

In the absence of practical experience Table 1 gives our recommendations of the average expected plant life under various conditions.

**Table 1** - Recommended plant expected life  $L_{10h}$  for MB support bearings

| Plant type                                                 | Plant expected life $L_{10h}$<br>hours |
|------------------------------------------------------------|----------------------------------------|
| Seasonal Operation plants                                  | 4000 ÷ 8000                            |
| Daily operated plant, 8 hours/day, not completely utilised | 10000 ÷ 20000                          |
| Daily operated plant, 8 hours/day, completely utilised     | 20000 ÷ 30000                          |
| Daily operated plant, 24 hours/day                         | 40000 ÷ 80000                          |

## Dynamically stressed bearings

Bearings which rotate under load are considered dynamically stressed (one ring of the bearing makes one full rotation against the other). In most cases, self-aligning supports are dynamically stressed.

## ■ Expected life calculation formula

The service life of a bearing is expressed in the number of revolutions or hours of operations which can be expected without breakdown (erosion or laminations of the bearing revolving parts).

The calculating procedure for nominal duration is valid whatever the type of bearing.

$$L_{10} = \left( \frac{C}{P} \right)^3 \quad \text{Life in Millions revolutions}$$

When bearings rotate at constant speed it is more practical to calculate the life in number of hours

$$L_{10h} = \frac{16666}{n} \cdot \left( \frac{C}{P} \right)^3 \quad \text{Life in hours}$$

$L_{10}$  = life in millions of revolutions.

$L_{10h}$  = life in hours.

$C$  = dynamic load coefficient (N). Values are indicated in the support dimensional tables.

$P$  = equivalent dynamic load (N). See calculation formula on Table 2.

$n$  = revolutions (RPM).

## ■ Correct expected life

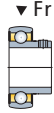
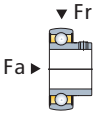
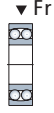
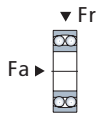
In the majority of cases, for self aligning MB bearings, it is sufficient to calculate  $L_{10}$ ,  $L_{10h}$  using the formula indicated above. The new theory of life calculation permits to establish the correct life expectancy keeping into consideration the effects of lubrication, pollution of solid particles and of the fatigue limit load  $P_u$  (values are reported in the bearing tables).

The calculation of the correct expected life requires therefore the assistance of the technical commercial staff.

# Calculation data

## Equivalent dynamic load P calculation

Table 2 - Equivalent dynamic load P calculation

| Bearing type                    | Load direction on the bearing                                                       | Equivalent dynamic load P (N) calculation formula                                                                      |
|---------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| YAT<br>YET<br>YAR 2F<br>YAR 2RF |    | $P = Fr$                                                                                                               |
|                                 |    | $P = X \cdot Fr + Y \cdot Fa$                                                                                          |
| 1200                            |   | $P = Fr$                                                                                                               |
|                                 |  | $P = Fr + Y_1 \cdot Fa$ with $\frac{Fa}{Fr} \leq e_1$<br>$P = 0,65 \cdot Fr + Y_2 \cdot Fa$ with $\frac{Fa}{Fr} > e_1$ |

**P** = equivalent dynamic load (N).  
**Fr** = radial load acting on the bearing (N).  
**Fa** = axial load acting on the bearing (N).  
**x, Y** = load factors. See Table 3.  
**e<sub>1</sub>, Y<sub>1</sub>, Y<sub>2</sub>** = factors. See Table 4.

Table 3 - Load factors x, y

| Ratio<br>$\frac{Fa}{Co}$ | e    | With: $\frac{Fa}{Fr} \leq e$ |   | With: $\frac{Fa}{Fr} > e$ |     |
|--------------------------|------|------------------------------|---|---------------------------|-----|
|                          |      | x                            | y | x                         | y   |
| 0,025                    | 0,22 | 1                            | 0 | 0,56                      | 2   |
| 0,04                     | 0,24 | 1                            | 0 | 0,56                      | 1,8 |
| 0,07                     | 0,27 | 1                            | 0 | 0,56                      | 1,6 |
| 0,13                     | 0,31 | 1                            | 0 | 0,56                      | 1,4 |
| 0,25                     | 0,37 | 1                            | 0 | 0,56                      | 1,2 |
| 0,5                      | 0,44 | 1                            | 0 | 0,56                      | 1   |

Co = Static load coefficient (N). The values are indicated in the support dimensional tables.

Table 4 - Factors e<sub>1</sub>, Y<sub>1</sub>, Y<sub>2</sub>, Y<sub>0</sub>

| Int. dia.<br>bearing<br>mm | e <sub>1</sub> | Y <sub>1</sub> | Y <sub>2</sub> | Y <sub>0</sub> |
|----------------------------|----------------|----------------|----------------|----------------|
| 20                         | 0,30           | 2,1            | 3,3            | 2,2            |
| 25                         | 0,28           | 2,2            | 3,5            | 2,5            |
| 30                         | 0,25           | 2,5            | 3,9            | 2,5            |
| 35                         | 0,23           | 2,7            | 4,2            | 2,8            |
| 40                         | 0,22           | 2,9            | 4,5            | 2,8            |

## Operating conditions coefficients

It should be common practice to include operational factors when calculating bearing dimensions to allow for load variations which may happen during running of the plant. The coefficients given here under are indicative only and are based on actual operational experience.

With steady loads/light impacts: multiply the equivalent dynamic load P by: 1,2 ÷ 1,5  
 With loads and medium impacts: multiply the equivalent dynamic load P by: 1,7 ÷ 2,0

# Calculation data

## ■ Static load capacity control

### Statically stressed bearings

In rolling-contact bearing technology the condition of static load is considered to exist when:

- The bearing does not rotate and is subjected to permanent loads or intermittent ones (impacts).
- The bearing is subjected to loads and slow oscillating movements.
- The bearing rotates under load at a very low speed and for short periods.
- The bearing rotates under load and must withstand strong impacts acting in the course of one revolution.

The static safety coefficient  $f_s$  must not exceed the recommended values given in Table 5 in order to obtain a satisfactory performance of the bearings.

Coefficient  $f_s$  gives the safety margin against excessive permanent deformation of the revolving parts of the bearing.

$$f_s = \frac{C_o}{P_o}$$

$f_s$  = static safety coefficient.

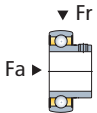
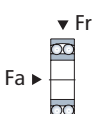
$C_o$  = static load coefficient (N). The values are given in the support dimensional tables.

$P_o$  = equivalent static load (N). See calculation formula given below.

**Table 5** - Static safety coefficient  $f_s$  for MB bearings

| Type of operation                  | Revolving bearings        |                              |                      |                        |
|------------------------------------|---------------------------|------------------------------|----------------------|------------------------|
|                                    | Noise level not important | Normal noise level operation | nicht drehende Lager | Non revolving bearings |
| Smooth operation without vibration | 0,5                       | 1                            | 2                    | 0,4                    |
| Normal operation                   | 0,5                       | 1                            | 2                    | 0,5                    |
| Impact loads operation             | $\geq 1,5$                | $\geq 1,5$                   | $\geq 2$             | $\geq 1$               |

## ■ Equivalent static load $P_o$ calculation

| Bearing type                    | Load direction on the bearing                                                        | Equivalent dynamic load P (N) calculation formula                                                 |
|---------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| YAT<br>YET<br>YAR 2F<br>YAR 2RF |  | <b><math>P_o = 0,6 \cdot Fr + 0,5 \cdot Fa</math></b><br>If $P_o < Fr$ , then assume $P_o = Fr$ . |
| 1200                            |  | <b><math>P_o = Fr + Y_o \cdot Fa</math></b>                                                       |

$P_o$  = equivalent static load (N).

$Fr$  = radial load on the bearing (N).

$Fa$  = axial load on the bearing (N).

$Y_o$  = see table 4, page B55.

# Lubrication

## ■ Prelubrication

All self-aligning bearings are supplied factory lubricated.

### Warning

The first lubrication must be carried out only for bearings of the series FL - F - FC held by the shaft shoulders.

## ■ Lubricating grease

Bearings are prelubricated with long lasting lithium/calcium grease.

|                |                          |                                |
|----------------|--------------------------|--------------------------------|
| Technical data | NLGI consistency :       | 2                              |
|                | Emulsifier :             | lithium/calcium                |
|                | Base oil :               | mineral                        |
|                | Base oil viscosity :     | 165 mm <sup>2</sup> /s at 40°C |
|                | Operating temperature :  | - 20°C to +120°C               |
|                | Water resistance :       | Recommended                    |
|                | Antioxidant properties : | Recommended                    |

## ■ Relubrication

All self-aligning bearing units are equipped with a grease nipple of the ball type to allow periodical relubrication of the bearing.

### Warning

- Do not grease at first assembly.
- The first lubrication must be carried out only for bearings of the series FL - F - FC held by the shaft shoulders.
- Stainless steel pressed metal supports of the series SBF are not relubricatable.
- Use only grease of same characteristics as indicated.
- Clean greasing nipple before each greasing operation.
- Inject grease slowly until it comes out from the bearing. Keep the bearing rotating and do not apply excessive pressure which could damage the sealing units.
- More frequent greasing operations with smaller quantities of grease are to be preferred.

## ■ Relubrication intervals

Relubrication intervals vary according to actual operating conditions. Very often during operation, load, speed, temperature and ambient conditions (humidity, dust) may vary making it difficult to establish exact rules. Experience once again gives the best answer:

- |                                 |                                 |
|---------------------------------|---------------------------------|
| • Light operating conditions :  | relubricate every 6 months.     |
| • Normal operating conditions : | relubricate every 1 ÷ 3 months. |
| • Heavy operating conditions :  | relubricate every 2 weeks.      |

# Grease life in bearings lubricated for life (dry use recommended)

## ■ Formula to calculate grease life in bearings lubricated for life

This procedure allows to calculate the grease life as a function of its quality and bearing type, dimension, rotating speed, applied loads and working temperature.

$$L_h = L_{10h} \times F_c \quad \text{Grease life (hours)}$$

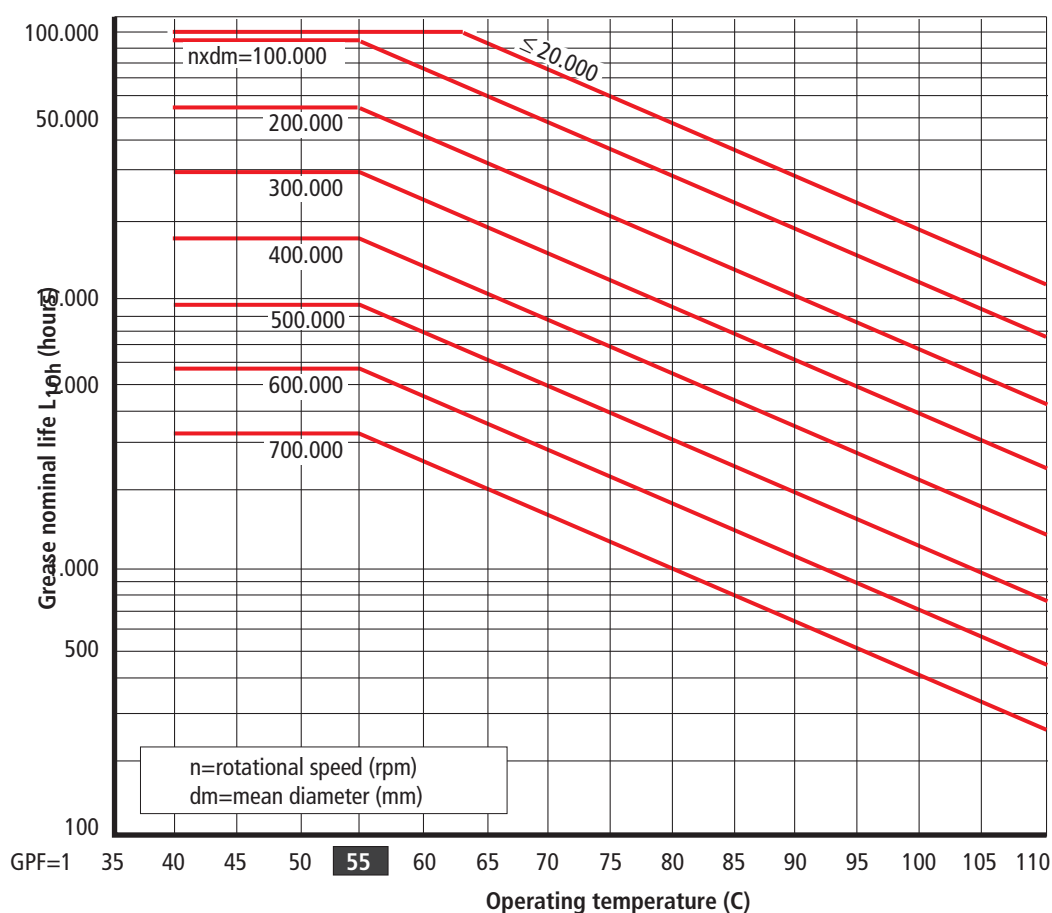
$L_h$  = Grease life (hours).

$L_{10h}$  = Grease nominal life (hours). See Diagram 1.

$F_c$  = Correction factor. See Diagram 2.

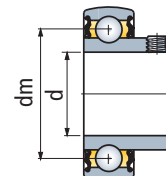
## ■ Diagram 1 - Grease nominal life $L_{10h}$

This diagram allows to determine the nominal grease life  $L_{10h}$  (hours), as a function of rotating speed  $n$  (rpm), mean diameter  $dm$  (mm), bearing working temperature (C). Greases are classified by a factor GPF (Grease Performance Factor), related to their temperature performance. In this table we consider a grease with GPF = 1, which is the grease used in all Marbett LifeLube bearings.

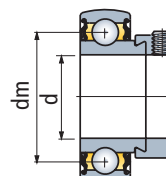


$dm$  (mm) = mean diameter.

Series YAT



Series YET



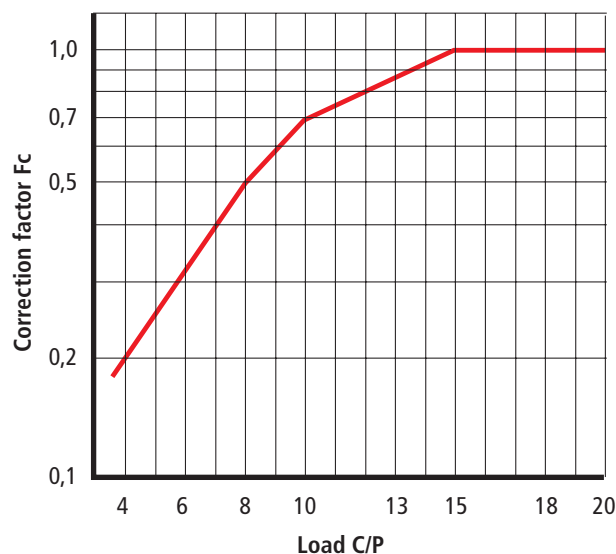
| dia.<br>d<br>mm | dia.<br>dm<br>mm |
|-----------------|------------------|
| 17              | 28,5             |
| 20              | 33,5             |
| 25              | 38,5             |
| 30              | 46               |
| 35              | 53,5             |
| 40              | 60               |
| 45              | 65               |
| 50              | 70               |

**55** = At room temperature, with normal working conditions, the grease works at a temperature lower than 55C.

# Grease life in bearings lubricated for life (dry use recommended)

## ■ Diagram 2 - Correction factor $F_c$

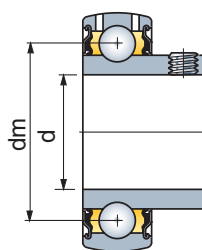
The corrective factor  $F_c$ , keeps into consideration the influence of load applied on bearings as a function of load ratio  $C / P$ . With low loads ( $C/P \geq 15$ ) the duration of the grease is not influenced by load values.



$C$  = Dynamic load coefficient (N). Values are indicated in the bearings dimensional tables.

$P$  = Equivalent dynamic load (N). See Table 2 page B55

## ■ Example of calculation



Data :

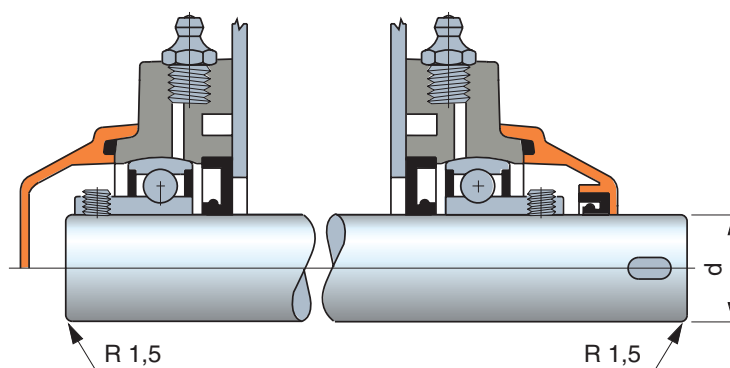
- Bearing type YAT 208.
- $d=40$  mm (shaft dia.).
- $dm = 60$  mm. (bearing mean dia.).
- $n=300$  rpm. (rotational speed).
- $55$  C (grease operating temperature).
- $C=23600$  N ( Dynamic load coefficient).
- $P = 3000$  N (equivalent dynamic load).
- From Diagram 1, as a function of :  
 $n \times dm = 300 \text{ rpm} \times 60 \text{ mm} = 18000$   
 we read a nominal grease life of :  
 $L_{10h}=100000$  hours.
- From Diagram 2, as a function of :  
 $C/P = 23600 \text{ N} : 3000 \text{ N} = 7,8$   
 we read a corrective factor of :  
 $F_c=0,5$ .
- Calculation of estimated grease life :  
 $L_h = L_{10h} \times F_c = 100000 \text{ hours} \times 0,5 = 50000 \text{ hours}$ .



# Shaft tolerances

## ■ Tolerances for grub screws/ eccentric collar locked bearings

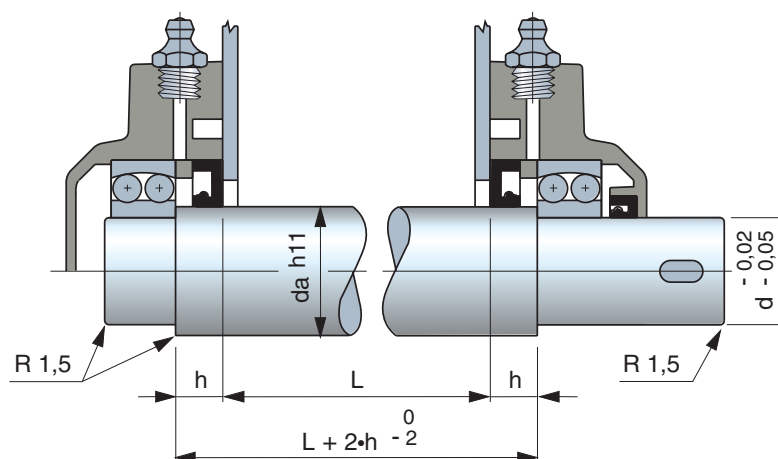
- The tables indicate shaft diameter tolerances.
- Shaft ends must be rounded off in order to:
  - ease assembly and avoid bearing jamming.
  - avoid damages to the rubber parts of the sealing units.
- The shaft surface for the portion in contact with the sealing gaskets must be smooth and free of defects (scratches etc.)



### ISO shaft tolerance

| Shaft<br>dia.<br>d<br>mm | Heavy loads<br>High speed<br>h 6<br>plus min. |      | Normal<br>operation<br>h 7<br>plus min. |      | Light loads<br>Low speed<br>h 8<br>plus min. |      | Simple applications |             |              |              |              |              |
|--------------------------|-----------------------------------------------|------|-----------------------------------------|------|----------------------------------------------|------|---------------------|-------------|--------------|--------------|--------------|--------------|
|                          | plus                                          | min. | plus                                    | min. | plus                                         | min. | h 9<br>plus         | h 9<br>min. | h 10<br>plus | h 10<br>min. | h 11<br>plus | h 11<br>min. |
| 17                       | 0                                             | - 11 | 0                                       | - 18 | 0                                            | - 27 | 0                   | - 43        | 0            | - 70         | 0            | - 110        |
| 20 30                    | 0                                             | - 13 | 0                                       | - 21 | 0                                            | - 33 | 0                   | - 52        | 0            | - 84         | 0            | - 130        |
| 35 50                    | 0                                             | - 16 | 0                                       | - 25 | 0                                            | - 39 | 0                   | - 62        | 0            | - 100        | 0            | - 160        |

Tolerances in  $\mu\text{m}$



h values are given in the support dimensional tables

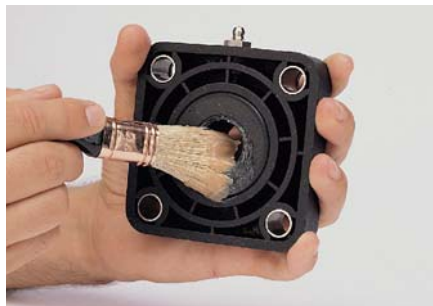
## ■ Tolerances for shaft shoulders locked bearings

- Shaft ends must be rounded off in order to:
  - ease assembly and avoid bearing jamming.
  - avoid damages to the rubber parts of the sealing units.
- The shaft surface for the portion in contact with the sealing gaskets must be smooth and free of defects (scratches etc.).
- The mounting shaft/bearing is free to facilitate assembly. For heavy radial loads conditions it is recommended a slightly tight mounting.

# Mounting

## ■ Assembly instructions

- 1** - With waterproof bearings the rubber sealing units must be greased before mounting to avoid initial dry running on the shaft. The grease must fill only the space in between the two sealing lips.
- 2** - The bearing must be locked onto the shaft after the support mounting flange has been fully tightened. This is necessary to allow the bearing to assume its correct alignment on the shaft without undue axial stresses. Always tighten the screws diagonally (max. tightening couple for M10 screw = 50 Nm).



## ■ Locking of the bearing by grub screws

- 3** - The table gives the recommended maximum tightening couples for the grub screws and the size of the hexagonal to use.



| Int. dia.<br>bearing<br>mm | Sc. driver size<br>mm |                 | Max. tightening couple<br>Nm |                 |      |
|----------------------------|-----------------------|-----------------|------------------------------|-----------------|------|
|                            | Bearings<br>YAT - YAR | Bearings<br>YET | Bearings<br>YAT - YAR        | Bearings<br>YET |      |
| 17                         | 3                     | 3               | 4                            | 4               | 4    |
| 20                         | 3                     | 3               | 4                            | 4               | 4    |
| 25                         | 3                     | 3               | 4                            | 4               | 4    |
| 30                         | 3                     | 3               | 4                            | 4               | 6,5  |
| 35                         | 3                     | 3               | 4                            | 4               | 16,5 |
| 40                         | 3                     | 3               | 4                            | 4               | 16,5 |
| 45                         | 3                     | 4               | 4                            | 6,5             | 16,5 |
| 50                         | 4                     | 5               | 6,5                          | 16,5            | 16,5 |

## ■ Locking of the bearings by eccentric collar

- 4** - Tighten the collar by turning it with a punch in the same direction as the rotation of the shaft.
- 5** - Hand tighten the grub screw. The screw driver dimension and the tightening couple are given in the table above (Ref. YET series bearings).



## ■ Assembly/removal of the protection cover

- 6 - Assembly.** The sealing unit of open end covers must be greased to avoid initial dry running on the shaft. The grease must fill only the space in between the two sealing lips.
- 7 - Removal.** Insert a screw driver into the groove provided for and force the cover out.



## Technical information

| Resistance against chemical agents | POLYAMIDE PA |       | POLYPROPYLENE PP |       | POLYETHYLENE PE |       | ACETAL POM |       | AISI 303 AISI 304 |       | AISI 316 |       | NICKEL PLATED BRASS |       | NBR RUBBER |       | VITON RUBBER |       |
|------------------------------------|--------------|-------|------------------|-------|-----------------|-------|------------|-------|-------------------|-------|----------|-------|---------------------|-------|------------|-------|--------------|-------|
|                                    | Conc.%       | 23° C | Conc.%           | 23° C | Conc.%          | 23° C | Conc.%     | 23° C | Conc.%            | 23° C | Conc.%   | 23° C | Conc.%              | 23° C | Conc.%     | 23° C | Conc.%       | 23° C |
| ACETIC ACID                        | 10           | –     | 40               | +     | 10              | +     | 5          | –     | 20                | +     | 50       | +     | /                   |       | –          |       | 20           | –     |
| ACETONE                            | 100          | +     |                  | +     |                 | +     |            | /     | 50                | +     | 25       | +     | +                   |       | –          |       |              | –     |
| ALUMINIUM CHLORIDE                 | 10           | +     |                  |       |                 |       |            |       | –                 |       | /        |       |                     |       | +          |       | Sat.         | +     |
| AMMONIA                            | 10           | +     | 30               | +     |                 | +     | Sol.       | +     | 50                | +     | 100      | +     | –                   |       | /          |       |              | /     |
| AMMONIA CONC.                      |              | +     |                  | +     |                 | +     |            | –     |                   |       |          |       |                     |       | –          |       |              |       |
| AMMONIUM CHLORIDE                  | 10           | +     |                  |       |                 |       |            |       | 10                | /     |          | /     |                     |       | +          |       | Sat.         | +     |
| AMYL ALCOHOL                       | 100          | +     |                  | +     |                 |       |            |       |                   | +     |          | +     |                     |       |            |       |              | +     |
| ANILINE                            |              | /     | 100              | +     | 3               | +     | 3          | +     | 3                 | +     |          |       |                     |       | –          |       |              |       |
| BEER                               |              | +     |                  | +     |                 | +     |            | +     |                   | +     |          |       | +                   |       | +          |       |              | +     |
| BENZENE                            |              | +     |                  | +     |                 | /     |            | +     | 70                | /     |          |       |                     |       | –          |       |              |       |
| BENZOIC ACID                       | Sat.         | /     | Sat.             | +     |                 |       |            |       | 100               | /     | 100      | +     |                     |       | +          |       |              | +     |
| BENZOL                             | 100          | +     |                  | /     |                 | /     |            | +     |                   | +     |          | +     | +                   |       | –          |       |              | /     |
| BORIC ACID                         | 10           | +     | Sat.             | +     | Sat.            | –     |            | +     | 100               | /     | Sat.     | +     |                     |       | +          |       | Sat.         | +     |
| BRINE                              |              | /     | Sat.             | +     |                 | +     |            | /     |                   |       |          |       |                     |       | +          |       |              |       |
| BUTTER                             |              | +     |                  | +     |                 | +     |            | +     |                   | +     |          |       | +                   |       | +          |       |              | +     |
| BUTYL ALCOHOL                      | 100          | +     |                  | +     |                 |       |            |       |                   | +     |          | +     |                     |       | /          |       |              | +     |
| BUTYRIC ACID                       |              | –     | 100              | +     |                 | +     |            | –     | 5                 | +     |          |       |                     |       | –          |       |              |       |
| CALCIUM CHLORIDE                   | 10           | +     | 50               | +     | Sat.            | –     |            | /     | 10                | –     |          | /     | +                   |       | +          |       | Sat.         | +     |
| CARBON SULPHIDE                    | 100          | +     |                  | +     |                 | +     |            | +     |                   | +     |          | +     |                     |       | –          |       |              | +     |
| CARBON TETRACHLORIDE               |              | +     |                  | –     |                 | /     |            | +     | 10                | –     |          | +     | +                   |       | –          |       |              | +     |
| CAUSTIC SODA                       | 10           | +     | 52               | +     | 25              | +     | 25         | –     |                   | +     |          |       |                     |       | /          |       | 45           | +     |
| CHEESE                             |              | –     |                  | +     |                 | +     |            | +     |                   |       |          |       |                     |       | +          |       |              |       |
| CHLORINATED WATER                  |              | +     |                  | –     |                 | –     |            | –     |                   | –     |          |       |                     |       | –          |       |              |       |
| CHLOROFORM                         | 100          | –     |                  | /     |                 | –     |            | –     | 100               | +     |          | +     | +                   |       | –          |       |              | +     |
| CHOCOLATE                          |              | –     |                  |       |                 | +     |            | +     |                   |       |          |       |                     |       | +          |       |              |       |
| CITRIC ACID                        | 10           | /     | 10               | +     |                 | +     |            | /     | 5                 | +     | 25       | +     | –                   |       | +          |       | Sat.         | +     |
| CUPRIC SULPHATE                    | 10           | +     | Sat.             | +     |                 | +     |            | +     | 5                 | +     | 100      | +     |                     |       | +          |       | Sat.         | +     |
| DISTILLED WATER                    |              | +     |                  | +     |                 | +     |            | +     |                   | +     |          |       |                     |       | +          |       |              |       |
| ETHYL ACETATE                      | 100          | +     |                  | +     |                 |       |            |       | 100               | /     |          |       |                     |       | –          |       |              | –     |
| ETHYL ALCOHOL                      | 96           | +     | 96               | +     |                 | +     |            | +     | 10                | +     |          | +     | +                   |       | /          |       |              | +     |
| ETHYL CHLORIDE                     | 100          | +     |                  | –     |                 | /     |            | +     |                   | +     |          | /     | /                   |       | –          |       |              |       |
| ETHYL ETHER                        | 100          | +     |                  | +     |                 | +     |            | +     |                   |       |          |       |                     |       | –          |       |              | –     |
| FERRIC CHLORIDE                    | 10           | +     |                  | +     |                 |       |            |       | 20                | –     |          | /     |                     |       | +          |       | Sat.         | +     |
| FOOD FATS                          |              | +     |                  | +     |                 | +     |            | +     |                   | +     |          |       |                     |       | +          |       |              | +     |
| FOOD OILS                          |              | +     |                  | +     |                 | +     |            | +     |                   | +     |          |       |                     |       | +          |       |              | +     |
| FORMALDEHYDE                       | 30           | +     | 40               | +     |                 | /     |            | +     | 100               | +     |          |       | +                   |       | –          |       | 40           | +     |
| FORMIC ACID                        | 10           | –     | 100              | +     | 10              | +     | 10         | –     | 5                 | /     |          |       | +                   |       | –          |       |              |       |
| FREON 12                           |              | +     |                  |       |                 |       |            |       |                   | +     |          |       |                     |       | +          |       |              | /     |
| FRESH WATER                        |              | +     |                  | +     |                 | +     |            | +     |                   | +     |          |       | +                   |       | +          |       |              |       |
| FRUIT JUICES                       |              | +     |                  | +     |                 | +     |            | +     |                   | +     |          |       |                     |       | +          |       |              |       |
| GASOLINE                           |              | +     |                  | /     |                 | /     |            | +     |                   | +     |          | +     | /                   |       | /          |       |              | +     |
| GLYCERINE                          |              | +     |                  | +     |                 | +     |            | +     |                   | +     |          | +     | +                   |       | +          |       |              | +     |
| HYDROCHLORIC ACID                  | 10           | –     | 30               | +     | 37              | +     | 37         | –     |                   | –     | 1        | +     | /                   |       | 10         | /     | 37           | +     |
| HYDROCHLORIC ACID                  | 2            | –     | 2                | +     | 2               | +     | 2          | /     |                   |       |          |       |                     |       | 2          | /     |              |       |
| HYDROFLUORIC ACID                  | 40           | –     | 40               | +     | 70              | +     |            | –     |                   | –     |          |       |                     |       | 65         | –     | 48           | +     |
| HYDROGEN PEROXIDE                  | 3            | –     | 30               | +     |                 | +     |            | –     | 30                | +     |          | +     | /                   |       | 80         | –     | 90           | +     |
| IODINE                             |              | –     |                  | +     |                 | +     |            | +     |                   |       |          |       |                     |       | /          |       |              |       |
| LACTIC ACID                        | 10           | +     | 20               | +     |                 | +     |            | +     | 5                 | +     | 10       | +     | –                   |       | +          |       |              | +     |
| LINSEED OIL                        |              | +     |                  | +     |                 |       |            |       | 100               | +     |          | +     |                     |       | +          |       |              | +     |
| MAGNESIUM CHLORIDE                 | 10           | +     | Sat.             | +     |                 |       |            |       | 5                 | +     |          | /     |                     |       | +          |       | Sat.         | +     |
| MERCURY                            |              | +     | 100              | +     |                 | +     |            | +     | 100               | /     |          | +     | /                   |       | +          |       |              | +     |
| METHYL ALCOHOL                     | 100          | +     |                  | +     |                 | +     |            | +     | 100               | /     |          | +     | +                   |       | /          |       |              | /     |
| METHYLENE CHLORIDE                 | 100          | +     |                  | /     |                 | /     |            | –     |                   | /     |          | /     |                     |       | –          |       |              | /     |
| MILK                               |              | +     |                  | +     |                 | +     |            | +     |                   | +     |          |       | +                   |       | +          |       |              | +     |
| MINERAL OILS                       |              | +     |                  | +     |                 | +     |            | +     |                   | +     |          | +     |                     |       | +          |       |              | +     |
| MUSTARD                            |              | –     |                  | +     |                 | +     |            | +     |                   |       |          |       |                     |       | +          |       |              |       |
| NITRIC ACID                        | 10           | –     |                  | +     | 5               | /     | 5          | /     | 10                | +     | 65       | +     |                     |       | 10         | –     | 70           | +     |
| OLEIC ACID                         | 100          | +     |                  | +     |                 | /     |            | –     | 100               | /     |          |       | +                   |       | /          |       |              | /     |
| PARAFFIN                           |              | +     | 100              | /     |                 | +     |            | +     |                   | +     |          |       |                     |       | +          |       |              |       |
| PETROLEUM                          |              | +     | 100              | /     |                 | –     |            | +     |                   | +     |          |       | +                   |       | +          |       |              | +     |
| PETROLEUM ETHER                    |              | +     |                  | +     |                 | +     |            | +     |                   | +     |          | +     | +                   |       | –          |       |              |       |

| Resistance against chemical agents | POLYAMIDE<br>PA | POLYPROPYLENE<br>PP | POLYETHYLENE<br>PE | ACETAL<br>POM | AISI 303<br>AISI 304 | AISI 316     | NICKEL PLATED<br>BRASS | NBR<br>RUBBER | VITON<br>RUBBER |
|------------------------------------|-----------------|---------------------|--------------------|---------------|----------------------|--------------|------------------------|---------------|-----------------|
| CHEMICAL AGENT                     | Conc.% 23° C    | Conc.% 23° C        | Conc.% 23° C       | Conc.% 23° C  | Conc.% 23° C         | Conc.% 23° C | Conc.% 23° C           | Conc.% 23° C  | Conc.% 23° C    |
| PHENOL                             | –               | +                   |                    |               | 10 +                 | +            |                        | –             | +               |
| PHOSFORIC ACID                     | 10 –            | 85 +                | 95 +               | 10 –          | 10 –                 | 50 /         | –                      | 20 /          | 85 +            |
| POTASSIUM HYDROXIDE                | 10 +            |                     |                    |               | 50 +                 | 50 +         |                        | /             | +               |
| SEA WATER                          | +               | +                   | +                  | /             | +                    | +            | +                      | +             | +               |
| SILICONE OIL                       | +               | +                   |                    |               |                      |              |                        | +             | +               |
| SILVER NITRATE                     | +               | 20 +                |                    |               | 60 /                 |              |                        | /             | +               |
| SOAP AND WATER                     | +               | +                   | +                  | +             | +                    |              |                        | +             |                 |
| SODIUM CARBONATE                   | 10 +            | Sat. +              | +                  | +             | 5 +                  | 100 +        |                        | +             | +               |
| SODIUM CHLORIDE                    | 10 +            | Sat. +              | +                  | +             | 5 +                  | /            | +                      | +             | Sat. +          |
| SODIUM HYDROXIDE                   | 10 +            | 30 +                | +                  | 10 +          | –                    |              | +                      | /             |                 |
| SODIUM HYPOCHLORITE                | +               | 20 +                | +                  | –             | –                    |              |                        | –             | 5 +             |
| SODIUM SILICATE                    | +               |                     |                    |               | 100 +                | 100 +        |                        | +             |                 |
| SODIUM SULPHATE                    | 10 +            | Sat. +              | +                  | +             | 5 +                  | 100 +        |                        | +             | +               |
| SOFT DRINKS                        | +               | +                   | +                  | +             | +                    |              | +                      | +             |                 |
| SUDS                               | +               | +                   |                    |               |                      |              |                        | +             | +               |
| SULPHURIC ACID                     | 10 –            | 98 +                | 40 /               | 40 –          | 10 –                 | 100 +        | +                      | –             | 95 +            |
| TARTARIC ACID                      | +               | 10 +                | +                  | 30 /          | 10 +                 | 50 +         | –                      | +             | +               |
| TETRALINE                          | +               | –                   |                    |               |                      |              |                        | –             | +               |
| TINCTURE OF IODINE                 | –               | +                   | +                  | +             |                      |              | –                      | /             |                 |
| TRANSFORMER OIL                    | +               | /                   |                    |               |                      |              |                        | +             | +               |
| TRICHLORETHYLENE                   | /               | /                   | +                  | –             | +                    |              | +                      | –             | +               |
| TURPENTINE                         | /               | –                   | –                  | –             | +                    |              |                        | –             |                 |
| VASELINE                           | +               | +                   | /                  | +             |                      |              |                        | +             | +               |
| VEGETABLE JUICES                   | +               | +                   | +                  | +             | +                    |              |                        | +             |                 |
| VEGETABLE OILS                     | +               | +                   | +                  | +             | +                    |              |                        | +             |                 |
| VINEGAR                            | +               | +                   | +                  | +             | +                    |              | +                      | /             | –               |
| WHISKY                             | +               | +                   | +                  | +             | +                    |              | +                      | +             | +               |
| WINE                               | +               | +                   | +                  | +             | +                    |              | +                      | +             | +               |
| XIOL                               | +               | –                   | /                  | +             | +                    |              | /                      | –             | +               |
| ZINC CHLORIDE                      | 10 /            | 20 +                |                    |               | 10 –                 | /            |                        | +             | Sat. +          |

Abbreviations: Sat. = saturated.

## Legend..

+ = Good resistance.

/ = Fairly good resistance (limited use depending on working conditions).

– = Poor resistance (not recommended).

N.B. Where tests have not been carried out the spaces are left blank.

## The data shown in this table..

are taken from laboratory tests, performed on unstrained test samples. It should be considered as purely indicative since material behaviour under real working conditions depends on different factors: temperature, concentration of the chemical agent, quick or long-lasting effect of the chemical agent.

## Operating temperatures

| Material            | Description                       | Operating temperatures (°C) |       |                        |
|---------------------|-----------------------------------|-----------------------------|-------|------------------------|
|                     |                                   | contact with air            |       | contact with hot water |
|                     |                                   | Min                         | Max   | Max                    |
| PA                  | Polyamid                          | 0                           | + 80  | + 65                   |
| PA FV               | Reinforced polyamid               | – 5                         | + 120 | + 100                  |
| PP                  | Polypropylene                     | + 5                         | + 105 | + 105                  |
| PP FV               | Reinforced polypropylene          | + 5                         | + 115 | + 115                  |
| PE (UHMWPE)         | Polyethylene                      | – 40                        | + 80  | + 70                   |
| POM                 | Acetal                            | – 40                        | + 80  | + 65                   |
| Rex-LF®             | Acetal                            | – 40                        | + 80  | + 65                   |
| AISI 303 - AISI 304 | Austenitic stainless steel (18/8) | – 70                        | + 430 | + 120                  |
| Fe Zn               | Zinc plated steel                 | – 40                        | + 180 | –                      |
| OT                  | Nickel plated brass               | – 40                        | + 180 | + 120                  |

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The loads indicated in the table represent the maximum loads that can be applied at static conditions. these values result from tests and laboratory experiments done on our materials, injection molded and conditioned (40h - 23C - 50% U.R.).

The loads values should be adequately reduced in case of : vibrations at high frequencies, live loads, high temperatures and places with high degree of humidity. For a mutual guarantee, please address to our technical or commercial departments, in order to value the characteristics according to their employment.

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