

Conveyor Components



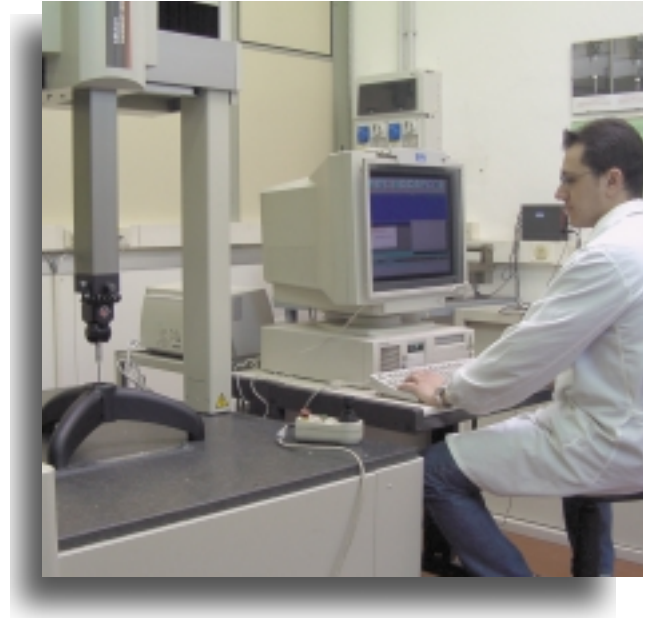


Marbett started in 1968 as third parties plastic parts specialist making design, moulds and injection moulding. In few years we specialised in plastic components for the food and beverage industry because of the high concentration of OEMs in the area between Bologna and Parma where Marbett is based, offering the first complete catalogue of conveyor components specifically designed for the food and beverage industry.

Sprockets for TableTop® chains, idler wheels, ram-extruded chain wear strips and product side guides, chain return system made with rollers, serpentine wear strips or wear shoes, adjustable clamps and brackets for side guides, conveyor supporting elements like brackets for standard tubes, stiffening joints, bipods and tripods, adjustable levelling feet and ball bearing supports.

Now Marbett is part of the Rexnord group, inventor of TableTop® chains and world leader in chains and conveyor components for the food, beverage, packaging, and industrial automation, and takes advantage of the integration into this international structure with higher design, commercial and financial capabilities. All these capabilities are dedicated to the best customer satisfaction through an integral quality policy covering all the aspects of the service, including the solution on the field of application problems and the development of new products in co.operation with the customers to give always the best solution to the market changing demands.





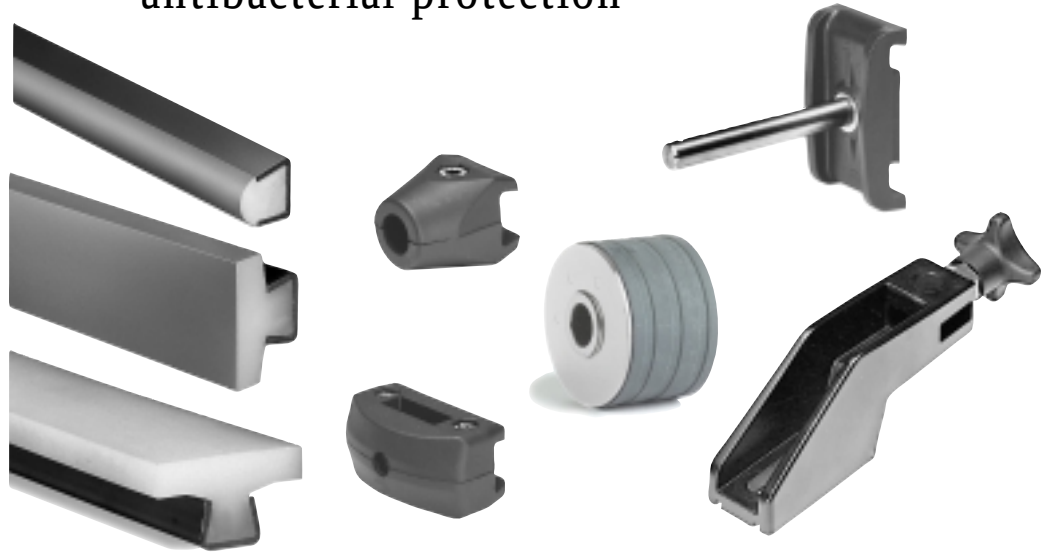
Rexnord Marbett

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV

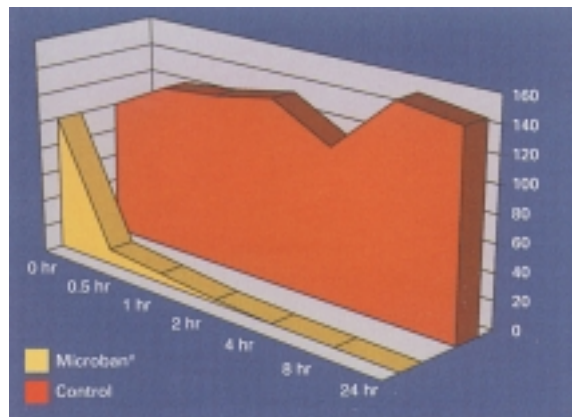
== **ISO 9001** ==



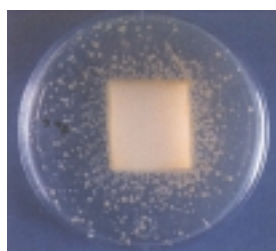
Microban® antibacterial protection



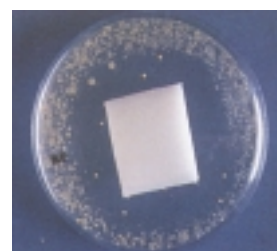
- Part. 261-634-356-613-219-273-210-211-213-107 are supplied with Microban® antibacterial protection
- By penetrating the cell wall of bacteria Microban® inhibits the growth of most common food poisoning bacteria, such as E.coli, Salmonella, Listeria, S-aureus, Campylobacter, which can cause contamination 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 (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

Thermoplastic resins



- Only best quality thermoplastic resins are used for the Marbett components.
- The resins used guarantee high resistance to oxidation and corrosion.

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CHAIN GUIDE PROFILES



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Chain guide profile.



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Chain guide profile.



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Chain guide profile.



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Chain guide profile.



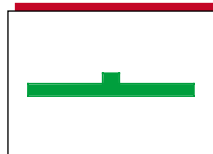
Part. 251 - Page 9
Chain guide profile.



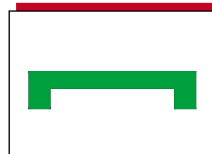
Part. 244 - Page 9
Chain guide profile.



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Chain guide profile. Multiple strands K82,5 / pitch 88



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Chain guide profile. Multiple strands K82,5 / pitch 88



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Chain guide profile. Multiple strands K82,5 / pitch 85



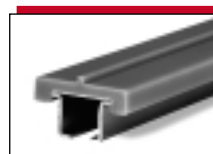
Part. 386 - Page 11
Chain guide profile. Multiple strands K87 / pitch 88



Part. 387 - Page 11
Chain guide profile. Multiple strands K87 / pitch 88



Part. 634 - Page 11
Chain guide profile.



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Chain guide profile. Multiple strands K82,5 / pitch 88



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Chain guide profile. Multiple strands K82,5 / pitch 85-83,5



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Chain guide profile.



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Chain inlet guide shoe (centre). To be used with Part. 366.



Part. 550 - Page 15
Chain inlet guide shoe (centre). To be used with Part. 367.



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Chain guide profile. Multiple strands K82,5 / pitch 88



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Chain guide profile. Multiple strands K82,5 / pitch 85-83,5



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Chain guide profile for roller chain ANSI 60.



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Chain guide profile for roller chain ISO 12 B1.



Part. 903 - Page 18
ViseClamp™ for Part. 310-356-223-274.



Part. 902 - Page 18
ViseSplice™ for Part. 310-356-223-274.



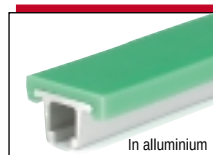
Part. 215 - Page 19
Clamp for Part. 310-356-223-274.



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Clamp for Part. 310-356-223-274.



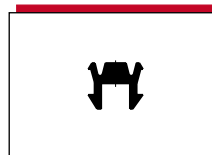
Part. 275 - Page 19
Clamp for Part. 310-356-223-274.



Part. 422 - Page 20
Chain guide profile. Multiple strands K82,5 / pitch 85-83,5



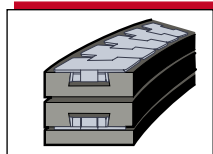
Part. 369 - Page 21
Connecting bar for Part. 422.



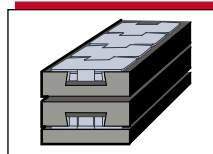
Part. 370 - Page 15-21
Sealing profile for Part. 366-367-368-422.



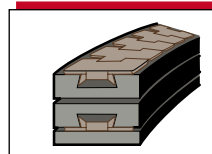
CORNER TRACKS AND STRAIGHT TRACKS



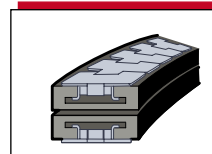
Series KSU - Page 22
Corner tracks for chains Series 881-8811-880.



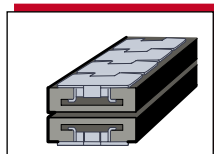
Series SSU - Page 22
Straight tracks for chains Series 881-8811-880.



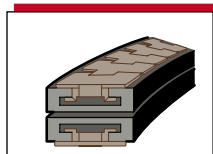
Series KSU 200 - Page 23
Corner tracks for chains Series 882.



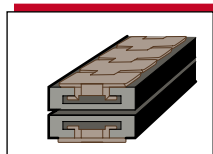
Series KTU - Page 24
Corner tracks for chains Series 8811 TAB-879 TAB-880 TAB.



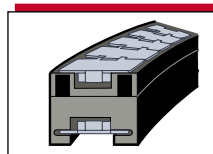
Series STU - Page 24
Straight tracks for chains Series 8811 TAB-879 TAB-880 TAB.



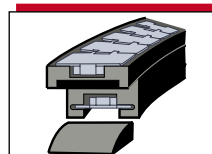
Series KTU 200 - Page 25
Corner tracks for chains Series 882 TAB.



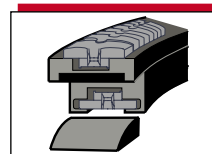
Series STU 200 - Page 25
Straight tracks for chains Series 882 TAB.



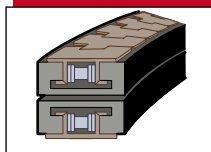
Series KMU - Page 26
Magnetic corner tracks for chains Series 881 M.



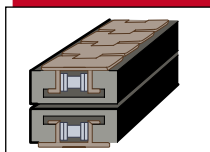
Series COMBI - Page 26
Magnetic corner tracks for chains Series 881 M-880 MG.



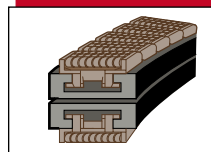
Series COMBI 500/600 - Page 27
Magnetic corner tracks for chains Series FGM 1050-FTM 1050-FTM1055



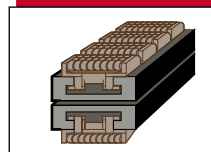
Series KTU 300 - Page 28
Corner tracks for chains Series 1874-4874-1873



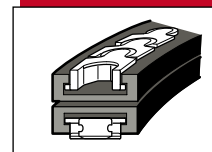
Series STU 300 - Page 28
Straight tracks for chains Series 1874-4874-1873



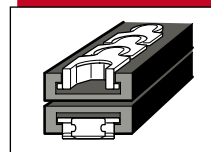
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Corner tracks for chains Series SLBP 882 TAB - LBP 883.



Series STU 200 - Page 29
Straight tracks for chains Series SLBP 882 TAB - LBP 883.



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Corner tracks for chains Series 1700 TAB K-1701 TAB K-1710 TAB K-1713 TAB K



Series STU 500 - Page 30
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ROLLER GUIDES FOR CHAIN RETURN



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Snap-on wear shoe.



Part. 73 - Page 32
Roller ø 42,5 mm. For K82,5.
For K82,5 / pitch 83,5+88.



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Distance gear.



Part. 125 - Page 32
Double roller ø 42,5 mm. Multiple strands K82,5 / pitch 88.



Part. 125 - Page 33
Double roller ø 42,5 mm. Multiple strands K82,5 / pitch 85.



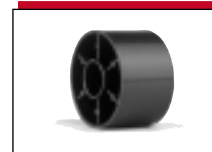
Part. 421 - Page 33
Roller ø 42,5 mm. Multiple strands K82,5 / pitch 83,5.



Part. 388 - Page 33
Roller ø 42,5 mm. Multiple strands K87 / pitch 88.



Part. 561 - Page 34
Roller ø 50 mm. For K82,5.
For K82,5 / pitch 83,5-88.



Part. 560 - Page 34
Roller ø 50 mm. Multiple strands K82,5 / pitch 83,5.



Part. 614 - Page 35
Roller ø 60 mm. For K82,5.
For K82,5 / pitch 83,5+88.



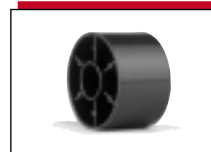
Part. 613 - Page 35
Roller ø 60 mm. Multiple strands K82,5 / pitch 83,5-85.
Rubber surface.



Part. 657 - Page 35
Roller ø 60 mm. Multiple strands K82,5 / pitch 85.
Rubber surface.



Part. 556 - Page 36
Roller ø 60 mm. For K82,5.
For K82,5 / passo 83,5+88.



Part. 554 - Page 36
Roller ø 60 mm. Multiple strands K82,5 / pitch 83,5-85.



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Guiding flange for part. 554-613.



Part. 11 - Page 37
Roller ø 60 mm. For K82,5. Multiple strands K82,5 / pitch 88.



Part. 37 - Page 37
Guiding flange for part. 11.



Part. 624 - Page 37
Distance gear.



Part. 67-22-74 - Page 38
Rollers. For K82,5-101,6.
For K82,5 / pitch 85-88.



Part. 22 M - Page 38
Roller. Multiple strands K82,5 / pitch 85.

SERPENTINE GUIDES FOR CHAIN RETURN



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Chain return guide.



Part. 282 - Page 39
Chain return guide. Snap-on assembly.



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Spacer. For K82,5. Multiple strands K82,5 / pitch 83,5+88.
with round hole



Part. 523 - Page 40
Spacer. For K82,5. Multiple strands K82,5 / pitch 83,5+88.
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Striker (centre). Multiple strands K82,5 / pitch 85.



Part. 524 - Page 41
Sliding profile.



Part. 565 - Page 42
Expansion plug for tubes ø 18-20 mm.



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



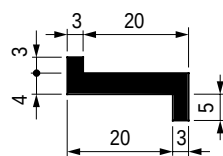
Part. 566 - Page 43
Expansion plug for square tubes 20 mm.



Part. 592 - Page 43
Expansion plug for square tubes 40 mm.

EXPANSION PLUGS FOR SIDES CONNECTION

Part. 262



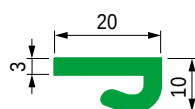
Reinforced version

Chain guide profile

Part.	Colour	Packaging metres	Code
262	Black	45	63651

- Standard packaging : coil.

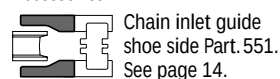
Part. 261



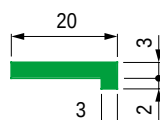
Chain guide profile

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 :



Part. 243

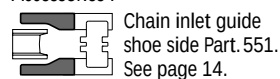


Chain guide profile

Part.	Colour	Packaging metres	Code
243	Green	90	63701

- Standard packaging : coil.

- Accessories :



Material

Polyethylene UHMWPE with molecular density 5.600.000.

Linear expansion coefficient

2×10^{-4}

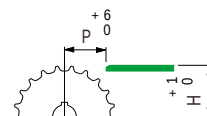
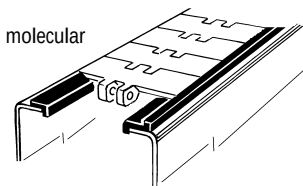
Calculation of thermal expansion see page 161.

Operating temperature

In air (- 40 to + 80 °C).

In hot water (+ 70 °C).

• Position of guides. See page 164.



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

Fig. 1 - Chain width 82,5 mm (K 325) / Guide clearance 45 mm

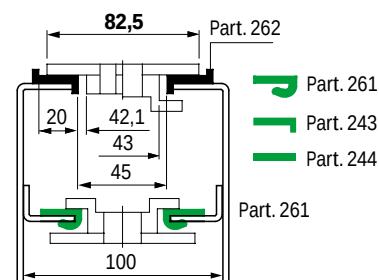


Fig. 2 - Chain width 82,5 mm (K 325) / Guide clearance 49 mm

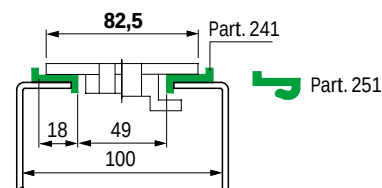


Fig. 3 - Chain width 114,3 mm (K 450)

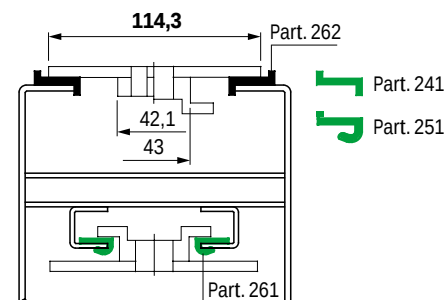
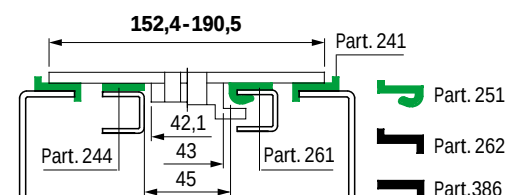
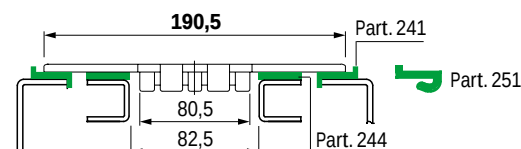


Fig. 4 - Chain width 152,4 mm (K 600), 190,5 (K 750)



• TableTop® double hinge chain series 802 - 805

Fig. 5 - Chain width 190,5 mm (K 750)



• **TableTop® double hinge chain series 821**

Fig. 6 - Chain width 190,5 mm (K 750)

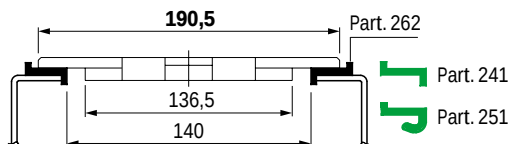


Fig. 7 - Chain width 254 mm (K 1000), 304,8 mm (K 1200).
Use the guides of Fig. 5.

• **TableTop® chains series 882 TAB**

Fig. 8 - Chain width 114,3 mm (K 450)

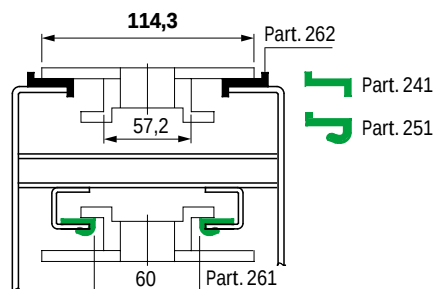
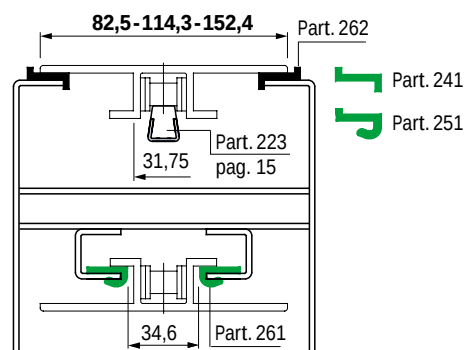


Fig. 9 - Chain width 190,5 mm (K 750), 254 mm (K 1000),
304,8 mm (K 1200). Use the guides of Fig. 4.

• **PlateTop chains series 1874 - 4874 - 1873**

Fig. 10 - 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**

Fig. 11 - Chain width 95,2 mm (K 375)

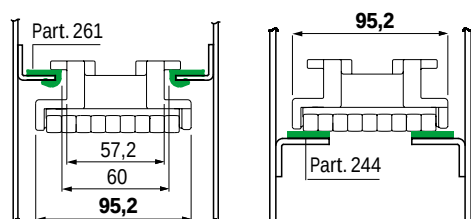
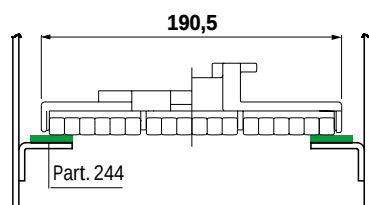


Fig. 12 - Chain width 190,5 mm (K 750)

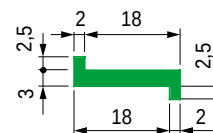


■ **Chain guide profile**

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

- Standard packaging : coil.

Part. 241

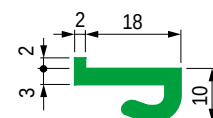


■ **Chain guide profile**

Part.	Colour	Packaging metres	Code
251	Green	40	63631

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

Part. 251

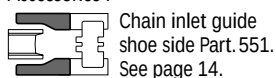


■ **Chain guide profile**

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 :

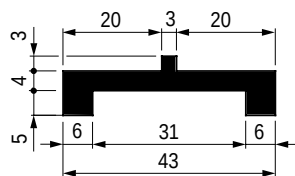


Chain inlet guide
shoe side Part. 551.
See page 14.

Part. 244



Part. 263



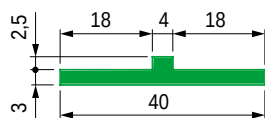
Reinforced version

Chain guide profile

Part.	Colour	Length metres	Code
263	Black	3 6	694321* 63681

- Use : see Fig. 13.
- Standard packaging : bars of 3 and 6 metres.
- Packaging : 96 metres.

Part. 242

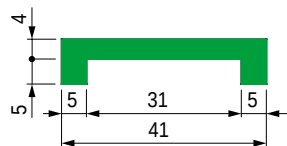


Chain guide profile

Part.	Colour	Packaging metres	Code
242	Green	80	63671

- Use : see Fig. 14.
- 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

- Use : see Fig. 15.
- Standard packaging : bars of 3 and 6 metres.
- Packaging : 96 metres.

Material

Polyethylene UHMWPE with molecular density 5.600.000.

Linear expansion coefficient

2×10^{-4}

Calculation of thermal expansion see page 161.

Operating temperature

In air (- 40 to + 80 °C).

In hot water (+ 70 °C).

Position of guides. See page 164.

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

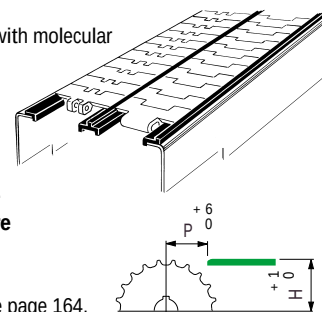


Fig. 13 - Chain width 82,5 mm (K 325) / Pitch 88 mm

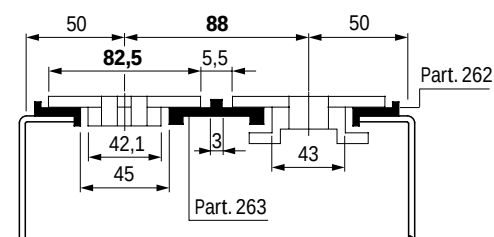


Fig. 14 - Chain width 82,5 mm (K 325) / Pitch 88 mm

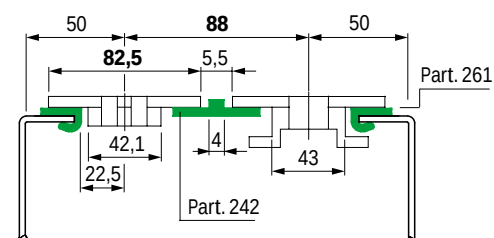
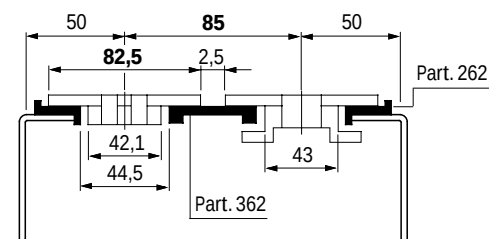


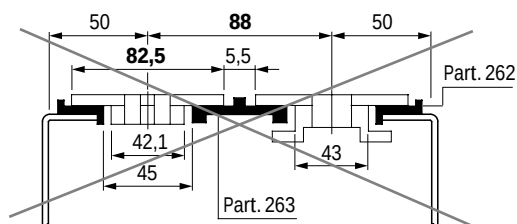
Fig. 15 - Chain width 82,5 mm (K 325) / Pitch 85 mm



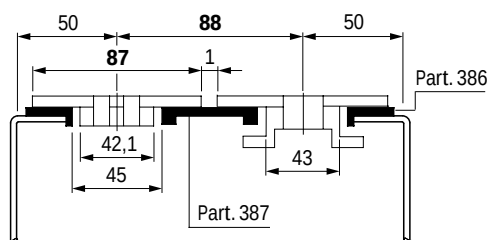
• **TableTop® chains series 820 - 880TAB**

Fig. 16 - 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.

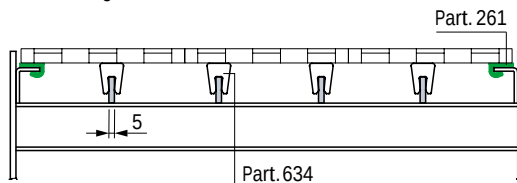


Change chains from 82,5 mm to 87 mm width and wear strips, in this way the Gap between chains is reduced from 5,5 mm to 1 mm while the conveyor frame is unchanged.



• **MatTop® modular chains**

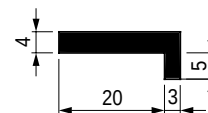
Fig. 16/a - Parallel wear strips. Recommended with medium-light loads.



■ **Chain guide profile**

Part.	Colour	Packaging metres	Code
386	Black	45	66096

- Use : see Fig. 16.
- Can be used in combination with Part. 387.
- Standard packaging : coil.

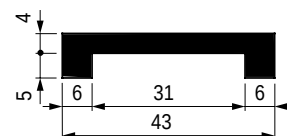


Reinforced version

■ **Chain guide profile**

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

- Use : see Fig. 16.
- Can be used in combination with Part. 386.
- Standard packaging : bars of 3 and 6 metres.
- Packaging : 96 metres.

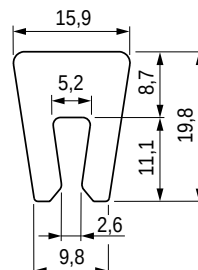


Reinforced version

■ **Chain guide profile**

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

- Applicable to 5 mm thick sheet metal.
- Use : see Fig. 16/a.
- Standard packaging : bars of 6 metres.
- Packaging : 96 metres.



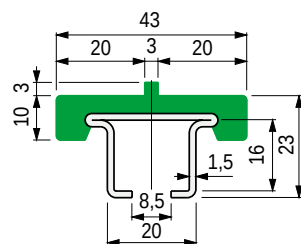
Microban®
antibacterial protection

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

Part. 366

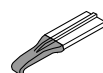


Chain guide profile



Part.	Colour	Length metres	Code	Weight kg/m
366	Green	3	64056 M	1,10
		6	69585 M	

- Use : see Fig. 17-20-21.
- Standard packaging : the plastic and metal profiles are supplied assembled.
- Plastic profile spare part code : **644071** (6 metres).
- Packaging : 36 metres.
- Accessories :

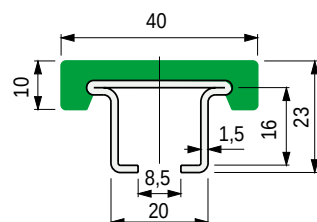


Chain inlet guide shoe centre Part. 550.
See page 14.

Part. 367



Chain guide profile



Part.	Colour	Length metres	Code	Weight kg/m
367	Green	3	64046 M	1,10
		6	69615 M	

- Use : see Fig. 18-19-22-23.
- Standard packaging : the plastic and metal profiles are supplied assembled.
- Plastic profile spare part code : **68309** (6 metres).
- Packaging : 36 metres.
- Accessories :

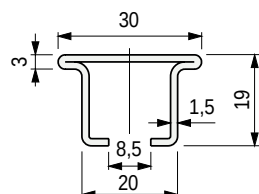


Chain inlet guide shoe centre Part. 550.
See page 15.

Part. 368



Chain guide profile



Part.	Length metres	Code	Weight kg/m
368	3	64066	0,90
	6	69645	

- Use : recommended with MatTop® chains in abrasive environment / high speed / high temperature. See Fig. 22-23.
- Packaging : 36 metres.

Material

Plastic profile in polyethylene UHMWPE with molecular density 5.600.000.
Metal profile in stainless steel AISI 304.

Linear expansion coefficient

2×10^{-4}

Calculation of thermal expansion see page 161.

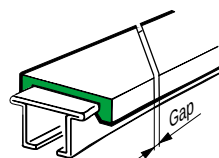
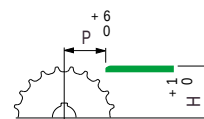
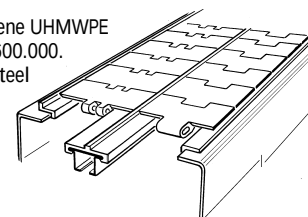
Operating temperature

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

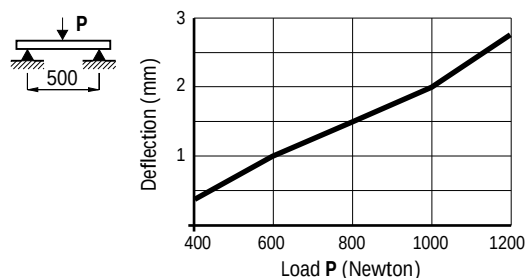
Position of guides. See page 164.

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 - 881 TAB - 8811 TAB - 879 TAB - 880 TAB

Fig. 17 - Chain width 82,5 mm (K 325) / Pitch 88 mm

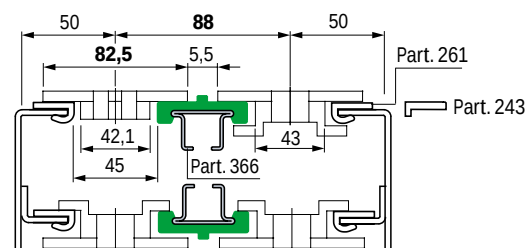


Fig. 18 - Chain width 82,5 mm (K 325) / Pitch 85 mm

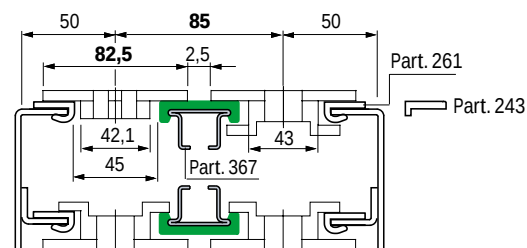


Fig. 19 - Chain width 82,5 mm (K 325) / Pitch 83,5 mm

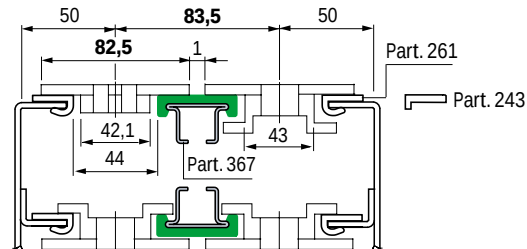


Fig. 20 - Chain width 114,3 mm (K 450) / Pitch 120 mm

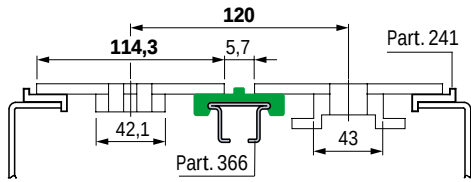
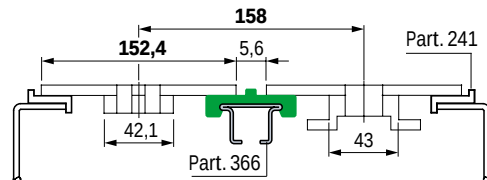


Fig. 21 - Chain width 152,4 mm (K 600) / Pitch 158 mm



• **MatTop® modular chains**

Fig. 22 - Parallel wear strips. Recommended with medium-light loads.

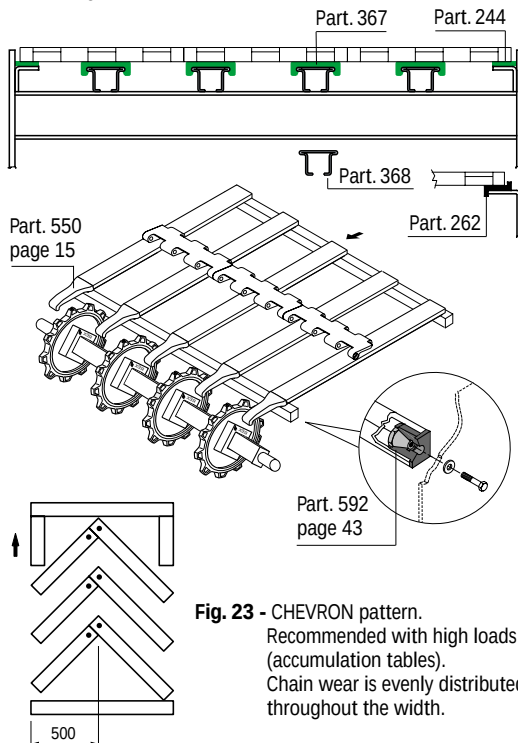
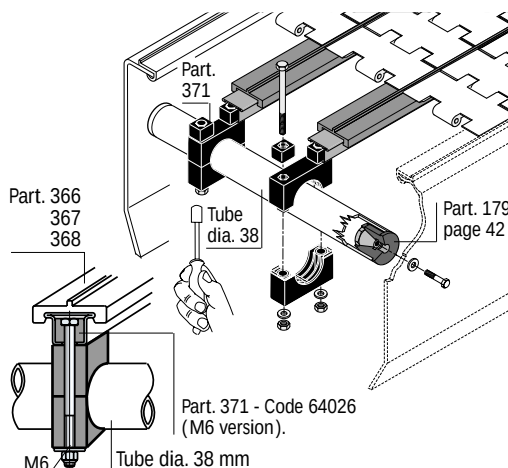


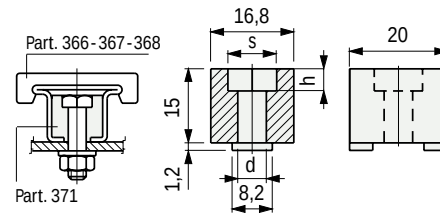
Fig. 23 - CHEVRON pattern.
Recommended with high loads
(accumulation tables).
Chain wear is evenly distributed
throughout the width.

• **Assembly of Part. 559**

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



■ **Mounting block**



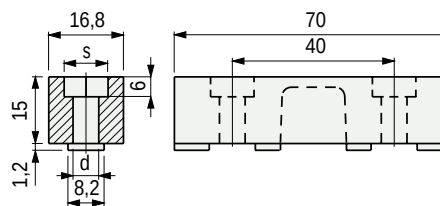
Part.	d mm	h mm	Hexagon s mm	Code
371	6,2 (for screws M 6)	4,5	10,2	64026*
	8,1 (for screws M 8)	6	13,2	61056

- 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**



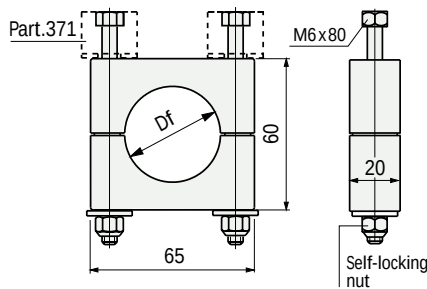
Part.	d mm	Hexagon s mm	Code
621	8,1 (for screws M 8 - 5/16")	13,2	635542

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

Part. 621



■ **Fixing clamp**



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.
- Packaging : 50 pieces.

Part. 559



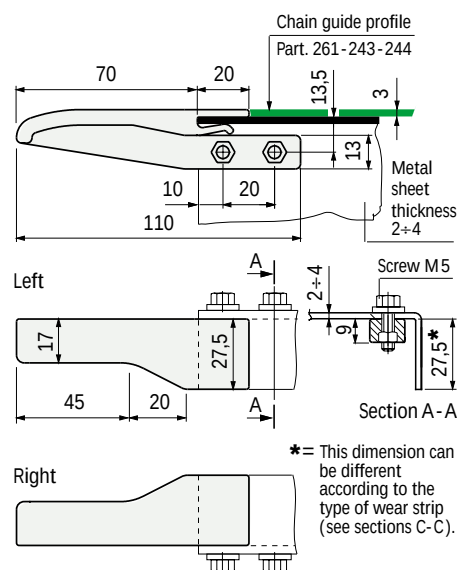
* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

Accessories

Part. 551



Chain inlet guide shoe (side)



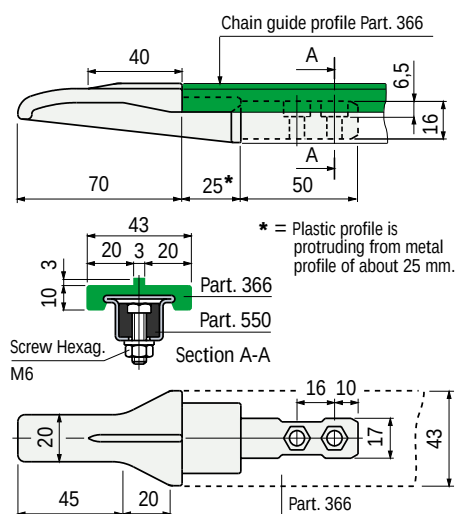
Part.	State of supply	Code	Weight kg
551	Left + right	689501	0,025

- Use : can be used in combination with Part. 261-243-244. See Fig. 24-25-26.
- Material : polyamide PA (black).
- Packaging : 25 left + 25 right.

Part. 550



Chain inlet guide shoe (centre)



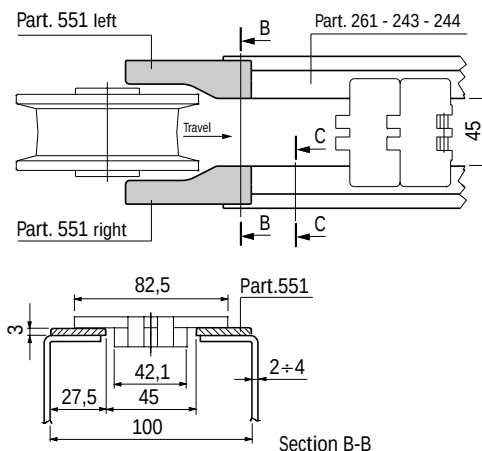
Part.	Code	Weight kg
550	689481	0,042

- Use : can be used in combination with Part. 366. See Fig. 25.
- Material : polyamide PA (black).
- Packaging : 50 pieces.

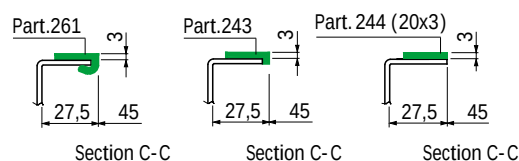
Use for Part. 550-551

In TableTop® conveyors, chain inlet guide shoes shall be used near the idlers (see fig. 24-25-26).
In MatTop® conveyors can be used near the sprockets too (see fig. 27).

Fig. 24 - Example of application of Part. 551 in single strand conveyor / Chain width 82,5 mm (K325).



Types of wear strips that can be used with guide shoe Part. 551 (only thickness 3 mm).



Positioning

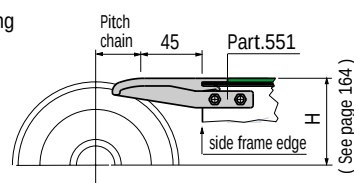
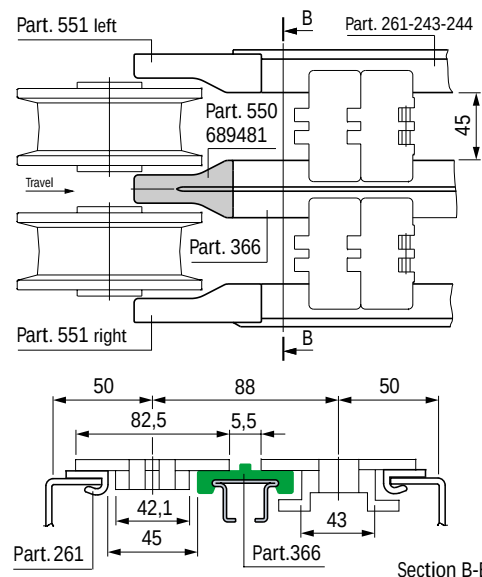
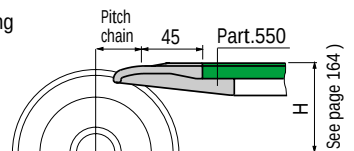


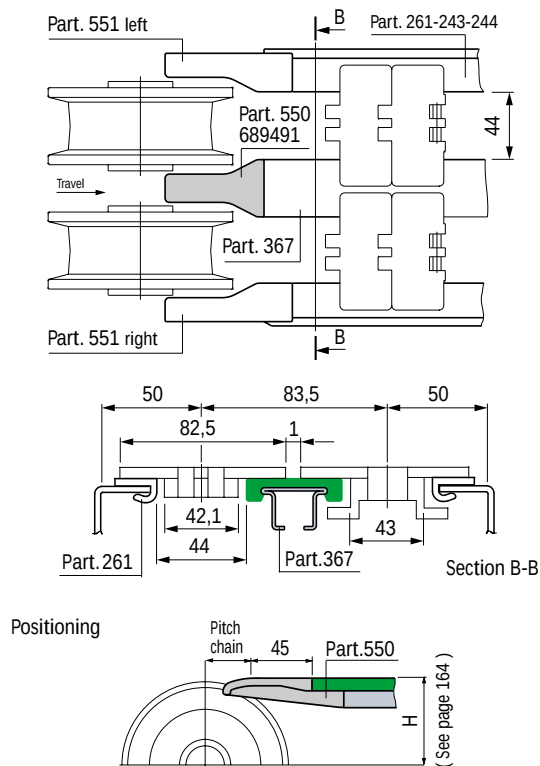
Fig. 25 - Example of application of Part. 550, in multiple strand conveyor / Chain width 82,5 mm (K325) / Pitch 88 mm.



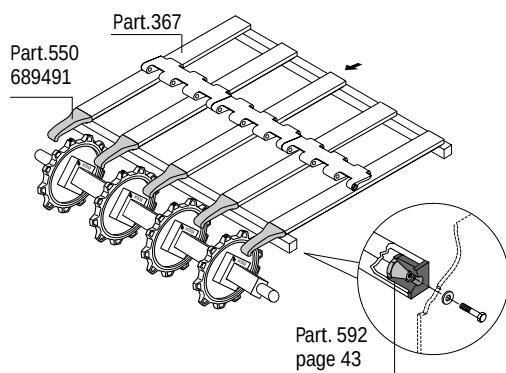
Positioning



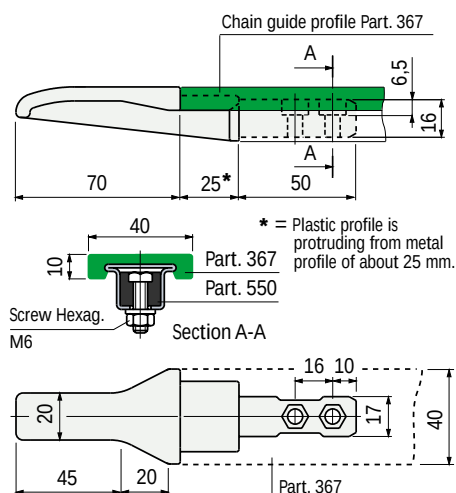
• **Fig. 26** - Example of application of Part. 550, in multiple strand conveyor / Chain width 82,5 mm (K325) / Pitch 83,5 mm.



• **Fig. 27** - Example of use of Part. 550 in a MatTop® conveyor.



■ **Chain inlet guide shoe (centre)**



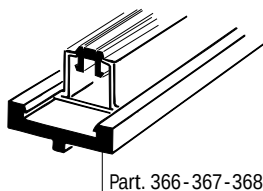
Part.	Code	Weight kg
550	689491	0,042

- Use : can be used in combination with Part. 367. See Fig. 26.
- Material : polyamide PA (black).
- Packaging : 50 pieces



Part. 550

■ **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.

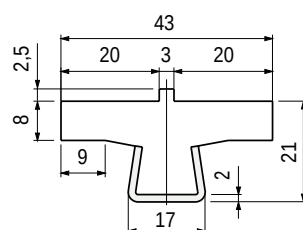


Part. 370

Part. 310



Chain guide profile



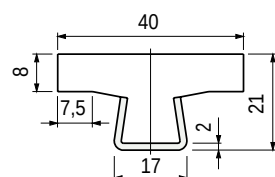
Part.	Colour	Length metres	Code	Weight kg/m
310	White	3	65612	0,95
		6	69412	

- Use : see Fig. 28.
- Material : metal profile in stainless steel AISI 304.
- Packaging : 24 metres.

Part. 356



Chain guide profile



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

- Use : see Fig. 29-30-31-32.
- Material : metal profile in stainless steel AISI 304.
- Packaging : 24 metres.



• MatTop® modular chains

Fig. 31 - Parallel wear strips. Recommended with medium-light loads.

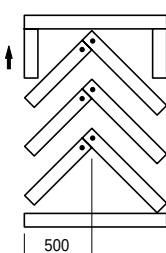
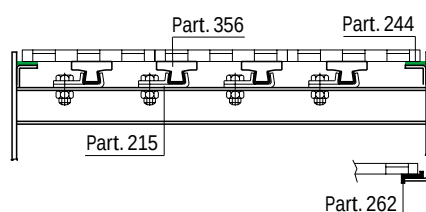


Fig. 32 - CHEVRON pattern. Recommended with high loads (accumulation tables). Chain wear is evenly distributed throughout the width.

• Material

Plastic profile in polyethylene UHMWPE with molecular density 5.600.000.
Metal profile in stainless steel AISI 304 or zinc plated steel.

• Linear expansion coefficient

4×10^{-5}
Calculation of thermal expansion see page 161.

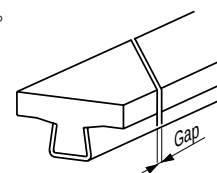
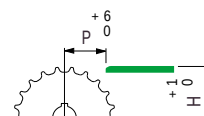
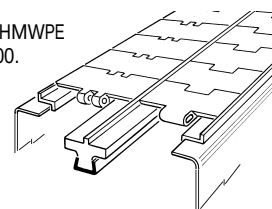
• Operating temperature

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

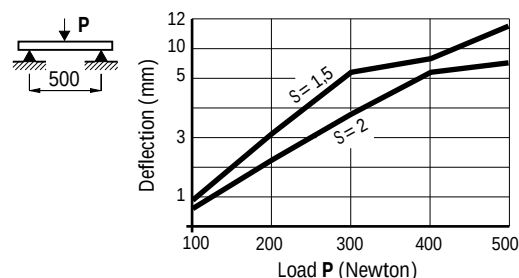
• Position of guides. See page 164.

• 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. 223-310-356



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

Fig. 28 - Chain width 82,5 mm (K 325) / Pitch 88 mm

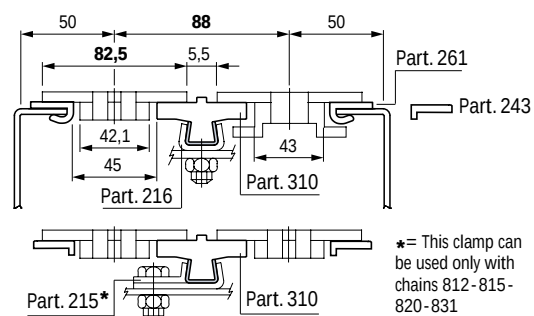


Fig. 29 - Chain width 82,5 mm (K 325) / Pitch 85 mm

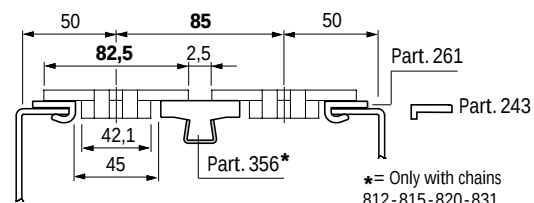
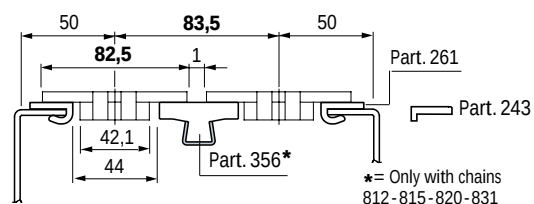
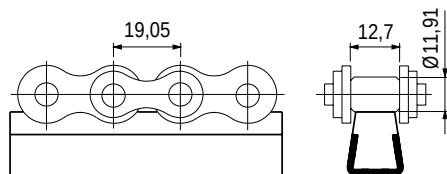


Fig. 30 - Chain width 82,5 mm (K 325) / Pitch 83,5 mm



• **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 chains series 1874-4874-1873

Fig. 33 - Chain width 82,5 mm (K 325), 114,3 mm (K 450), 152,4 mm (K 600)

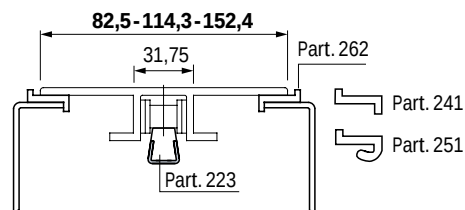
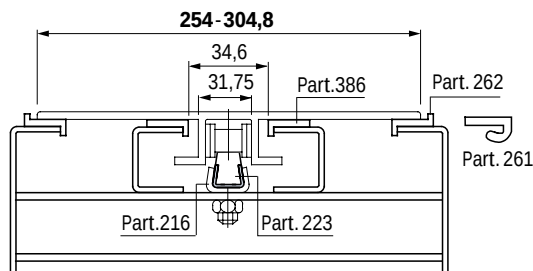
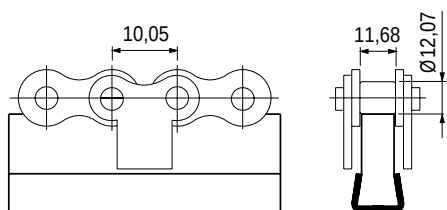


Fig. 34 - Chain width 254 mm (K 1000), 304,8 mm (K 1200)

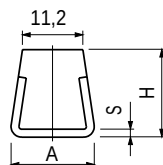


• **Use of Part. 274**

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**

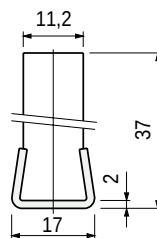


S mm	H mm	A mm
1,5	17,5	16,5
2	18	17

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

- Use : see Fig. 33-34.
- Colour : white.
- Packaging : 24 metres (in 3 m lengths).
48 metres (in 6 m lengths).

■ **Chain guide profile**



Part.	Colour	Length metres	Code	Weight kg/m
274	White	3	66801	0,79

- Material : metal profile in stainless steel AISI 304.
- Packaging : 24 metres.

Part. 223



Part. 274

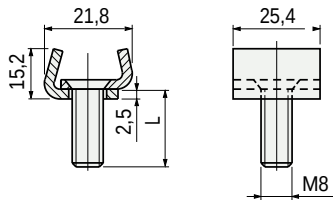


Accessories

Part. 903



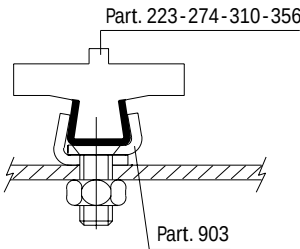
ViseClamp™



Part.	L mm	Code
903	20	656001*

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

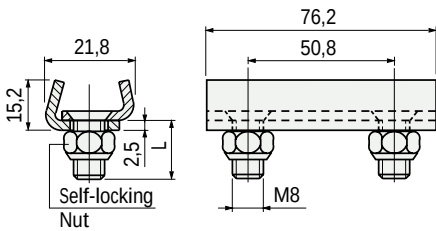
• Use of Part. 903



Part. 902



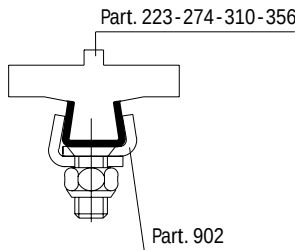
ViseSplice™



Part.	L mm	Code
902	15	656041*

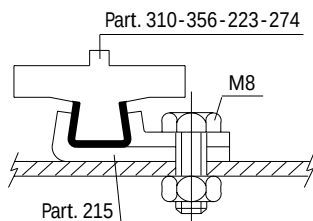
- Material : stainless steel AISI 303.
- Packaging : 50 pieces.

• Use of Part. 902

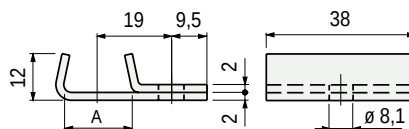


* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

• Use of Part. 215



Clamp



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

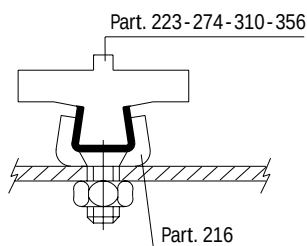
Part.	Use	Code
215	For Part. 223 (with S = 1,5)	60121
	For Part. 223 (with S = 2) - 274-310-356	65976

- Use : easy assembly of guide profiles Part. 310-356-223-274.
- Material : stainless steel AISI 304.
- Packaging : 50 pieces.

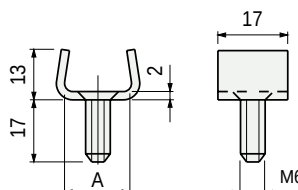


Part. 215

• Assembly of Part. 216



Clamp



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

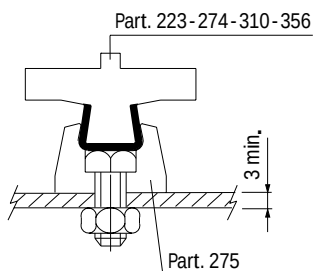
Part.	Use	Code
216	For Part. 223 (with S = 1,5)	60131*
	For Part. 223 (with S = 2) - 274-310-356	64244

- Use : easy assembly of guide profiles Part. 310-356-223-274.
- Material : stainless steel AISI 304.
- Packaging : 50 pieces.

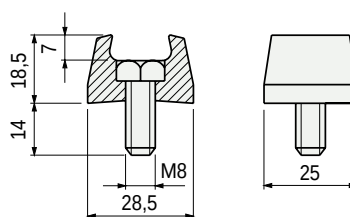


Part. 216

• Assembly of Part. 275



Clamp



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

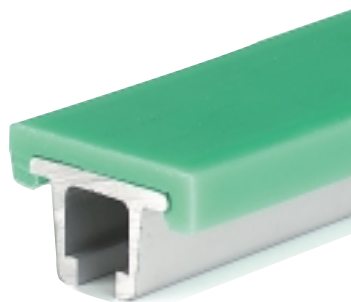
- Use : easy assembly of guide profiles Part. 310-356-223-274.
- Material : body in acetal resin POM (black), bolt in stainless steel AISI 304.
- Packaging : 100 pieces.



Part. 275

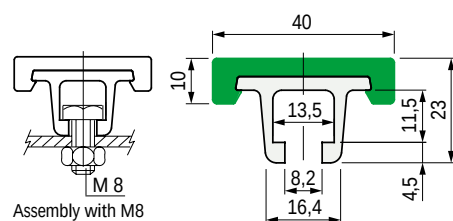
* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

Part. 422



In aluminium

Chain guide profile

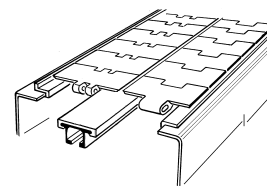


Part.	Colour	Length metres	Code	Weight kg/m
422	Green	3	65248M	0,7
		6	65258M	

- Use : see Fig. 35 - 36 - 37 - 38.
- 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.

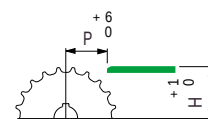


Linear expansion coefficient

2×10^{-4}
Calculation of thermal expansion see page 161.

Operating temperature

In air (- 40 to + 80 °C).



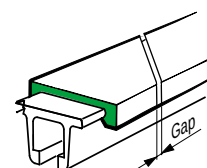
Position of guides. See page 164.

Not recommended in wet conveyors

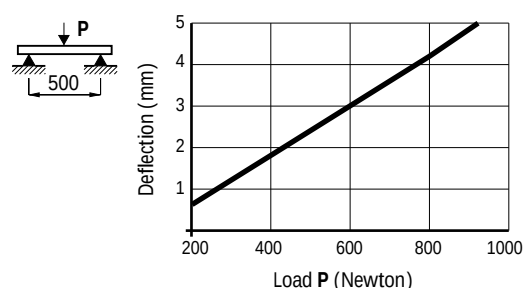
To avoid corrosion in contact with cleaning agents.

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 - 8811 TAB - 879TAB - 880TAB

Fig. 35 - Chain width 82,5 mm (K 325) / Pitch 85 mm

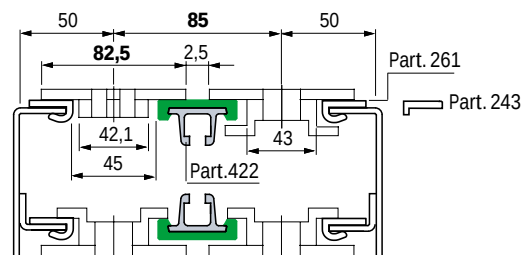
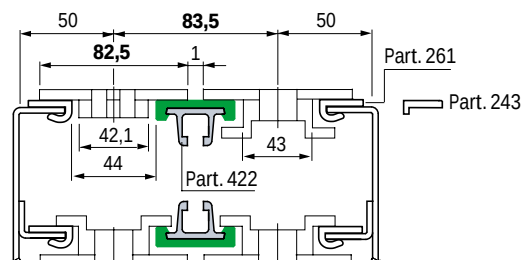


Fig. 36 - Chain width 82,5 mm (K 325) / Pitch 83,5 mm



MatTop® modular chains

Fig. 37 - Parallel wear strips. Recommended with medium-light loads.

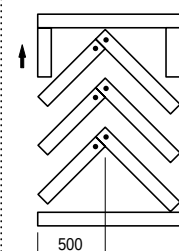
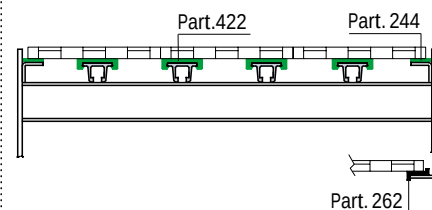
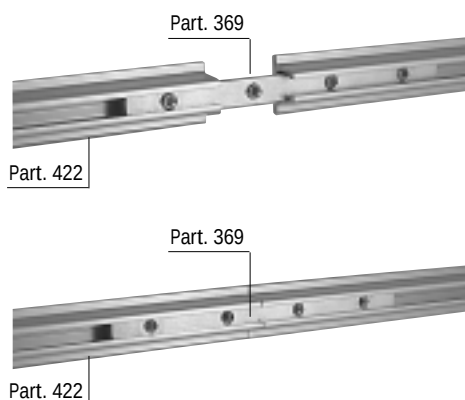
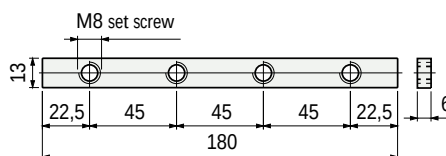


Fig. 38 - CHEVRON pattern. Recommended with high loads (accumulation tables). Chain wear is evenly distributed throughout the width.

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



■ **Connecting bar**



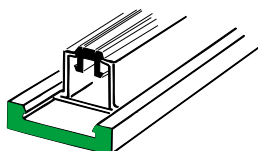
Part.	Code
369	69995

- 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



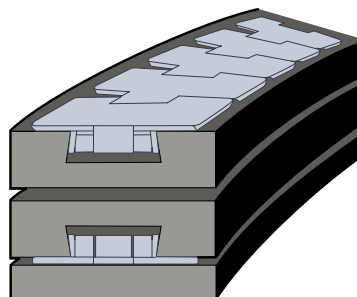
* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

Corner tracks and straight tracks for TableTop® Series:

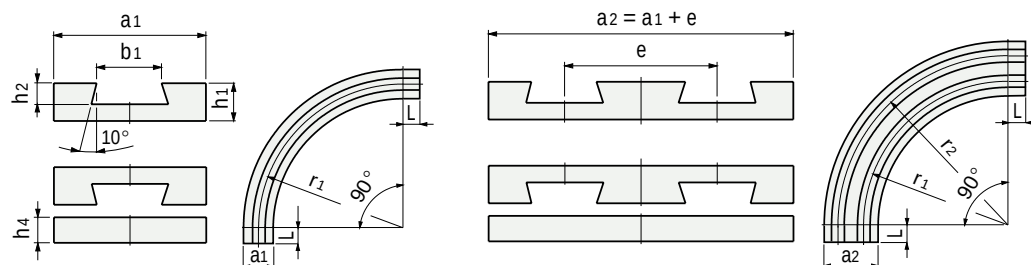
- 881
- 8811
- 880



Series KSU



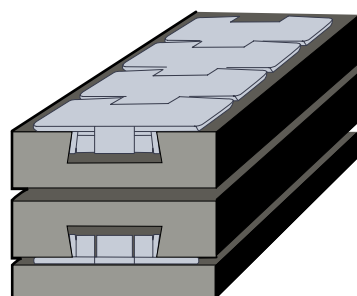
Corner tracks



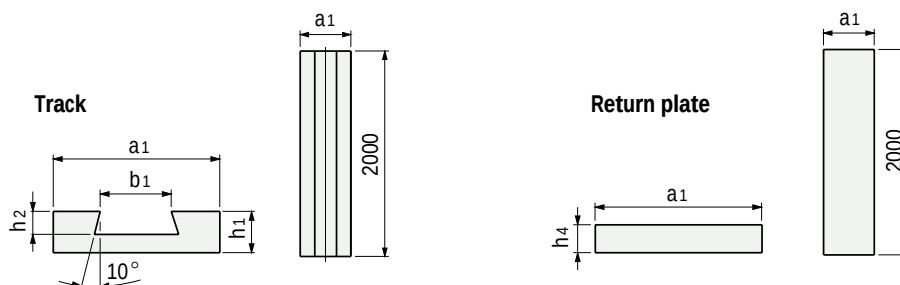
Type of chain	Chain width mm	Radius r1 mm	State of supply	Width a1 mm	b1 mm ± 0.5	h1 mm	h2 mm	h4 mm	L mm	Pitch e mm	Code
880-K 325	82,5	500	Without the L sections	100	41,4	25	18	16	—	90	KSU 013 500...
881-K 325			With the L sections	100	41,4	25	17	15	50	*	KSU 013 500...S
8811-K 325											
880-K 450	114,3	610	Without the L sections	125	41,4	25	18	16	—	120	KSU 018 610...
881-K 450			With the L sections	130	41,4	25	17	15	50	*	KSU 018 610...S
8811-K 450											
881-K 750	190,5	610	Without the L sections	200	41,4	25	18	16	—	195	KSU 030 610...
8811-K 750			With the L sections	210	41,4	25	17	15	50	*	KSU 030 610...S

* = To be specified upon order.

Series SSU



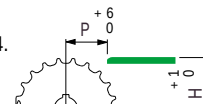
Straight tracks



Type of chain	Chain width mm	Width a1 mm	b1 mm	h1 mm	h2 mm	h4 mm	Code Track	Code Return plate
880-K 325	82,5	100	41,4	25	17	15	SSU 013	SSU 013 P
881-K 325								
8811-K 325								
880-K 450	114,3	130	41,4	25	17	15	SSU 018	SSU 018 P
881-K 450								
8811-K 450								

- **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.
- **When ordering indicate the No. of strands required:**
KSU 013 500 **1**
Code No. of strands

- **Linear expansion coefficient :** 2×10^{-4}
Calculation of thermal expansion see page 161.
- **Operating temperature :**
In air (-40 to + 80 °C).
In hot water (+ 70 °C).
- **Positioning :** see page 164.



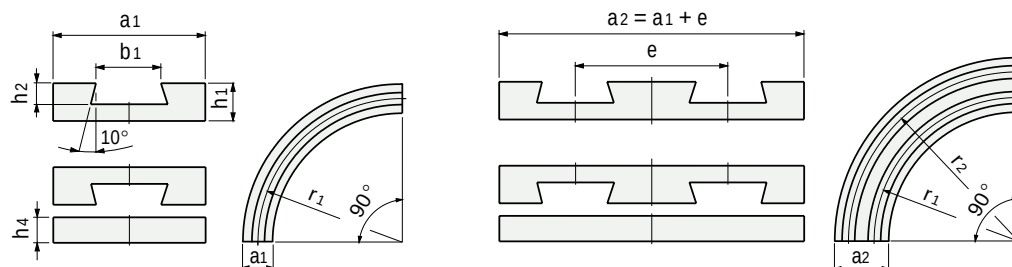


Corner tracks for TableTop®

Series:

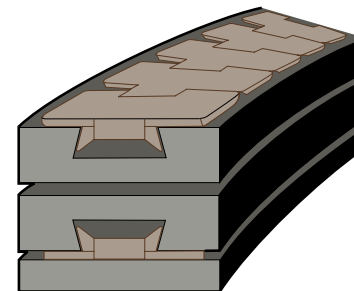
- 882

■ Corner tracks



Type of chain	Chain width mm	Radius r1 mm	Width a1 mm	± 0.5 b1 mm	h1 mm	h2 mm	h4 mm	Pitch e mm	Code
882 - K450	114,3	610	125	58	27	21	16	120	KSU 218 610...
882 - K750	190,5	610	200	58	27	21	16	195	KSU 230 610...
882 - K1000	254	610	265	58	27	21	16	260	KSU 240 610...

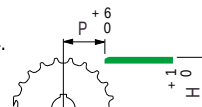
Series **KSU 200**



- **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.
- **When ordering indicate the No. of strands required:**

KSU 218 610 **1**
Code No. of strands

- **Linear expansion coefficient :** 2×10^{-4}
Calculation of thermal expansion see page 161.
- **Operating temperature :**
In air (-40 to + 80 °C).
In hot water (+ 70 °C).
- **Positioning :** see page 164.



Corner tracks and straight tracks for TableTop® Series:

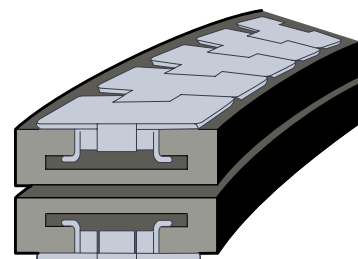
- 8811 TAB
- 879 TAB
- 880 TAB



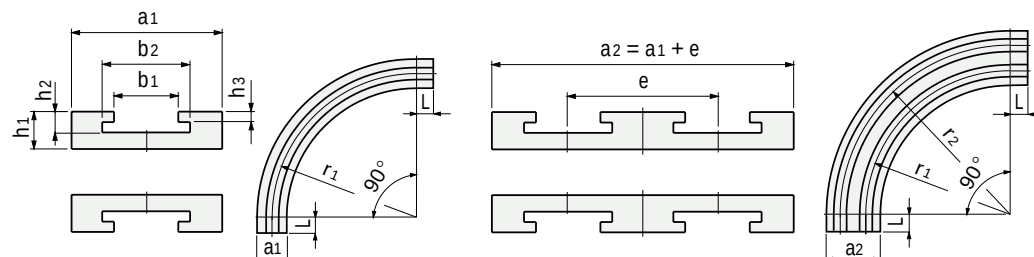
Suitable also with chains type:

- SSC 8811 TAB Rubber Top
- 880 TAB-K454
- HFP 880 TAB
- 879 BO
- 880 BO
- HFP 880 BOT

Series KTU



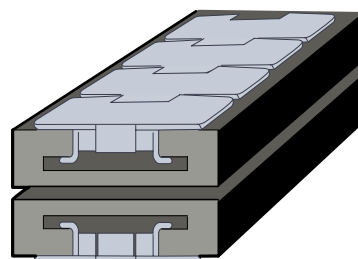
Corner tracks



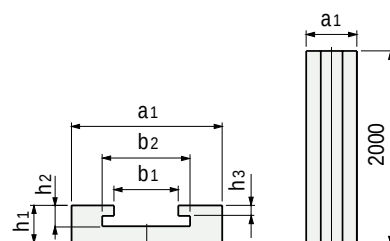
Type of chain	Chain width mm	Radius r1 mm	State of supply	Width a1 mm	b1 mm	b2 mm	h1 mm	h2 mm	h3 mm	L mm	Pitch e mm	Code
879TAB-K325	82,5	500	Without the L sections	100	45	70	25	18	9,5	—	90	KTU 013 500...
880TAB-K325			With the L sections	100	45	67	25	18	10,5	50	*	KTU 013 500...S
8811TAB-K325												
879TAB-K450	114,3	610	Without the L sections	125	45	70	25	18	9,5	—	120	KTU 018 610...
880TAB-K450			With the L sections	130	45	67	25	18	10,5	50	*	KTU 018 610...S
8811TAB-K450												
8811TAB-K750	190,5	610	Without the L sections	200	45	70	25	18	9,5	—	195	KTU 030 610...
			With the L sections	210	45	67	25	18	10,5	50	*	KTU 030 610...S

* = To be specified upon order.

Series STU



Straight tracks

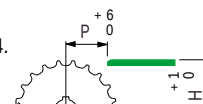


Type of chain	Chain width mm	Width a1 mm	b1 mm	b2 mm	h1 mm	h2 mm	h3 mm	Code
879TAB-K325	82,5	100	45	67	25	18	10,5	STU 013
879BO-K325								
880TAB-K325								
8811TAB-K325								
879TAB-K450	114,3	130	45	67	25	18	10,5	STU 018
879BO-K450								
880TAB-K450								
8811TAB-K450								

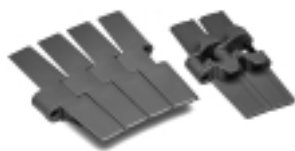
- **Material:** polyethylene UHMWPE (black) with molecular density 1.000.000.
- **Standard packaging:** the corner tracks are supplied complete with carry and return sections. Straight tracks are supplied as single profile 2 m long.
- **Special dimensions** on application.
- **When ordering indicate the No. of strands required:**

KTU 013 500 **1**
Code No. of strands

- **Linear expansion coefficient :** 2×10^{-4}
Calculation of thermal expansion see page 161.
- **Operating temperature :**
In air (-40 to + 80 °C).
In hot water (+ 70 °C).
- **Positioning :** see page 164.



882 TAB



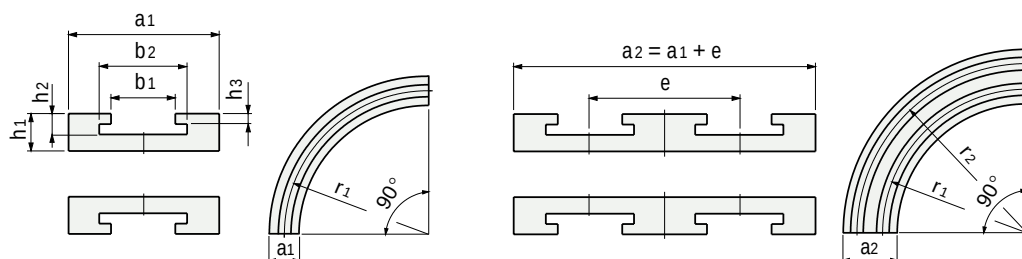
Suitable also with chains type:

- HFP 882 TAB
- HFP 882 TAB F
- RR 882

Corner tracks and straight tracks for TableTop® Series:

- 882 TAB

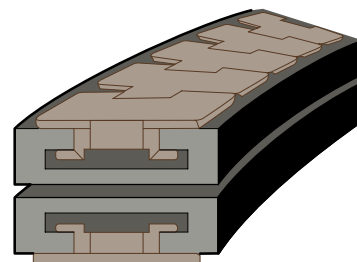
Corner tracks



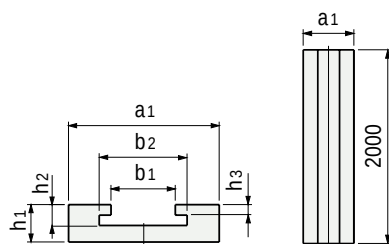
Type of chain	Chain width mm	Radius r1 mm	Width a1 mm	b1 mm	b2 mm	h1 mm	h2 mm	h3 mm	Pitch e mm	Code
882TAB-K450	114,3	610	130	60	84	30	24	15	*	KTU 218 610...S
882TAB-K750	190,5	610	210	60	84	30	24	15	*	KTU 230 610...S
882TAB-K1000	254	610	270	60	84	30	24	15	*	KTU 240 610...S
882TAB-K1200	304,8	610	320	60	84	30	24	15	*	KTU 248 610...S

* = To be specified upon order.

Series KTU 200

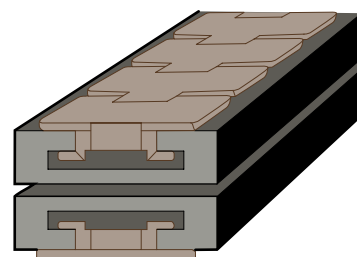


Straight tracks



Type of chain	Chain width mm	Width a1 mm	b1 mm	b2 mm	h1 mm	h2 mm	h3 mm	Code
882TAB-K450	114,3	130	60	84	30	24	15	STU 218
882TAB-K750	190,5	210	60	84	30	24	15	STU 230
882TAB-K1000	254	270	60	84	30	24	15	STU 240
882TAB-K1200	304,8	320	60	84	30	24	15	STU 248

Series STU 200

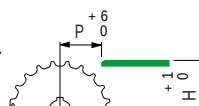


- **Material:** polyethylene UHMWPE (black) with molecular density 1.000.000.
- **Standard packaging:** the corner tracks are supplied complete with carry and return sections. Straight tracks are supplied as single profile 2 m long.
- **Special dimensions** on application.
- **When ordering indicate the No. of strands required:**

KTU 218 610 1 S
Code No. of strands

- **Linear expansion coefficient :** 2×10^{-4}
Calculation of thermal expansion see page 161.

- **Operating temperature :**
In air (-40 to + 80 °C).
In hot water (+ 70 °C).
- **Positioning :** see page 164.

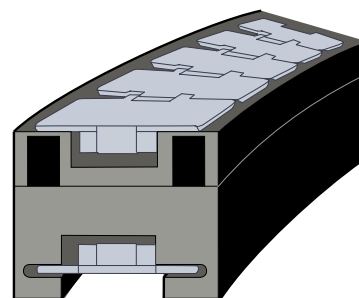


Magnetic corner tracks for TableTop® Series:

- 881 M
- 880 MG



Series KMU



Only for Series 881 M

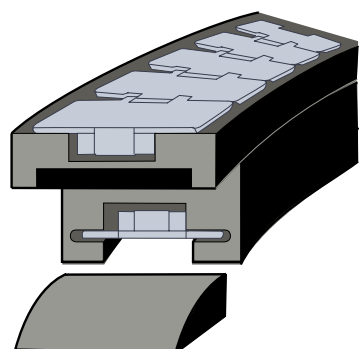
Magnetic corner tracks

Type of chain	Chain width mm	Radius r1 mm	Width a1 mm	L mm	± 0.5 b1 mm	h1 mm	h2 mm	Pitch e mm	Code
881 M-K325	82,5	500	100	-	44,2	27	55	90	KMU 013 500...*
			100	125	44,2	27	55	89	KMU 013 500...L 125
		680	111	100	44,2	27	55 (63°)	85	KMU 013 500...L 100
			100	100	44,2	27	55	90	KMU 013 680...
881 M-K330	83,8	500	100	100	44,2	27	55	90	KMU 013 860...
			100	125	44,2	27	55	90	KMU 113 500...
881 M-K450	114,3	500	129	125	44,2	27	63	120	KMU 018 500...
			129	125	44,2	27	55 (63°)	120	KMU 018 610...
881 M-K750	190,5	610	214	125	44,2	27	55	196	KMU 030 610...

* = Supplied without the L straight-line sections.

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

Series COMBI



With return guide shoe

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	Code
881 M-K325 880 MG-K325	82,5	500	100	100	44	50	27	55	90	Gap 0	30	COMBI 013 500...
			100	125	44	50	27	55	89	Gap 0	30	COMBI 013 500...L 125
		680	111	100	44	50	27	63	85	20	20	COMBI 013 500...L 100
			100	100	44	50	27	55	90	Gap 0	30	COMBI 013 680...
881 M-K330	83,8	500	100	100	44	50	27	55	90	Gap 0	30	COMBI 013 860...
			100	125	44	50	27	55	90	Gap 0	30	COMBI 113 500...
881 M-K450	114,3	500	129	125	44	54	27	63	120	20	20	COMBI 018 500...
			129	125	44	54	27	63	120	20	20	COMBI 018 610...
881 M-K750	190,5	610	214	125	44	54	27	55	196	20	20	COMBI 030 610...

- 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.

- **When ordering indicate the No. of strands required:**
KMU 013 500 1

Code No. of strands

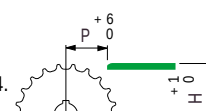
- **Linear expansion coefficient:** 2×10^{-4}

Calculation of thermal expansion see page 161.

- **Operating temperature:**

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

- **Positioning:** see page 164.

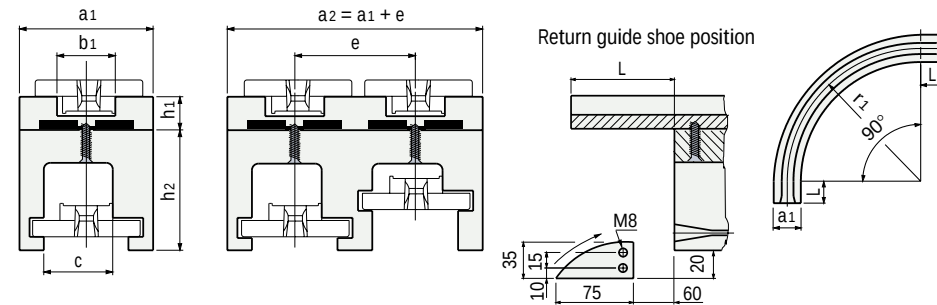




Magnetic corner tracks for TableTop® Series:

- FGM 1050
- FTM 1050
- FTM 1055

■ Magnetic corner tracks

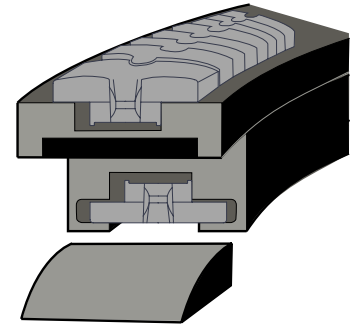


Type of chain	Chain width mm	Radius r1 mm	Width a1 mm	L mm	b1 mm	C mm	h1 mm	h2 mm	Pitch e mm	Code
FTM 1050-K330 FGM 1050-K330	83,8	500	100	100	44	50	27	63	85	COMBI 513 500...
			111	100	44	50	27	63	85	COMBI 514 500...
		500	100	—	44	50	27	55 (63*)	85	COMBI 513 500...L 0*
			100	100	44	50	27	63	85	COMBI 513 750...
		750	111	100	44	50	27	63	85	COMBI 514 750...
			1000	111	100	44	50	27	63	COMBI 514 1000...

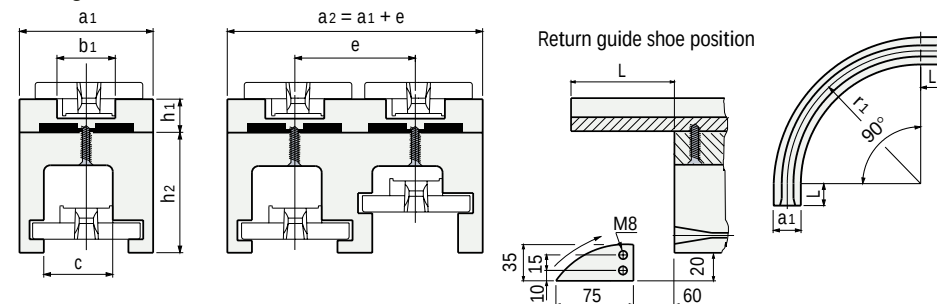
* = Supplied without the L straight-line sections.

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

Series COMBI 500



■ Magnetic corner tracks

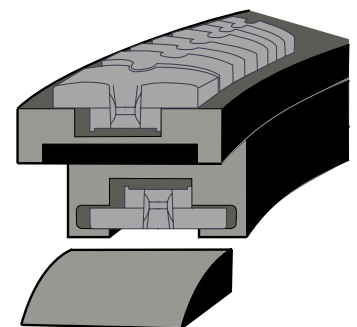


Type of chain	Chain width mm	Radius r1 mm	Width a1 mm	L mm	b1 mm	C mm	h1 mm	h2 mm	Pitch e mm	Code
FTM 1055-K330	83,8	500	100	100	44	50	27	63	85	COMBI 613 500...
			111	100	44	50	27	63	85	COMBI 614 500...
		500	100	—	44	50	27	55 (63*)	85	COMBI 613 500...L 0*
			100	100	44	50	27	63	85	COMBI 613 750...
		750	111	100	44	50	27	63	85	COMBI 614 750...
			1000	111	100	44	50	27	63	COMBI 614 1000...

* = Supplied without the L straight-line sections.

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

Series COMBI 600



• 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.

• **When ordering indicate the No. of strands required:**

COMBI 613 500 1

Code No. of strands

• **Linear expansion coefficient :** 2×10^{-4}

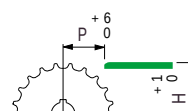
Calculation of thermal expansion see page 161.

• **Operating temperature :**

In air (-40 to +80 °C).

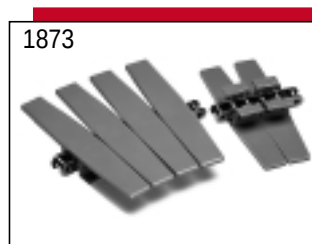
In hot water (+70 °C).

• **Positioning :** see page 164.



Corner tracks and straight tracks for PlateTop Series:

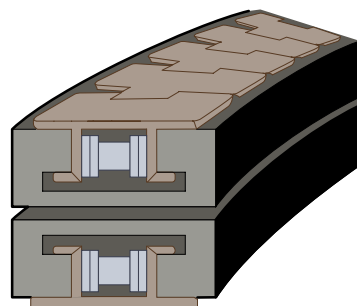
- 1874
- 4874
- 1873



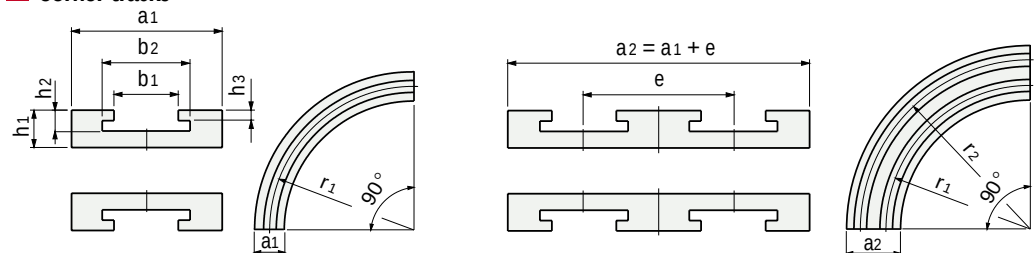
Suitable also with chains type:

- 1874 G
- 1874 HDG
- 1873 G

Series KTU 300

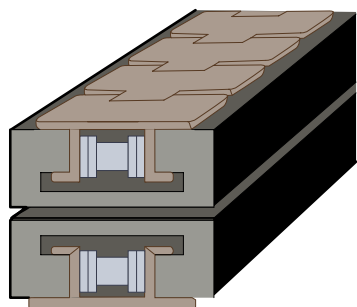


Corner tracks

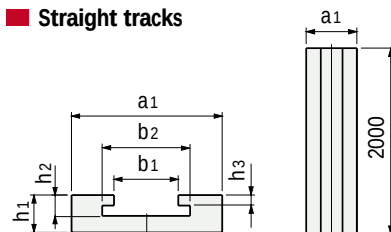


Type of chain	Chain width mm	Radius r1 mm	Width a1 mm	± 0.5 b1 mm	b2 mm	h1 mm	h2 mm	h3 mm	Pitch e mm	Code
1873-K325 1874-K325 4874-K325	82,5	500	100	34,6	70	36	29	19	90	KTU 313 500...
1873-K450 1874-K450	114,3	500	125	34,6	70	36	29	19	120	KTU 318 500...
1873-K600 1874-K600 4874-K600	152,4	610	160	34,6	70	36	29	19	160	KTU 324 610...
1873-K750 1874-K750 4874-K750	190,5	610	200	34,6	70	36	29	19	195	KTU 330 610...
1873-K1000	254	610	260	34,6	70	36	29	19	260	KTU 340 610...
1873-K1200	304,8	610	310	34,6	70	36	29	19	310	KTU 348 610...

Series STU 300



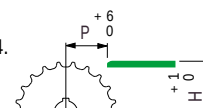
Straight tracks



Type of chain	Chain width mm	Width a1 mm	b1 mm	b2 mm	h1 mm	h2 mm	h3 mm	Code
1873-K325 1874-K325 4874-K325	82,5	100	34,6	70	36	29	19	STU 313
1873-K450 1874-K450	114,3	125	34,6	70	36	29	19	STU 318
1873-K600 1874-K600 4874-K600	152,4	160	34,6	70	36	29	19	STU 324
1873-K750 1874-K750 4874-K750	190,5	200	34,6	70	36	29	19	STU 330
1873-K1000	254	260	34,6	70	36	29	19	STU 340
1873-K1200	304,8	310	34,6	70	36	29	19	STU 348

- **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.
- **When ordering indicate the No. of strands required:**
KTU 313 500 **1**
Code No. of strands

- **Linear expansion coefficient:** 2×10^{-4}
Calculation of thermal expansion see page 161.
- **Operating temperature:**
In air (-40 to +80 °C).
In hot water (+70 °C).
- **Positioning:** see page 164.





Suitable also with chains type:

- LBP 882 TAB
- FLBP 882 TAB

Corner tracks and straight tracks for low backline pressure chains Series:

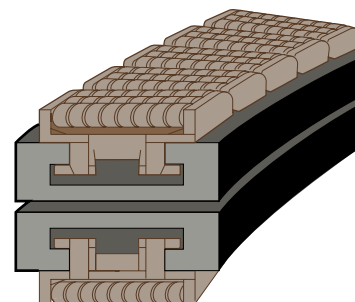
- SLBP 882 TAB
- LBP 883

■ 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
LBP882TAB - K375										
SLBP882TAB - K375	95,2	700	110	60	84	30	24	15	*	KTU 215 700...S
FLBP882TAB - K375										
LBP883TAB - K450	114,3	610	130	60	84	30	24	15	*	KTU 218 610...S
LBP883TAB - K750	190,5	610	210	60	84	30	24	15	*	KTU 230 610...S
SLBP882TAB - K750										

* = To be specified upon order.

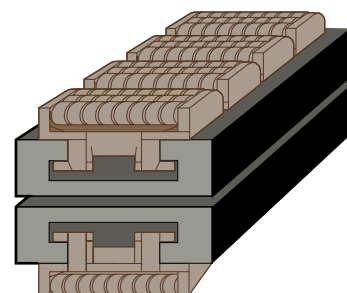
Series KTU 200



■ Straight tracks

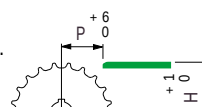
Type of chain	Chain width mm	Width a1 mm	b1 mm	b2 mm	h1 mm	h2 mm	h3 mm	Code
LBP882TAB - K375								
SLBP882TAB - K375	95,2	110	60	84	30	24	15	STU 215
FLBP882TAB - K375								
LBP883TAB - K450	114,3	130	60	84	30	24	15	STU 218
LBP883TAB - K750	190,5	210	60	84	30	24	15	STU 230
SLBP882TAB - K750								

Series STU 200



- **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.
- **When ordering indicate the No. of strands required:**
 KTU 215 700 **1 S**
 Code No. of strands

- **Linear expansion coefficient :** 2×10^{-4}
Calculation of thermal expansion see page 161.
- **Operating temperature :**
In air (-40 to + 80 °C).
In hot water (+ 70 °C).
- **Positioning :** see page 164.



Corner tracks and straight tracks for Multiflex chains

Series:

- 1700 TAB K
- 1701 TAB K
- 1710 TAB K
- 1713 TAB K

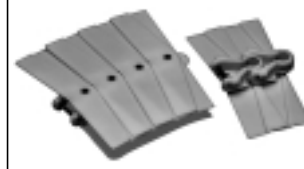
1700 TAB K - 1701 TAB K



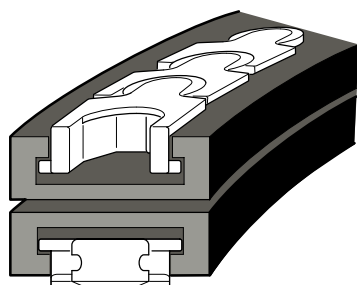
1710 TAB K



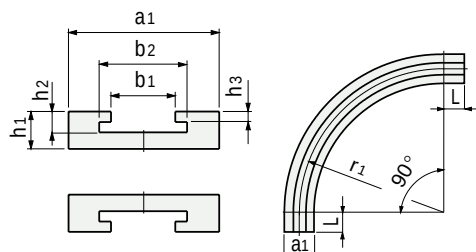
1713 TAB K



Series KTU500

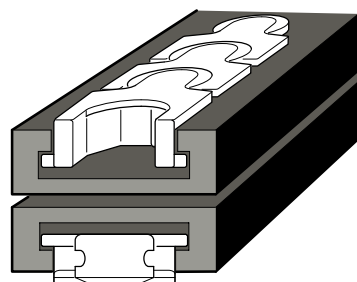


Corner tracks

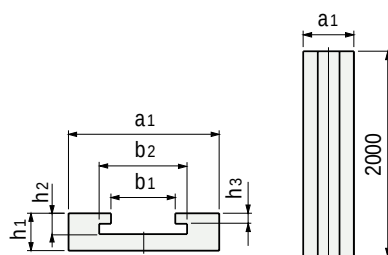


Type of chain	Chain width mm	Radius r1 mm	Width a1 mm	b1 mm	b2 mm	h1 mm	h2 mm	h3 mm	L mm	Code
1700TABK 1701TABK	55	250 500	100	58	70	40	21	12	50	KTU508250S KTU508500S
1710TABK	98	250 500	110	58	70	40	31	22	50	KTU515250S KTU515500S
1713TABK	253	500	270	58	70	40	30,5	20	50	KTU540500S

Series STU500



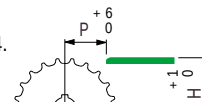
Straight tracks



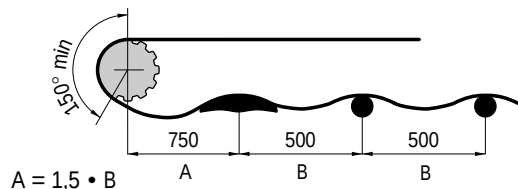
Type of chain	Chain width mm	Width a1 mm	b1 mm	b2 mm	h1 mm	h2 mm	h3 mm	Code
1700TABK 1701TABK	55	100	58	70	40	21	12	STU508
1710TABK	98	110	58	70	40	31	22	STU515
1713TABK	253	270	58	70	40	30	20	STU540

- **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.

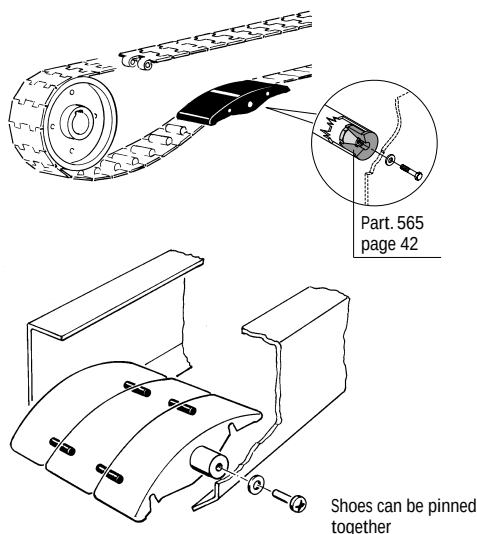
- **Linear expansion coefficient :** 2×10^{-4}
Calculation of thermal expansion see page 161.
- **Operating temperature :**
In air (-40 to + 80 °C).
In hot water (+ 70 °C).
- **Positioning :** see page 164.



• Positioning



• Assembly



• TableTop® chains / PlateTop chains

Fig. 39 - Chain width 82,5 mm (K 325)

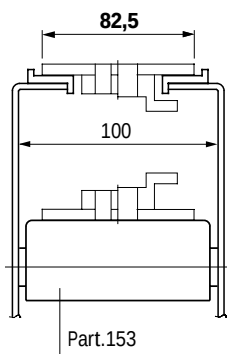
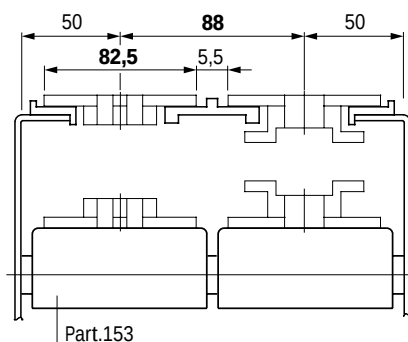
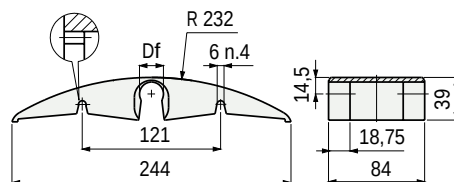


Fig. 40 - Chain width 82,5 mm (K 325) / Pitch 88 mm



■ Wear shoe



Part.	Shaft dia. mm	Bore dia. Df mm	Material	Code
18	18,5	18,5	Polyethylene PE (green)	608692N
153	20	20,5	Polyamide PA (black)	684221N
			Polyethylene PE (green)	684231N

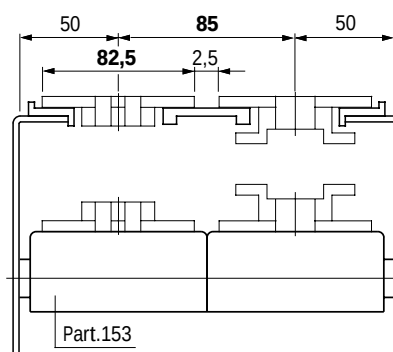
- Use : see Fig. 39-40-41.
- PE polyethylene (green) version can be used both with plastic chains and metal chains.
- PA polyamide (black) version is recommended for metal chains. **Not recommended** for plastic chains because of rapid wear of chain.
- Packaging : 15 pieces.

Part. 153



Snap-on assembly

Fig. 41 - Chain width 82,5 mm (K 325) / Pitch 85 mm

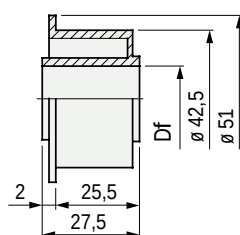


Part. 73



Dia. 42,5 mm

Roller



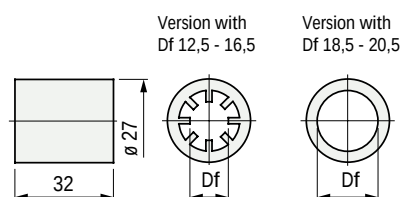
Part.	Shaft dia. mm	Bore dia. Df mm	Code
	12	12,5	50660*
73	16	16,5	62946
	18	18,5	50670*
	20	20,5	50680

- Use : see Fig. 42-43-44-45-46-47.
- Material : polyamide PA (black).
- Packaging : 100 pieces.

Part. 126



Separator



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

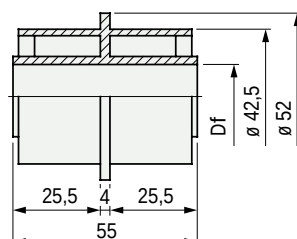
- Material : polyamide PA (black).
- Packaging : 100 pieces.

Part. 125



Dia. 42,5 mm

Double roller



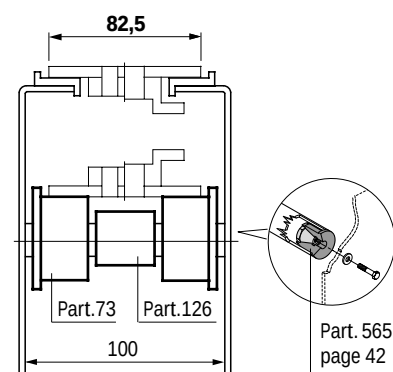
Part.	Shaft dia. mm	Bore dia. Df mm	Code
	12	12,5	62956*
125	16	16,5	62966
	18	18,5	62976*
	20	20,5	62510

- Use : see Fig. 44.
- Material : polyamide PA (black).
- Packaging : 100 pieces.

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

• TableTop® chains / PlateTop chains

Fig. 42 - Chain width 82,5 mm (K 325)



Part. 565
page 42

Fig. 43 - Chain width 114,3 mm (K 450)

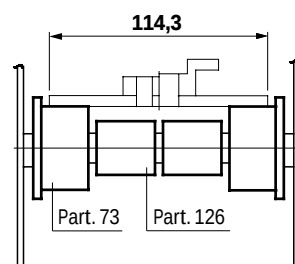


Fig. 44 - Chain width 82,5 mm (K 325) / Pitch 88 mm

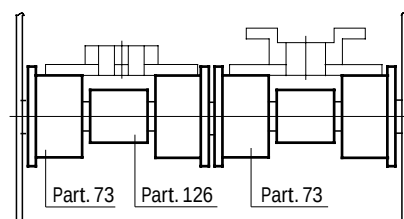
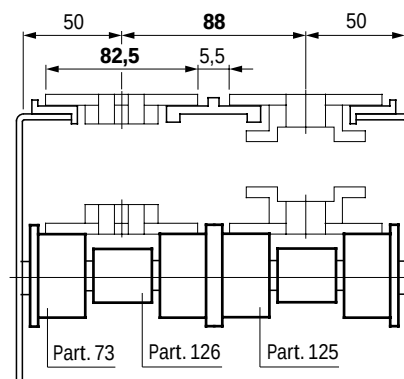


Fig. 45 - Chain width 114,3 mm (K 450) / Pitch 120 mm

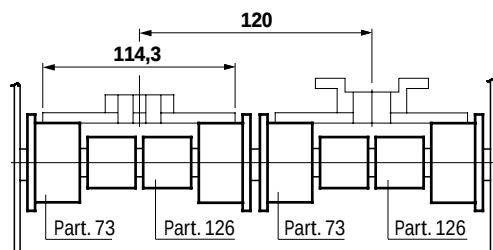


Fig. 46 - Chain width 82,5 mm (K 325) / Pitch 85 mm

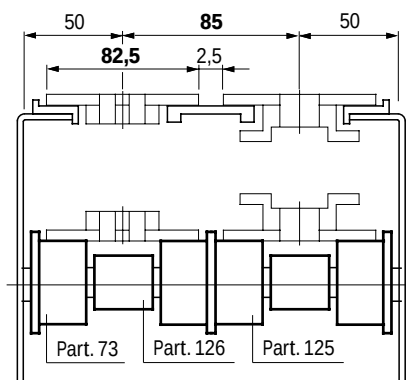


Fig. 47 - Chain width 82,5 mm (K 325) / Pitch 83,5 mm

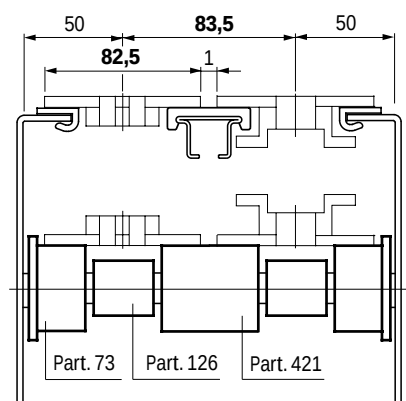
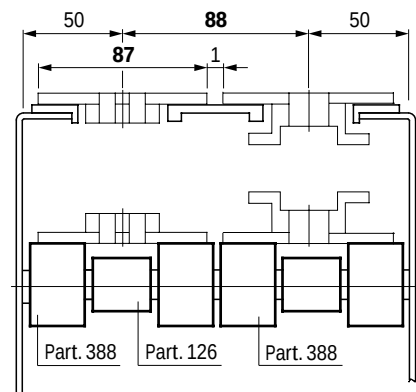
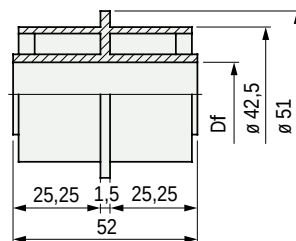


Fig. 48 - Chain width 87 mm (K 343) / Pitch 88 mm



Multi strand conveyors, with 82,5 mm width chains and pitch 88 mm, can be modified to convey PET bottles with petal 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 fig. 16, page 11.

Double roller



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

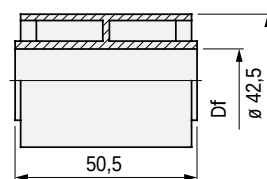
- Use : see Fig. 46.
- Material : polyamide PA (black).
- Packaging : 100 pieces.

Part. 125



Dia. 42,5 mm

Roller



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

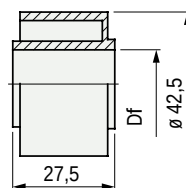
- Use : see Fig. 47.
- Material : polyamide PA (black).
- Packaging : 100 pieces.

Part. 421



Dia. 42,5 mm

Roller



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

- Use : see Fig. 48.
- Material : polyamide PA (black).
- Packaging : 100 pieces.

Part. 388



Dia. 42,5 mm

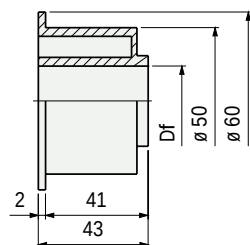
* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

Part. 561



Dia. 50 mm

Roller



Part.	Shaft dia mm	Bore dia Df mm	Code
561	15	15,5	697561*

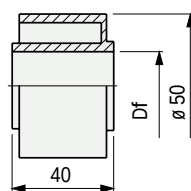
- Use : see Fig. 49-50-51-52-53.
- Material : polyamide PA (black).
- Packaging : 100 pieces.

Part. 560



Dia. 50 mm

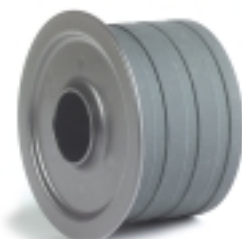
Roller



Part.	Shaft dia mm	Bore dia Df mm	Code
560	15	15,5	697551*

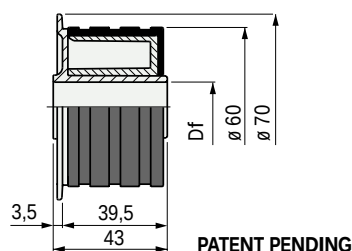
- Use : see Fig. 53.
- Material : polyamide PA (black).
- Packaging : 100 pieces.

Part. 614



Ø 60 mm

Roller (with rubber surface)



Part.	Shaft dia. mm	Bore dia. Df mm	Code
	15	15,5	615382
	16	16,5	615392
614	18	18,5	615402
	20	20,5	615412

- Use : see Fig. 54-55-56-57-58-59.
- Characteristics: completely closed design. 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.

TableTop® chains / PlateTop chains

Fig. 49 - Chain width 82,5 mm (K 325)

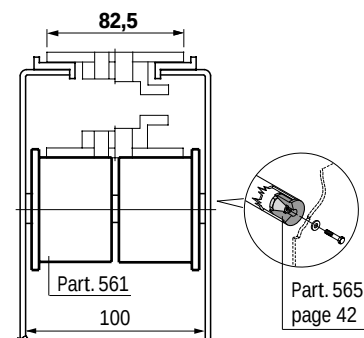


Fig. 50 - Chain width 114,3 mm (K 450)

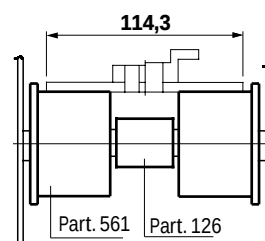


Fig. 51 - Chain width 82,5 mm (K 325) / Pitch 88 mm

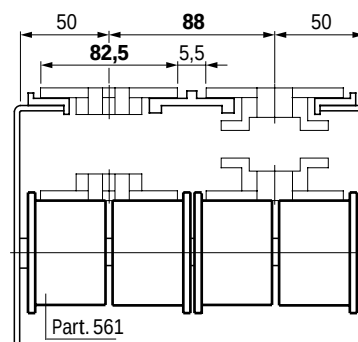


Fig. 52 - Chain width 114,3 mm (K 450) / Pitch 120 mm

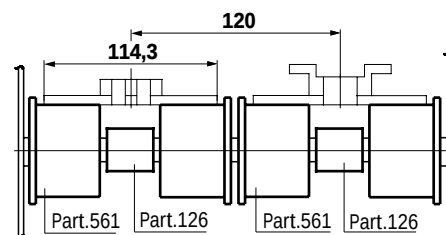
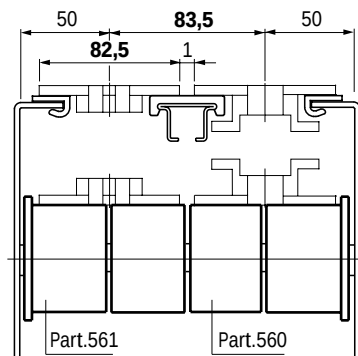


Fig. 53 - Chain width 82,5 mm (K 325) / Pitch 83,5 mm



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

• **TableTop® chains / PlateTop chains**

Fig. 54 - Chain width
82,5 mm (K 325)

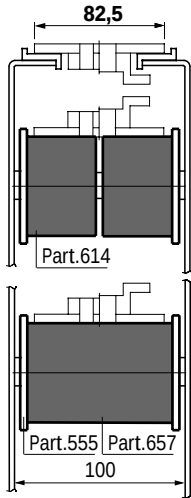


Fig. 55 - Chain width
114,3 mm (K 450)

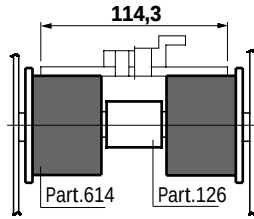


Fig. 56 - Chain width 82,5 mm (K 325) / Pitch 88 mm

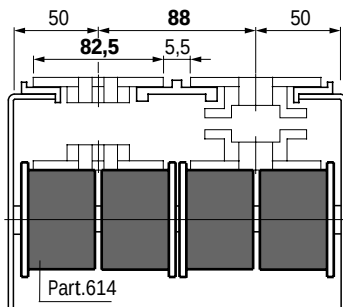


Fig. 57 - Chain width 82,5 mm (K 325) / Pitch 85 mm

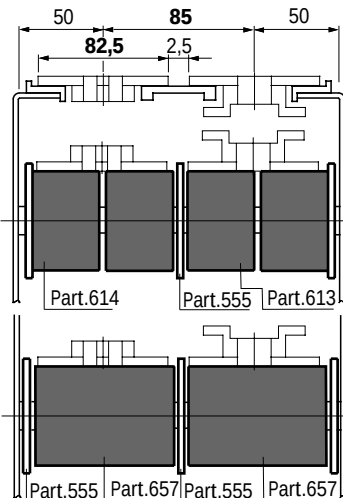


Fig. 58 - Chain width 82,5 mm (K 325) / Pitch 83,5 mm

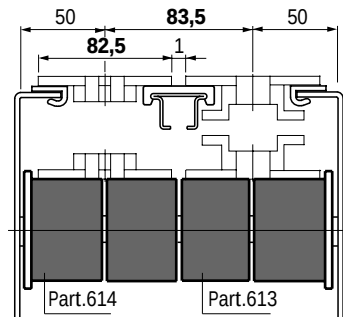
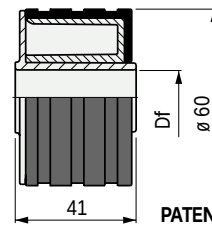


Fig. 59 - Chain width 114,3 mm (K 450) / Pitch 120 mm
See fig. 65 page 37

■ **Roller (with rubber surface)**

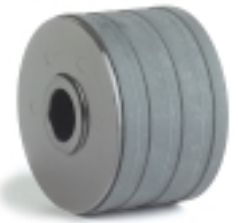


PATENT PENDING

Part.	Shaft dia. mm	Bore dia. Df mm	Code	
			With Microban®	Without Microban®
613	15	15,5	-	615342
	16	16,5	-	615352
	18	18,5	-	615362
	20	20,5	652012	615372

- Use : see Fig. 57 - 58 - 59/a.
- Characteristics: completely closed design. 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.

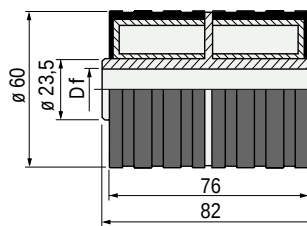
Part. 613



Dia. 60 mm



■ **Double roller (with rubber surface)**



PATENT PENDING

Part.	Ø albero mm	Ø foro Df mm	Codice
657	15	15,5	656992
	16	16,5	657002
	18	18,5	657012
	20	20,5	657022

- Use : see Fig. 54-57.
- Characteristics: completely closed design. 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.

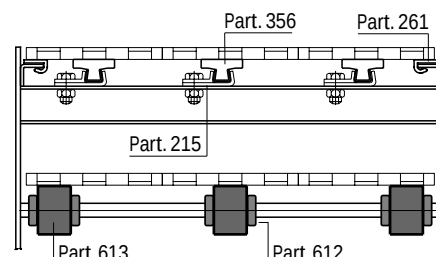
Part. 657



Ø 60 mm

• **MatTop® modular chains**

Fig. 59/a - Example of assembly of Part. 613 with MatTop® conveyors

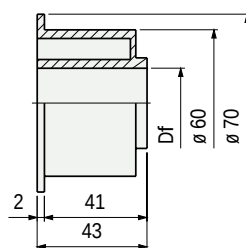


Part. 556



Dia. 60 mm

Roller



Part.	Shaft dia. mm	Bore dia. Df mm	Code
556	15	15,5	695221*
	16	16,5	695231
	18	18,5	695241*
	20	20,5	695251

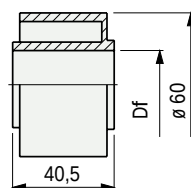
- Use : see Fig. 60-61-62-63-64-65.
- Material : self-lubricating polyamide PA (black).
- Packaging : 100 pieces.

Part. 554



Dia. 60 mm

Roller



Part.	Shaft dia. mm	Bore dia. Df mm	Code
554	15	15,5	695141*
	16	16,5	695151
	18	18,5	695161*
	20	20,5	695171

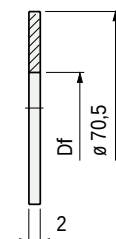
- Use : see Fig. 63-64.
- Material : self-lubricating polyamide PA (black).
- Packaging : 100 pieces.

Part. 555



For Part. 554-613

Guide flange



Part.	Shaft dia. mm	Bore dia. Df mm	Code
555	15	15,2	695181*
	16	16,2	695191
	18	18,2	695201*
	20	20,2	695211

- Use : see Fig. 63.
- Assembly : to be applied to rollers Part. 554-613.
- Material : self-lubricating polyamide PA (black).
- Packaging : 100 pieces.

• TableTop® chains / PlateTop chains

Fig. 60 - Chain width 82,5 mm (K 325)

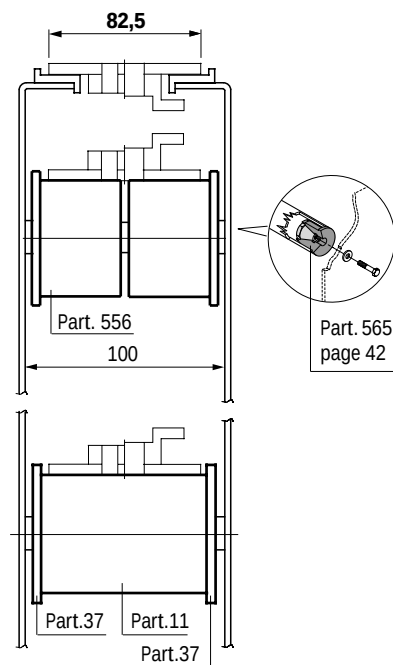


Fig. 61 - Chain width 114,3 mm (K 450)

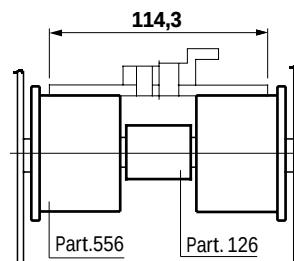
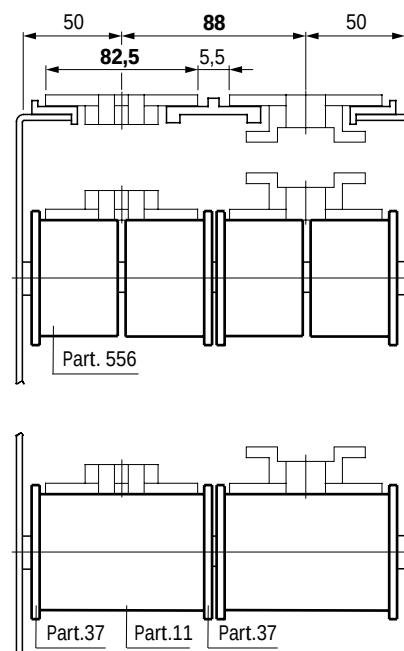


Fig. 62 - Chain width 82,5 mm (K 325) / Pitch 88 mm



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

Fig. 63 - Chain width 82,5 mm (K 325) / Pitch 85 mm

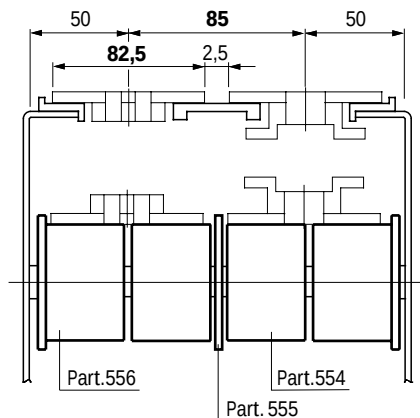


Fig. 64 - Chain width 82,5 mm (K 325) / Pitch 83,5 mm

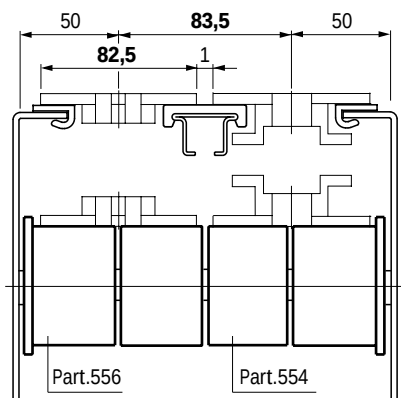


Fig. 65 - Chain width 114,3 mm (K 450) / Pitch 120 mm

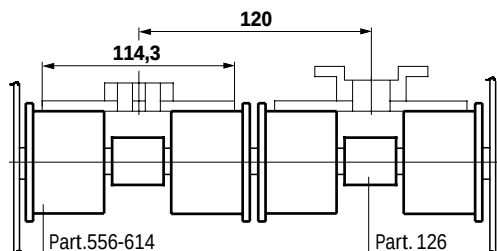
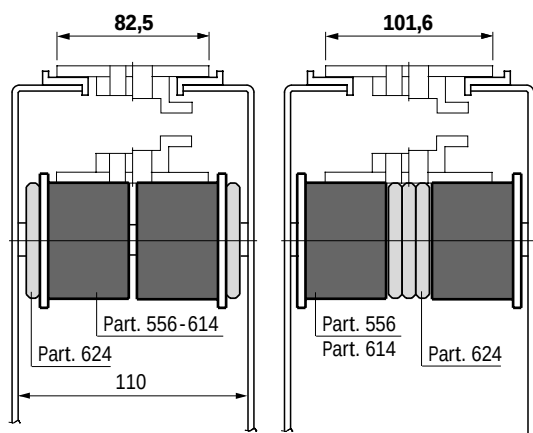
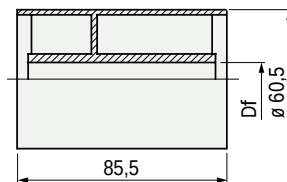


Fig. 66 - Chain width 82,5 mm (K 325); 101,6 mm (K 400)



Roller



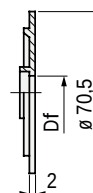
Part.	Shaft dia mm	Bore dia Df mm	Code
11	14	14,5	50690
	16	16,5	611012*

- Use : see Fig. 60-62.
- Material : polyamide PA (black).
- Packaging : 50 pieces.



Dia. 60 mm

Guide flange

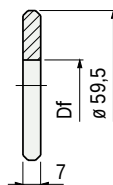


Part.	Shaft dia mm	Bore dia Df mm	Code
37	14	14,5	50700
	16	16,5	611022*

- Use : see Fig. 60-62.
- Material : polyamide PA (black).
- Assembly : by pressure on the centre hole.
- Packaging : 100 pieces.



Separator



Part.	Shaft dia mm	Bore dia Df mm	Code
624	20	20,2	619412

- Use : see Fig. 66.
- Assembly : to be applied to rollers Part. 556-614.
- Material : polyethylene PE (white).
- Packaging : 100 pieces.



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

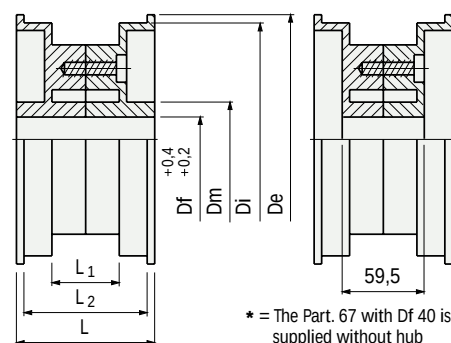
Part. 67-22-74



Rollers

Part. 67 (Df 30) - 22 - 74

Part. 67 (Df 40)

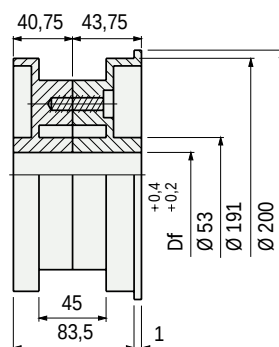


Part.	De mm	Di mm	Dm mm	L1 mm	L2 mm	L mm	Bore dia. Df mm	Code
67	167	156	41 *	50	84,5	87,5	30	50580
							40	50590
22	200	191	53	45	85,5	87,5	30	63840
							40	50630 *
74	200	191	53	62	102,5	105,5	30	50640
							40	50650 *

- Use : Part. 67 see Fig. 66-67. Part. 22 see Fig. 67-68-69. Part. 74 see Fig. 70.
- 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).

Rollers

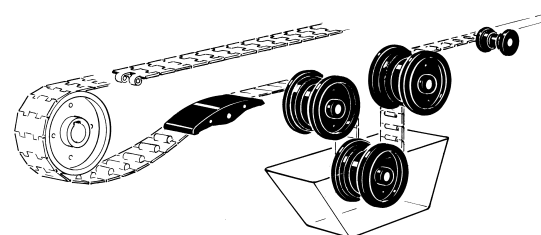
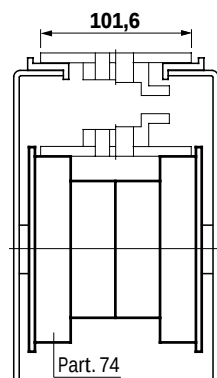
Part. 22 M



Part.	Bore dia. Df mm	Code	Weight Kg
22 M	30	64507	0,49

- Use : see Fig. 69.
- Material : roller in polyamide PA (black), screws in zinc plated steel.
- Packaging : 20 pieces.

Fig. 70 - Chain width 101,6 mm (K 400)



TableTop® chains

Fig. 67 - Chain width 82,5 mm (K 325)

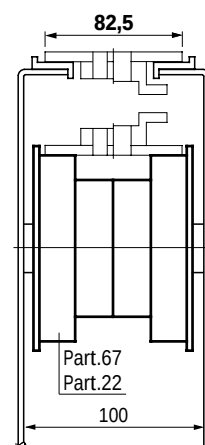


Fig. 68 - Chain width 82,5 mm (K 325) / Pitch 88 mm

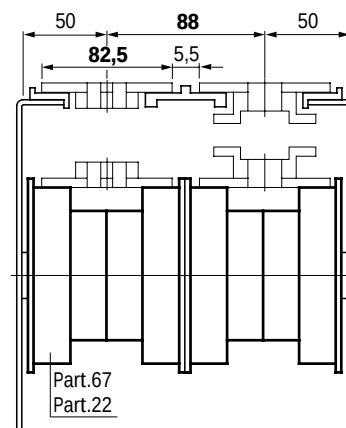
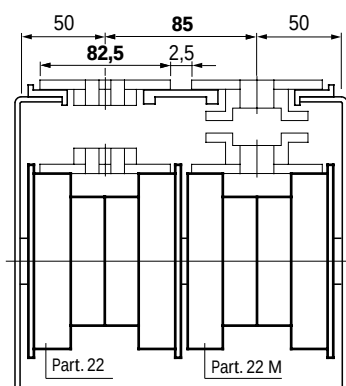
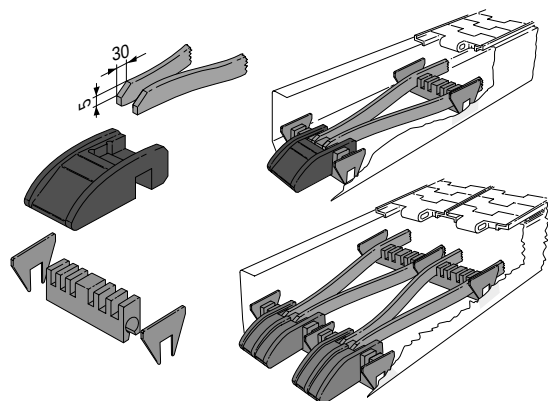


Fig. 69 - Chain width 82,5 mm (K 325) / Pitch 85 mm

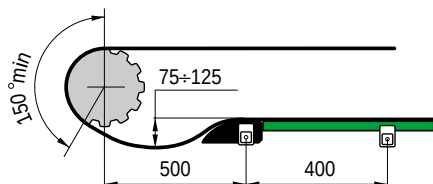


- The schedule of Fig. 69 is meant for 2 track conveyors.
- With 3 track conveyors: use 1 Part. 22 and 2 Part. 22 M.
- With 4 track conveyors: use 1 Part. 22 and 3 Part. 22 M, etc.

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



• **Positioning**



• **TableTop® chains / PlateTop chains**

Fig. 71 - Chain width 82,5 mm (K 325)

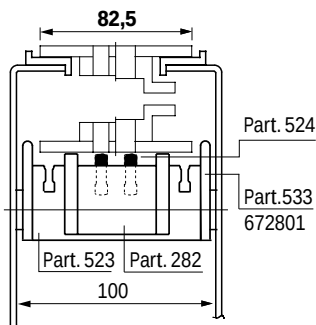


Fig. 72 - Chain width 82,5 mm (K 325) / Pitch 88 mm

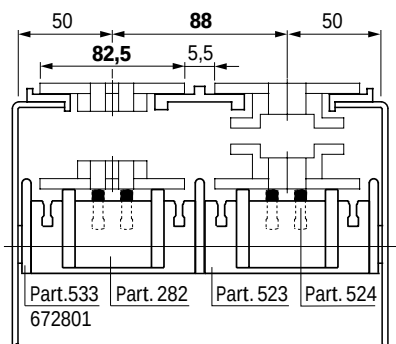
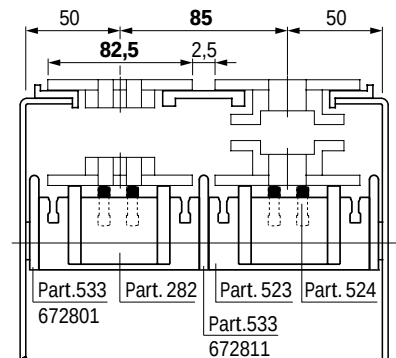
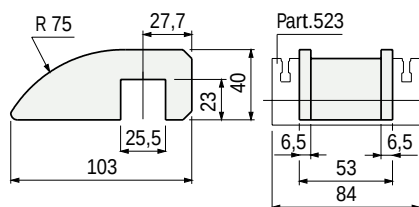


Fig. 73 - Chain width 82,5 mm (K 325) / Pitch 85 mm



■ **Chain return guide**



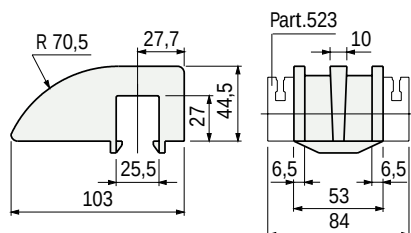
Part.	Material	Code	Weight Kg
282	Polyethylene UHMWPE (black) 1.000.000	66991*	0,11

- Use : see Fig. 71-72-73-74.
- Applicable to spacers Part. 523.
- Assembly : press-fit. Interference fixed.
- Packaging : 10 pieces.

Part. 282



■ **Chain return guide**



Part.	Material	Code	Weight Kg
282	Polyamide PA (black)	60615	0,06

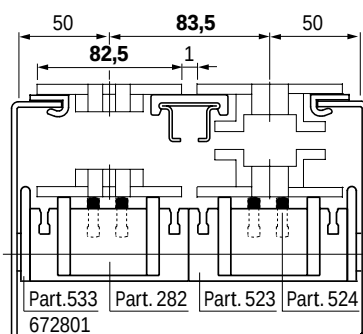
- Use : see Fig. 71-72-73-74.
- Applicable to spacers Part. 523.
- Snap-on assembly.
- Economical version.
- Packaging : 50 pieces.

Part. 282



Snap-on assembly

Fig. 74 - Chain width 82,5 mm (K 325) / Pitch 83,5 mm



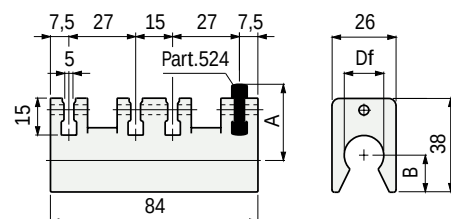
* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

Part. 523



Snap-on assembly for round profiles

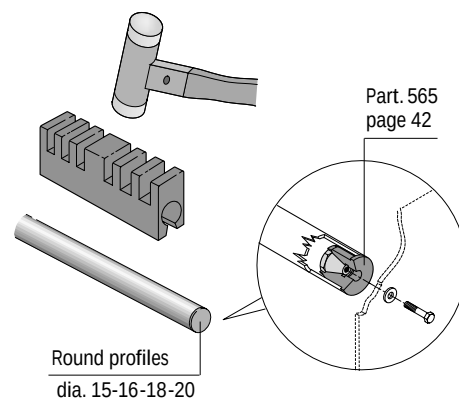
■ Spacer



Part.	Shaft dia mm	Bore dia Df mm	A mm	B mm	Code	Weight Kg
	15	15,2	28	15,5	643461*	
	16	16,2	28,5	15	643471*	
523	18	18,2	29,9	14	643481*	0,04
	20	20,4	30,5	13	643491	

- Use : see Fig. 75-76-77-78.
- Material : polyamide PA (black).
- Packaging : 100 pieces.

• Snap-on assembly on round steel profiles

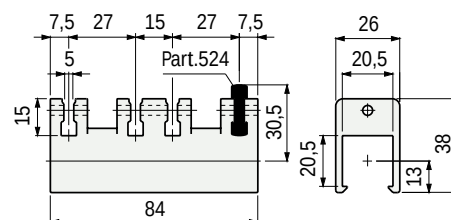


Part. 523



Snap-on assembly for square profiles

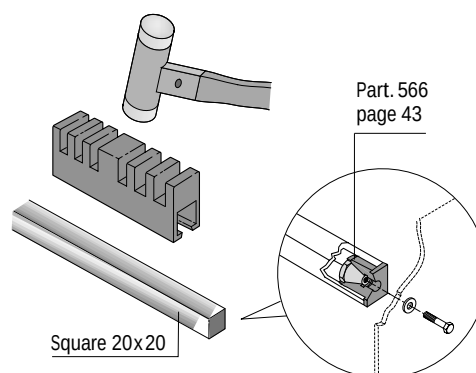
■ Spacer



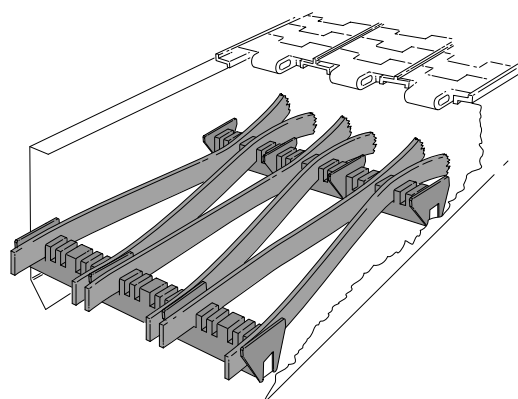
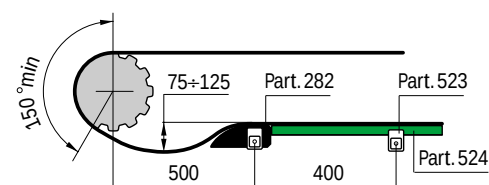
Part.	Square shaft mm	Code	Weight Kg
523	20x20	643451	0,03

- Use : see Fig. 75-76-77-78.
- Material : polyamide PA (black).
- Packaging : 100 pieces.

• Snap-on assembly on square



• Positioning



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

• TableTop® chains / PlateTop chains

Fig. 75 - Chain width 82,5 mm (K 325)

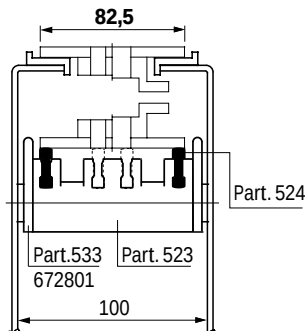


Fig. 76 - Chain width 82,5 mm (K 325) / Pitch 88 mm

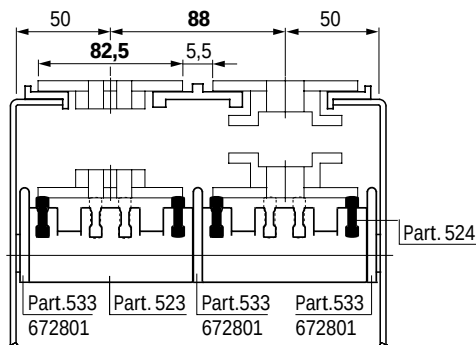


Fig. 77 - Chain width 82,5 mm (K 325) / Pitch 85 mm

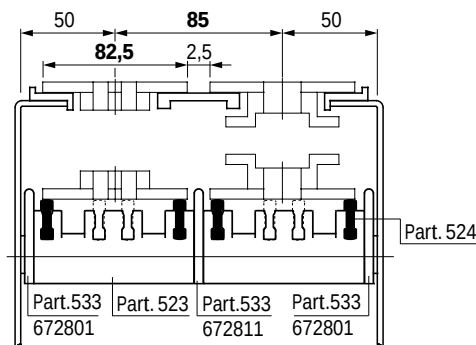
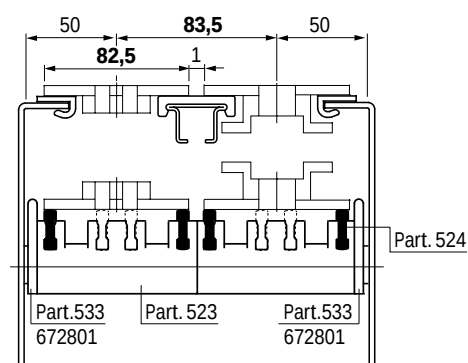
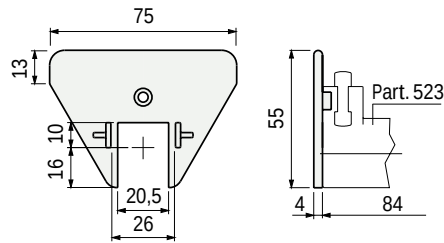


Fig. 78 - Chain width 82,5 mm (K 325) / Pitch 83,5 mm



■ **Striker**



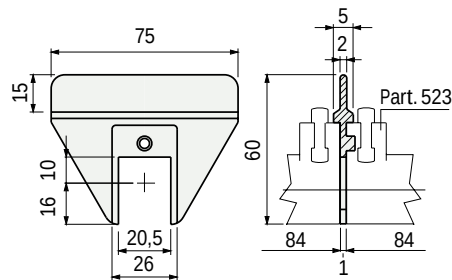
Part.	Code	Weight Kg
533	672801	0,01

- Use : see Fig. 75-76-77-78.
- Applicable to spacers Part. 523. Snap-on assembly.
- Material : polyamide PA (black).
- Packaging : 100 pieces.

Part. 533



■ **Striker (centre)**



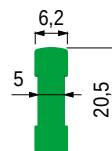
Part.	Code	Weight Kg
533	672811*	0,01

- Use : see Fig. 77.
- 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

- Use : see Fig. 75-76-77-78.
- Applicable to spacers Part. 523. Snap-on assembly.
- Standard packaging : coil.
- Packaging : 70 metres.

Part. 524

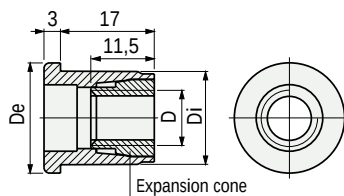


* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

Part. 565



for round tubes dia. 18-20 mm



Tube dimensions						
Part.	Outside dia. mm	Thickness mm	Inside dia. mm	Thread D	De mm	Di mm
565	18	1,5	15	M8	18	15
	2	2	14	M6	18	14
	20	1,5	17	M8	20	17
				M10	20	17
						Code
						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.

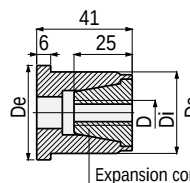
Part. 179



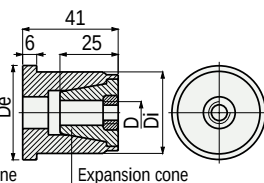
for round tubes dia. 38-42,4 mm

Expansion plugs

Expansion cone in brass



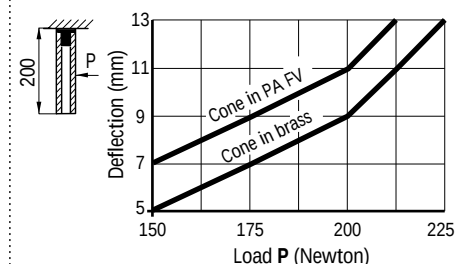
Expansion cone in reinforced polyamide PA FV



Tube dimensions							
Part.	Outside dia. mm	Thickness mm	Inside dia. mm	Thread D	De mm	Di mm	Code
• Expansion cone in brass							
179	38	1,5	35	M8	40	34,8	69513
				M10	40	34,8	69523
	42,4	1,5	39,4	M8	44,5	39,2	69533
				M10	44,5	39,2	69543
• Expansion cone in reinforced polyamide PA FV							
179	38	1,5	35	M8	40	34,8	54881
				M10	40	34,8	52641*
	42,4	1,5	39,4	M8	44,5	39,2	54891
				M10	44,5	39,2	52651*

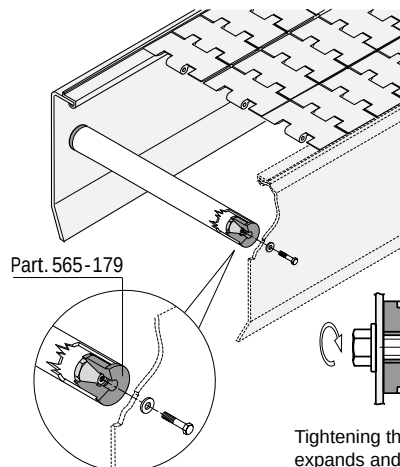
- Material : plug in reinforced polyamide PA (black), expansion cone in brass or in reinforced polyamide PA FV.
- Weight : 0,10 Kg.
- Packaging : 50 pieces.
- Max recommended tightening torque : 2,5 Kgm (for M8), 4 Kgm (for M10).

Deflection of Part. 179



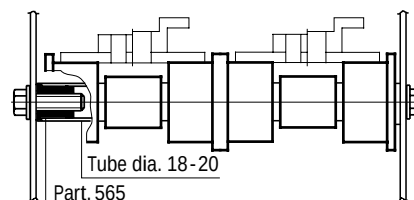
* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

Assembly Part. 565 - 179

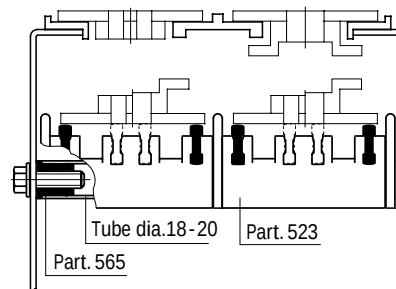


Tightening the bolt the plug expands and stays firmly in the tube

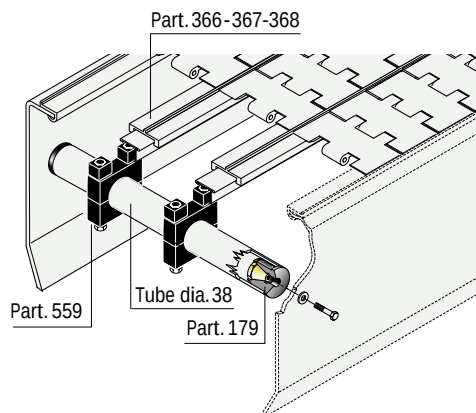
Application example of Part. 565 for return chain rollers



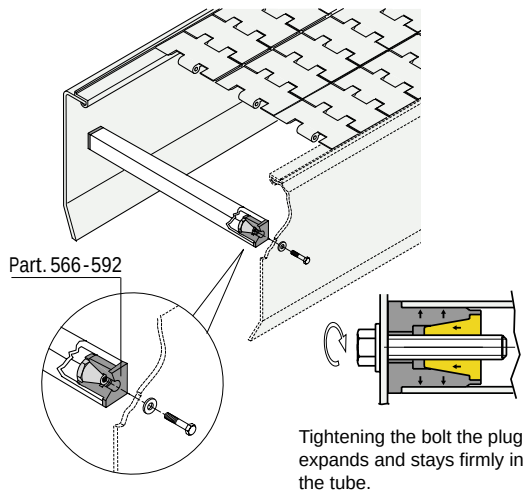
Application example of Part. 565 for serpentine return



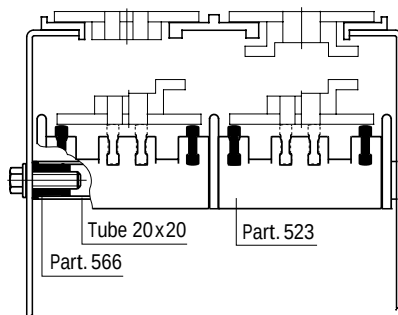
Application example of Part. 179 for supporting chain guide profile Part. 366-367-368



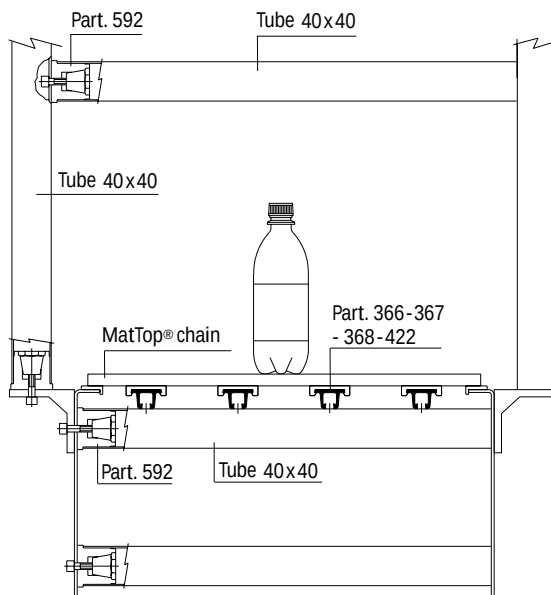
• **Assembly** Part. 566 - 592



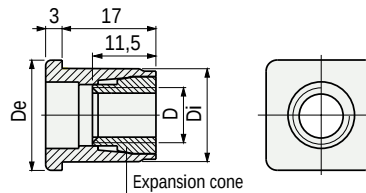
• **Application example** of Part. 566 for serpentine return



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



■ **Expansion plugs**



Tube dimensions						
Part.	Outside mm	Thickness mm	Inside mm	Thread D	De mm	Di mm
566	20x20	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

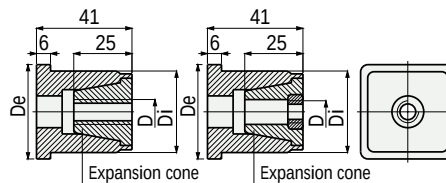


for square tubes 20 mm

■ **Expansion plugs**

Expansion cone in brass

Expansion cone in reinforced polyamide PA FV



Tube dimensions							
Part.	Outside mm	Thickness mm	Inside mm	Thread D	De mm	Di mm	Code
• Expansion cone in brass							
592	40x40	1,5/2	37/36	M8	42	36	609442
				M10	42	36	609462
		2,5/3	35/34	M8	42	34	609482
				M10	42	34	609502
• Expansion cone in reinforced polyamide PA FV							
592	40x40	1,5/2	37/36	M8	42	36	609452
				M10	42	36	609472
		2,5/3	35/34	M8	42	34	609492
				M10	42	34	609512

- 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 square tubes 40 mm

SIDE MOUNTING TOP BRACKETS



Part. 416 - Page 46
Side mounting top bracket for tubes dia. 33,7.



Part. 199 - Page 46
Side mounting top bracket for tubes dia. 48,3 and 38-40.



Part. 168 - Page 47
Side mounting top bracket for tubes dia. 48,3 and 40.



BEARING HEADS



Part. 415 - Page 48
Bearing heads for tubes dia. 33,7.



Part. 198 - Page 48
Bearing heads for tubes dia. 48,3 and 38-40.



Part. 280 - Page 49
Bearing heads for tubes dia. 48,3-60,3.



Part. 141 - Page 49
Bearing heads for tubes dia. 60,3.

SUPPORT BASES



Part. 615 - Page 50
Support bases for tubes dia. 38,1-42,4-48,3-50,8-60,3.



Part. 418 - Page 51
Support bases for tubes dia. 33,7.



Part. 618 - Page 52
Support bases for tubes dia. 38,1-42,4-48,3-50,8-60,3.



Part. 611 - Page 52
Support bases for square tubes 40-50-60.
In due metà



Part. 419 - Page 53
Support bases for tubes dia. 33,7.



Part. 420 - Page 51-53
Reduction bush for Part. 418 - 419. For tubes dia. 26,9.



Part. 619 - Page 54
Support bases for tubes dia. 42,4-48,3-50,8-60,3.



Part. 616 - Page 54
Support bases for tubes dia. 42,4-48,3-50,8-60,3.



Part. 119 B - Page 55
Support bases for tubes dia. 42,4-48,3-60,3.



Part. 124 - Page 55
Reduction bush for Part. 119 B
For tubes dia. 42,4-48,3-50-50,6.



Part. 146 - Page 55
Reduction bush for Part. 119 B. For tubes dia. 48,3.



CONNECTING JOINTS



Part. 562 - Page 56
Connecting joint for tubes dia. 33,7-38,1-42,4-48,3.



Part. 563 - Page 56
Connecting joint for tubes dia. 50,8-60,3.



Part. 564 - Page 57
Connecting joint for square tubes 38-40-45-50.



Part. 417 - Page 58
Connecting joint for tubes dia. 33,7.



Part. 454 - Page 58
Connecting joint for tubes dia. 42,4.

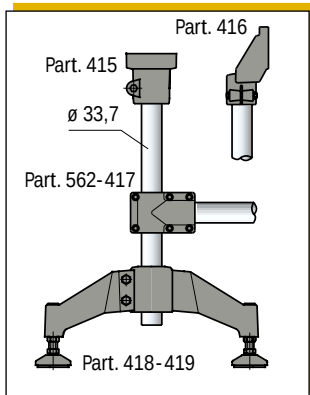


Part. 137 - Page 59
Connecting joint for tubes dia. 48,3-60,3.

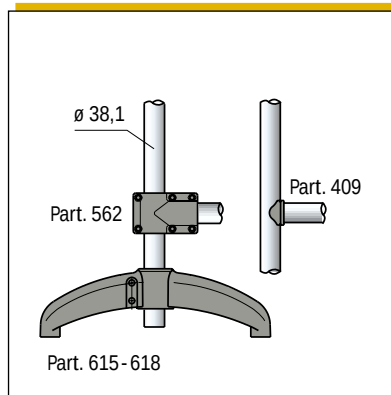


Part. 409 - Page 60
Connecting joint for tubes dia. 38-42,4-48,3-60,3.

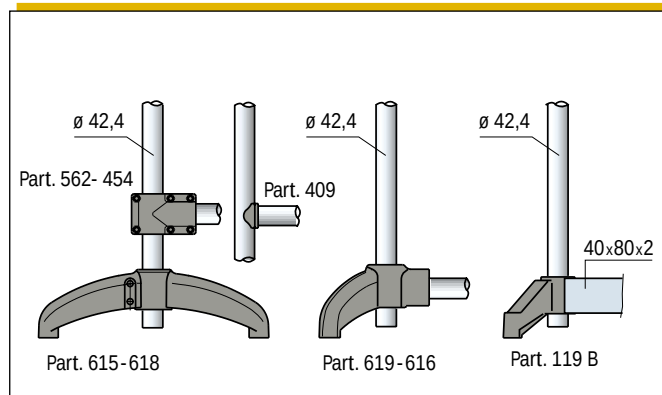




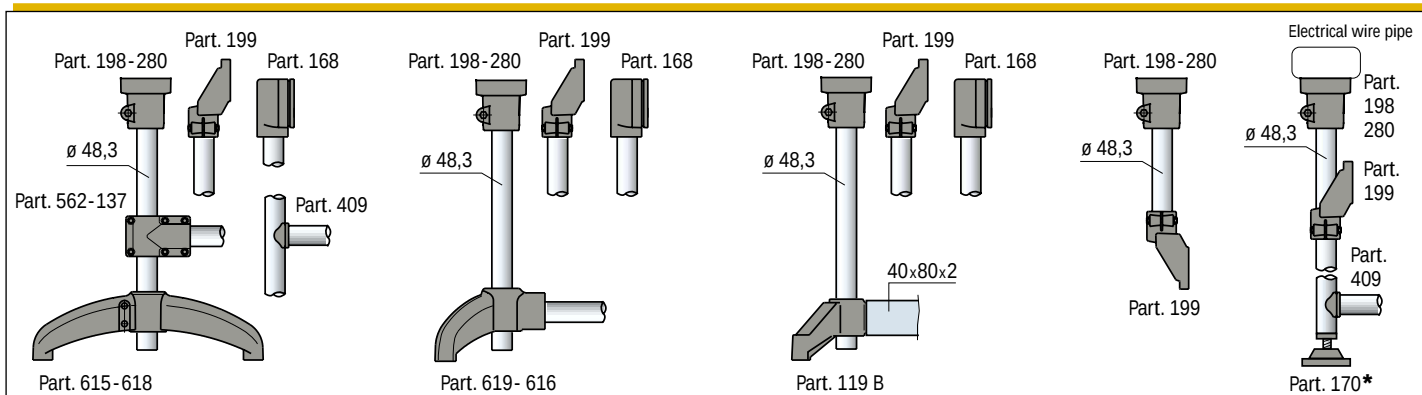
For round tubes dia. 33,7 (1")



For round tubes dia. 38,1

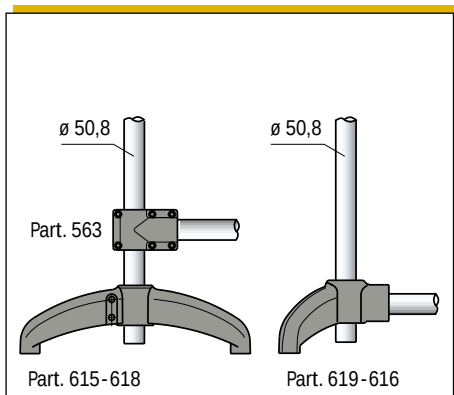


For round tubes dia. 42,4 (1 1/4")

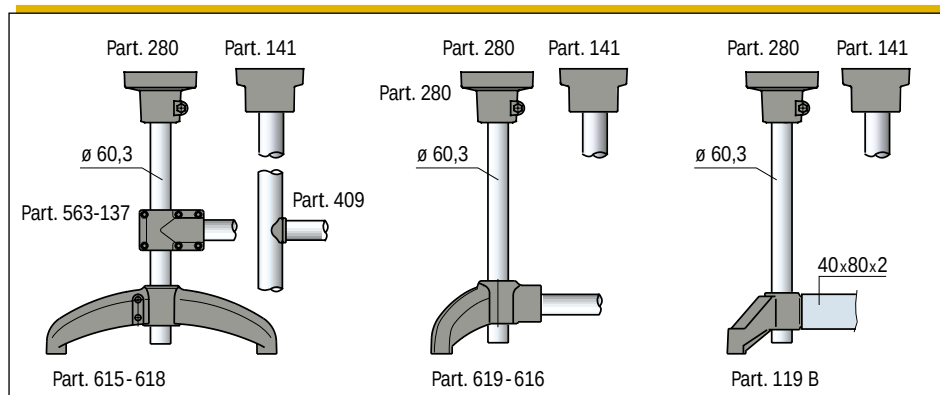


For round tubes dia. 48,3 (1 1/2")

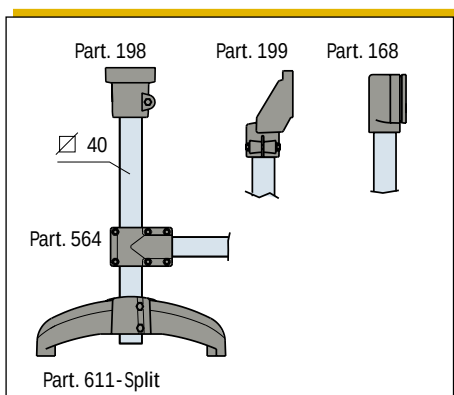
* = See catalogue ROBO



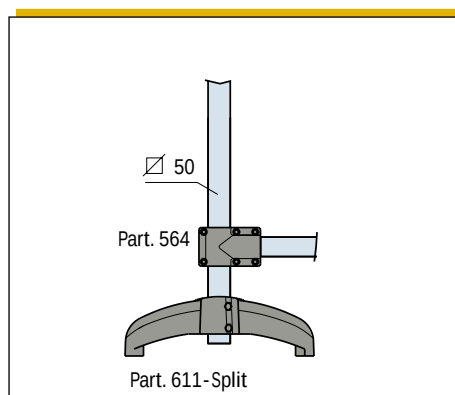
For round tubes dia. 50,8



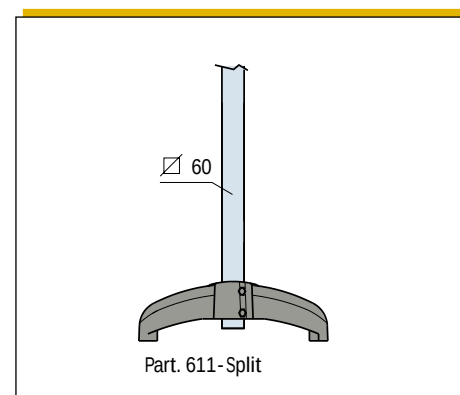
For round tubes dia. 60,3 (2")



For square tubes 40x40

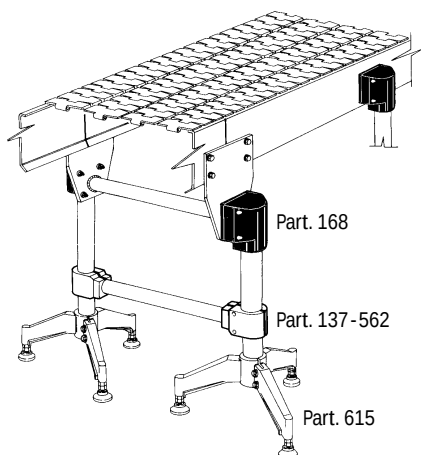


For square tubes 50x50

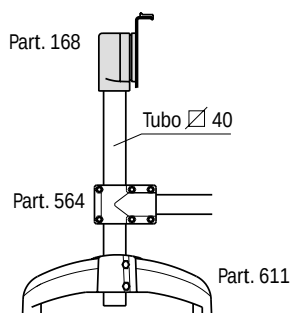


For square tubes 60x60

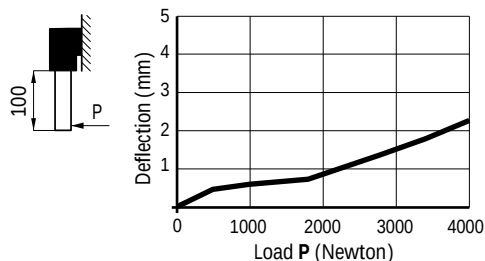
• **Assembly of Part. 168 (with round tubes)**



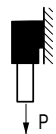
• **Assembly of Part. 168 (with square tubes)**



• **Deflection of Part. 168**



• **Sliding load**



With tubes Ø48,3 (P = 1900 N)
With tubes 40 (P = 3100 N)

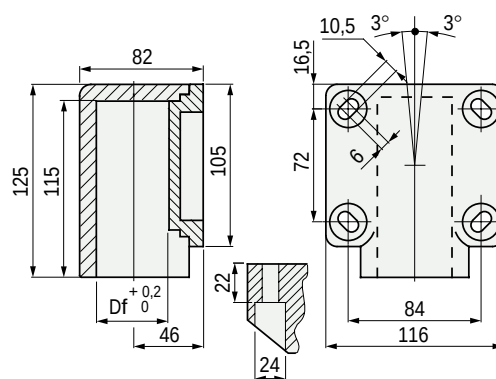
• **Breaking load**



P = 22300

Tests performed at tightening torque : 2 Kgm

■ **Side mounting top bracket**



For round and square tubes

Part.	Tube dimensions mm	Bore Df mm	Code
168	dia. 48,3 (1" 1/2)	dia. 48,3	50451
	40x40	40	611672

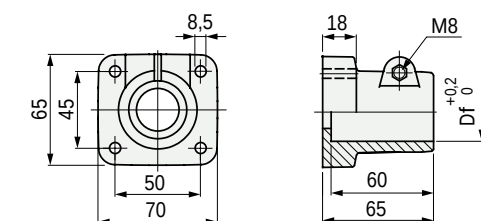
- Material : reinforced polyamide PA FV (black).
- Weight : 0,42 Kg.
- Max recommended tightening torque : 2,5 Kgm.
- Packaging : 8 pieces.

Part. 415



For round tubes

Bearing head



Part.	Tube dia. mm	Bore dia. Df mm	Bolts material	Code
415	33,7 (1")	33,7	AISI 304	69658

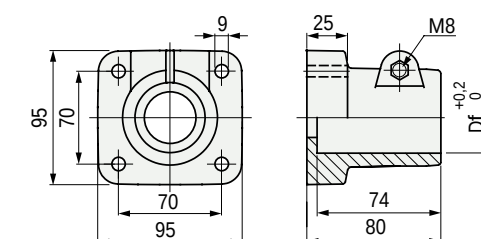
- Material : reinforced polyamide PA FV (black).
- Weight : 0,12 Kg.
- Max recommended tightening torque : 2 Kgm.
- Packaging : 24 pieces.

Part. 198



For round and square tubes

Bearing head



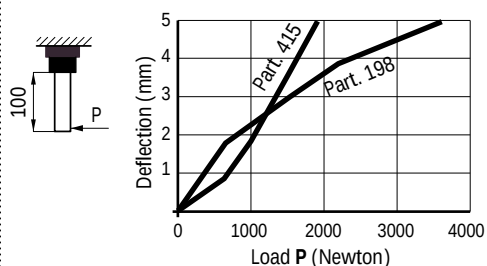
Part.	Tube dimensions mm	Bore Df mm	Bolts material	Code
	dia. 48,3 (1" 1/2)	dia. 48,3	AISI 304	59161
198	38x38	38	AISI 304	611602
			Zinc plated steel	611682
	40x40	40	AISI 304	611612
			Zinc plated steel	611692

- Material : reinforced polyamide PA FV (black).
- Weight : 0,30 Kg.
- Max recommended tightening torque : 2 Kgm.
- Packaging : 24 pieces.

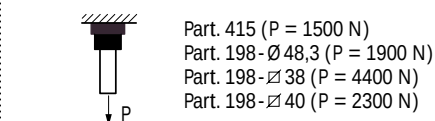
Assembly of Part. 415



Deflection of Part. 415 - 198

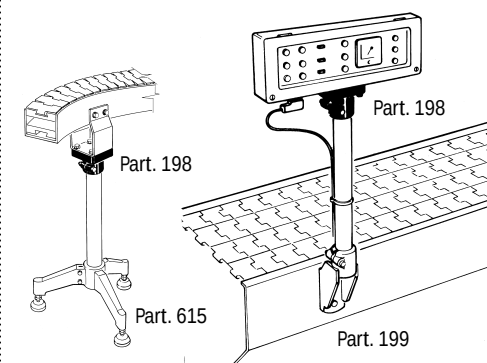


Sliding load resistance

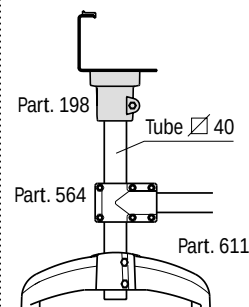


Tests performed at tightening torque : 2 Kgm

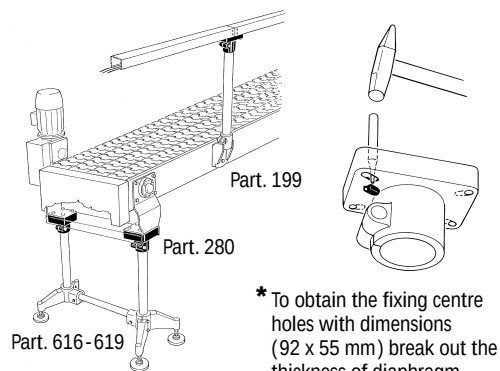
Assembly of Part. 198 (with round tubes)



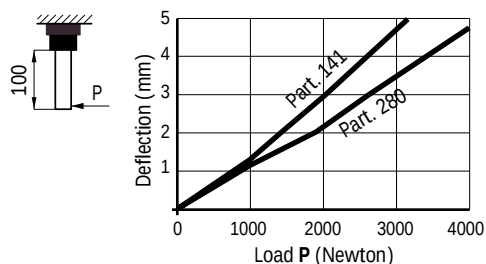
Assembly of Part. 198 (with square tubes)



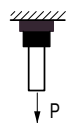
• **Assembly of Part. 280**



• **Deflection of Part. 280 - 141**



• **Sliding load resistance**

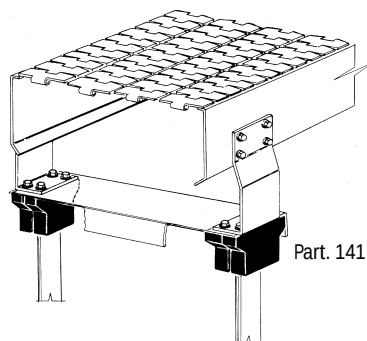


Part. 280 (P = 1900 N)
Part. 141 (P = 5800 N)

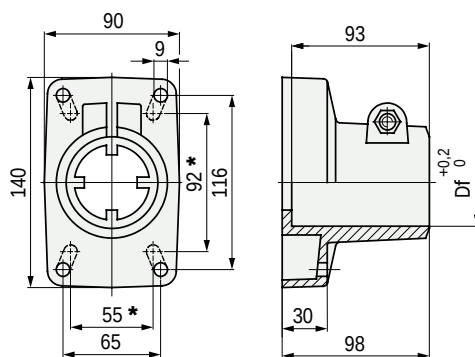
Tests performed at tightening torque :

- 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
280	48,3 (1" 1/2)	48,3	AISI 304	63503
	60,3 (2")	60,3	AISI 304	66781

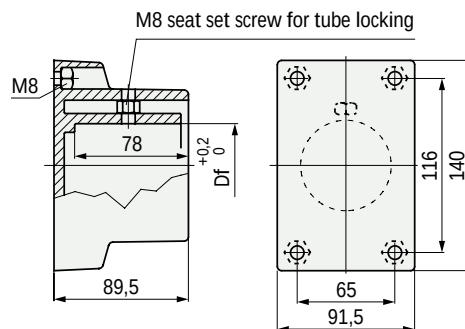
- Material : reinforced polyamide PA FV (black).
- Weight : 0,40 Kg.
- Max recommended tightening torque : 3,5 Kgm.
- Packaging : 8 pieces.

Part. 280



For round tubes

■ **Bearing head**



Part.	Tube dia. mm	Bore dia. Df mm	Code
141	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



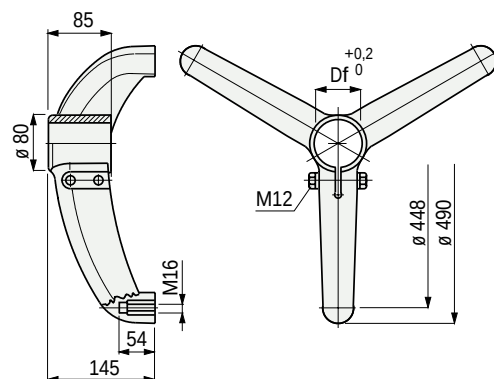
For round tubes

Part. 615



For round tubes

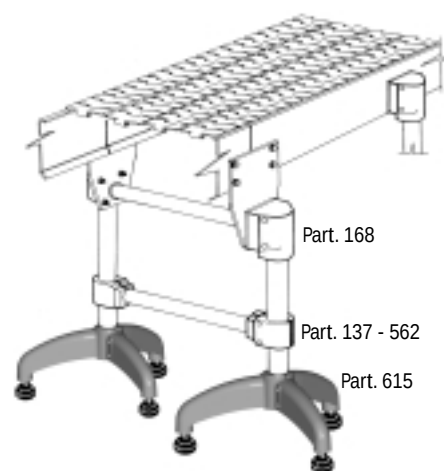
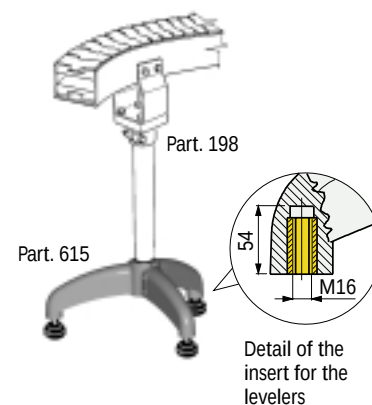
Support base (tripod)



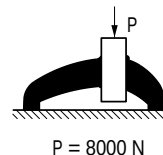
Part.	Tube dia. mm	Bore dia. Df mm	Code
• Bolts in stainless steel AISI 304			
615	38,1	38,1	624242
	42,4 (1" 1/4)	42,4	624252
	48,3 (1" 1/2)	48,3	624262
	50,8	50,8	624272
615	60,3 (2")	60,3	621522
• Bolts in zinc plated steel			
615	38,1	38,1	638742
	42,4 (1" 1/4)	42,4	638752
	48,3 (1" 1/2)	48,3	638762
	50,8	50,8	638772
615	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

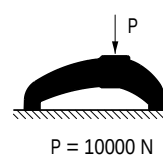


Sliding load resistance



$P = 8000 \text{ N}$

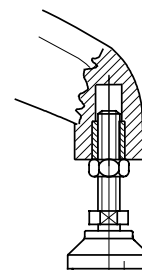
Max applicable load



$P = 10000 \text{ N}$

Tests performed at tightening torque : 3,6 Kgm

Types of levelers that can be used



Please refer to **ROBO®** catalogue for dimensions and characteristics

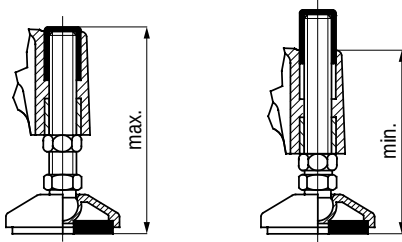
Part. 98-132-133-172-323

• **Assembly of Part. 418**

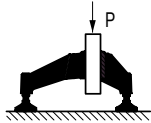


• **Protective cap**

prevents entry of dirt and protects thread.
During adjustment of the foot, the protective cap follows the movement of the spindle.

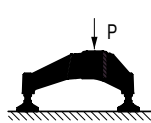


• **Sliding load resistance**



$P = 3600 \text{ N}$

• **Max applicable load**

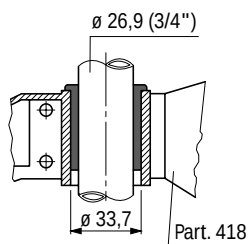


$P = 7000 \text{ N}$

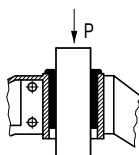
Tests performed at tightening torque : 2 Kgm

• **Assembly Part. 420**

When applied on Part. 418
this can be used with
dia. 26,9 mm tubes
(3/4" pipes).



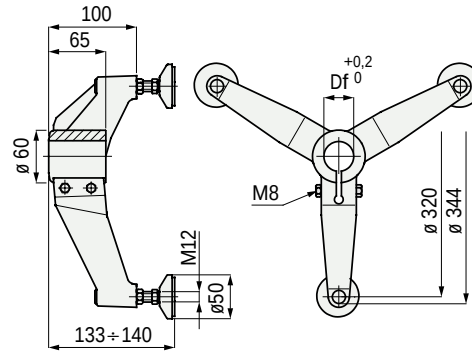
• **Sliding load resistance**



$P = 3200 \text{ N}$

Tests performed at tightening torque : 2 Kgm

■ **Support base (tripod)**



Part.	Tube dia. mm	Bore dia. Df mm	Bolts material	Code
418	33,7 (1")	33,7	AISI 304	614201

- Material : support base and foot plate in reinforced polyamide PA FV (black). Spindle in stainless steel AISI 303. Protective spindle cap in polyamide PA (black). Nickel plated brass threaded bushings. Anti-slip disc in black NBR rubber (70 shore).
- Weight : 0,81 Kg.
- Max recommended tightening torque : 2 Kgm.
- Packaging : 8 pieces.

Part. 418

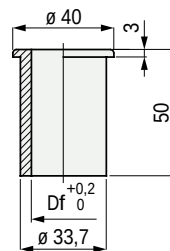


For round tubes

Accessories

Part. 420

■ **Reduction bushing**



Part.	Tube dia. mm	Bore dia. Df mm	Code	Weight Kg
420	26,9 (3/4'')	26,9	63108*	0,02

- Material : polyamide PA (black).
- Packaging : 24 pieces.



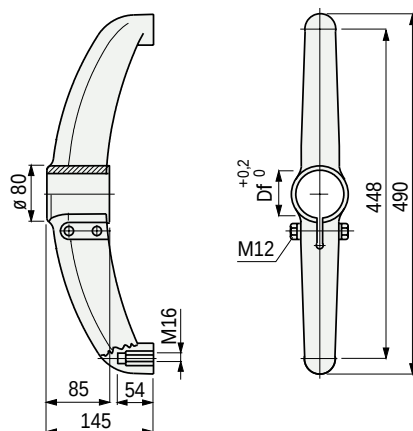
* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

Part. 618



For round tubes

Support base (bipod)



Part.	Tube dia. mm	Bore dia. Df mm	Code
-------	--------------	-----------------	------

• Bolts in stainless steel AISI 304

	38,1	38,1	624282
	42,4 (1" 1/4)	42,4	624292
618	48,3 (1" 1/2)	48,3	624302
	50,8	50,8	624312
	60,3 (2")	60,3	624322

• Bolts in zinc plated steel

	38,1	38,1	638792
	42,4 (1" 1/4)	42,4	638802
618	48,3 (1" 1/2)	48,3	638812
	50,8	50,8	638822
	60,3 (2")	60,3	638832

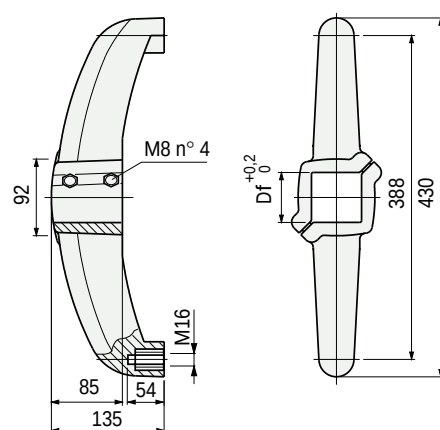
- Material : support base in reinforced polyamide PA FV (black), brass threaded bushings.
- Weight : 1,05 Kg.
- Max recommended tightening torque : 3,6 Kgm.
- Packaging : 12 pieces.

Part. 611



For square tubes

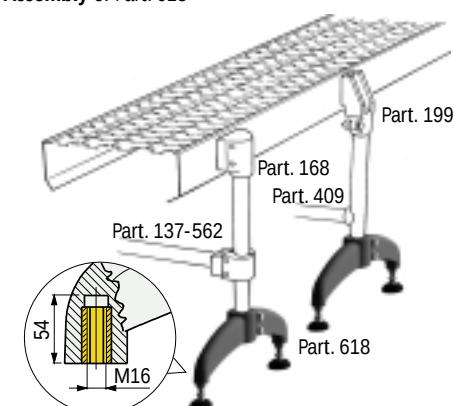
Support base (bipod)



Part.	Tube dimensions mm	Bore Df mm	Code	
			Closed version	Open version
	40 x 40	40	615542	616082
611	50 x 50	50	615552	616092
	60 x 60	60	615562	616102

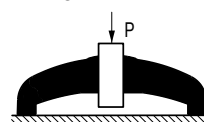
- Material : support base in reinforced polyamide PA FV (black), bolts in stainless steel AISI 304, tightening bushes in nickel plated brass, brass threaded bushings.
- Max recommended tightening torque : 2,5 Kgm.
- Weight : 0,9 Kg.
- Packaging : 10 pieces (20 half bases).

• Assembly of Part. 618



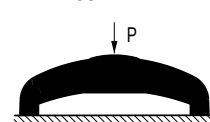
Detail of the insert for the levelers

• Sliding load resistance



Part. 618 (P = 8000 N)
 Part. 611 (P = 8000 N)

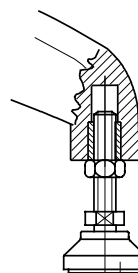
• Max applicable load



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)

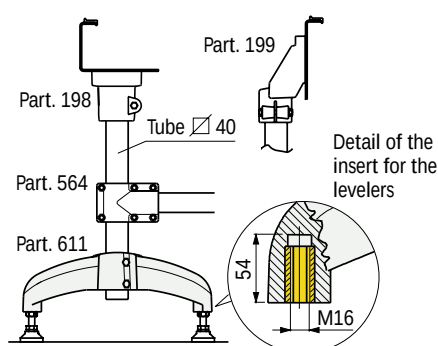
• Types of levelers that can be used



Please refer to
ROBO® catalogue
 for dimensions and
 characteristics

Part. 98-132-133-172-323

• Assembly of Part. 611



• Part. 611 available versions

Closed version
 Easy to clean

Open version

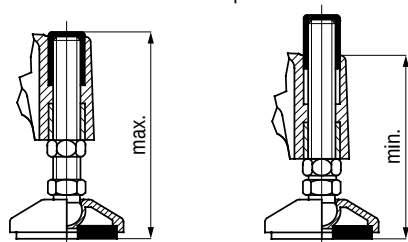


• **Assembly of Part. 419**

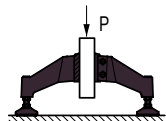


• **Protective cap**

prevents entry of dirt and protects thread.
During adjustment of the foot, the protective cap follows the movement of the spindle.

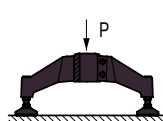


• **Sliding load resistance**



P = 3600 N

• **Max applicable load**

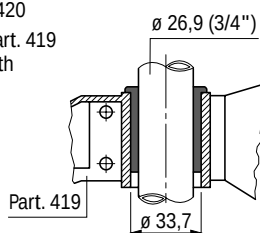


P = 7000 N

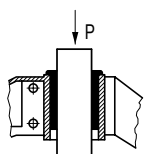
Tests performed at tightening torque : 2 Kgm

• **Assembly of Part. 420**

When applied on Part. 419
this can be used with
dia. 26,9 mm tubes
(3/4'') pipes).



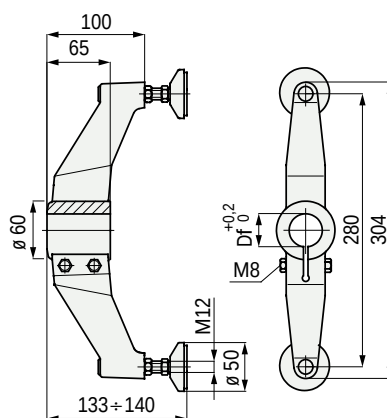
• **Sliding load resistance**



P = 3200 N

Tests performed at tightening torque : 2 Kgm

■ **Support base (bipod)**



For round tubes

Part.	Tube dia. mm	Bore dia. Df mm	Bolts material	Code
419	33,7 (1'')	33,7	Inox AISI 304	614211

- Material : support base and foot plate in reinforced polyamide PA FV (black). Spindle in stainless steel AISI 303. Protective spindle cap in polyamide PA (black). Nickel plated brass threaded bushings. Anti-slip disc in black NBR rubber (70 shore).

- Weight : 0,57 Kg.

- Max recommended tightening torque : 2 Kgm.

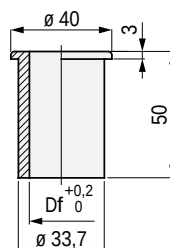
- Packaging : 12 pieces.

Part. 419

Accessories

Part. 420

■ **Reduction bushing**



Part.	Tube dia. mm	Bore dia. Df mm	Code	Weight Kg
420	26,9 (3/4'')	26,9	63108*	0,02

- Material : polyamide PA (black).

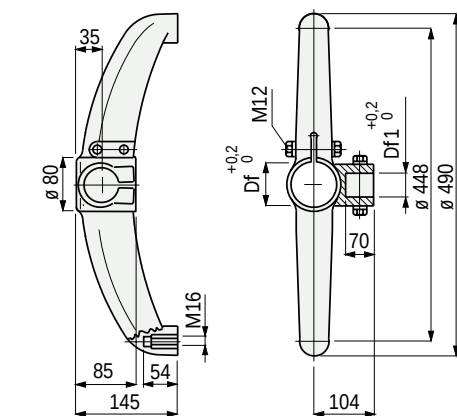
- Packaging : 24 pieces.

Part. 619



For round tubes

Support base (bipod)



Part.	Vertical tube dia. mm	Horizontal tube dia. mm	Bore dia. Df mm	Bore dia. Df1 mm	Code
-------	-----------------------------	-------------------------------	-----------------------	------------------------	------

• Bolts in stainless steel AISI 304

	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	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

• Bolts in zinc plated steel

	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	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

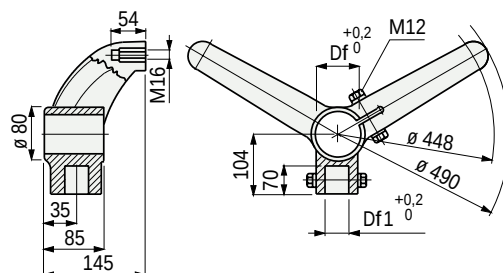
- Material : support base in reinforced polyamide PA FV (black), brass threaded bushings.
- Weight : 1,05 Kg.
- Max recommended tightening torque : 3,6 Kgm.
- Packaging : 12 pieces.

Part. 616



For round tubes

Support base (bipod)



Part.	Vertical tube dia. mm	Horizontal tube dia. mm	Bore dia. Df mm	Bore dia. Df1 mm	Code
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• Bolts in stainless steel AISI 304

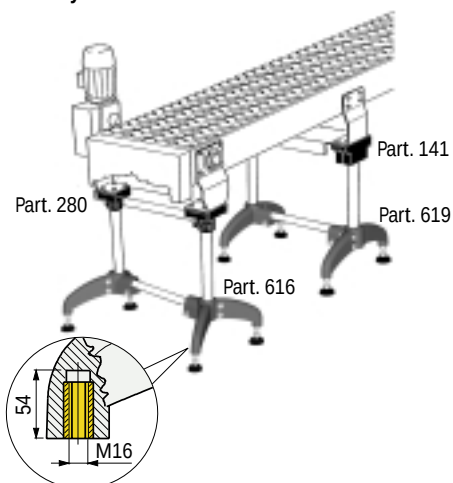
	42,4 (1" 1/4)	42,4 (1" 1/4)	42,4	42,4	624472
	48,3 (1" 1/2)	42,4 (1" 1/4)	48,3	42,4	624492
616	50,8	42,4 (1" 1/4)	50,8	42,4	624522
	60,3 (2")	42,4 (1" 1/4)	60,3	42,4	624552

• Bolts in zinc plated steel

	42,4 (1" 1/4)	42,4 (1" 1/4)	42,4	42,4	638882
	48,3 (1" 1/2)	42,4 (1" 1/4)	48,3	42,4	638892
616	50,8	42,4 (1" 1/4)	50,8	42,4	638902
	60,3 (2")	42,4 (1" 1/4)	60,3	42,4	638912

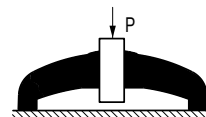
- Material : support base in reinforced polyamide PA FV (black), brass threaded bushings.
- Weight : 1,05 Kg.
- Max recommended tightening torque : 3,6 Kgm.
- Packaging : 12 pieces.

• Assembly of Part. 619 - 616



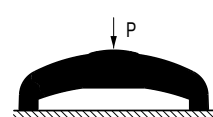
Detail of the insert for the levelers

• Sliding load resistance



Part. 619 (P = 8000 N)
Part. 616 (P = 8000 N)

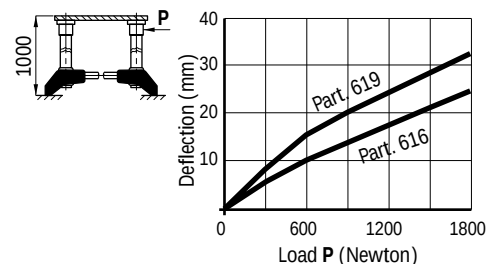
• Max applicable load



Part. 619 (P = 8000 N)
Part. 616 (P = 8000 N)

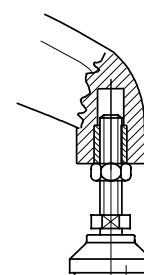
• Deflection

Part. 616 offers a better rigidity than Part. 619



Tests performed at tightening torque : 3,6 Kgm

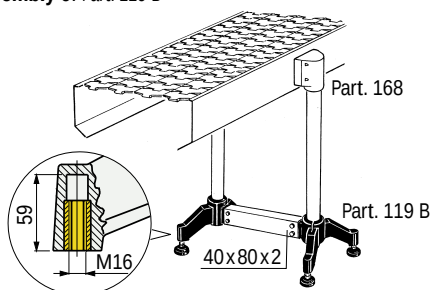
• Types of levelers that can be used



Part. 98-132-133-172-323

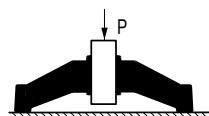
Please refer to
ROBO® catalogue
for dimensions and
characteristics

- **Assembly** of Part. 119 B

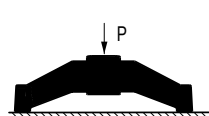


Detail of the insert for the levelers

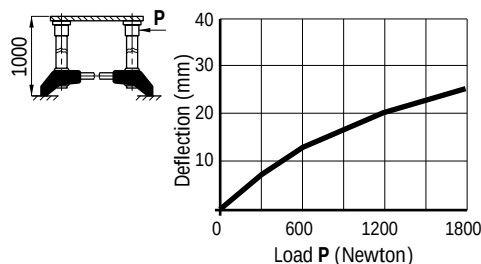
- **Sliding load resistance**
(bases with through bore)


$$P = 8000 \text{ N}$$

- **Max applicable load**

 $P = 8000 \text{ N}$

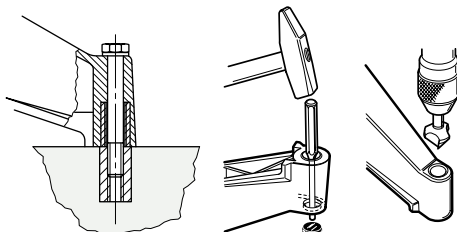
- **Deflection**



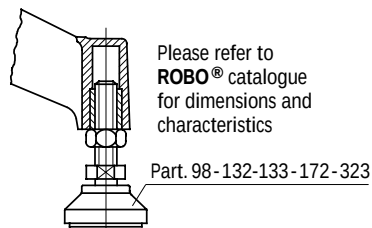
Tests performed at tightening torque : 3.6 Kgm

- **Fixing to floor**

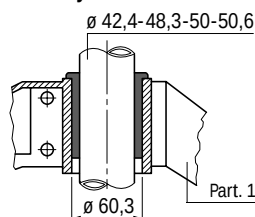
Breaking the diaphragm and deburring hole.



- **Types of levelers that can be used**

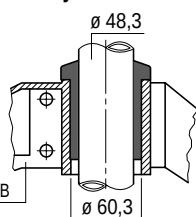


- **Assembly** of Part. 124



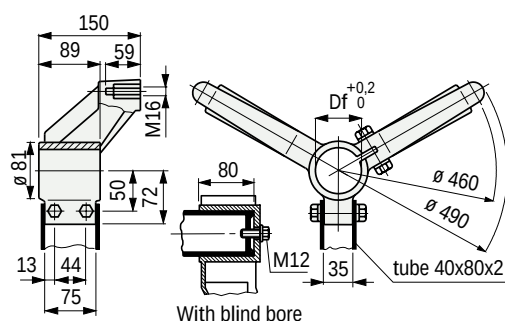
When applied on Part. 119 B
with bore $D_f = 60,3$ mm
this can be used with
dia. 42,4-48,3-50-50,6 mm
tubes.

- **Assembly** of Part. 146



When applied on
Part. 119 B with bore
Df= 60,3, mm this can be
used with dia. 48,3 mm
tubes.

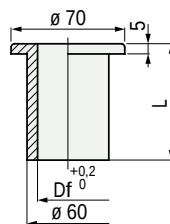
■ **Support base (bipod)**



Part.	Tube dia. mm	Bore dia. Df mm	Bolts material	Code
• With through bore				
119 B	42,4 (1 "1/4)	42,4	AISI 304 Zinc plated steel	54431* 54441*
	48,3 (1 "1/2)	48,3	AISI 304 Zinc plated steel	54411* 54421*
	60,3 (2")	60,3	AISI 304 Zinc plated steel	62000* 61990*
• With blind bore				
119 B	60,3 (2")	60,3	AISI 304 Zinc plated steel	62130* 62120*

- Material : support base in reinforced polyamide PA FV (black). Brass threaded bushings.
- Weight : 1,2 Kg.
- Max recommended tightening torque : 3,6 Kgm.
- Packaging : 12 pieces.

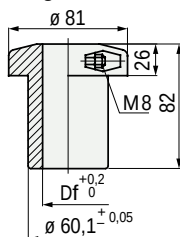
■ **Reduction bushing**



Part.	Tube dia. mm	Bore dia. Df mm	L mm	Code	Weight Kg
124	42,4 (1 "1/4)	42,4	85	61980	0,10
	48,3 (1 "1/2)	48,3	50	692711*	
			85	61970	
			50	50	
	50,6	50,6	85	61770	

- Material : polyamide PA (black).
- Packaging : 10 pieces.

■ Reduction bushing



Part.	Tube dimensions mm	Bore dia. Df mm	Code	Weight Kg
146	Ø 48,3 (1"1/2)	48,3	67100*	0,36

- Material : bushing in aluminium, bolt in stainless steel AISI 304, nut in nickel plated brass.
- Neck painted black.
- Max recommended tightening torque : 2,3 Kgm.
- Sliding load resistance : 8800 N.
- Packaging : 4 pieces.

Part. 119 B



For round tubes

Accessories

Part. 124



Part. 146



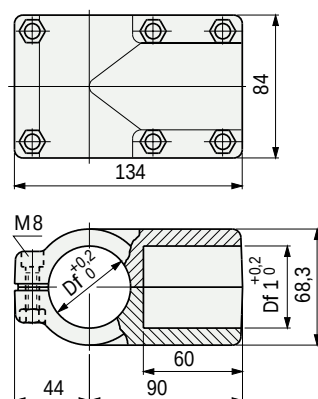
In aluminium

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

Part. 562



For round tubes



Part.	Vertical tube dia. mm	Horizontal tube dia. mm	Bore dia. Df mm	Bore dia. Df 1 mm	Code
	33,7 (1")	33,7 (1")	33,7	33,7	697831
	38,1	33,7 (1")	38,1	33,7	605852
	38,1	38,1	38,1	38,1	697841
562	42,4 (1"1/4)	33,7 (1")	42,4	33,7	607092
		33,7 (1")	48,3	33,7	605862
	48,3 (1"1/2)	38,1	48,3	38,1	697851
		42,4 (1"1/4)	48,3	42,4	607102
		48,3 (1"1/2)	48,3	48,3	697861

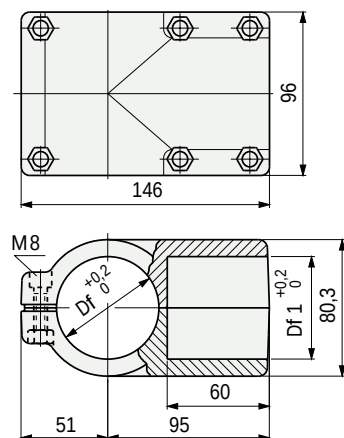
- Material : joint in reinforced polyamide PA FV (black). Tightening screws in stainless steel AISI 304, nuts in nickel plated brass.
- Weight : 0,4 Kg.
- Max recommended tightening torque : 1,5 Kgm.
- Packaging : 8 pieces.

Connecting joint

Part. 563



For round tubes

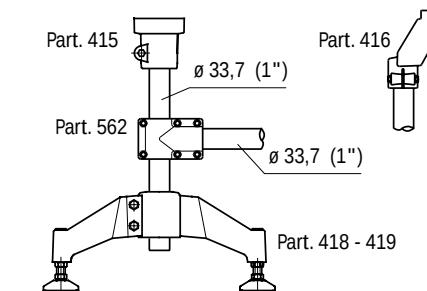


Part.	Vertical tube dia. mm	Horizontal tube dia. mm	Bore dia. Df mm	Bore dia. Df 1 mm	Code
		33,7 (1")	50,8	33,7	697871
	50,8	42,4 (1"1/4)	50,8	42,4	605892
		48,3 (1"1/2)	50,8	48,3	605872
563		33,7 (1")	60,3	33,7	605882
		42,4 (1"1/4)	60,3	42,4	605562
	60,3 (2")	48,3 (1"1/2)	60,3	48,3	697881
		60,3 (2")	60,3	60,3	697891

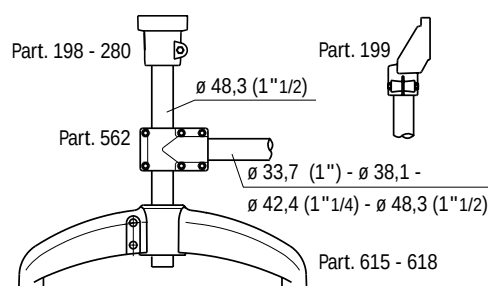
- Material : joint in reinforced polyamide PA FV (black). Tightening screws in stainless steel AISI 304, nuts in nickel plated brass.
- Weight : 0,5 Kg.
- Max recommended tightening torque : 1,5 Kgm.
- Packaging : 8 pieces.

Assembly of Part. 562

Example of assembly with vertical tubes $\varnothing$ 33,7 mm

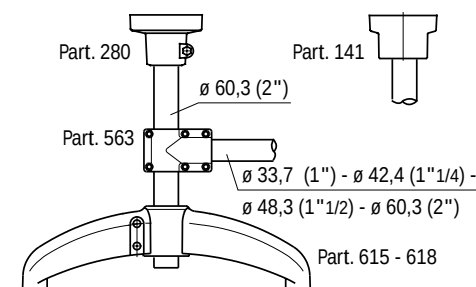


Example of assembly with vertical tubes $\varnothing$ 48,3 mm

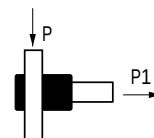


Assembly of Part. 563

Example of assembly with vertical tubes $\varnothing$ 60,3 mm



Sliding load resistance

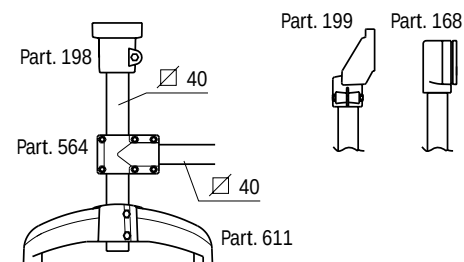


Part. 562 (P = 2000 N) - (P1 = 3500 N)
Part. 563 (P = 1500 N) - (P1 = 3000 N)

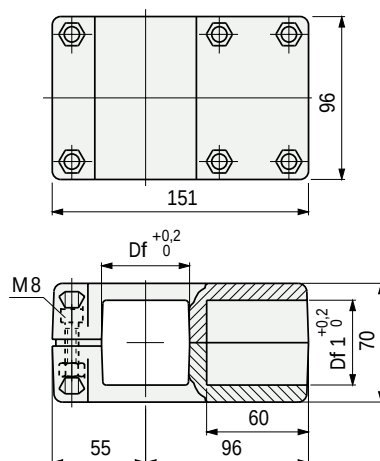
Tests performed at tightening torque : 1,5 Kgm

• **Assembly of Part. 564**

Example of assembly with vertical tubes $\nabla 40$ mm



■ **Connecting joint**



Part.	Tube dimensions mm	Bore Df mm	Bore Df1 mm	Code
	$\nabla 38 \times 38$	$\nabla 38$	$\nabla 38$	698531
564	$\nabla 40 \times 40$	$\nabla 40$	$\nabla 40$	698541
	$\nabla 45 \times 45$	$\nabla 45$	$\nabla 45$	607112
	$\nabla 50 \times 50$	$\nabla 50$	$\nabla 50$	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. 564

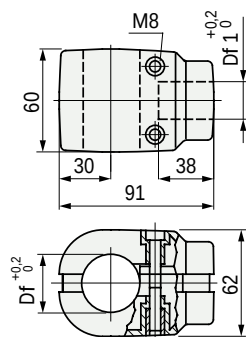


For square tubes

Part. 417



For round tubes



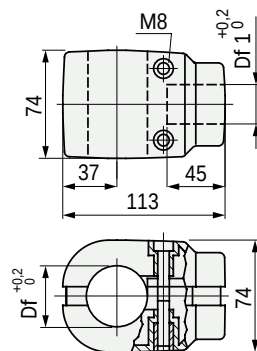
Part.	Vertical tube dia. mm	Horizontal tube dia. mm	Bore dia. Df mm	Bore dia. Df1 mm	Code
417	33,7 (1")	26,9 (3/4")	33,7	26,9	69368

- 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



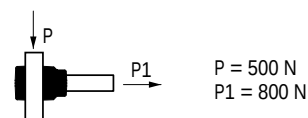
Part.	Vertical tube dia. mm	Horizontal tube dia. mm	Bore dia. Df mm	Bore dia. Df1 mm	Code
454	42,4 (1"1/4)	33,7 (1")	42,4	33,7	69378

- 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



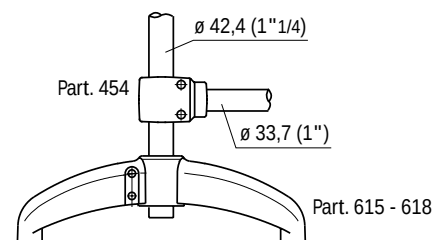
• Sliding load resistance



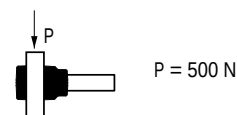
Tests performed at tightening torque : 2 Kgm

• Assembly of Part. 454

Example of assembly with vertical tubes $\varnothing 42,4$ mm



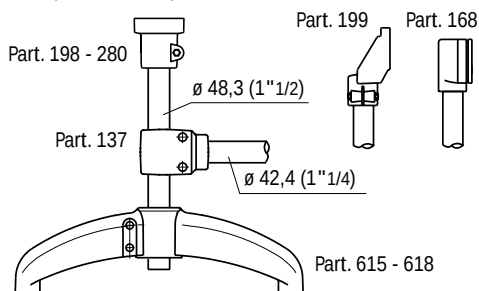
• Sliding load resistance



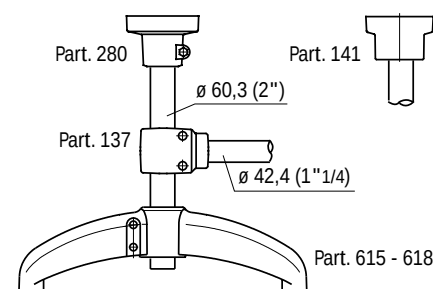
Tests performed at tightening torque : 2 Kgm

• **Assembly of Part. 137**

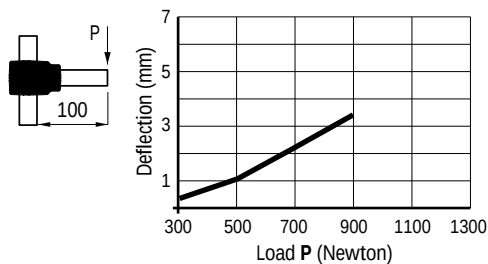
Example of assembly with vertical tubes $\varnothing 48,3$ mm



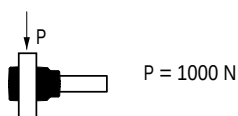
Example of assembly with vertical tubes $\varnothing 60,3$ mm



• **Deflection**

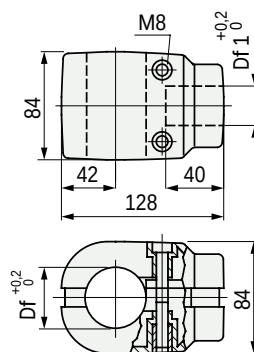


• **Sliding load resistance**



Tests performed at tightening torque : 1 Kgm

■ **Connecting joint**



For round tubes

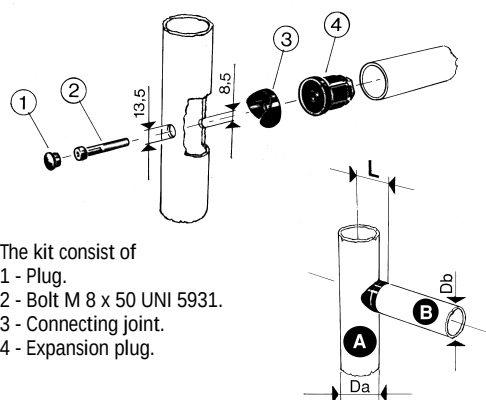
Part.	Vertical tube dia. mm	Horizontal tube dia. mm	Bore dia. Df mm	Bore dia. Df 1 mm	Code
137	48,3 (1"1/2)	42,4 (1"1/4)	48,3	42,4	66813
	60,3 (2")	42,4 (1"1/4)	60,3	42,4	65020

- 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. 409



Connecting joint



The kit consist of
1 - Plug.
2 - Bolt M 8 x 50 UNI 5931.
3 - Connecting joint.
4 - Expansion plug.

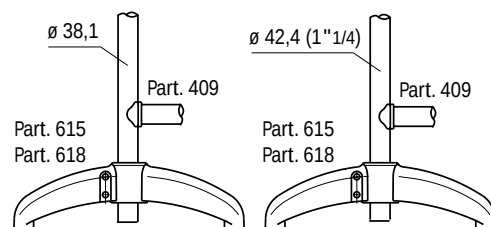
Part.	Tube A dia.* Da mm	Tube B dia. Db mm	Tube B Thickness mm	Code	L mm
38	38	1,5		63277*	31
42,4 (1"1/4)	38	1,5		63287*	33,2
409	42,4 (1"1/4)	1,5		63337	
48,3 (1"1/2)	38	1,5		63297	36,2
	42,4 (1"1/4)	1,5		63347	
60,3 (2")	42,4 (1"1/4)	1,5		63357	42,2

* = Various dimensions

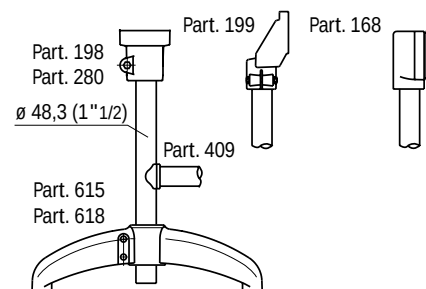
- Material : Plug in PVC (black). Bolt in stainless steel AISI 304.
Connecting joint in reinforced polyamide PA FV (black).
Expansion plug : body in reinforced polyamide PA FV (black),
cone in brass.
- Weight : 0,29 Kg.
- Max recommended tightening torque : 2,5 Kgm.
- Packaging : 50 Kit.

Assembly of Part. 409

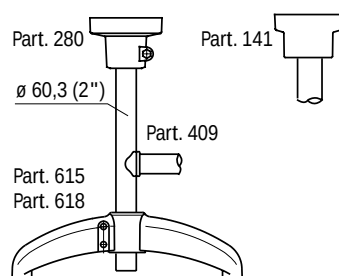
Example of assembly with vertical tubes $\varnothing$ 38,1 and 42,4 mm



Example of assembly with vertical tubes $\varnothing$ 48,3 mm



Example of assembly with vertical tubes $\varnothing$ 60,3 mm

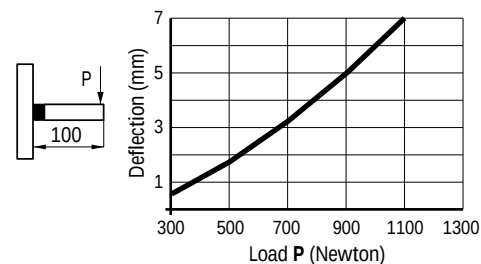


* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

Characteristics

High sanitation. Allows connection joints at any angle.

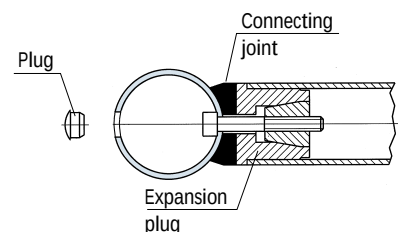
Deflection



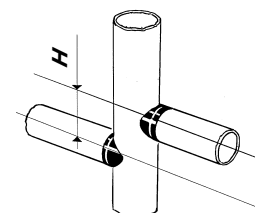
Tests performed at tightening torque : 2,5 Kgm

Assembly

When the screw is tightened the plug expands and locks axially with the tube.



Offset tube joints



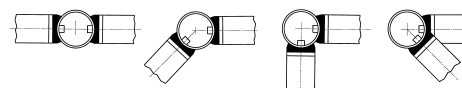
Minimum offset value

H min = 47 (for code : 63357 - 63347 - 63337)

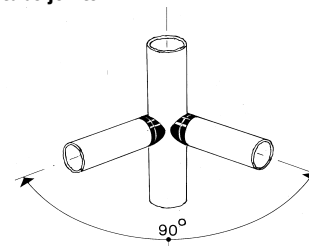
H min = 43 (for code : 63297 - 63287 - 63277)

Connections can be made at any angle.

Offsetting the connections allow entry of the bolt and wrench.

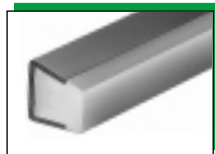


Coaxial tube joints

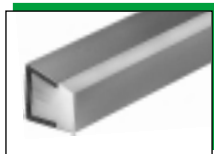


With more than one $\varnothing$ 60,3 x 42,4 tube (code 63357) at the same point, only 90° joints can be made.

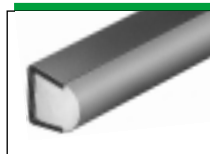
PRODUCT GUIDES



Part. 317 - Page 64
Half-round guide rail. Delicate containers (PET empty).



Part. 223 - Page 64
Flat guide rail. Middle delicate containers (PET full).



Part. 219 - Page 65
Round guide rail. Middle strong containers (glass).



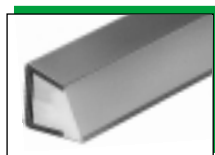
Part. 247 - Page 65
Round guide rail. Middle strong containers (glass).



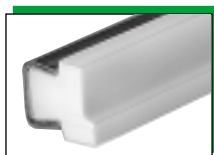
Part. 346 - Page 66
Half-round guide rail. Low side load (brick).



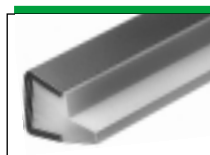
Part. 369 - Page 66-70
Connecting bar for Part. 346-422.



Part. 393 - Page 67
Label protection.



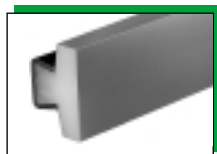
Part. 596 - Page 67
Label protection. Unstable containers.



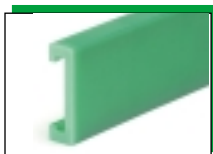
Part. 308 - Page 68
Overhead transport of PET bottles.



Part. 654-654 MG - Page 68
Overhead transport of PET bottles.



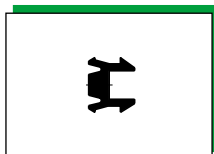
Part. 273 - Page 69
Extra flat guide rail. Rugged containers.



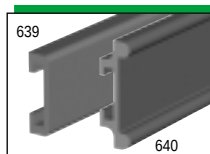
Part. 539 - Page 69
Extra flat guide rail. Assembly with 40x8 mm plate.



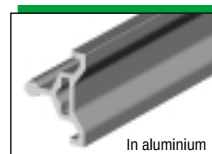
Part. 422 - Page 70
Extra flat guide rail. Rugged containers.



Part. 370 - Page 70
Sealing profile for Part. 422. Improves guide cleanliness.



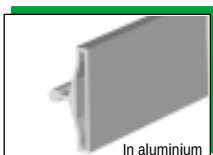
Part. 639-640 - Page 71
Extra flat guide rail (639). Round guide rail (640).



Part. 641 - Page 71
Metal profile for Part. 639-640.



Part. 642 - Page 72
Extra flat guide rail. Rugged containers.



Part. 643 - Page 72
Metal profile for Part. 642.



Part. 644 - Page 73
Round guide rail. Middle strong containers (glass).



Part. 645 - Page 73
Profile for round steel rods.



Part. 605 - Page 74
Extra flat centre guide. Glass containers without side load.



Part. 606 - Page 74
Divider module for Part. 605.



Part. 605 - Page 75
Extra flat centre guide. Glass containers without side load.



Part. 606 - Page 75
Divider module for Part. 605.



Part. 191-296 - Page 76
Extra large guide rail. Assembly with 60x6 mm plate.



Part. 376-377 - Page 76
End plug for Part. 191-296.



Part. 378-379 - Page 77
Joint clamp for Part. 191-296.



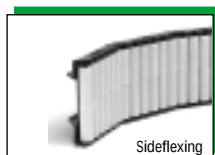
Part. 581 - Page 78
Roller side guide. Thin-walled containers.



Part. 585 - Page 78
Roller centre guide. Thin-walled containers.



Part. 586 - Page 79
Divider module for Part. 585.



Part. 581 - Page 80
Roller side guide. Thin-walled containers.



Part. 585 - Page 80
Roller centre guide. Thin-walled containers.



Part. 586 - Page 81
Divider module for Part. 585.



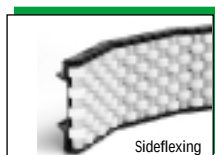
Part. 580 - Page 82
Roller side guide. Medium strength containers.



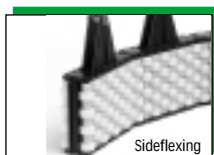
Part. 557 - Page 82
Roller centre guide. Medium strength containers.



Part. 570 - Page 83
Divider module for Part. 557.



Part. 580 - Page 84
Roller side guide. Medium strength containers.



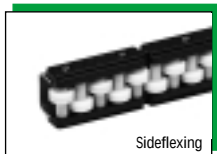
Part. 557 - Page 84
Roller centre guide. Medium strength containers.



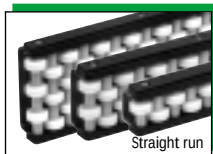
Part. 570 - Page 85
Divider module for Part. 557.



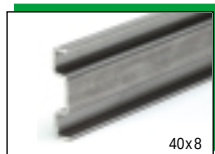
Part. 628 S - Page 86
Roller side guide. Rugged containers. Assembly with 40x8.



Part. 128 S - Page 87
Roller side guide. Rugged containers.



Part. 128 - Page 87-88
Roller side guide. Rugged containers.



Part. 537 - Page 89
For Part. 539-605-580-557-581-585-628S.



Part. 535 - Page 89
Bolts set for Part. 539-580-581-628S.

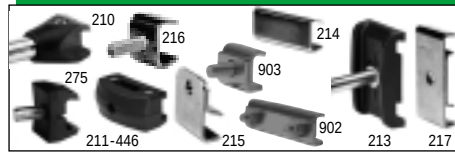


Part. 218 - Page 90
Guide rail bending machine (manual).



Part. 233 - Page 90
Rollers for bending.

GUIDE RAIL CLAMPS



Part. 210-211-213-214-215-216-217-275-446-902-903
Page 92+97

Guide rail clamps for Part. 223-317-219-273-393-596-308.



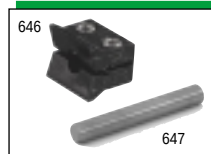
Part. 111-116-236-237 - Page 98+99

Guide rail clamps for Part. 247.



Part. 50-70-71-82-159-437-451-478 - Page 100+103

Guide rail clamps for round rod dia. 8 to 16 mm.



Part. 646-647 - Page 104

Guide rail clamp and rod for Part. 641-643.



Part. 373 - Page 105

Guide rail clamps for Part. 128-128 S.



Part. 184-190 - Page 106

Guide rail clamps for Part. 191.



Part. 298 - Page 107

Guide rail clamps for Part. 296.

GUIDE RAIL BRACKETS



Part. 81-72 - Page 108

Bracket.



Part. 88-89 - Page 109

Bracket with ratched handle clamping.



Part. 85-10-97 - Page 110

Bracket with eccentric lever.



Part. 107 - Page 111

Bracket with eyebolt.



Part. 599 - Page 111

Bracket with eyebolt.



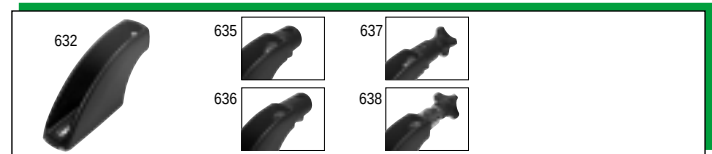
Part. 617 - Page 112

Bracket with eyebolt.



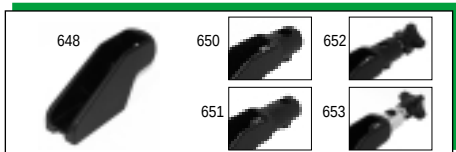
Part. 140 - Page 112

Bracket with eyebolt.



Part. 632-635-636-637-638 - Page 113+115

Adjustable brackets.



Part. 648-650-651-652-653 - Page 116+118

Adjustable brackets.



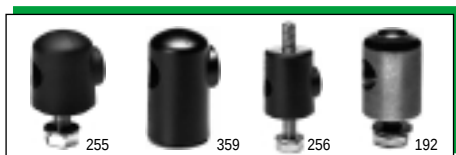
Part. 193-163-257-178 - Page 119+121

Adjustable brackets.



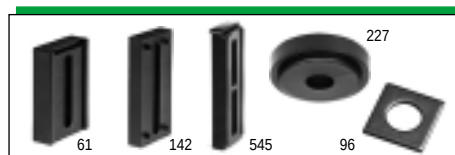
Part. 540-542-541-544-543 - Page 122+125

Adjustable brackets.

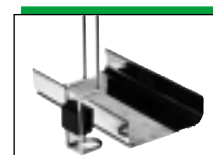


Part. 255-359-256-192 - Page 126+127

Swivel heads applicable to brackets Part. 193+540



Part. 61-142-545 - Page 128+129 Spacers.
Part. 227 - Page 127 Spacer for adjustable brackets.
Part. 96 - Page 129 Square washer for Part.72-81-88-89.



Part. 226-336 - Page 130

Drip tray support.



Part. 338 - Page 131

Mounting plate for Part. 226-336.

CONNECTING CLAMPS



Part. 340-174 - Page 132

Cross clamp. Round holes.



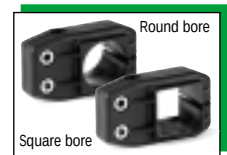
Part. 174 Q - Page 133

Cross clamp. Round and square holes.



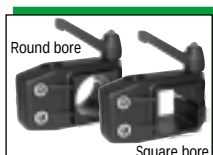
Part. 339-595 - Page 134

T clamp.



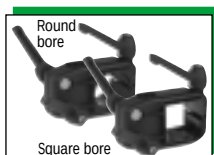
Part. 587 - Page 135

Cross clamp.



Part. 633 - Page 136

Cross clamp with ratchet handle clamping.



Part. 655 - Page 137

Cross clamp with ratchet handle clamping.



Part. 342 - Page 138

Assembly kit for photocells or sensor.



Part. 341-341C - Page 138-139

Clamp for photocells or sensor (Part. 341). Clamp for reflectors (Part. 341 C).



Part. 372 - Page 140

Universal clamp for photocells or reflectors.



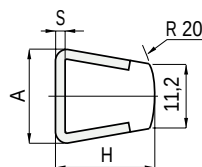
Part. 518 - Page 141

Control contact lever.

Part. 317



■ Guide rail (half round)



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

Part.	Thickness S mm	Metal profile material	Length metres	Code	Weight kg/m
317	1,5	AISI 304	3	69072	0,54
			6	69302	
	2	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 : 4×10^{-5} . Calculation of thermal expansion see page 161.
- Packaging : 24 metres (in 3 m length). 48 metres (in 6 m length).

- Accessories :



Guide rail
clamps
see page 92.

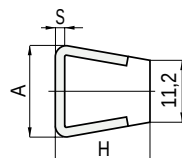


Guide rail bending
machine (manual)
see page 90.

Part. 223



■ Guide rail (flat)



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

Part.	Thickness S mm	Metal profile material	Length metres	Code	Weight kg/m
223	1,5	AISI 304	3	61031	0,54
			6	69402	
		Zinc plated steel	3	63971	
	2	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 : 4×10^{-5} . Calculation of thermal expansion see page 161.
- Packaging : 24 metres (in 3 m length). 48 metres (in 6 m length).

- Accessories :



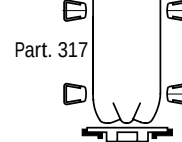
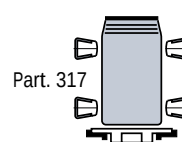
Guide rail
clamps
see page 92.



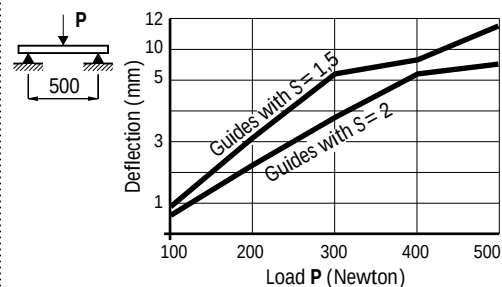
Guide rail bending
machine (manual)
see page 90.

• Use of Part. 317

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

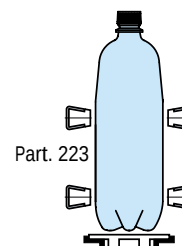


• Deflection of Part. 317 - 223

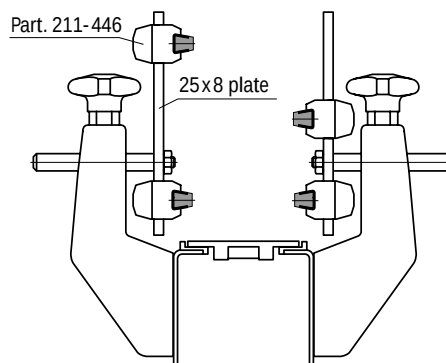


• Use of Part. 223

Middle delicate
containers
(ex: full PET).

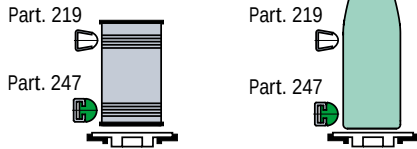


• Assembly of Part. 317-223



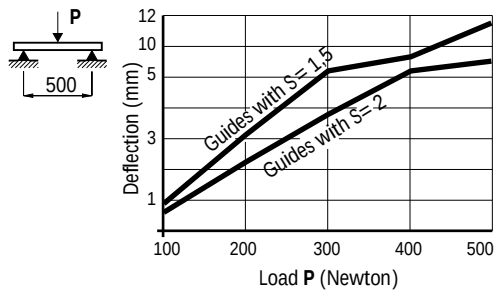
* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

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

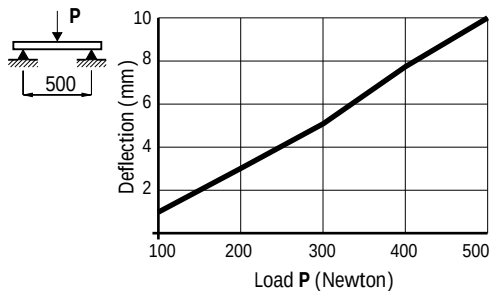


Plastic profile of Part. 247 can be disassembled.

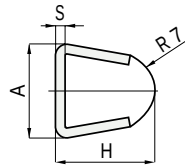
- Deflection of Part. 219



- Deflection of Part. 247



Guide rail (round)



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

Part.	Thickness S mm	Metal profile material	Length metres	Code	
				With Microban®	Without Microban®
219	1,5	AISI 304	3	—	60161
			6	—	69292
	2	Zinc plated steel	3	—	63961
			6	651972	61753
	2	AISI 304	3	651972	61753
			6	—	67113

- Plastic profile material : polyethylene UHMWPE (white).
- Antistatic polyethylene UHMWPE (black) available upon request with minimum quantities.
- Min. curvature radius : 145 mm.
- Weight : 0,54 kg/m.
- Linear expansion coefficient : 4×10^{-5} .
- Calculation of thermal expansion see page 161.
- Packaging : 24 metres (in 3 m length).
- 48 metres (in 6 m length).
- Accessories :



Guide rail
clamps
see page 92.

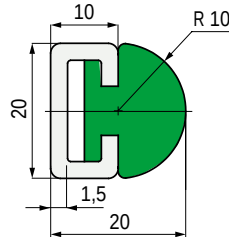


Guide rail bending
machine (manual)
see page 90.

Part. 219



Guide rail (round)



Part.	Length metres	Metal profile material	Code	Weight kg/m
247	3	AISI 304	63911	0,67
		Zinc plated steel	63921	

- Plastic profile material : polyethylene PE 500.000 (green).
- Min. curvature radius : 145 mm.
- Linear expansion coefficient : 2×10^{-4} .
- Calculation of thermal expansion see page 161.
- Packaging : 24 metres.
- Accessories :



Guide rail
clamps
see page 98.



Guide rail bending
machine (manual)
see page 90.

Part. 247

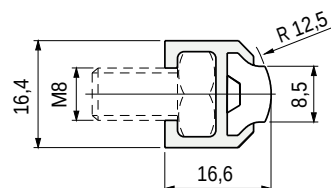


Part. 346



In aluminium

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 : 2×10^{-4} . Calculation of thermal expansion see page 161.
- Packaging : 48 metres (in 3 m length). 96 metres (in 6 m length).

- Accessories :



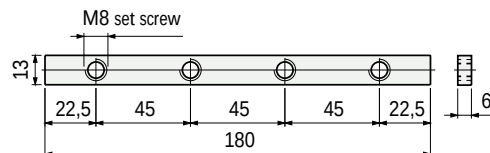
Guide rail bending machine (manual) see page 90.

Accessories

Part. 369



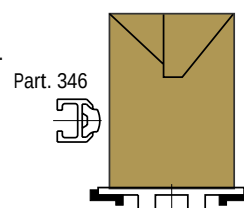
Connecting bar



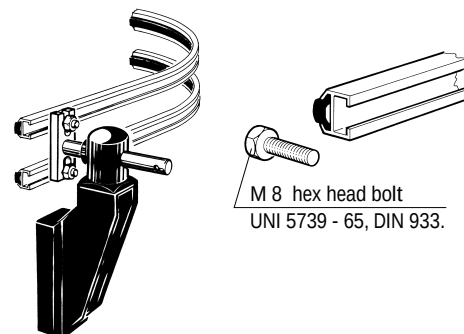
Part.	Code
369	69995

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

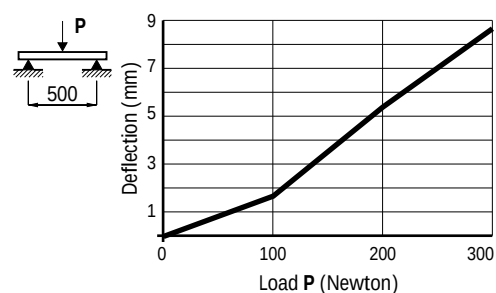
- **Use of Part. 346**
Conveyors with limited lateral loads (ex brick).



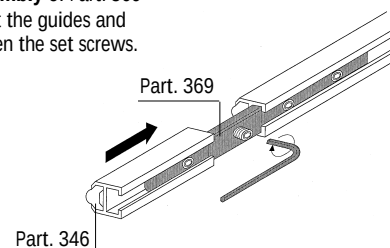
- **Assembly of Part. 346**



- **Deflection of Part. 346**

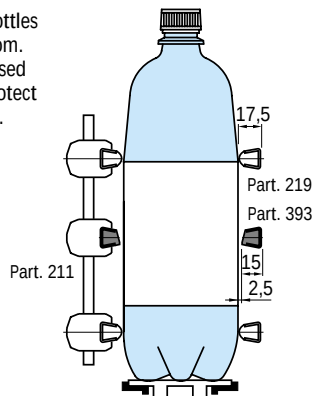


- **Assembly of Part. 369**
Insert the guides and tighten the set screws.

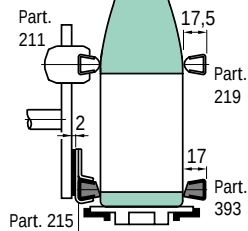


• Use of Part. 393

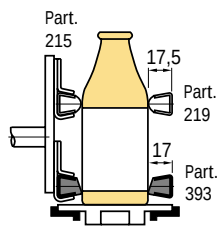
Transport of PET bottles with petaloid bottom. The guide can be used to stabilize, and protect label from damage.



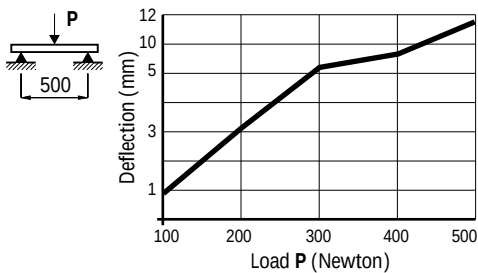
Transport of glass bottles.



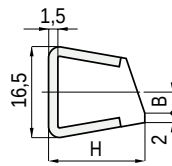
Transport of fruit juices bottles.



• Deflection of Part. 393 - 596



■ Label protection guide



H	B
mm	mm
15	3,9
17	3,6

Part.	Metal profile material	Length metres	H mm	Code	Weight kg/m
393	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 : 4×10^{-5} .
- Calculation of thermal expansion see page 161.
- Packaging : 24 metres.
- Accessories :



Guide rail clamps
see page 92.

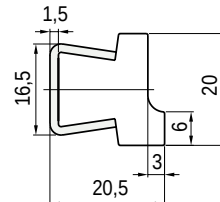


Guide rail bending machine (manual)
see page 90.

Part. 393



■ Label protection guide



Part.	Metal profile material	Length metres	Code	Weight kg/m
596	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 : 4×10^{-5} .
- Calculation of thermal expansion see page 161.
- Packaging : 48 metres.
- Accessories :



Guide rail clamps
see page 92.



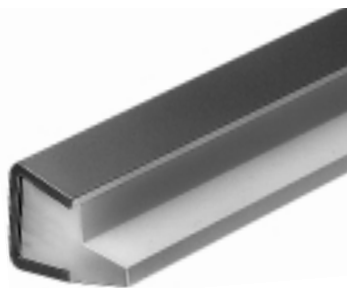
Guide rail bending machine (manual)
see page 90.

Part. 596

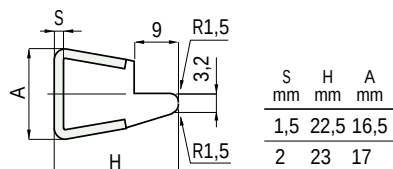


* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

Part. 308



Neck transport guide



Part.	Metal profile material	Thickness S mm	Length metres	Code	Weight kg/m
308	AISI 304	1,5	3	65602	0,65
		1,5	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 : 4×10^{-5} . Calculation of thermal expansion see page 161.
- Packaging : 24 metres (in 3 m length). 48 metres (in 6 m length).

- Accessories :

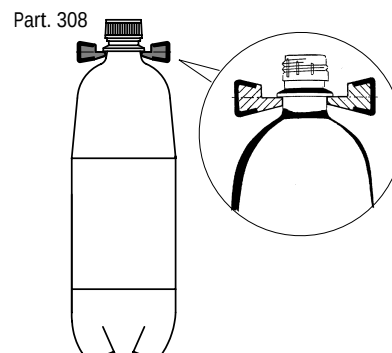


Guide rail clamps
see page 92.

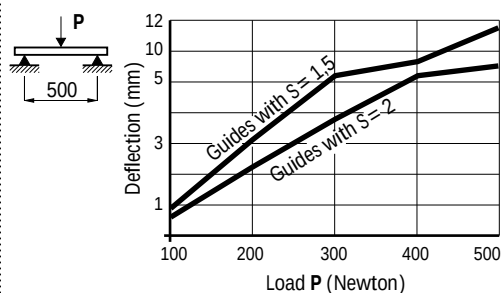


Guide rail bending machine (manual)
see page 90.

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



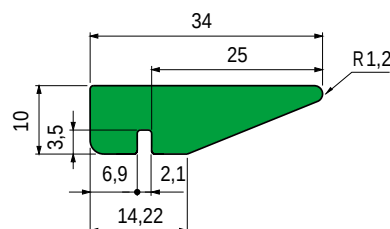
- Deflection of Part. 308



Part. 654 - 654 MG



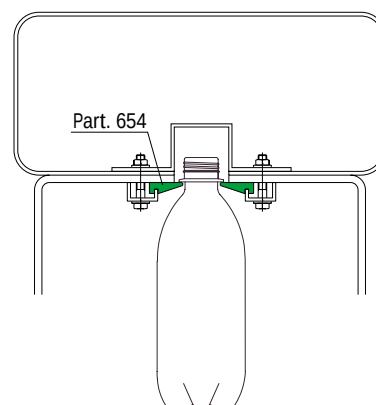
Neck transport guide



Part.	Length metres	Code
• Polyethylene UHMWPE (green)		
654	6	654872
• Polyethylene UHMWPE wear resistant (green)		
654 MG	6	655252

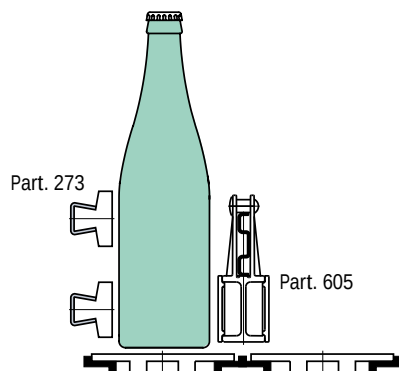
- Min. curvature radius : 750 mm.
- Linear expansion coefficient : 2×10^{-4} . Calculation of thermal expansion see page 161.
- Packaging : 90 metres.

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

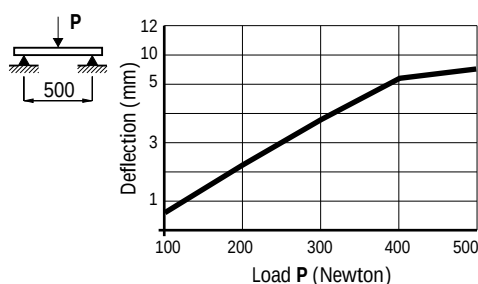


• Use of Part. 273

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



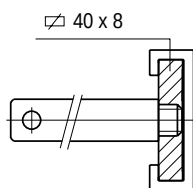
• Deflection of Part. 273



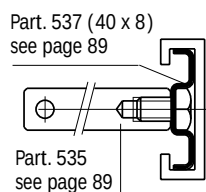
• Fixing of Part. 539

Assembly / disassembly with plates.

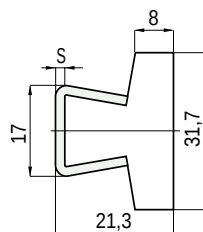
- Fixing with plate.



- Fixing with metal profile Part. 537.



■ Guide rail (extra flat)



Part.	Thickness S mm	Metal profile material	Length metres	Code	
				With Microban®	Without Microban®
273	2	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 : 4×10^{-5} .

- Calculation of thermal expansion see page 161.

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

36 metres (in 6 m length).

- Accessories :



Guide rail
clamps
see page 92.

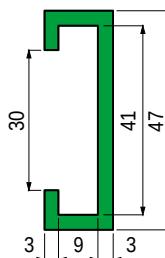


Guide rail bending
machine (manual)
see page 90.

Part. 273



■ 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 161.

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

96 metres (in 6 m length).

- Accessories :



Part. 537 - Metal
profile 40x8
see page 89.

Part. 539

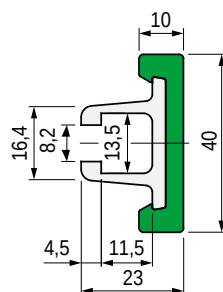


Part. 422



In aluminium

Guide rail (extra flat)



Part.	Colour	Length metres	Code	Weight kg/m
422	Green	3 6	65248 M 65258 M	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 : 2×10^{-4} . Calculation of thermal expansion see page 161.
- Packaging : 48 metres.
- Accessories :



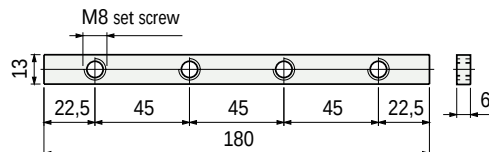
Guide rail bending machine (manual) see page 90.

Accessories

Part. 369



Connecting bar



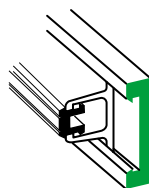
Part.	Code
369	69995

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

Part. 370



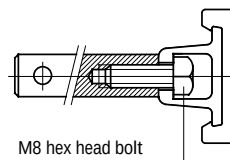
Sealing profile



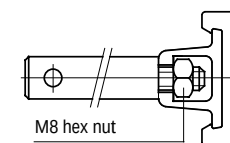
Part.	Code
370	61036*

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

Fixing of Part. 422

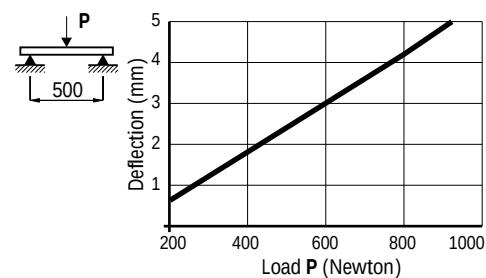


M8 hex head bolt



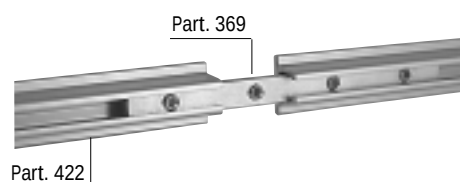
M8 hex nut

Deflection of Part. 422

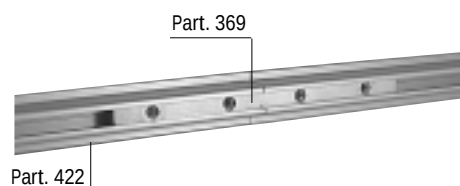


Assembly of Part. 369

Insert the guides and tighten the set screws.



Part. 422

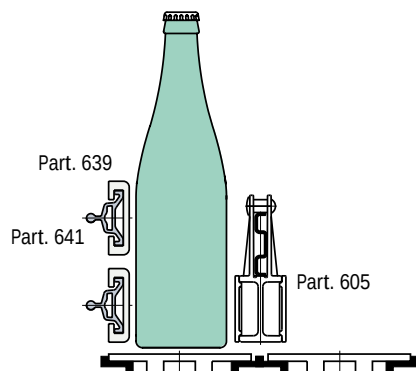


Part. 422

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

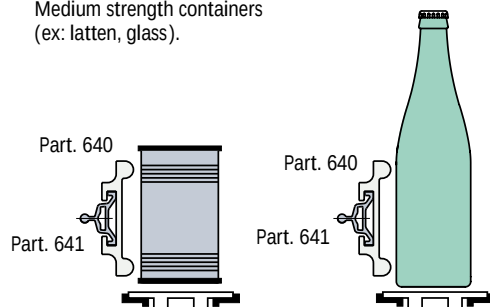
• Use of Part. 639-641

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



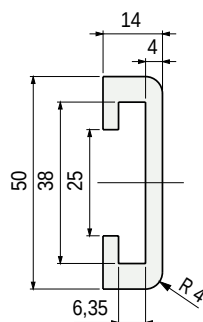
• Use of Part. 640-641

Medium strength containers (ex: latten, glass).

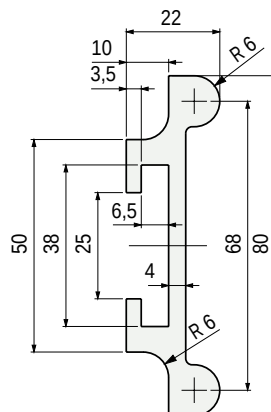


■ Guide rail

Part. 639



Part. 640



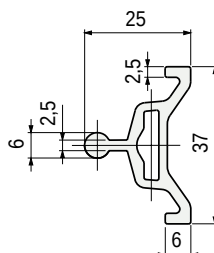
Part.	Colour	Length metres	Code	Weight kg/m
639	Black	3	652252	—
640	Black	3	652262	—

- Material : polyethylene UHMWPE.
- Linear expansion coefficient : 2×10^{-4} .
- Calculation of thermal expansion see page 161.
- Packaging : 36 metres.
- Accessories :



Part. 641
Metal
profile

■ Metal profile



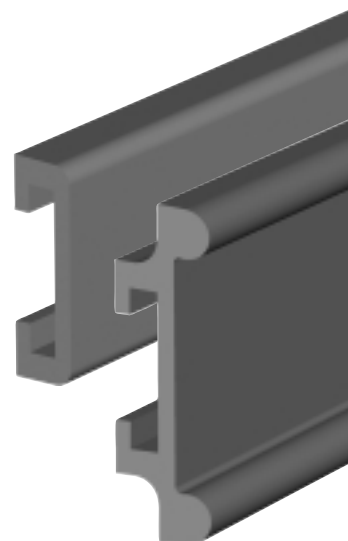
Part.	Length metres	Code	Weight kg/m
641	3	652272	—
	6	652282	—

- Can be used in combination with Part. 639-640.
- Material : anodized aluminium.
- Packaging : 36 metres.
- Accessories :



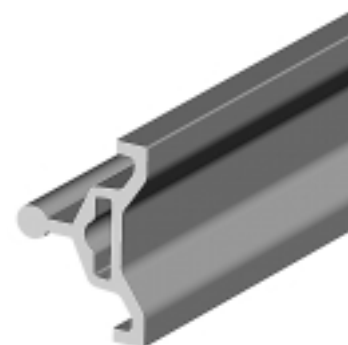
Guide rail
clamp
see page 104

Part. **639 - 640**



Accessories

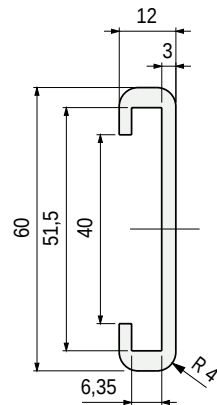
Part. **641**



Part. **642**



■ Guide rail (extra flat)



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

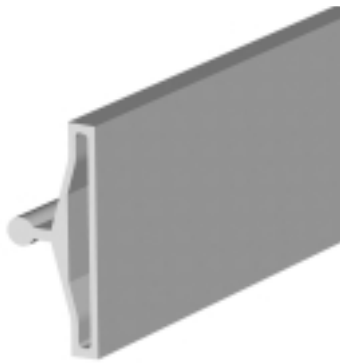
- Material : polyethylene UHMWPE.
- Linear expansion coefficient : 2×10^{-4} .
Calculation of thermal expansion see page 161.
- Packaging : 36 metres.
- Accessories :



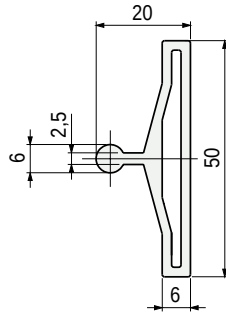
Part. 643
Metal
profile

Accessories

Part. **643**



■ Metal profile



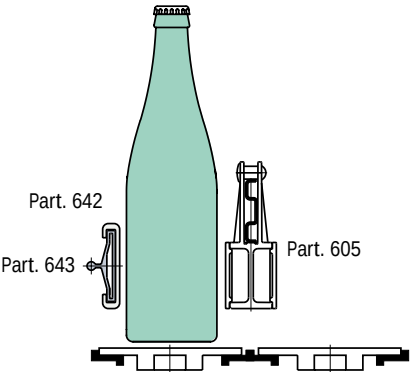
Part.	Length metres	Code	Weight kg/m
643	3	652302	—
	6	652312	

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

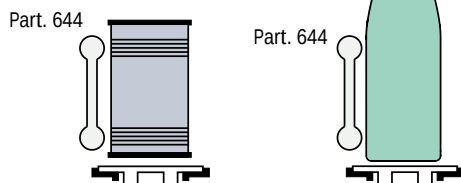


Guide rail
clamp
see page 104

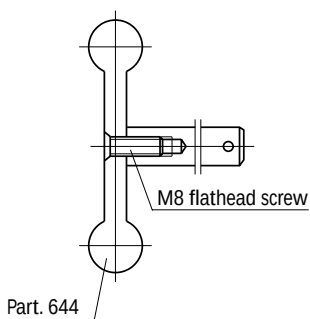
- Use of Part. 642-643
Rugged containers with delicate surface (for example decorated glass bottles). Can be used in combination with Part. 605.



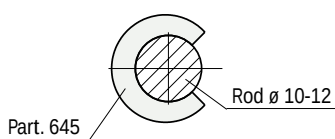
- **Use of Part. 644**
Medium strength containers
(ex: latten, glass).



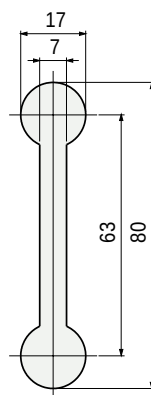
- **Fixing of Part. 644**



- **Use of Part. 645**
Protection of round steel rods



Guide rail



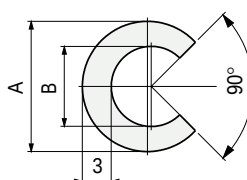
Part.	Length metres	Colour	Code	Weight kg/m
644	3	Black	652322	—
		Green	652332	

- Material : polyethylene UHMWPE.
- Linear expansion coefficient : 2×10^{-4} .
- Calculation of thermal expansion see page 161.
- Packaging : 36 metres.

Part. 644



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	

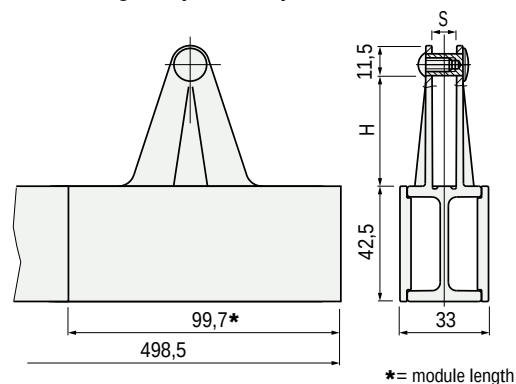
- Material : polyethylene UHMWPE (white).
- Linear expansion coefficient : 2×10^{-4} .
- Calculation of thermal expansion see page 161.
- Standard packaging : coil.
- Packaging : 50 metres.

Part. 645



Part. 605

Centre guide (extra flat)



*= module length

PATENT PENDING

Sideflexing

Part.	Version	H mm	S mm	Code	Weight 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.
- 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. 606
Divider
module

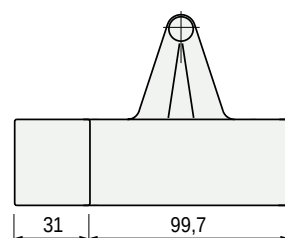


Part. 537 - Metal
profile 40x8
see page 89.

Accessories

Part. 606

Divider module

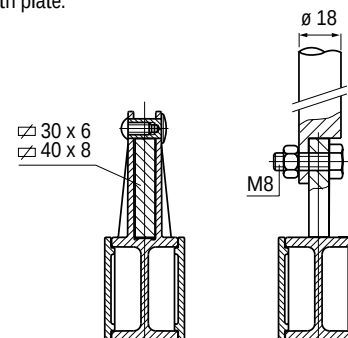


Part.	Version	Code	Weight kg
606	For 30x6 plate	613642	0,13
	For 40x8 plate	613652	

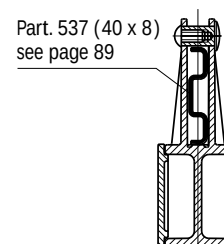
- Material : frame in acetal POM (black). Low friction plates in acetal POM (white). Separation block in polyethylene PE (black).
- Packaging : 2 pieces.

• Fixing of Part. 605 Assembly / disassembly

- Fixing with plate.

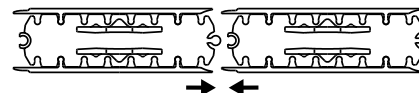


- Fixing with metal
profile Part. 537.



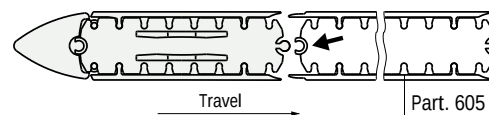
• Modular system

The guide consists of modules with snap-on assembly.



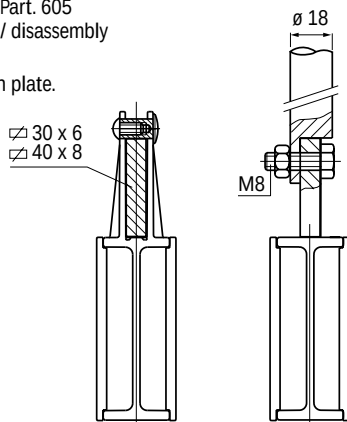
• Assembly of Part. 606

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

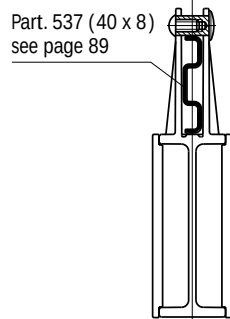


• **Fixing of Part. 605**
Assembly / disassembly

- Fixing with plate.

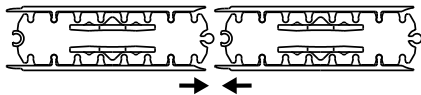


- Fixing with metal profile Part. 537.



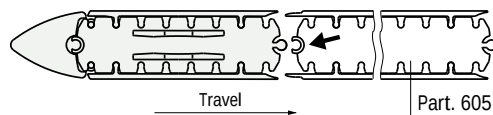
• **Modular system**

The guide consists of modules with snap-on assembly.

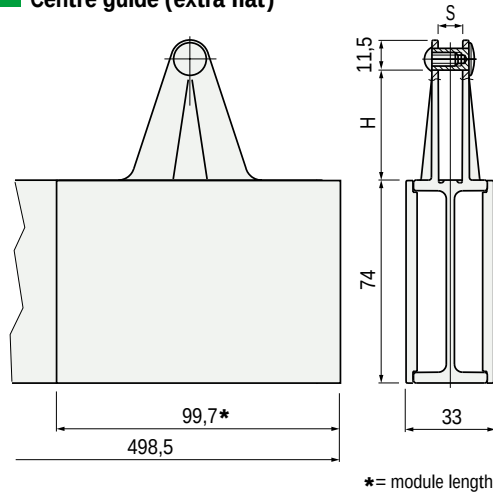


• **Assembly of Part. 606**

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



■ **Centre guide (extra flat)**



* = module length

PATENT PENDING

Part.	Version	H mm	S mm	Code	Weight 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.
- 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 :

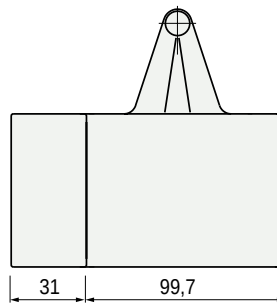


Part. 606
Divider module



Part. 537 - Metal
profile 40x8
see page 89.

■ **Divider module**



Part.	Version	Code	Weight 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

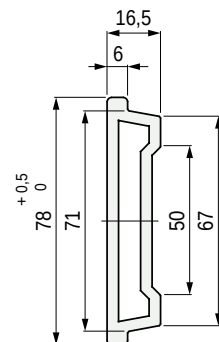


Part. 191-296

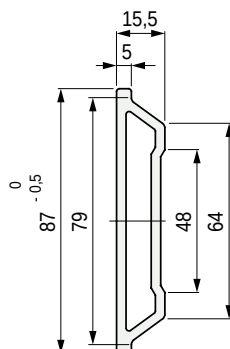


■ Guide rail (extra-large)

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 161.
- Packaging : 30 metres (in 3 m length).
- 60 metres (in 6 m length).

- Accessories :

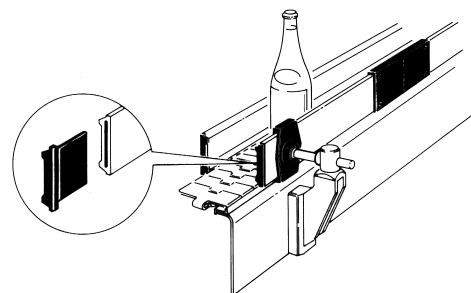


Guide rail clamps
Part. 191 (see page 106).
Part. 296 (see page 107).

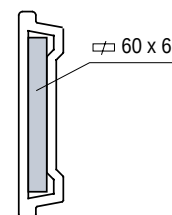


Bending machine
see page 90.

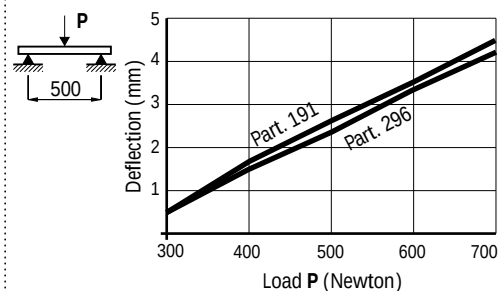
• Use of Part. 191-296



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



• Deflection of Part. 191 - 296

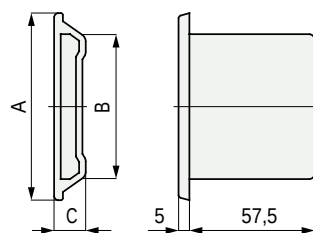


Accessories

Part. 376-377



■ End plug

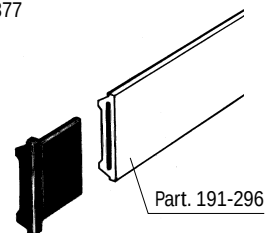


Part.	Use	A mm	B mm	C mm	Code
376	Applicable to Part. 191	77	65,3	15,5	63626
377	Applicable to Part. 296	86	63,8	14,5	63636

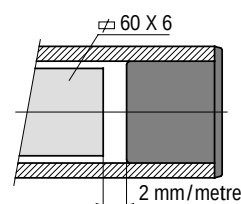
- Material : reinforced polypropylene PP FV (black).
- Packaging : 50 pieces.

• Assembly of Part. 376-377

Press-fit.
Seal with silicon.

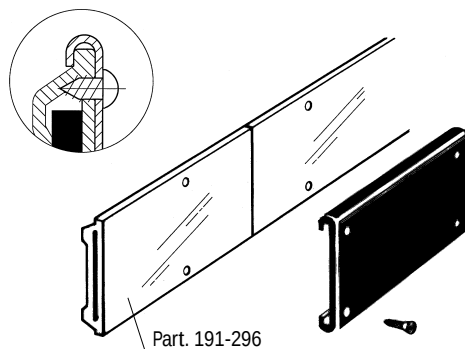


- Leave a gap between the plug and the plate to allow for contraction at low temperatures.

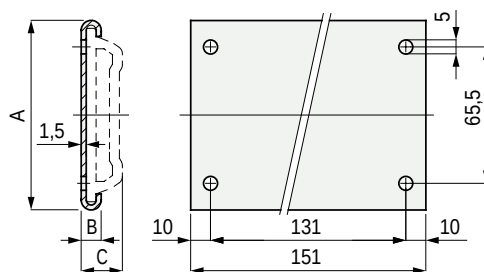


• **Assembly of Part. 378-379**

Assembly with self-tapping screws 4,8 x 9,5 DIN 7970



■ **Joint clamp**



Part.	Use	A mm	B mm	C 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.
- Packaging : 50 pieces complete with fixing screws.

Accessories

Part. **378-379**

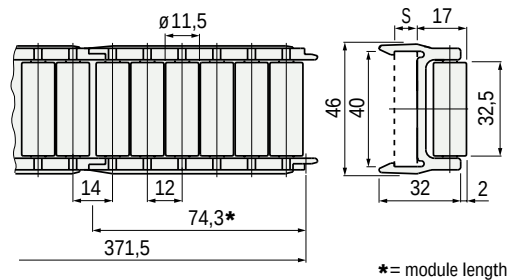


Part. 581



Sideflexing

Roller side guide



* = module length

PATENT PENDING

Part.	Version	S mm	Code	Weight kg/m
581	For 40x8 plate	8	603322	0,62

- 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 89.

• Use of Part. 581-585

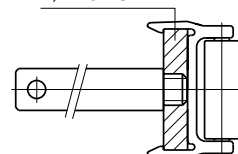
For thin walled and delicate containers (like aluminium cans, PET bottles, decorated card-board).

• Fixing of Part. 581

Snap-on assembly / disassembly

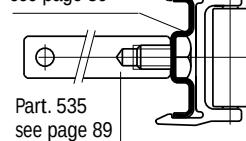
- Fixing with plate.

40 x 8



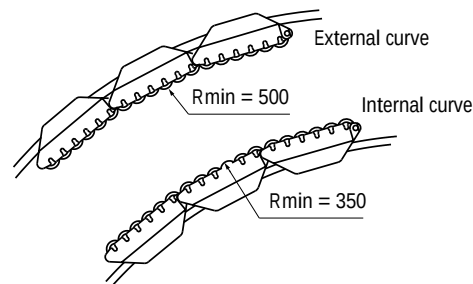
- Fixing with metal profile Part. 537.

Part. 537 (40 x 8) see page 89



Part. 535 see page 89

• Min. curvature radius Part. 581

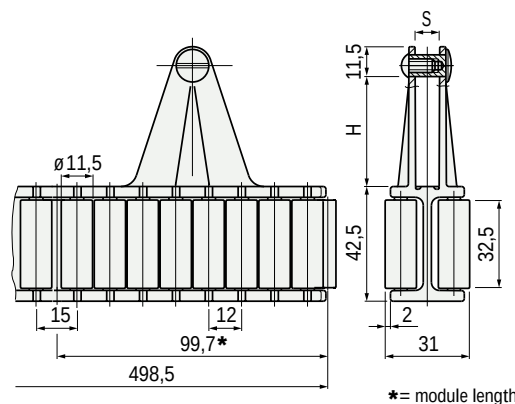


Part. 585



Sideflexing

Centre roller guide



* = module length

PATENT PENDING

Part.	Version	H mm	S mm	Code	Weight kg/m
585	For 30x6 plate	30	6	603492 N	1,24
	For 40x8 plate	40	8	603502 N	

- 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. 586 Divider module see page 79.

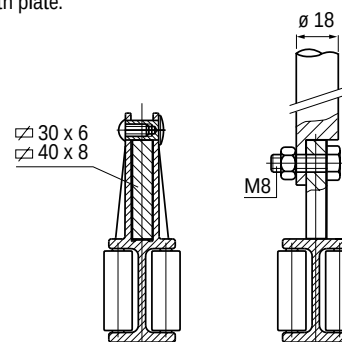


Part. 537 - Metal profile 40x8 see page 89.

• Fixing of Part. Part. 585

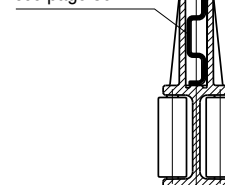
Assembly / disassembly

- Fixing with plate.



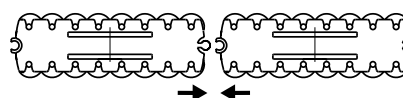
- Fixing with metal profile Part. 537.

Part. 537 (40 x 8) see page 89



• Modular system Part. 581-585

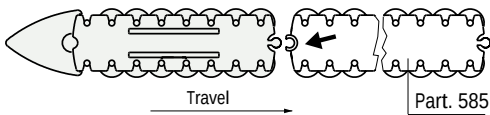
The guide consists of modules with snap-on assembly.



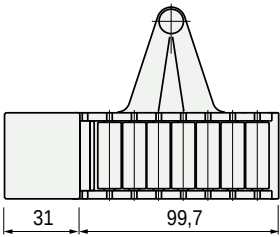
Part. 586



- **Assembly of Part. 586**
Guide position (Part. 585) to allow assembly with divider module.



■ Divider module



Part.	Version	Code	Weight kg
586	For 30x6 plate	603552 N	0,15
	For 40x8 plate	603562 N	

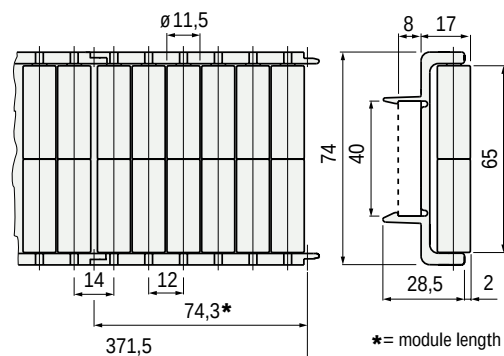
- Material : frame in acetal POM (black). Rollers in polyamide PA (white). Separation block in polyethylene PE (black).
- Packaging : 2 pieces.

Part. 581



Sideflexing

Roller side guide



PATENT PENDING

Part.	Version	Code	Weight kg/m
581	For 40x8 plate	603312	1,01

- 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 89.

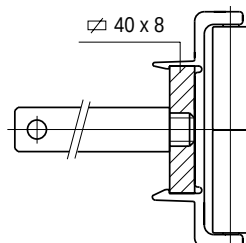
Use of Part. 581-585

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

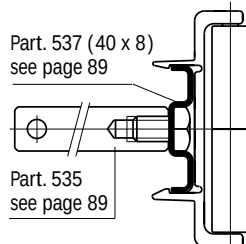
Fixing of Part. 581

Snap-on assembly / disassembly

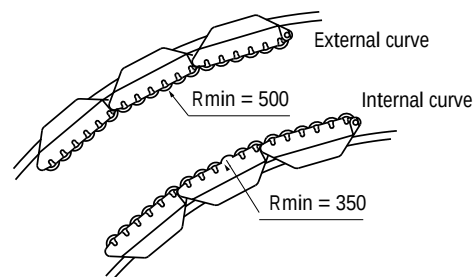
- Fixing with plate.



- Fixing with metal
profile Part. 537.



Min. curvature radius Part. 581

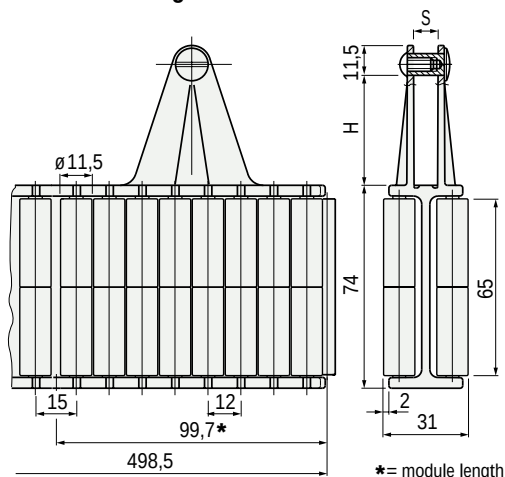


Part. 585



Sideflexing

Centre roller guide



PATENT PENDING

Part.	Version	H mm	S mm	Code	Weight kg/m
585	For 30x6 plate	30	6	603512	2,0
	For 40x8 plate	40	8	603522	

- 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. 586-Divider
module
see page 81.

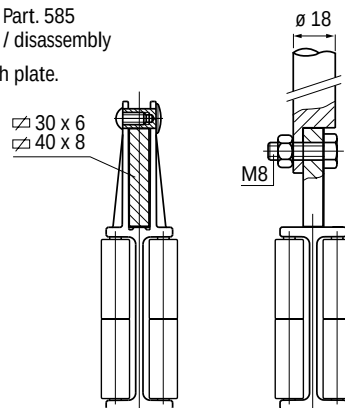


Part. 537 - Metal
profile 40x8
see page 89.

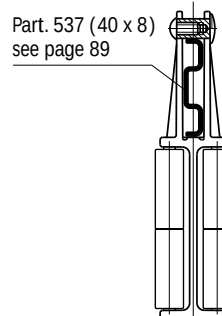
Fixing of Part. 585

Assembly / disassembly

- Fixing with plate.

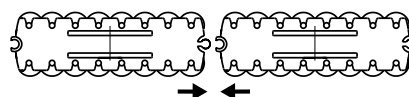


- Fixing with metal
profile Part. 537.



Modular system Part. 581-585

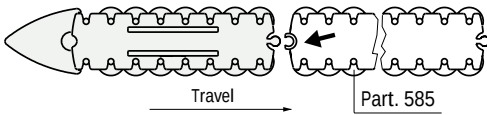
The guide consists of modules with snap-on assembly.



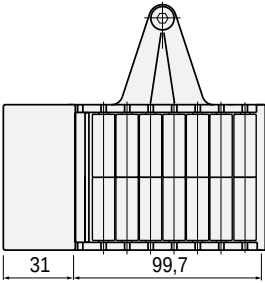
Part. 586



- **Assembly of Part. 586**
Guide position (Part. 585) to allow assembly with divider module.



■ Divider module



Part.	Version	Code	Weight kg
586	For 30x6 plate	603572	0,24
	For 40x8 plate	603582	

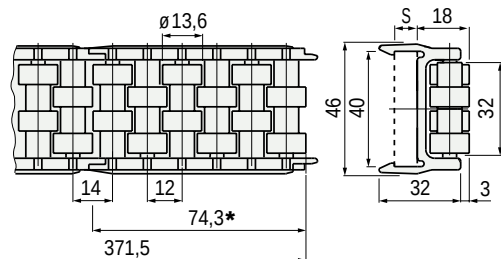
- Material : frame in acetal POM (black). Rollers in polyamide PA (white). Separation block in polyethylene PE (black).
- Packaging : 2 pieces.

Part. 580



Sideflexing

Roller side guide



* = module length

PATENT PENDING

Part.	Version	S mm	Code	Weight 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 :



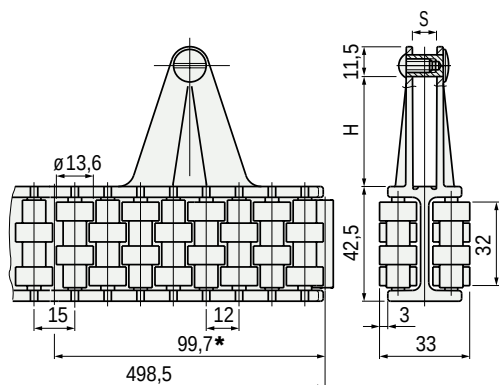
Part. 537 - Metal profile 40x8 see page 89.

Part. 557



Sideflexing

Centre roller guide



* = module length

PATENT PENDING

Part.	Version	H mm	S mm	Code	Weight 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. 570 Divider module see page 83.



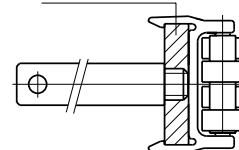
Part. 537 - Metal profile 40x8 see page 89.

Fixing of Part. 580

Snap-on assembly / disassembly

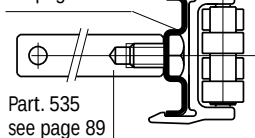
- Fixing with plate.

$\varnothing 40 \times 8$
 $\varnothing 40 \times 10$



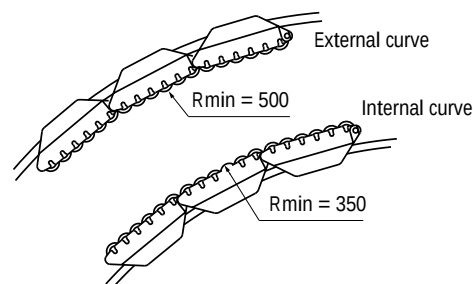
- Fixing with metal profile Part. 537.

Part. 537 (40 x 8)
see page 89



Part. 535
see page 89

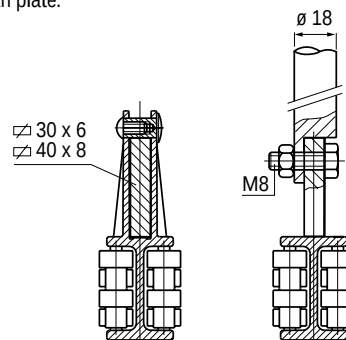
Min. curvature radius Part. 580



Fixing of Part. 557

Assembly / disassembly

- Fixing with plate.



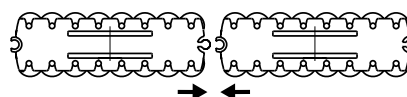
- Fixing with metal profile Part. 537.

Part. 537 (40 x 8)
see page 89



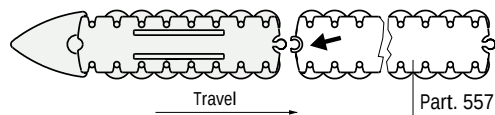
Modular system Part. 580-557

The guide consists of modules with snap-on assembly.

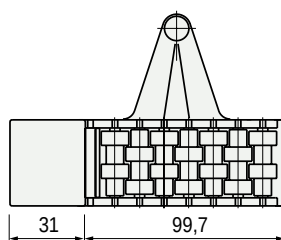


Part. 570

- **Assembly of Part. 570**
Guide position (Part. 557) to allow assembly with divider module.



■ Divider module

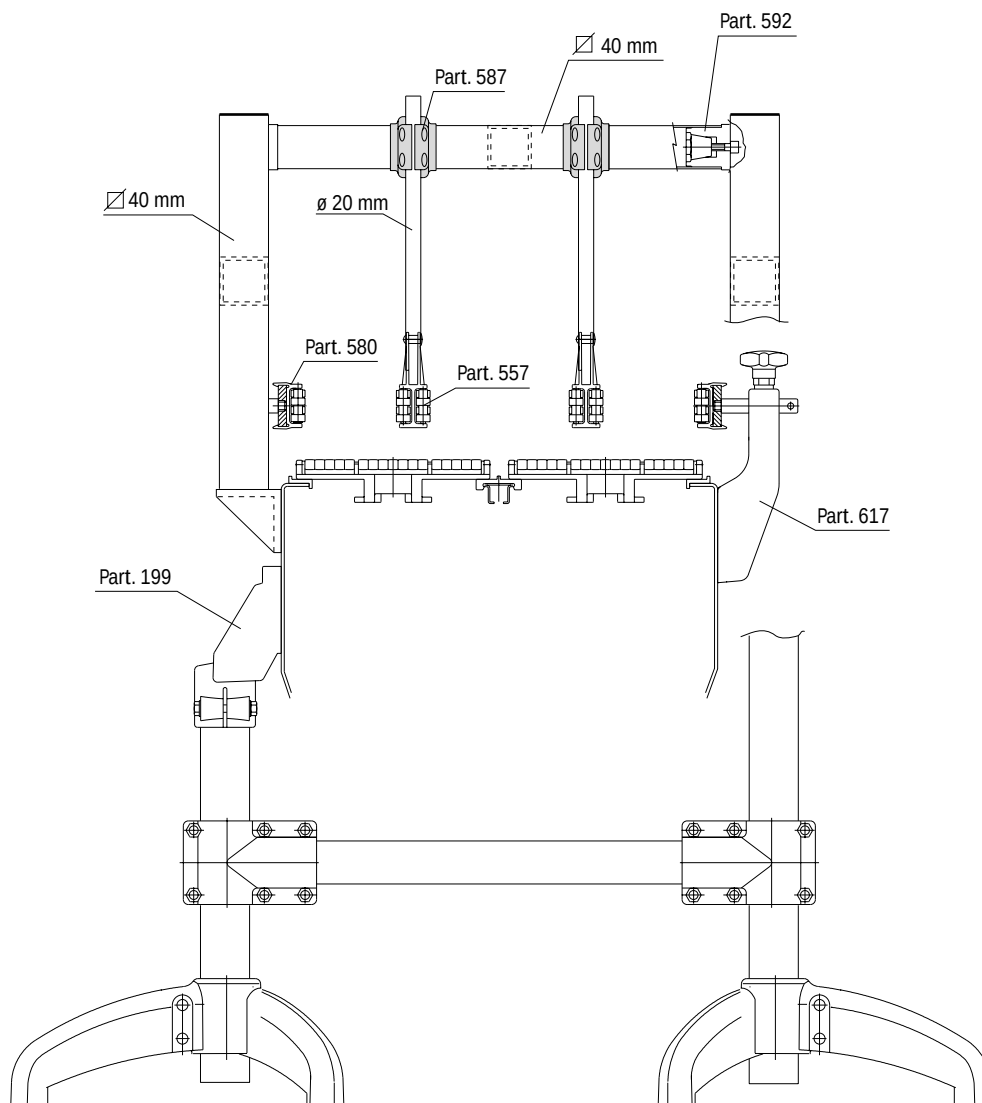


Part.	Version	Code	Weight kg
570	For 30x6 plate	601142 N	0,15
	For 40x8 plate	601162 N	

- Material : frame in acetal POM (black). Rollers in polyamide PA (white). Separation block in polyethylene PE (black).
- Packaging : 2 pieces.



- **Use of Part. 580-557**
For medium strength containers (tin cans, glass strong aluminium cans).

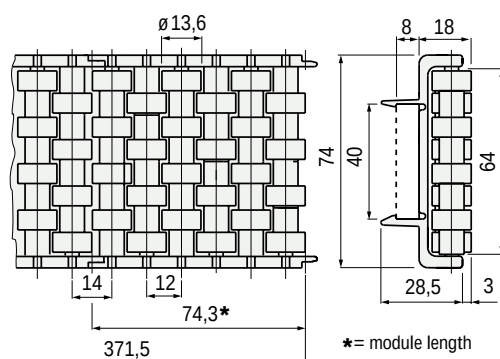


Part. 580



Sideflexing

Roller side guide



PATENT PENDING

Part.	Version	Code	Weight 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 89.

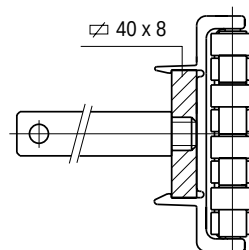
• Use of Part. 580-557

For medium strength containers (tin cans, glass, strong aluminium cans).

• Fixing of Part. 580

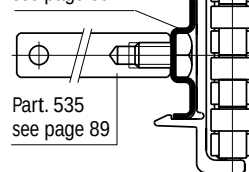
Snap-on assembly / disassembly

- Fixing with plate.



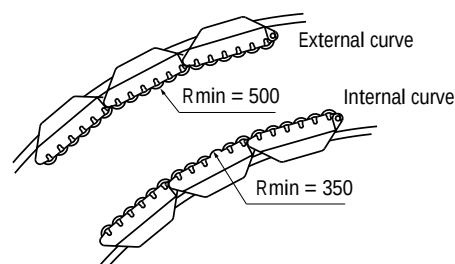
- Fixing with metal
profile Part. 537.

Part. 537 (40 x 8)
see page 89



Part. 535
see page 89

• Min. curvature radius Part. 580

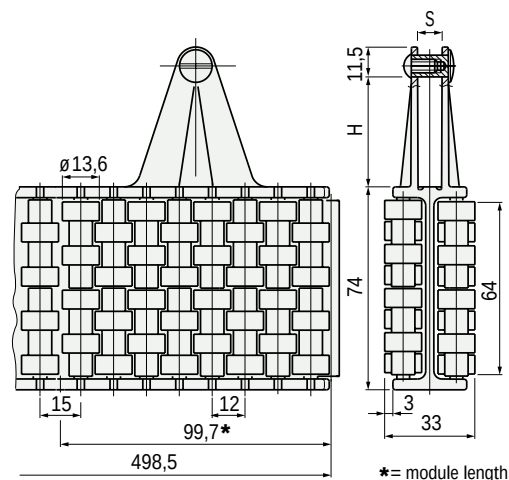


Part. 557



Sideflexing

Centre roller guide



PATENT PENDING

Part.	Version	H mm	S mm	Code	Weight kg/m
557	Per piatto 30x6	30	6	603472	1,96
	Per piatto 40x8	40	8	603482	

- 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. 570-Divider
module
see page 85.

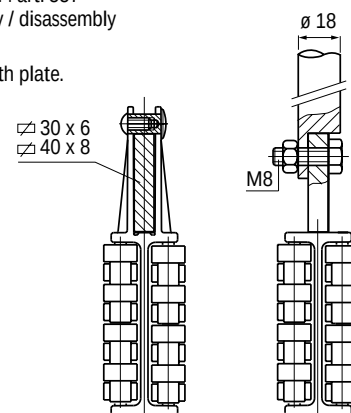


Part. 537 - Metal
profile 40x8
see page 89.

• Fixing of Part. 557

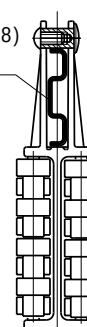
Assembly / disassembly

- Fixing with plate.



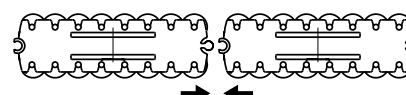
- Fixing with metal
profile Part. 537.

Part. 537 (40 x 8)
see page 89



• Modular system Part. 580-557

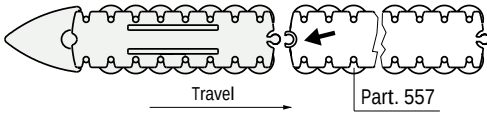
The guide consists of modules with snap-on assembly.



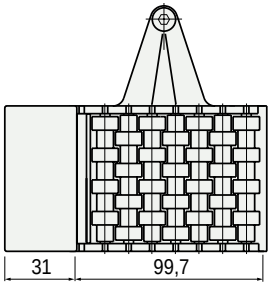
Part. 570



- **Assembly of Part. 570**
Guide position (Part.557) to allow assembly with divider module.



■ Divider module



Part.	Version	Code	Weight kg
570	For 30x6 plate	603532	0,24
	For 40x8 plate	603542	

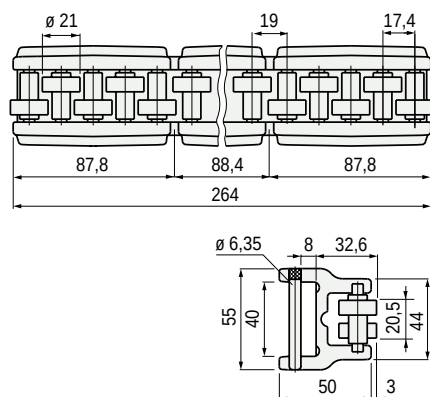
- Material : frame in acetal POM (black). Rollers in polyamide PA (white). Separation block in polyethylene PE (black).
- Packaging : 2 pieces.

Part. 628 S



Sideflexing

Roller side guide



PATENT PENDING

Part.	Version	Code	Weight 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 :

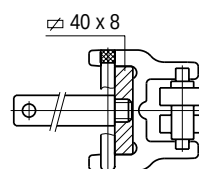


Part. 537 - Metal profile 40x8 see page 89.

- **Use of Part. 628 S**
Rugged containers (ex cases, cartons).

- **Fixing of Part. 628 S**
Assembly / disassembly

- Fixing with plate.

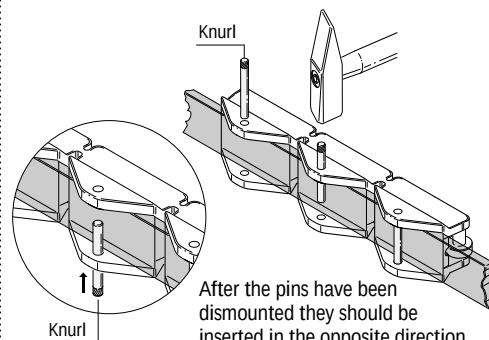


- Fixing with metal profile Part. 537.

Part. 537 (40 x 8) see page 89

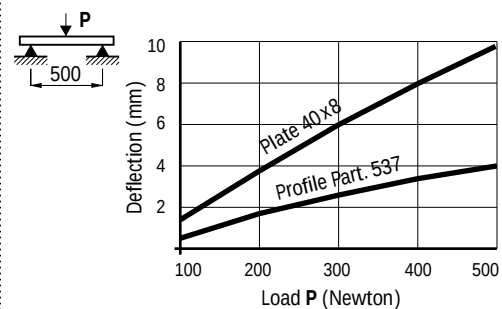
Part. 535 see page 89

- **Assembly of Part. 628 S**



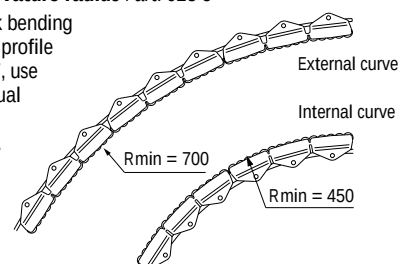
After the pins have been dismantled they should be inserted in the opposite direction to ensure proper fit in the module holes.

- **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 88.

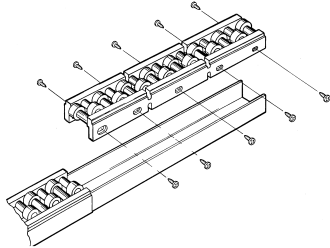


* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

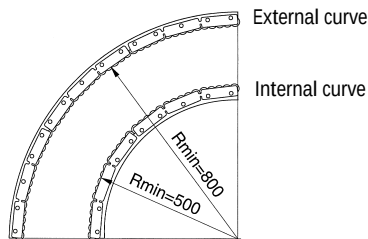
- **Use of Part. 128 S-128**
Rugged containers (ex cases, cartons).

- **Modular system**

Guides are made of 257 mm long modules fixed on a metal "C" profile.

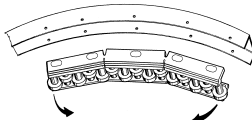


- **Min. curvature radius (only for Part. 128 S)**

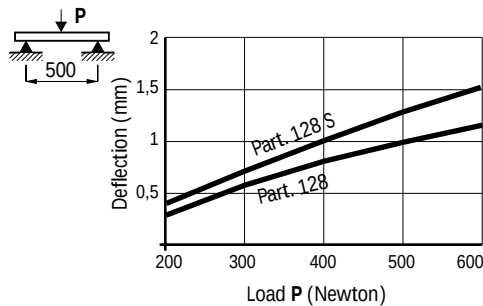


Curving procedure

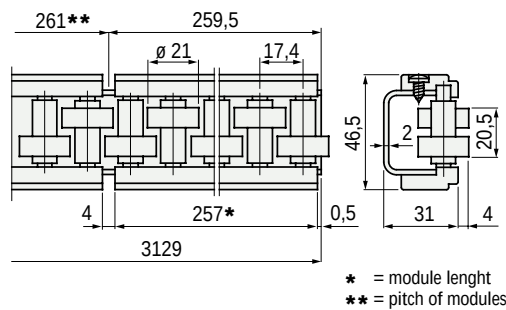
- Disassemble the modules
- Curve the metal profile using the manual bending machine.
- Reassemble the modules (the flexibility of the side straps make them easily adaptable to the curved profile).



- **Deflection** of Part. 128S-128



Roller side guide



Part.	Metal profile, screws and pins 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).
- Standard packaging : strands of 3,129 metres.
- Packaging : 6,258 metres (n°2 strands).
- Accessories :



Guide rail clamps
see page 105.



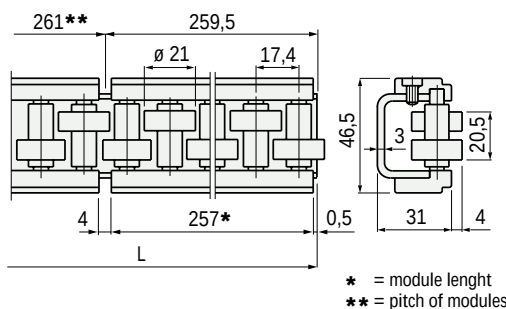
Guide rail bending machine (manual)
see page 90.

Part. 128 S



Sideflexing

Roller side guide



Part.	Length L mm	Metal profile, screws and pins material	Code	Weight kg/m
128	1041	Zinc plated steel	64531	2,6
		Stainless steel AISI 303	62640	
	2085	Zinc plated steel	64541	
		Stainless steel AISI 303	62670	
	3129	Zinc plated steel	64551	
		Stainless steel AISI 303	63350	

- Material : rollers in acetal POM (white). Side straps in polyamide PA (black).
- Packaging : n°2 strands.
- Accessories :



Guide rail clamps
see page 105.

Part. 128



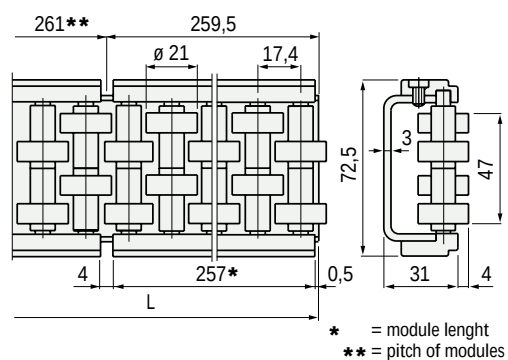
Straight run

Part. 128



Straight run

Roller side guide



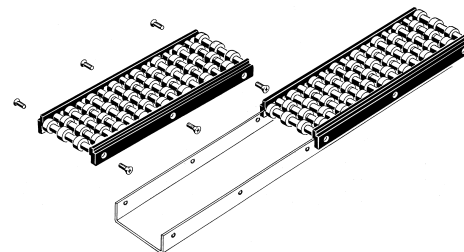
Part.	Length L mm	Metal profile, screws and pins material	Code	Weight kg/m
	1041	Zinc plated steel	64501	
		Stainless steel AISI 303	62650	
128	2085	Zinc plated steel	64511	3,8
		Stainless steel AISI 303	62680	
	3129	Zinc plated steel	64521	
		Stainless steel AISI 303	63340	

- Material : rollers in acetal POM (white). Side straps in polyamide PA (black).
- Packaging : n°2 strands.
- Accessories :

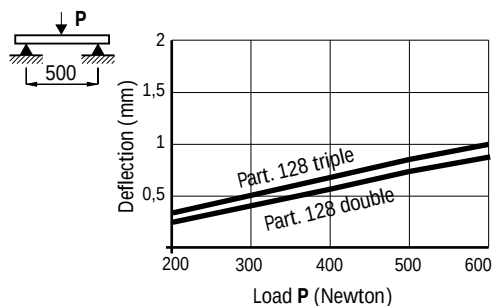


- **Use of Part. 128**
Rugged containers (ex cases, cartons).

- **Modular system Part. 128**
Guides are made of 257 mm long modules fixed on a metal "C" profile.



- **Deflection of Part. 128**

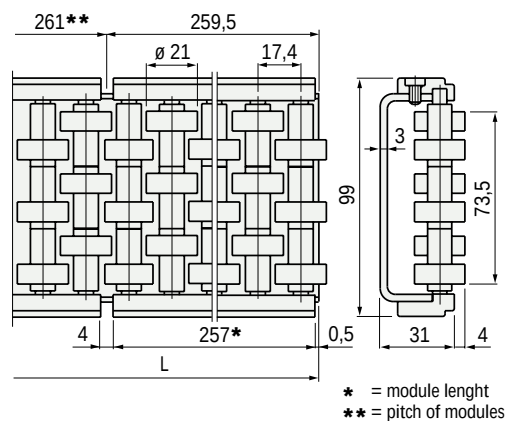


Part. 128



Straight run

Roller side guide



Part.	Length L mm	Metal profile, screws and pins material	Code	Weight kg/m
	1041	Zinc plated steel	64471	
		Stainless steel AISI 303	62660	
128	2085	Zinc plated steel	64481	5,0
		Stainless steel AISI 303	62690	
	3129	Zinc plated steel	64491	
		Stainless steel AISI 303	62890	

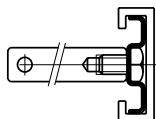
- Material : rollers in acetal POM (white). Side straps in polyamide PA (black).
- Packaging : n°2 strands.
- Accessories :



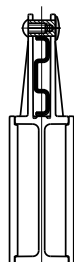
• **Types of guides**

using our 40x8 metal profile.

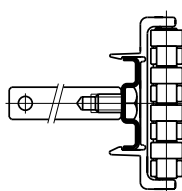
Part. 539



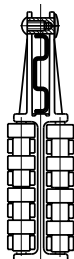
Part. 605 - 598



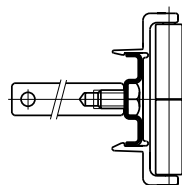
Part. 580



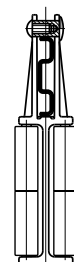
Part. 557 - 607



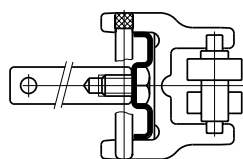
Part. 581



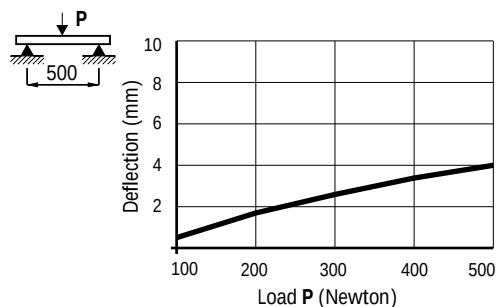
Part. 585 - 597



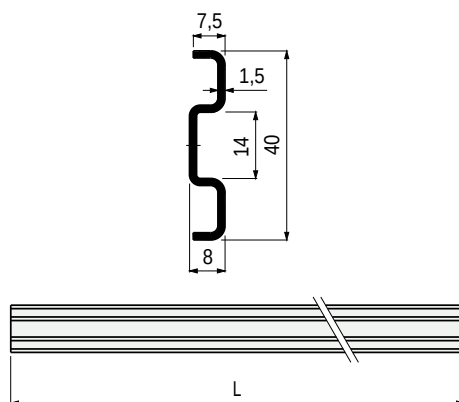
Part. 628 S



• **Deflection** of Part. 537



■ **Metal profile 40x8**



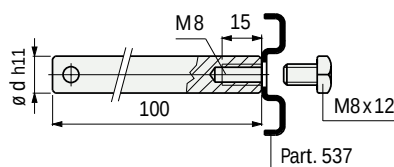
Part.	Material	Length L mm	Code
537	Stainless steel AISI 304	3209	689231
		6425	689241

- 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 90.

■ **Bolts set**



Part.	pin dia. d mm	Code	Weight 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

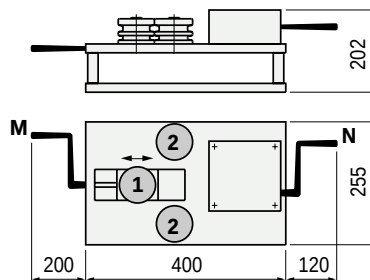


* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

Part. 218

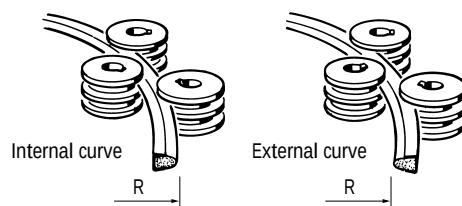


Guide rail bending machine (manual)



Part.	Code	Weight kg
218	60151*	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.



Bending procedure

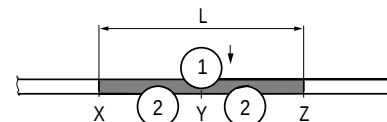
- 1- Calculate the length of the section to be bent L.

$$L = R \cdot K$$

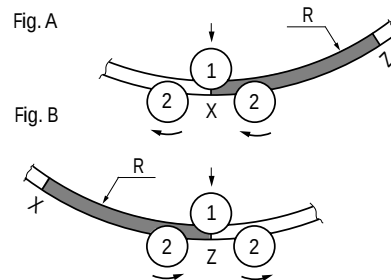
R = bend radius.
K = bend coefficient.

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.



Accessories

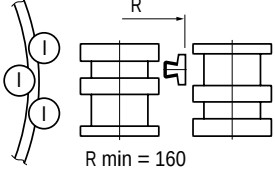
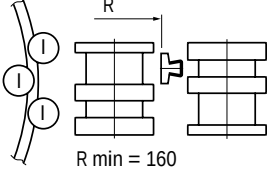
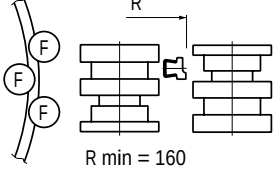
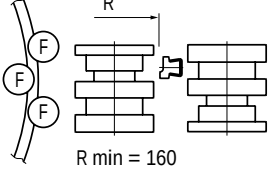
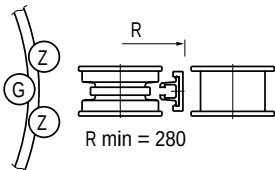
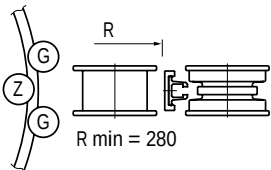
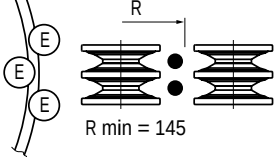
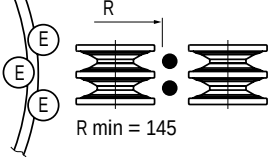
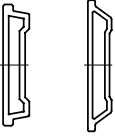
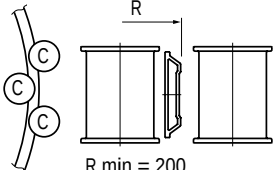
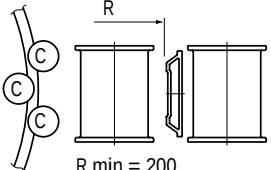
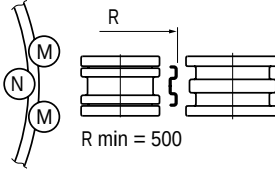
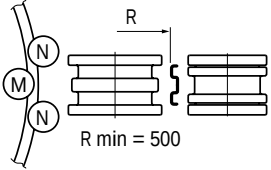
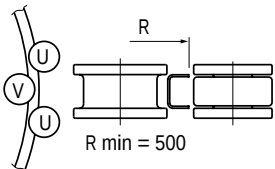
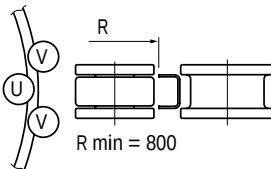
Part. 233



Rollers for bending

Part.	Types of guides to be bent	Inside bent rollers position	Outside bent rollers position	Code	No. of rollers
233	Part. 219 Part. 393 Part. 317 Part. 308 Part. 223	 R min = 145	 R min = 145	62791	4
	Part. 247	 R min = 145	 R min = 145	62811*	4
	Part. 346	 R min = 110	 R min = 110	64374*	4

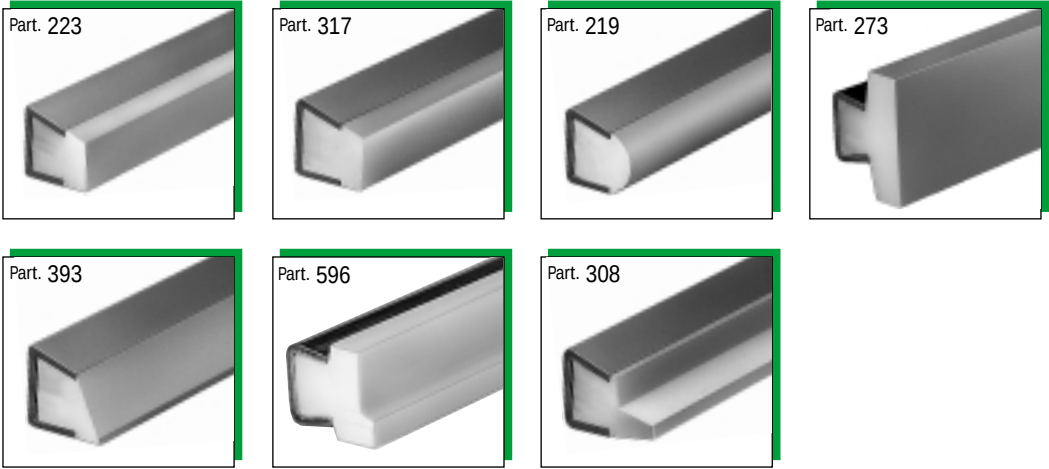
* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

Part.	Types of guides to be bent	Internal curve position of rollers	External curve position of rollers	Code	No. of rollers
233	Part. 273 	 R min = 160	 R min = 160	69232*	3
	Part. 596 	 R min = 160	 R min = 160	621462*	3
	Part. 422 	 R min = 280	 R min = 280	68179*	4
	Steel rods dia. 8 to 14 • mm 	 R min = 145	 R min = 145	62821*	3
	Part. 191 Part. 296 	 R min = 200	 R min = 200	62801*	3
	Part. 537 	 R min = 500	 R min = 500	689371*	4
	Part. 128 S 	 R min = 500	 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 Ø 14 mm can be bent only one at a time (use the lower groove to give less stress to the machine).

Guide rail clamps for

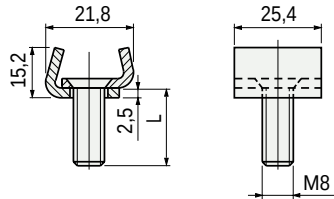
- Part. 223
- Part. 317
- Part. 219
- Part. 273
- Part. 393
- Part. 596
- Part. 308



Part. 903



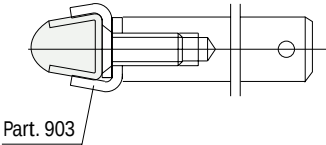
ViseClamp™



Part.	L mm	Code
903	20	656001*

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

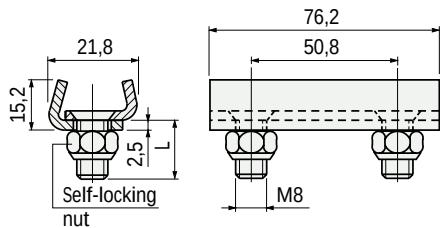
• Assembly of Part. 903



Part. 902



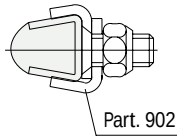
ViseSplice™



Part.	L mm	Code
902	15	656041*

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

• Assembly of Part. 902



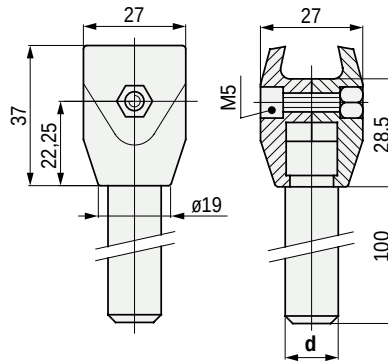
* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

for Part. 223 - 317 - 219 - 273 - 393 - 596 - 308

■ Guide rail clamp

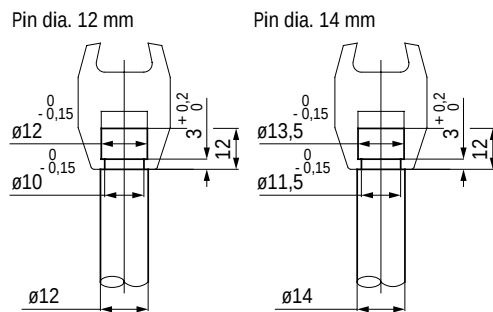
Part.	Pin dia. d mm	Code	Weight kg
210 P	12	620391	0,12
	14	618551	0,15

- 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.

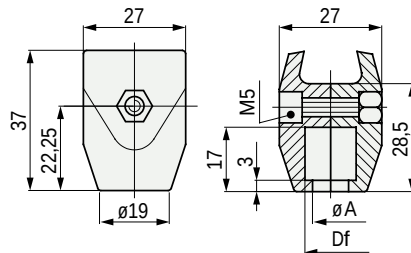


Part. **210 P**

• Pin dimensions for Part. 210



■ Guide rail clamp



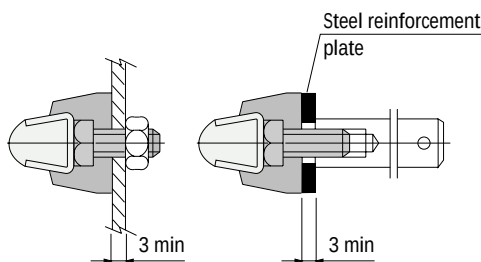
Part. **210**

Part.	Use	Bore dia. Df mm	Ø A mm	Code		Weight kg
				With Microban®	Without Microban®	
210	for pins dia. 12	12	10	652022	600372	0,02
	for pins dia. 14	13,5	11,5	-	59941	

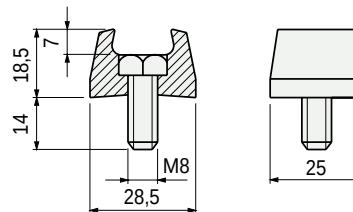
- Material : guide rail clamps in reinforced polyamide PA FV
- Bolt in stainless steel AISI 304. Nut in nickel plated brass.
- Colour : grey (with **Microban®**), black (without **Microban®**).
- Packaging : 100 pieces.



• Assembly of Part. 275



■ Guide rail clamp



Part. **275**

Part.	Code	Weight kg
275	66811	0,02

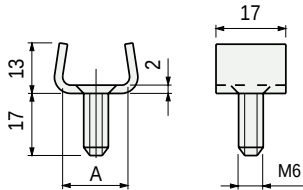
- Material : guide rail clamps in acetal POM (black), bolt in stainless steel AISI 304.
- Packaging : 100 pieces.

for Part. 223 - 317 - 219 - 273 - 393 - 596 - 308

Part. **216**



■ Guide rail clamp



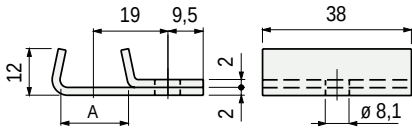
Part.	Use	A mm	Code	Weight kg
216	For guides with S = 1,5	16,5	60131*	0,01
	For guides with S = 2	17	64244	

- Material : stainless steel AISI 304.
- Packaging : 50 pieces.

Part. **215**



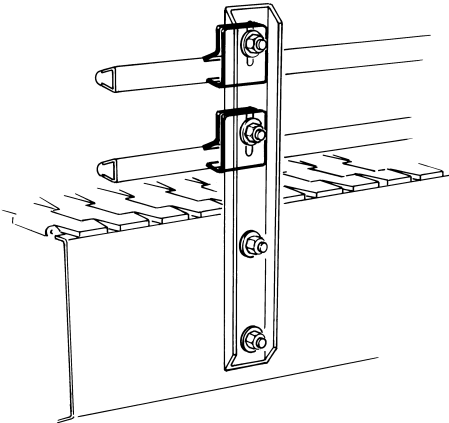
■ Guide rail clamp



Part.	Use	A mm	Code	Weight kg
215	For guides with S = 1,5	16,5	60121	0,04
	For guides with S = 2	17	65976	

- Material : stainless steel AISI 304.
- Packaging : 50 pieces.

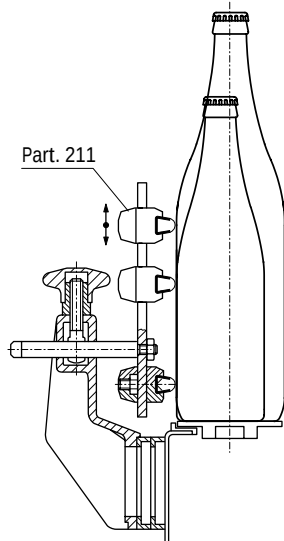
• Assembly of Part. 215



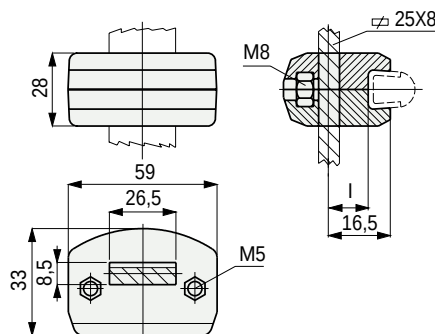
* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

for Part. 223 - 317 - 219 - 273 - 393 - 596 - 308

- **Assembly of Part. 211**
Unlimited height adjustment possible



Adjustable guide rail clamp



Part.	I mm	Code		Weight kg
		With Microban®	Without Microban®	
211	8	652032	59961	0,05

- Material : guide rail clamps in reinforced polyamide PA FV. Bolts in stainless steel AISI 304. Nuts in nickel plated brass.
- Colour : grey (with **Microban®**), black (without **Microban®**).
- Packaging : 100 pieces.

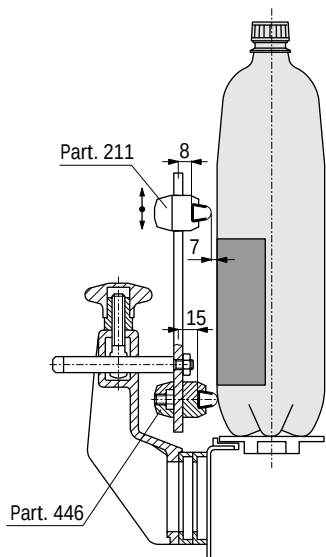
Part. 211



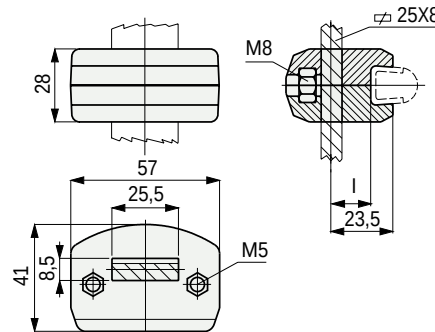
Distance I = 8 mm



- **Assembly of Part. 211-446**
PET bottle movement (subject to swelling).



Adjustable guide rail clamp



Part.	I mm	Code		Weight kg
		With Microban®	Without Microban®	
446	15	607651		0,05

- Material : guide rail clamps in reinforced polyamide PA FV (black). Bolts in stainless steel AISI 304. Nuts in nickel plated brass.
- Packaging : 50 pieces.

Part. 446



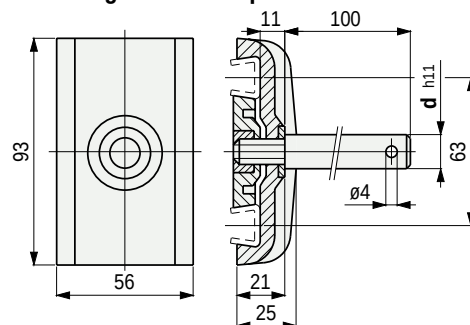
Distance I = 15 mm

for Part. 223 - 317 - 219 - 273 - 393 - 596 - 308

Part. 213



Double guide rail clamp



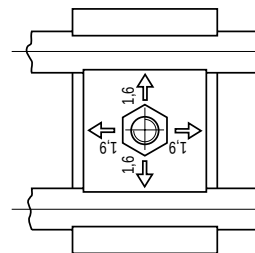
Part.	Pin dia. d mm	Code		Weight kg
		With Microban®	Without Microban®	
213	12	652042	60091	0,19
	14	-	60181	0,22
	16	-	60191	0,25

- 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

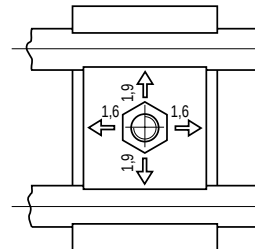
The plate inside the clamp must be positioned to suit the thickness of the guide.

Position of plate for assembly of guides of thickness $s = 1,5$.



Position of plate for assembly of guides of thickness $s = 2$.

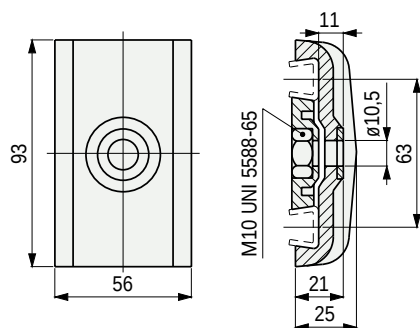
The plate is turned through 90°.



Part. 213



Double guide rail clamp



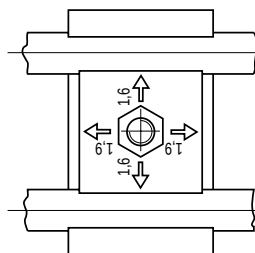
Part.	Code	Weight kg
213	60101	0,08

- Material : guide rail clamp in reinforced polyamide PA FV (black). Washer in stainless steel AISI 304. Nut in nickel plated brass.
- Packaging : 50 pieces.

• Assembly of Part. 213

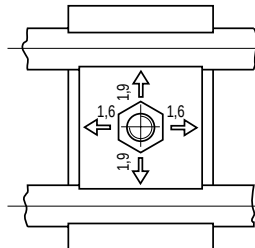
The plate inside the clamp must be positioned to suit the thickness of the guide.

Position of plate for assembly of guides of thickness $s = 1,5$.

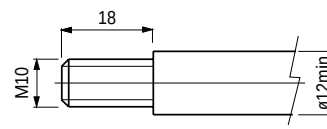


Position of plate for assembly of guides of thickness $s = 2$.

The plate is turned through 90°.

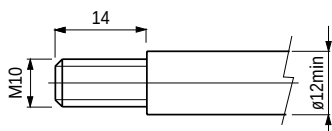


• Pin dimensions for Part. 213

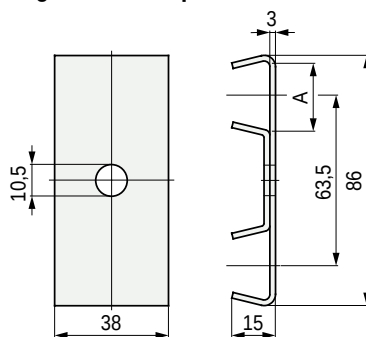


for Part. 223 - 317 - 219 - 273 - 393 - 596 - 308

• Pin dimensions for Part. 217



■ Double guide rail clamp



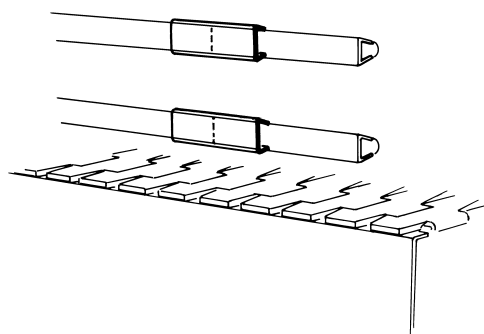
Part.	Use	A mm	Code	Weight kg
217	For guides with S = 1,5	16,5	60141	0,14

- Material : stainless steel AISI 304.
- Packaging : 50 pieces.

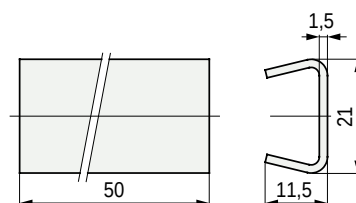
Part. **217**



• Assembly of Part. 214



■ Joint clamp



Part.	Code	Weight kg
214	60111	0,02

- Material : stainless steel AISI 304.
- Packaging : 50 pieces.

Part. **214**



Guide rail clamps for

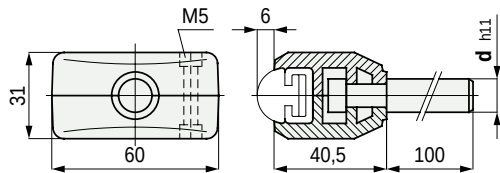
- Part. 247



Part. 236



Guide rail clamp



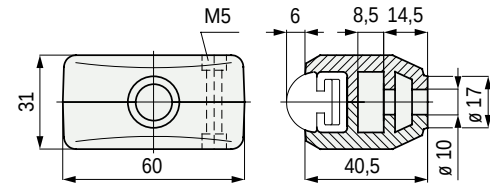
Part.	Pin dia. d mm	Code	Weight kg
236	12	63931	0,13
	14	63941	0,18
	16	63951*	0,23

- 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



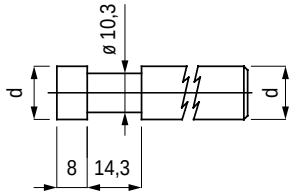
Guide rail clamp



Part.	Code	Weight 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

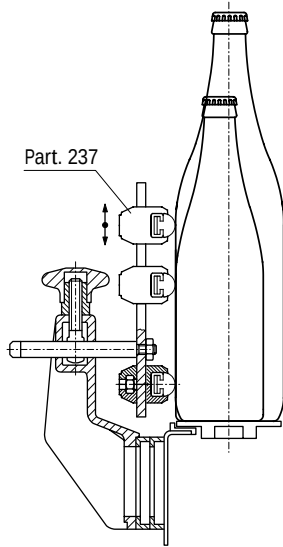


d = dia. 12 to 16 mm

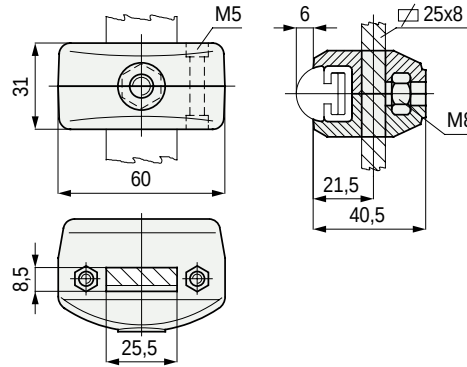
* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

for Part. 247

- **Assembly of Part. 237**
Unlimited height adjustment possible



Adjustable guide rail clamp



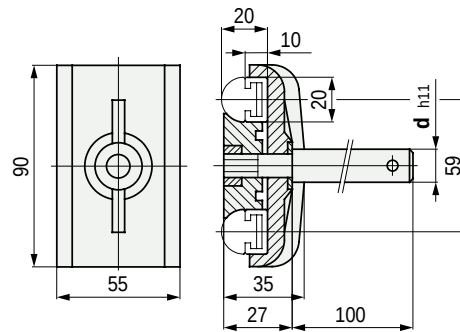
Part.	Code	Weight kg
237	63151	0,06

- Material : guide rail clamps in reinforced polyamide PA FV (black).
- Bolts in stainless steel AISI 304. Nuts in nickel plated brass.
- Packaging : 50 pieces.

Part. 237



Double guide rail clamp



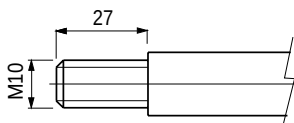
Part.	Pin dia. d mm	Code	Weight kg
	12	51590	0,20
116	14	51600	0,23
	16	55010	0,26

- 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.

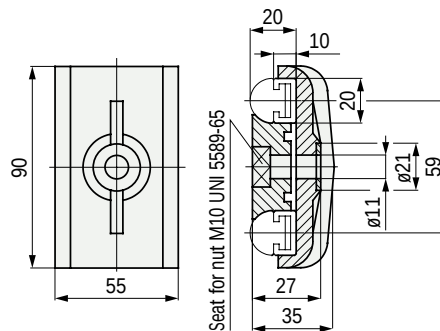
Part. 116



- **Pin dimensions for Part. 111**



Double guide rail clamp



Part.	Code	Weight kg
111	51580	0,08

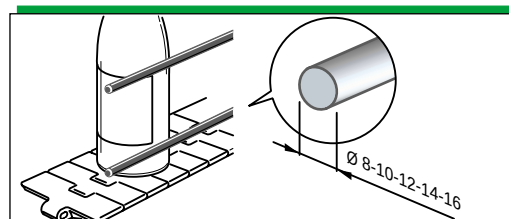
- Material : guide rail clamp in reinforced polyamide PA FV (black). Washer in stainless steel AISI 304.
- State of supply : supplied without tightening nut.
- Packaging : 50 pieces.

Part. 111



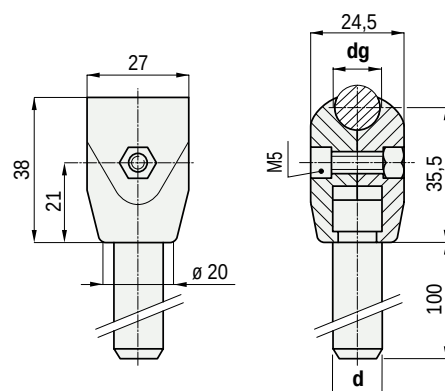
Guide rail clamps for

- Round steel rods



Part. 82 P

■ Guide rail clamp

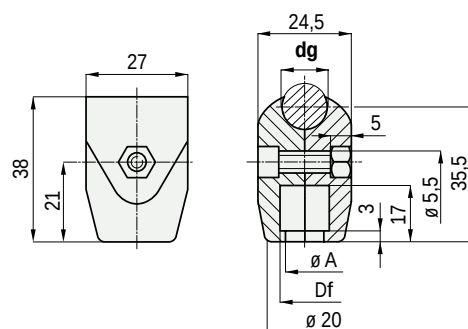


Part.	Pin dia. d mm	Guide dia. dg mm	Code	Weight kg
82 P	12	12	618491	0,12
		14	618501	
	14	12	618511	0,15
		14	618521	

- 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. 82-82 B

■ Guide rail clamp

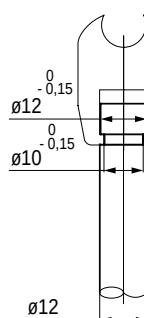


Part.	Use	Bore dia. Df mm	Ø A mm	Guide dia. dg mm	Code	Weight kg
• Without tightening bolt						
82	for pins dia. 12	12	10	12	66861	0,01
				14	66871*	
	for pins dia. 14	13,5	11,5	12	50930*	
				14	50940*	
• With tightening bolt						
82 B	for pins dia. 12	12	10	12	66838	0,01
				14	66848	
	for pins dia. 14	13,5	11,5	12	607251	
				14	607261	

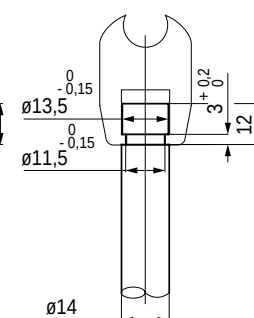
- Material : guide rail clamps in reinforced polyamide PA FV (black).
- Bolt in stainless steel AISI 304. Nut in nickel plated brass.
- Packaging : 100 pieces.

• Pin dimensions for Part. 82 - 82 B

Pin dia. 12 mm



Pin dia. 14 mm

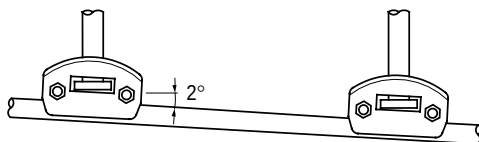


* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

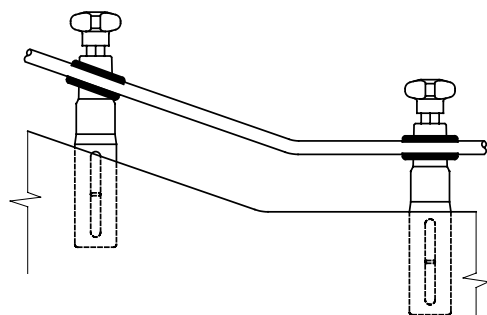
for round steel rods

• **Assembly of Part. 478**

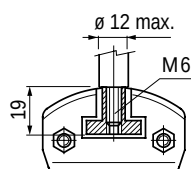
It is possible an inclination of 2° of the guide rail



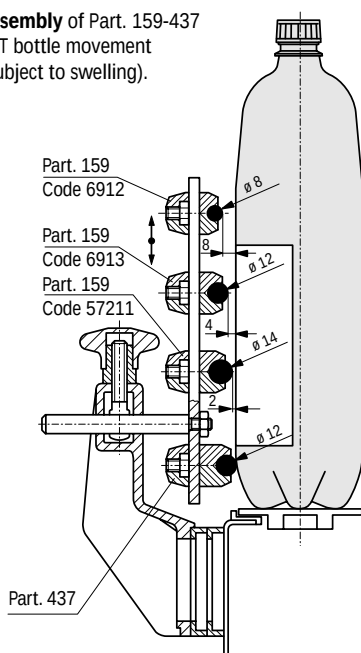
Recommended for inclined conveyors (with any angle).



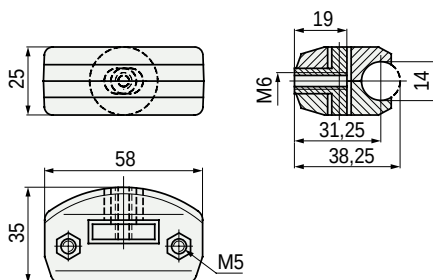
• **Pin dimensions for Part. 478**



• **Assembly of Part. 159-437**
PET bottle movement
(subject to swelling).



■ **Pivoting guide rail clamp**



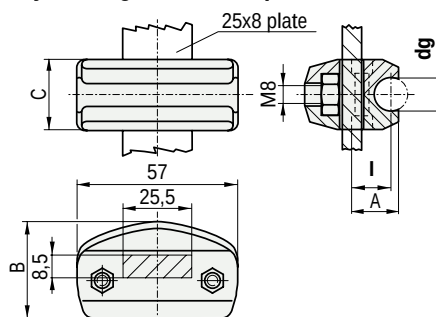
Part.	Code	Weight kg
478	670151	0,06

- Material : guide rail clamps in reinforced polyamide PA FV (black). Insert in brass. Bolts in stainless steel AISI 304. Nuts in nickel plated brass.
- Packaging : 50 pieces.



Pivoting

■ **Adjustable guide rail clamps**



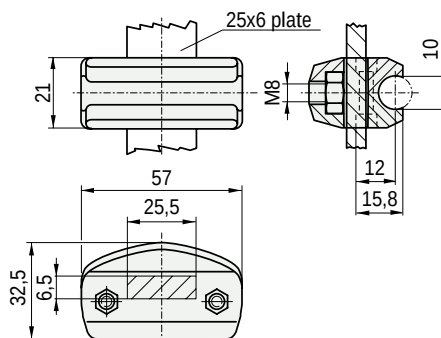
Part.	Guide dia. dg mm	I mm	A mm	B mm	C mm	Code	Weight kg
	8	12	15,5	32,5	21	69120	
	10	12	15,8	32,5	21	622381	
159	12	14	17,8	35	25	69130	0,05
	14	15	19,5	35	25	57211	
437	12	18	22	41	25	68089	0,05

- Material : guide rail clamps in reinforced polyamide PA FV (black). Bolts in stainless steel AISI 304. Nuts in nickel plated brass.
- Packaging : 50 pieces.



For 25 x 8 plates

■ **Adjustable guide rail clamp**



Part.	Code	Weight kg
451	63389	0,05

- Material : guide rail clamps in reinforced polyamide PA FV (black). Bolts in stainless steel AISI 304. Nuts in nickel plated brass.
- Packaging : 50 pieces.



For 25 x 6 plates

Part. 478

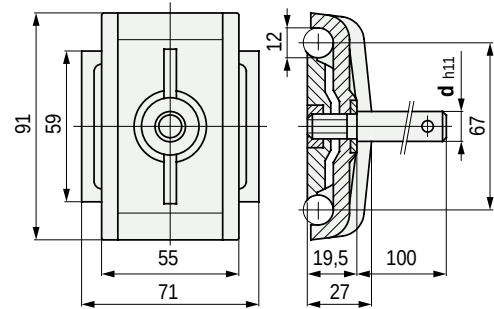
Part. 159-437

Part. 451

for round steel rods

Part. 71

Double guide rail clamp

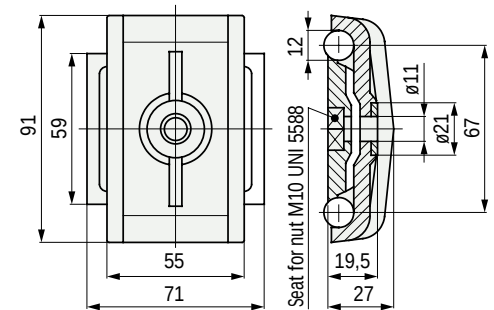


Part.	Pin dia. d mm	Code	Weight kg
71	12	50960	0,20
	14	50970	0,22
	16	50980*	0,26

- 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.

Part. 70

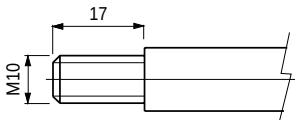
Double guide rail clamp



Part.	Code	Weight kg
70	50950	0,09

- 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.

Pin dimensions for Part. 70



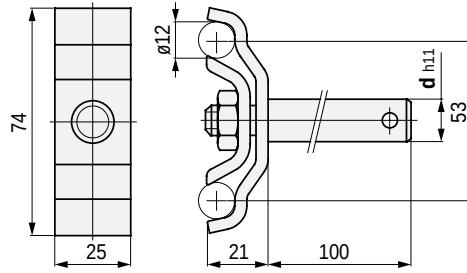
* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

for round steel rods

■ **Double guide rail clamp**

Part.	Pin dia. d mm	Code	Weight kg
50	12	53801	0,34
	14	51000	0,36
	16	647871	0,38

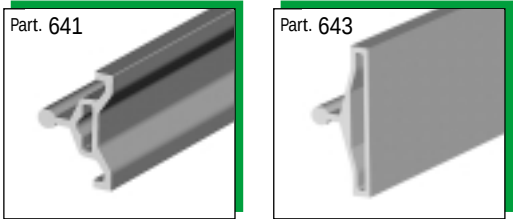
- Material : guide rail clamp and tightening nut in stainless steel AISI 304. Pin in stainless steel AISI 303.
- Packaging : 50 pieces.



Part. 50

Guide rail clamps for

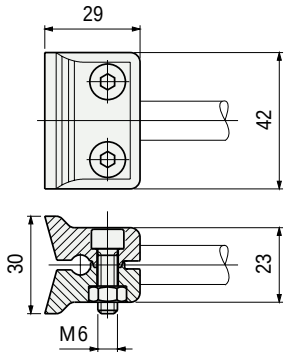
- Part. 641
- Part. 643



Part. 646



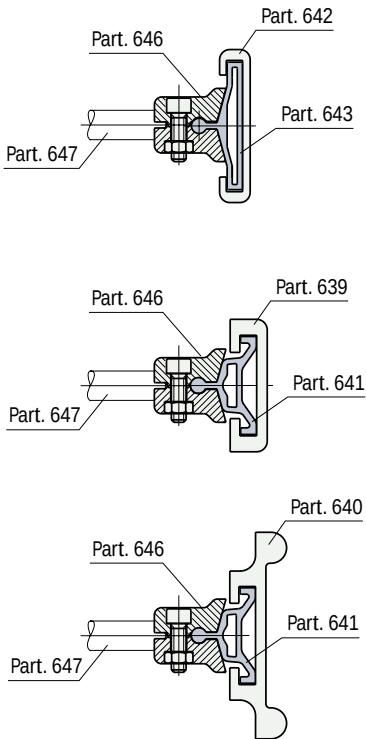
■ Guide rail clamp



Part.	Code	Weight kg
646	652362	—

- Material : guide rail clamps in polyketone (black).
- Bolts and nuts in stainless steel.
- Packaging : 50 pieces.

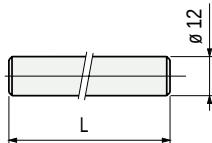
• Assembly of Part. 646-647



Part. 647



■ 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.



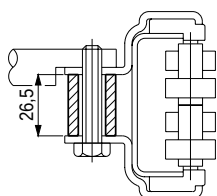
Guide rail clamps for

- Part. 128 S
- Part. 128

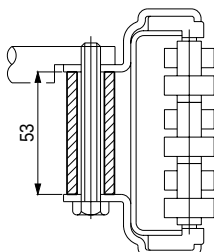
• Assembly of Part. 373

For the use of double and triple execution rails it is necessary a spacer.

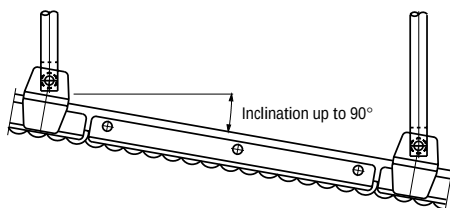
Spacer for double execution guide rail



Spacer for triple execution guide rail



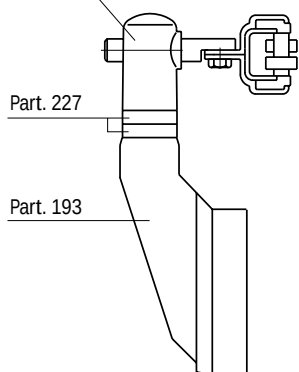
The clamp allow the guide to be mounted at an angle



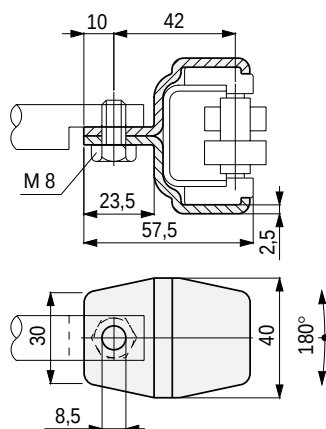
Part. 359

Part. 227

Part. 193



■ Guide rail clamp



Part. 373



Part.	Material	Code	Weight kg
373	Stainless steel AISI 304	63506	
	Zinc plated steel	64156	0,11

- Packaging : 50 pieces.
- Suitable to use in curves also.

Guide rail clamps for

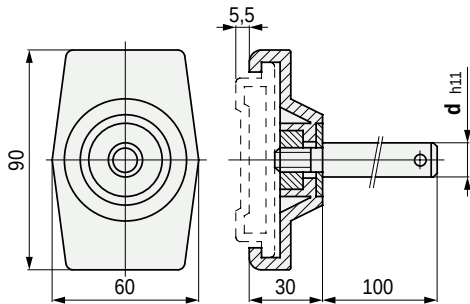
- Part. 191



Part. 190



■ Guide rail clamp

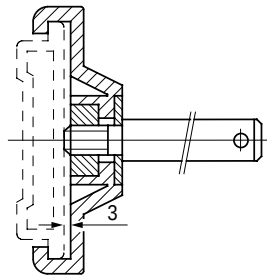


Part.	Pin dia. d mm	Code	Weight kg
	12	55741	0,18
190	14	55751	0,22
	16	55761	0,25

- 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

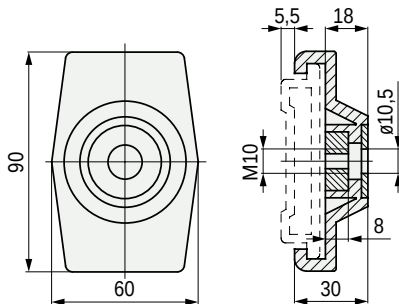
The protrusion of the pin allows the guide to be locked axially



Part. 184



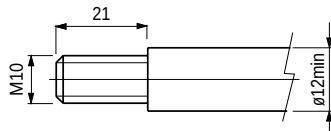
■ Guide rail clamp



Part.	Code	Weight 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

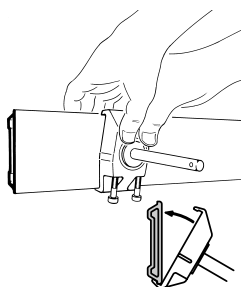


Guide rail clamps for

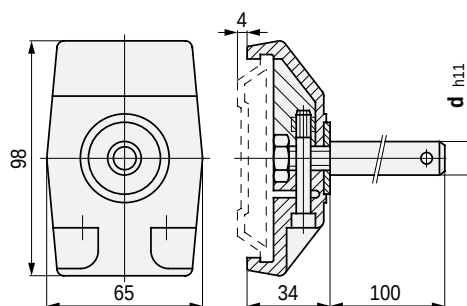
- Part. 296

• 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



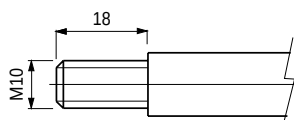
Part.	Pin dia. d mm	Code	Weight kg
	12	60372	0,12
298	14	60382	0,25
	16	60392	0,29

- Material : guide rail clamp in reinforced polyamide PA FV (black). Pin in stainless steel AISI 303. Washer and tightening screws in stainless steel AISI 304. Nuts in nickel plated brass.
- Packaging : 50 pieces.
- **Suitable to use in curves also.**

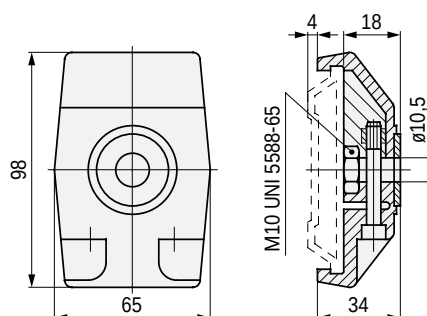
Part. 298



• Pin dimensions for Part. 298



■ Guide rail clamp



Part.	Code	Weight 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.**

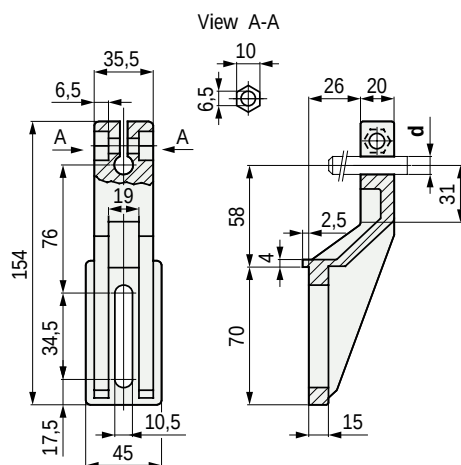
Part. 298



Part. 81



Bracket



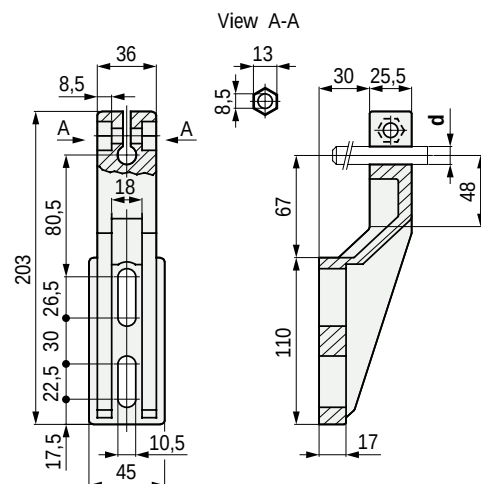
Part.	Material	Pin dia. d mm	Code	Weight kg
81	Polyamide PA (black)	12	50770	0,11
		14	50780*	

- 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

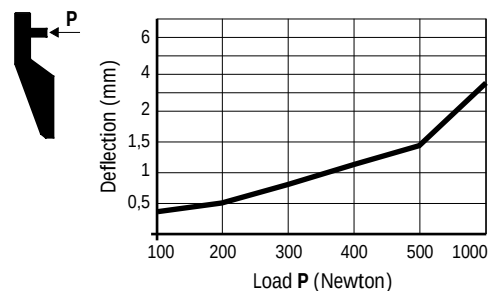


Part.	Material	Pin dia. d mm	Code	Weight kg
	Polyamide PA (black)	14	50790	0,17
72	Reinforced polypropylene PP FV (black)	16	50800	
		14	57120	0,17
		16	57130*	

- 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 :

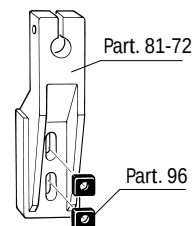


2500 N

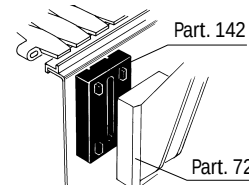
Tests performed at tightening torque : 0,6 Kgm

Accessories

Square washer Part. 96, see page 129.
Applicable to Part. 81-72 distributes force from tightening over larger area.

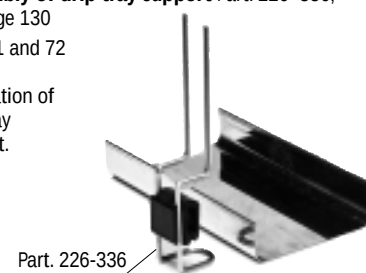


Spacer Part. 142, see page 128.
Applicable to Part. 72

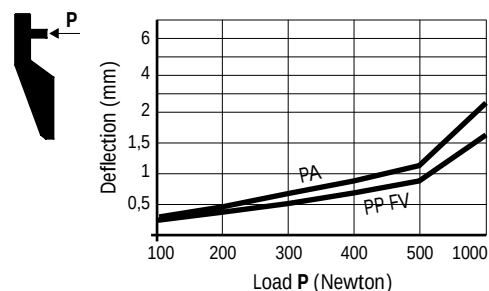


Assembly of drip tray support Part. 226-336, see page 130

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)

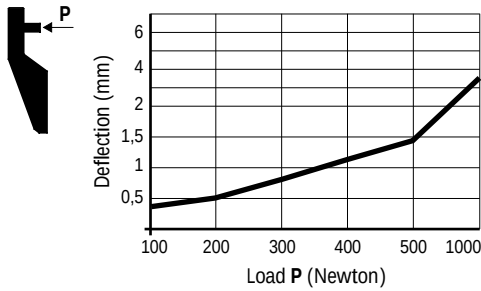
- Breaking load :



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)

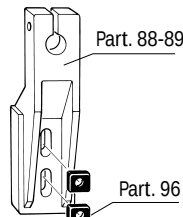


2500 N

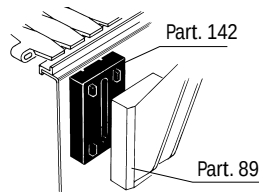
Tests performed at tightening torque : 0,6 Kgm

• **Accessories**

Square washer Part. 96, see page 129.
Applicable to Part. 88-89 distributes force from tightening over larger area.

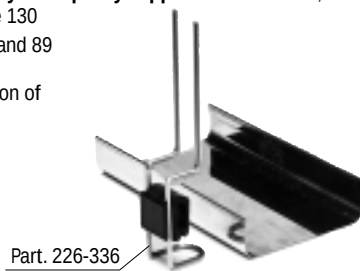


Spacer Part. 142, see page 128.
Applicable to Part. 89

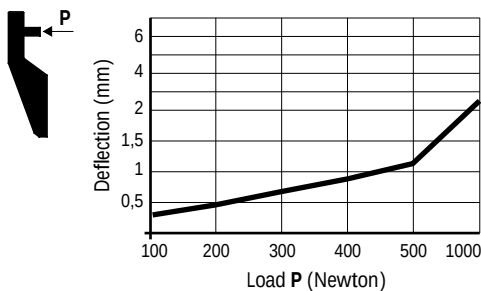


• **Assembly of drip tray support** Part. 226-336, see page 130

Part. 88 and 89 permit application of drip tray support.



• **Deflection** of Part. 89



• **Technical data** Part. 89

- Sliding load resistance :

- Breaking load :



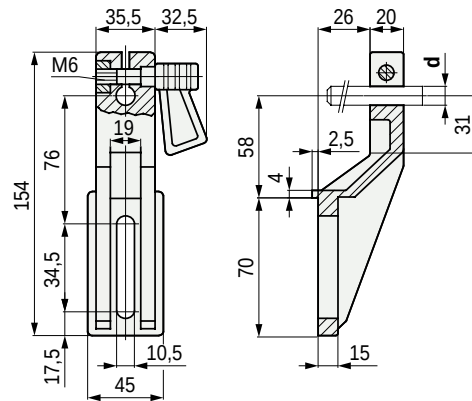
1450 N (with d = 12)
1300 N (with d = 14)
1100 N (with d = 16)



2700 N

Tests performed at tightening torque : 0,6 Kgm

■ **Bracket with ratchet handle clamping**



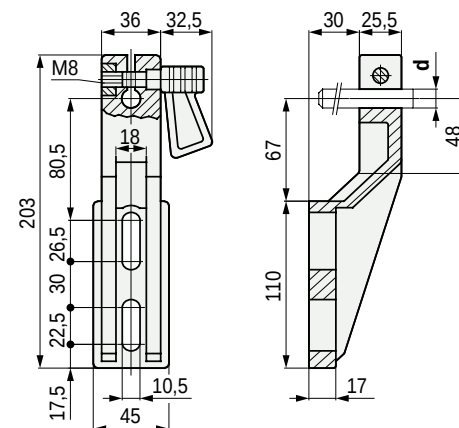
Part.	Material	Pin dia d mm	Code	Weight kg
88	Polyamide PA (black)	12	50730	0,15
		14	50740	

- 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 d mm	Code	Weight 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.

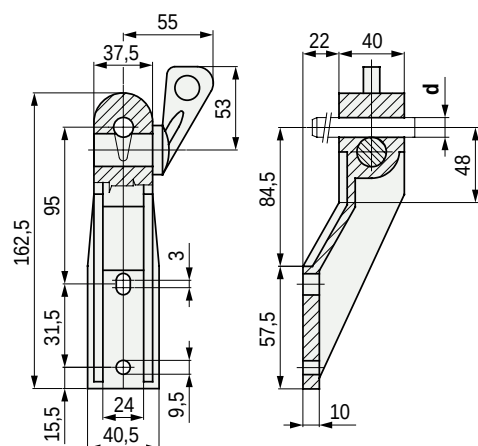


Part. 89

Part. 85



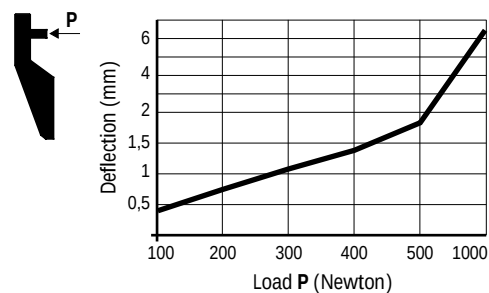
Bracket with eccentric lever



Part.	Material	Pin dia. d mm	Code	Weight kg
85	Reinforced polypropylene PP FV (black)	12	50810	0,13
		14	50820	

- Packaging : 50 pieces.

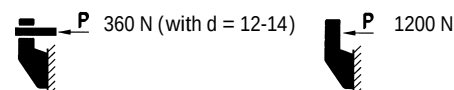
Deflection of Part. 85



Technical data Part. 85

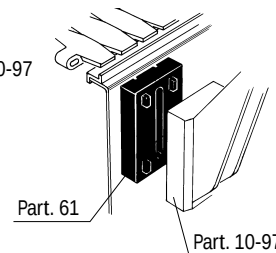
- Sliding load resistance :

- Breaking load :



Accessories

Spacer Part. 61,
see page 128.
Applicable to Part. 10-97



Assembly of drip tray support Part. 226-336, see page 130

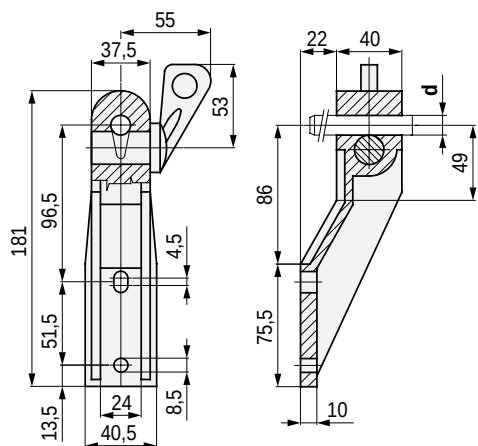
Part. 85-10-97 permit application of drip tray support.



Part. 10-97



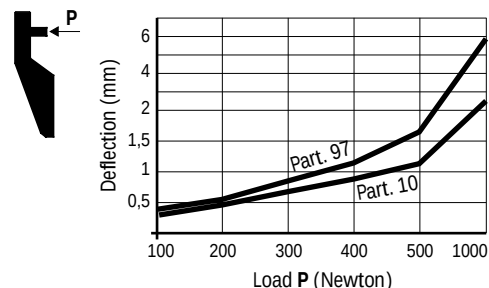
Bracket with eccentric lever



Part.	Material	Pin dia. d mm	Code	Weight 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.

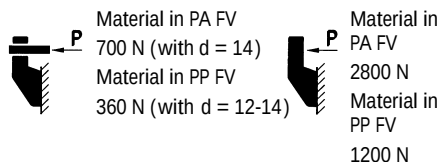
Deflection of Part. 10-97



Technical data Part. 10-97

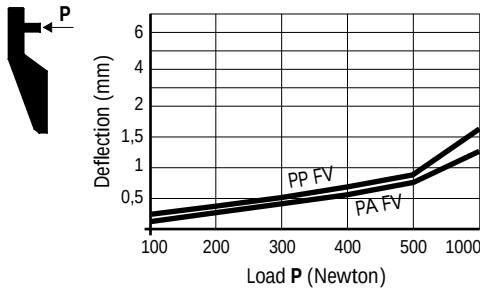
- Sliding load resistance :

- Breaking load :



Part. 107

• **Deflection** of Part. 107



• **Technical data** Part. 107

- Sliding load resistance :

- Breaking load :

Material in PA FV	Material in
2000 N (with d = 12)	PA FV
3200 N (with d = 14)	4500 N
Material in PP FV	Material in
1300 N (with d = 12)	PP FV
1700 N (with d = 14)	3300 N

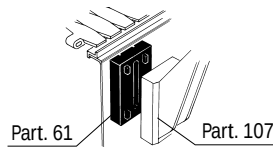
Tests performed at tightening torque : 4 Kgm

• **Accessories**

Spacer Part. 61,

see page 128.

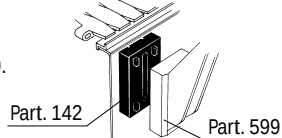
Applicable to Part. 107.



Spacer Part. 142,

see page 128.

Applicable to Part. 599.



• **Assembly of drip tray support** Part. 226-336,

see page 130

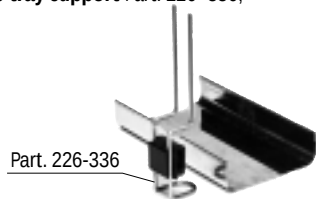
Part. 107 and 599

permit

application

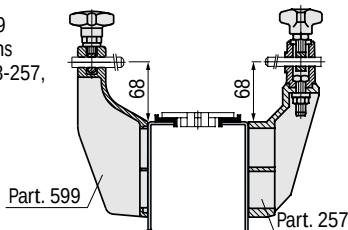
of drip tray

support.

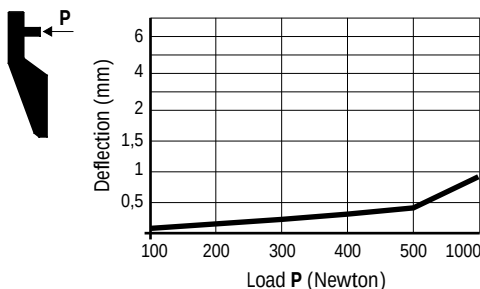


• **Use of Part. 599**

Same dimensions
as Part. 163-178-257,
can be used
alternatively.



• **Deflection** of Part. 599



• **Technical data** Part. 599

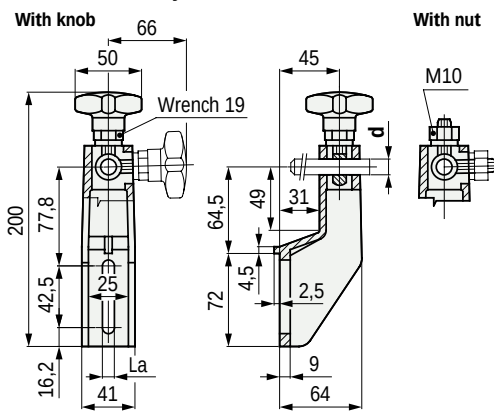
- Sliding load resistance :

- Breaking load :

2000 N (with d = 12)	3000 N
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Tests performed at tightening torque : 4 Kgm

Bracket with eyebolt



		Code		
Part.	Material	Pin dia. d mm	With Microban® La = 9	Without Microban® La = 9 La = 10,5
• With knob				
	Reinforced polyamide	12	652052	50710 68200
	PA FV (black)	14	-	67811 67821
		16	-	655512 655522
107				
	Reinforced polypropylene	12	-	59121* 59131*
	PP FV (black)	14	-	67831* 67841*
		16	-	655532 655542
• With nut				
	Reinforced polyamide	12	-	57341* 57351
	PA FV (black)	14	-	67771* 67781
		16	-	655552 655562
107				
	Reinforced polypropylene	12	-	59141 59151*
	PP FV (black)	14	-	67791 67801
		16	-	655572 655582

• = Knob supplied without hexagonal nut for wrench 19 mm (economical version).

- Material : knob in reinforced polyamide, hexagonal insert (for 19 mm wrench) in nickel plated brass, tightening nut and eyebolt in stainless steel AISI 304.

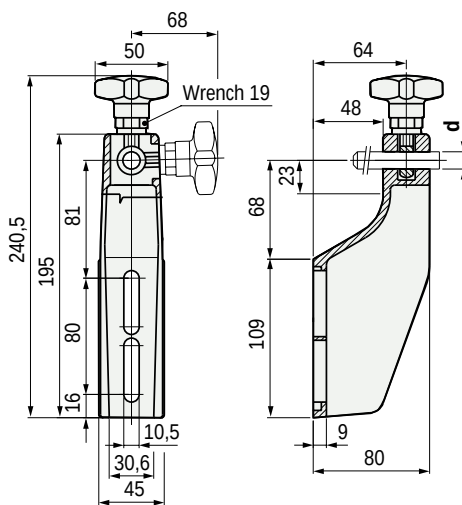
- Colour : grey (with Microban®), black (without Microban®).

- Weight : 0.15 Kg.

- Max recommended tightening torque : 4 Kgm.

- Packaging : 50 pieces.

Bracket with eyebolt



Part.	Material	Pin dia. d mm	Code	Weight kg
599				
	Reinforced polyamide	12	613572	0,11
	PA FV (black)	16	655592	

- Material : knob in reinforced polyamide (black), hexagonal insert (for 19 mm wrench) in nickel plated brass, tightening nut and eyebolt in stainless steel AISI 304.

- Max recommended tightening torque : 4 Kgm.

- Packaging : 50 pieces.



Part. 599

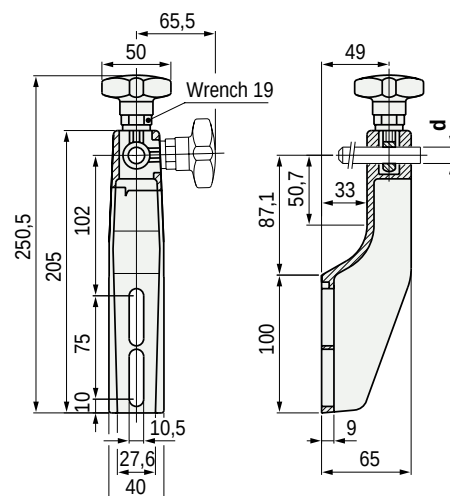


* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

Part. 617



Bracket with eyebolt



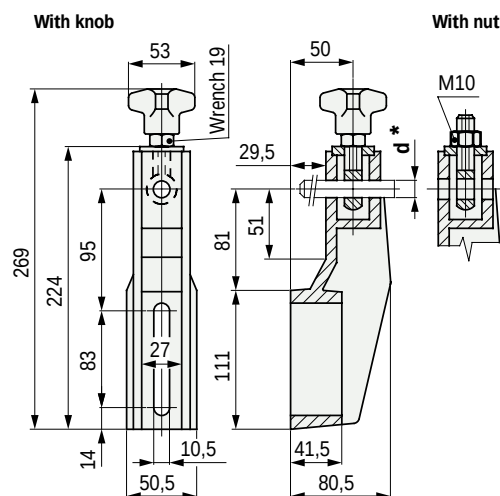
Part.	Material	Pin dia. d mm	Code	Weight kg
617	Reinforced polyamide PA FV (black)	12	613562	0,18
		16	655602	

- Material : knob in reinforced polyamide (black), hexagonal insert (for 19 mm wrench) in nickel plated brass, tightening nut and eyebolt in stainless steel AISI 304.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 50 pieces.

Part. 140



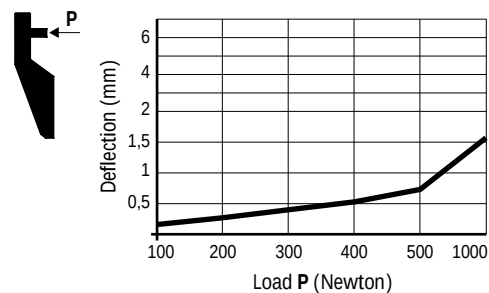
Bracket with eyebolt



Part.	Pin dia. d * mm	Version	Code	Weight kg
140	14÷16	with knob	66690	0,47
		with nut	57421	0,47

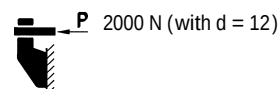
- * = The bracket can be used with $\varnothing$ 14 and $\varnothing$ 16 mm pins.
- Material : bracket and knob in reinforced polyamide (black), hexagonal insert (for 19 mm wrench) in nickel plated brass, tightening nut and eyebolt in stainless steel AISI 304.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 25 pieces.

Deflection of Part. 617

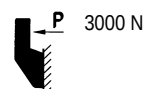


Technical data Part. 617

- Sliding load resistance :



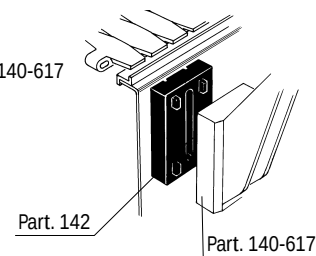
- Breaking load :



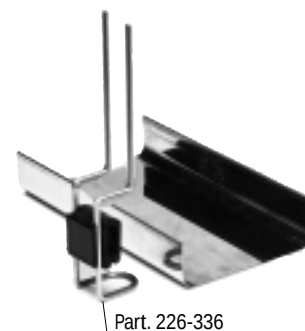
Tests performed at tightening torque : 4 Kgm

Accessories

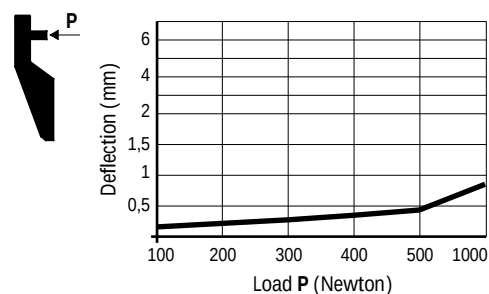
Spacer Part. 142,
see page 128.
Applicable to Part. 140-617



- Assembly of drip tray support Part. 226-336, see page 130
Part. 140 - 617 permit application of drip tray support.

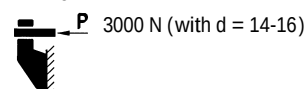


Deflection of Part. 140

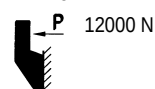


Technical data Part. 140

- Sliding load resistance :

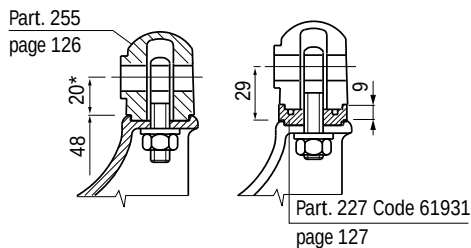


- Breaking load :



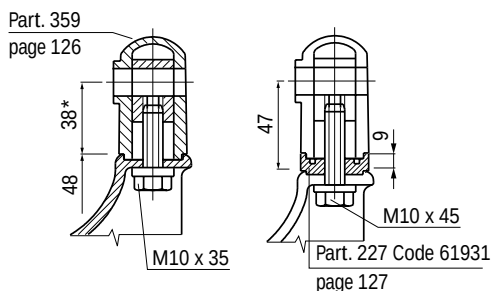
Tests performed at tightening torque : 4 Kgm

• **Assembly with swivel head Part. 255**



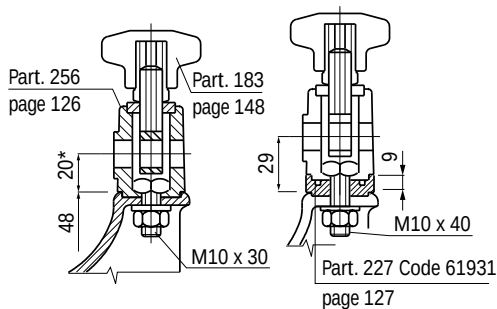
* = To increase the height (by 9 mm) use 1 spacer Part. 227 code 61931. The length of the thread allows for only 1 spacer.

• **Assembly with swivel head Part. 359**



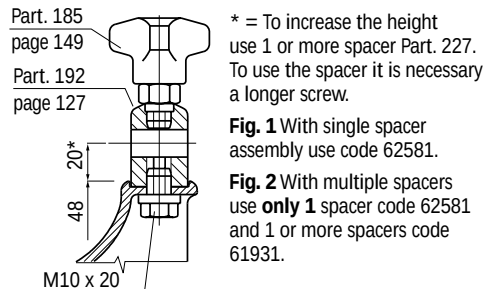
* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931. To use the spacer it is necessary a longer screw.

• **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 increase the height use 1 or more spacer Part. 227. To use the spacer it is necessary a longer screw.

Fig. 1 With single spacer assembly use code 62581.

Fig. 2 With multiple spacers use **only 1** spacer code 62581 and 1 or more spacers code 61931.

Fig. 1

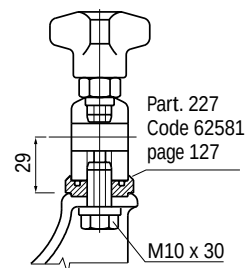
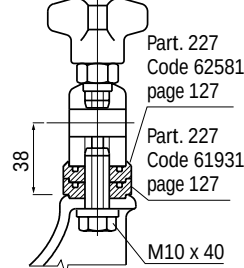
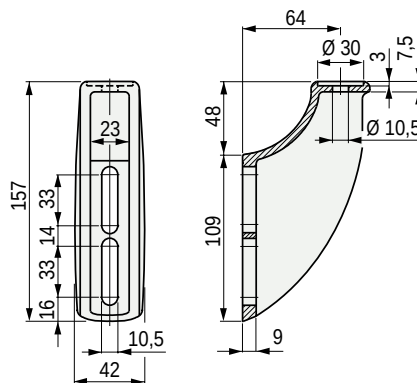


Fig. 2



■ **Adjustable bracket**



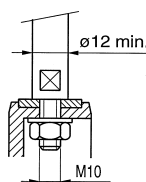
Part.	Material	Code	Weight kg
632	Reinforced polyamide PA FV (black)	647142	0,21

- Packaging : 50 pieces.

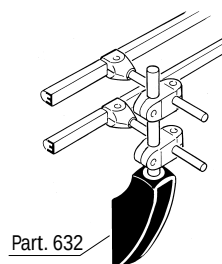
Part. 632



• **Pin dimensions for Part. 632**



• **Assembly of Part. 632**

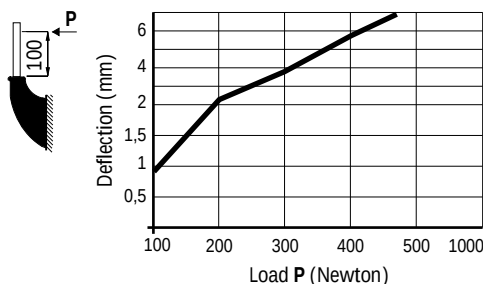


• **Assembly of drip tray support Part. 226-336, see page 130**

Part. 632 permit application of drip tray support.

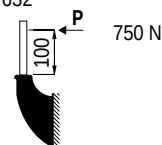


• **Deflection of Part. 632**

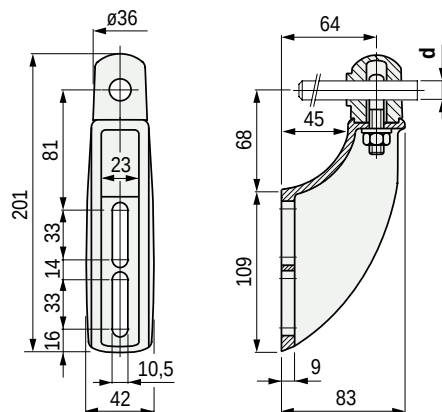


• **Technical data Part. 632**

- Breaking load :



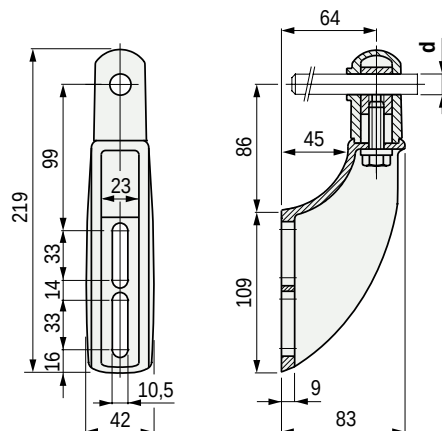
Part. 635



Part.	Material	Pin dia. d mm	Code	Weight kg
635	Reinforced polyamide PA FV (black)	12	648312	0,30
		14	648322	
		16	648332	

- 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.

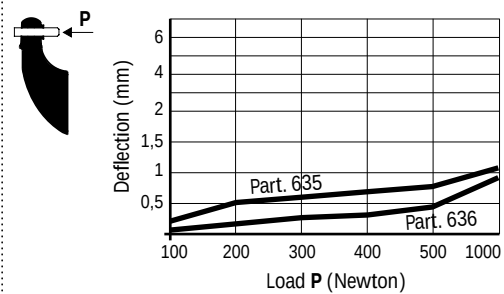
Part. 636



Part.	Material	Pin dia. d mm	Code	Weight kg
636	Reinforced polyamide PA FV (black)	12	648342	0,30
		14	648352	
		16	648362	

- Material : bracket and swivel head in reinforced polyamide (black), eyebolt in nickel plated brass, 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.

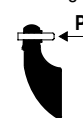
• Deflection of Part. 635 - 636



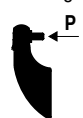
• Technical data Part. 635 - 636

- Sliding load resistance :

- Breaking load :



Part. 635
2000 N (with $d = 12$)
3000 N (with $d = 14-16$)

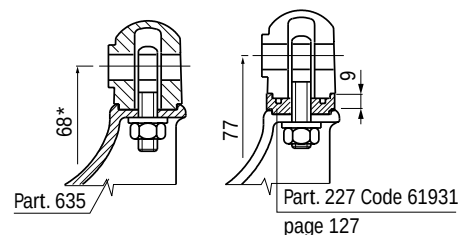


Part. 635
4000 N

Part. 636
3000 N

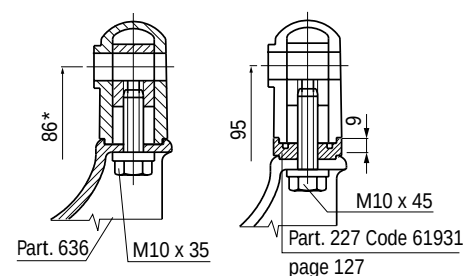
Tests performed at tightening torque : 4 Kgm

Spacer Part. 227, see page 127. Applicable to Part. 635



* = To increase the height (by 9 mm) use 1 spacer Part. 227 code 61931. The length of the thread allows for only 1 spacer.

Spacer Part. 227, see page 127. Applicable to Part. 636



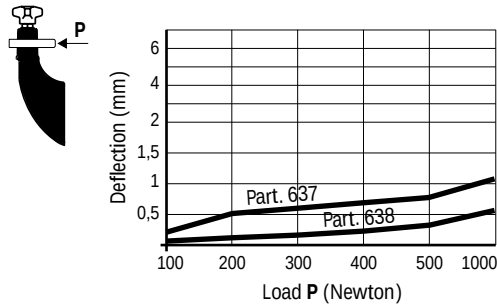
* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931. To use the spacer it is necessary a longer screw.

• Assembly of drip tray support Part. 226 - 336, see page 130

Part. 635 - 636 permit application of drip tray support.



• **Deflection** of Part. 637 - 638



• **Technical data** Part. 637 - 638

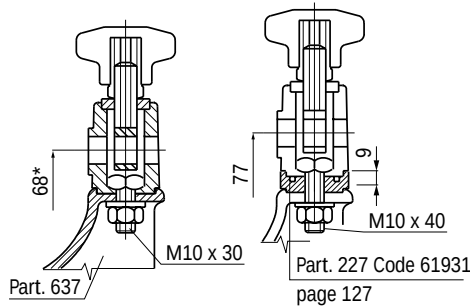
- Sliding load resistance :

- Breaking load :

	Part. 637		Part. 637
	2000 N (with d = 12)		4000 N
	3000 N (with d = 14-16)		Part. 638
	Part. 638		3500 N
	No sliding		

Tests performed at tightening torque : 4 Kgm

Spacer Part. 227, see page 127. Applicable to Part. 637



* = 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.

Spacer Part. 227, see page 127. Applicable to Part. 638

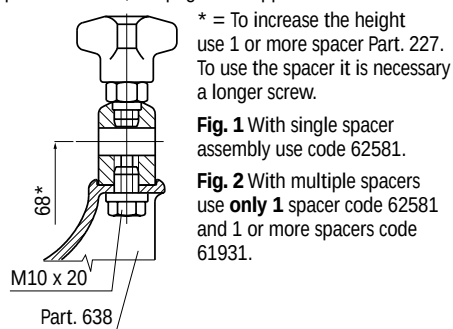


Fig. 1

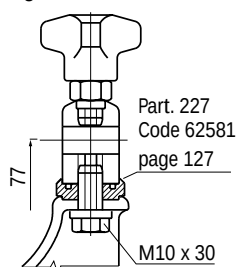
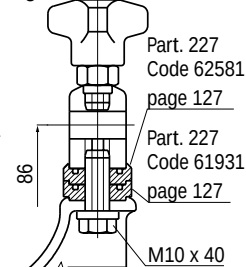


Fig. 2

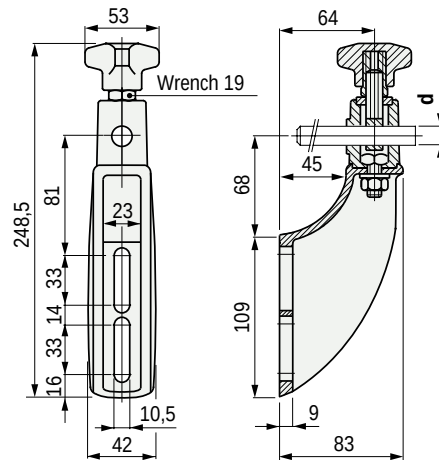


• **Assembly of drip tray support** Part. 226- 336, see page 130

Part. 637 - 638 permit application of drip tray support.



■ **Adjustable bracket**



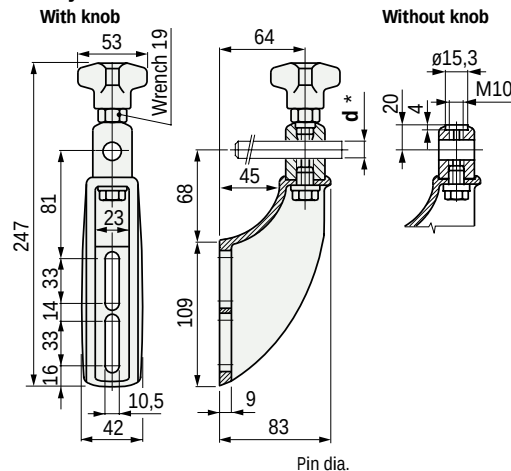
Part.	Material	Pin dia. d mm	Code	Weight kg
637	Reinforced polyamide PA FV (black)	12	648372	0,40
		14	648382	
		16	648392	

- 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.

Part. 637



■ **Adjustable bracket**



Part.	Swivel head material	Pin dia. d *	Code	Weight kg
638	Stainless steel AISI 303 Nickel plated brass	14 to 16	648402	0,50
			648412	
			648422	
638	Stainless steel AISI 303 Nickel plated brass	14 to 16	648432	0,50
			648432	

- * = 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. 638

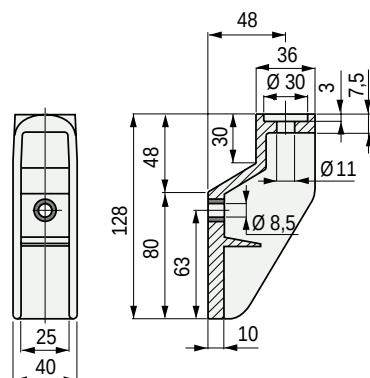


Stainless steel and brass swivel head

Part. 648



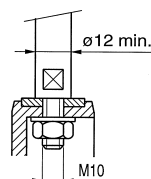
Adjustable bracket



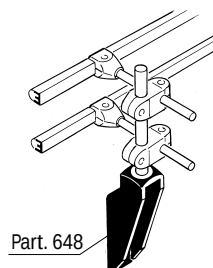
Part.	Material	Code	Weight kg
648	Reinforced polyamide PA FV (black)	653112	0,12

- Packaging : 50 pieces.

• Pin dimensions for
Part. 648

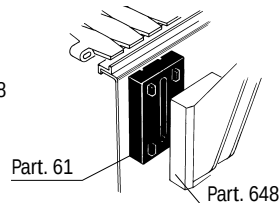


• Assembly of Part. 648

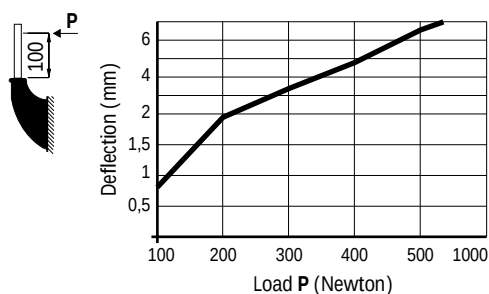


• Accessories

Spacer Part. 61,
see page 128.
Applicable to Part. 648

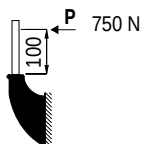


• Deflection of Part. 648

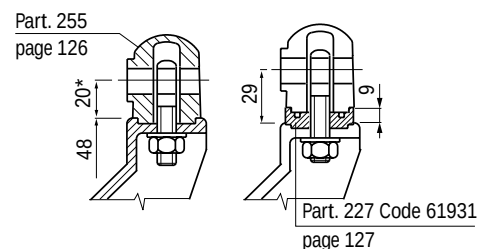


• Technical data Part. 648

- Breaking load : 750 N

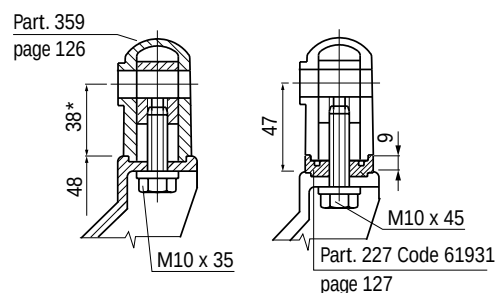


• Assembly with swivel head Part. 255



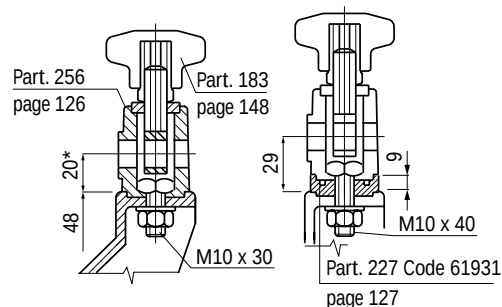
* = To increase the height (by 9 mm) use 1 spacer Part. 227 code 61931. The length of the thread allows for only 1 spacer.

• Assembly with swivel head Part. 359



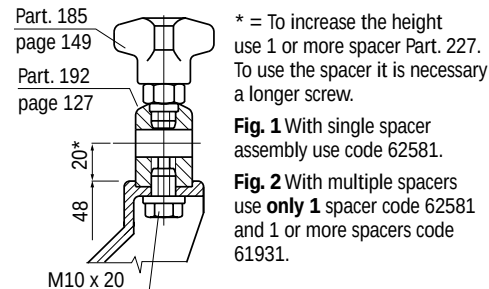
* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931. To use the spacer it is necessary a longer screw.

• 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 increase the height use 1 or more spacer Part. 227. To use the spacer it is necessary a longer screw.

Fig. 1 With single spacer assembly use code 62581.

Fig. 2 With multiple spacers use **only 1** spacer code 62581 and 1 or more spacers code 61931.

Fig. 1

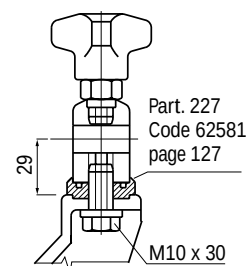
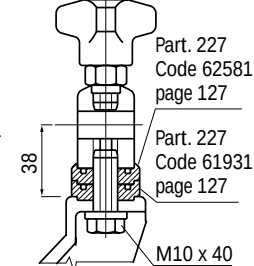
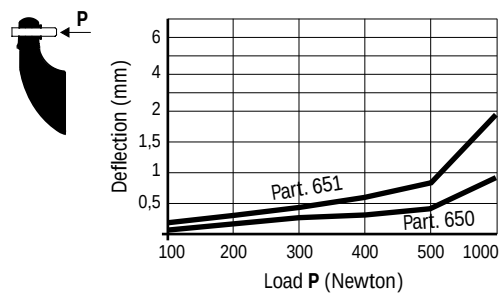


Fig. 2



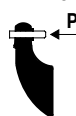
• **Deflection** of Part. 650 - 651



• **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)



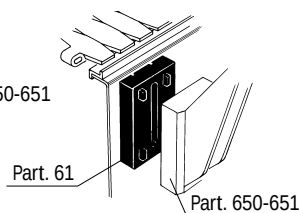
Part. 650
4000 N
Part. 651
2000 N

Tests performed at tightening torque : 4 Kgm

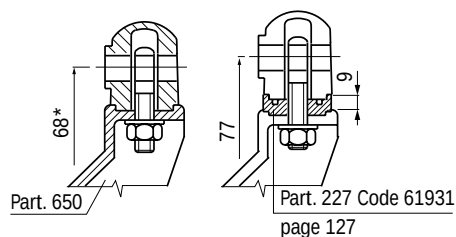
• **Accessories**

Spacer Part. 61,
see page 128.

Applicable to Part. 650-651

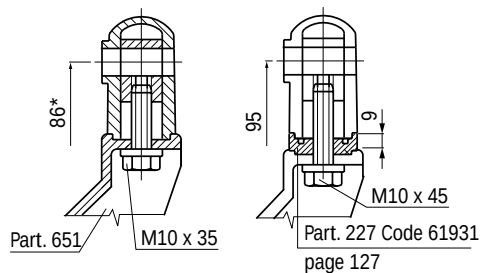


Spacer Part. 227, see page 127. Applicable to Part. 650



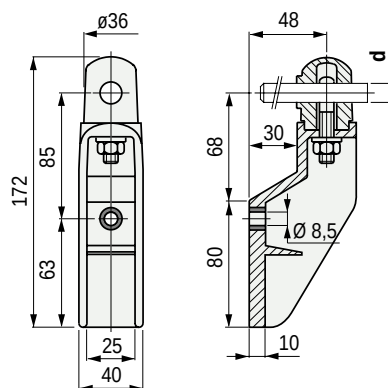
* = To increase the height (by 9 mm) use 1 spacer Part. 227 code 61931. The length of the thread allows for only 1 spacer.

Spacer Part. 227, see page 127. Applicable to Part. 651



* = 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**



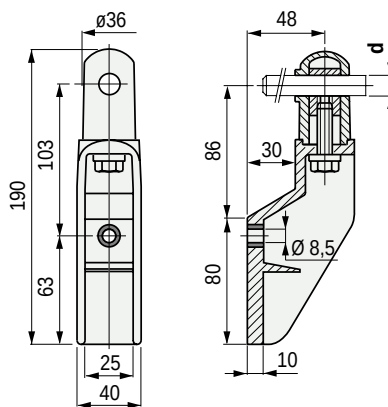
Part.	Material	Pin dia. d mm	Code	Weight kg
650	Reinforced polyamide PA FV (black)	12	653802	0,19
		14	653812	
		16	653822	

- 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. d mm	Code	Weight 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 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.

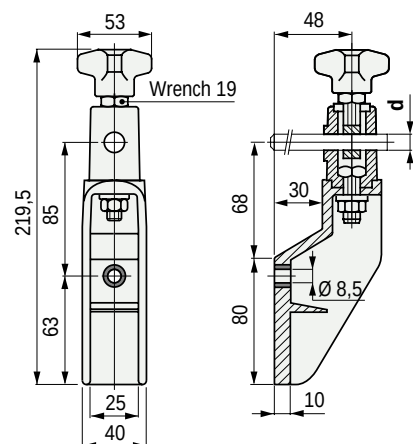
Part. 651



Part. 652



Adjustable bracket



Part.	Material	Pin dia. d mm	Code	Weight kg
652	Reinforced 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.

Part. 653

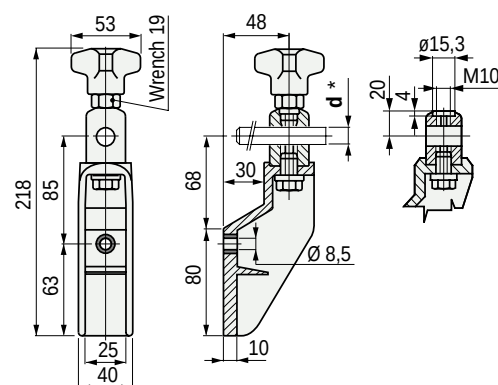


Stainless steel and brass swivel head

Adjustable bracket

With knob

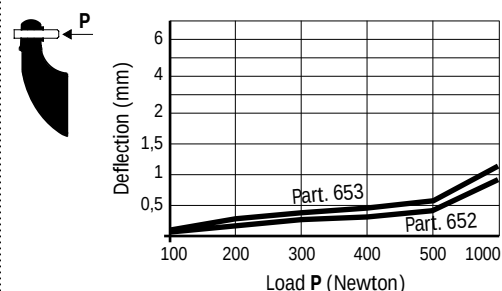
Without knob



Part.	Swivel head material	Pin dia. d * mm	Code	Weight kg
• With knob				
653	Stainless steel AISI 303	14÷16	653892	0,41
	Nickel plated brass		653902	
• Without knob				
653	Stainless steel AISI 303	14÷16	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.

Deflection of Part. 652 - 653



Technical data Part. 652 - 653

- Sliding load resistance :

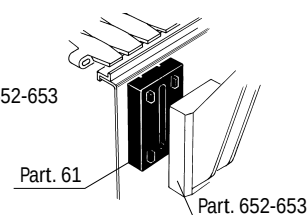
- Breaking load :

Part. 652	2000 N (with d = 12)	Part. 652	4000 N
3000 N (with d = 14-16)	Part. 651	4000 N	
Part. 653	3000 N (with d = 14-16)		

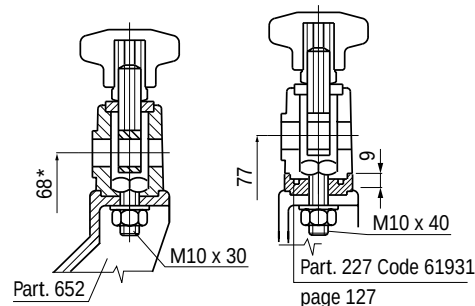
Tests performed at tightening torque : 4 Kgm

Accessories

Spacer Part. 61,
see page 128.
Applicable to Part. 652-653

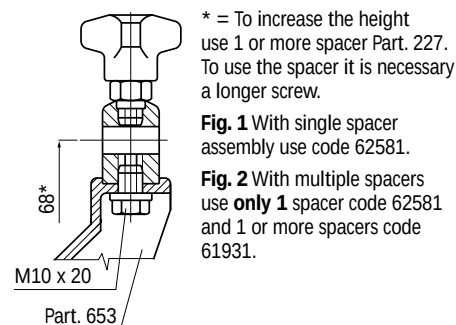


Spacer Part. 227, see page 127. Applicable to Part. 652



* = 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.

Spacer Part. 227, see page 127. Applicable to Part. 653



* = To increase the height use 1 or more spacer Part. 227. To use the spacer it is necessary a longer screw.

Fig. 1 With single spacer assembly use code 62581.

Fig. 2 With multiple spacers use **only 1** spacer code 62581 and 1 or more spacers code 61931.

Fig. 1

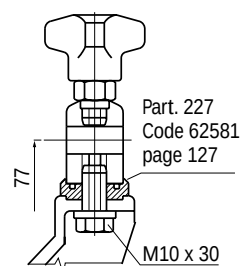
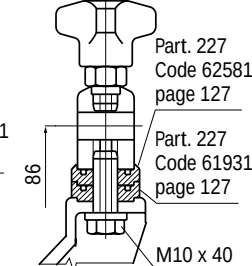
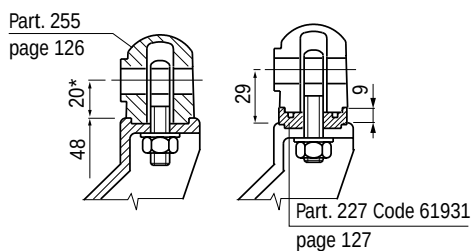


Fig. 2

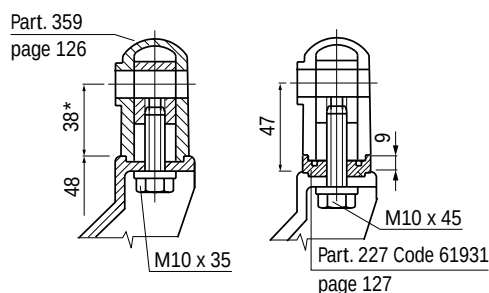


• **Assembly with swivel head Part. 255**



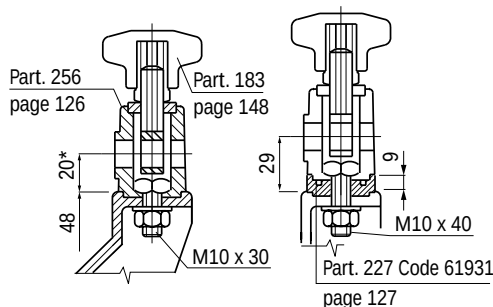
* = To increase the height (by 9 mm) use 1 spacer Part. 227 code 61931. The length of the thread allows for only 1 spacer.

• **Assembly with swivel head Part. 359**



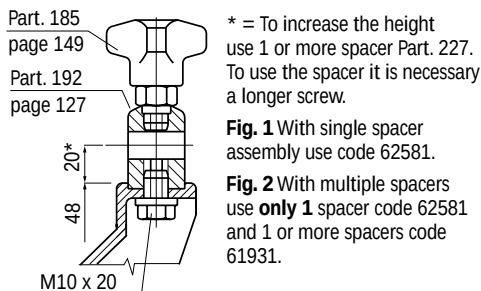
* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931. To use the spacer it is necessary a longer screw.

• **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 increase the height use 1 or more spacer Part. 227. To use the spacer it is necessary a longer screw.

Fig. 1 With single spacer assembly use code 62581.

Fig. 2 With multiple spacers use **only 1** spacer code 62581 and 1 or more spacers code 61931.

Fig. 1

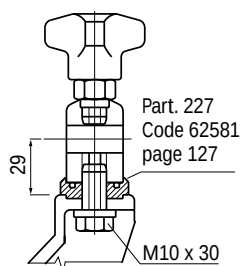
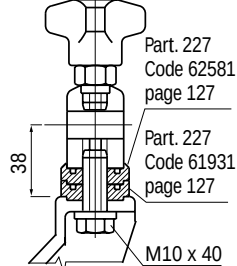
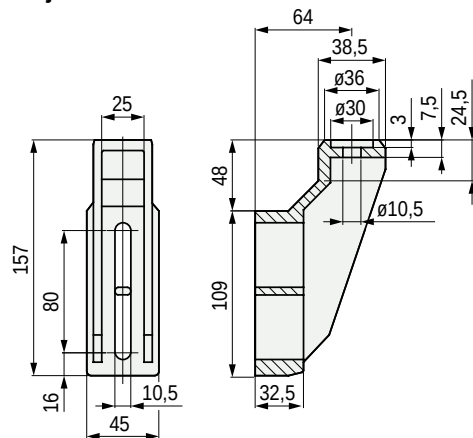


Fig. 2



■ **Adjustable bracket**



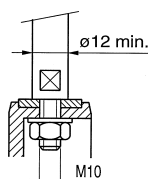
Part.	Material	Code	Weight kg
193	Reinforced polyamide PA FV (black)	69700	0,21

- Packaging : 50 pieces.

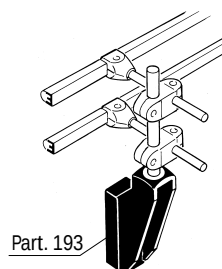
Part. 193



• **Pin dimensions for Part. 193**

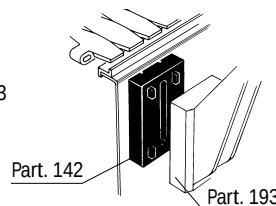


• **Assembly of Part. 193**



• **Accessories**

Spacer Part. 142, see page 128.
Applicable to Part. 193

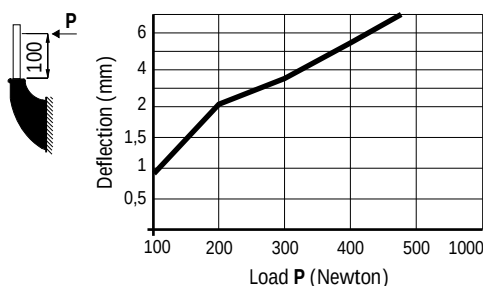


• **Assembly of drip tray support Part. 226-336, see page 130**

Part. 193 permit application of drip tray support.

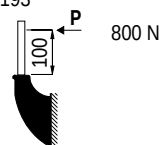


• **Deflection of Part. 193**



• **Technical data Part. 193**

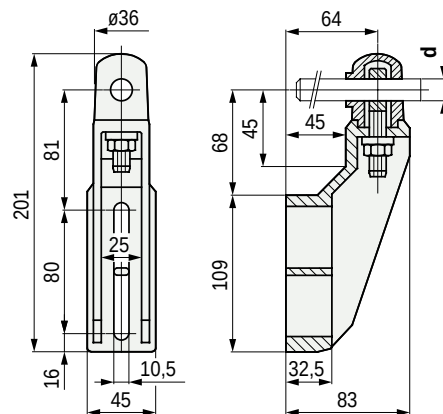
- Breaking load :



Part. 163



Adjustable bracket



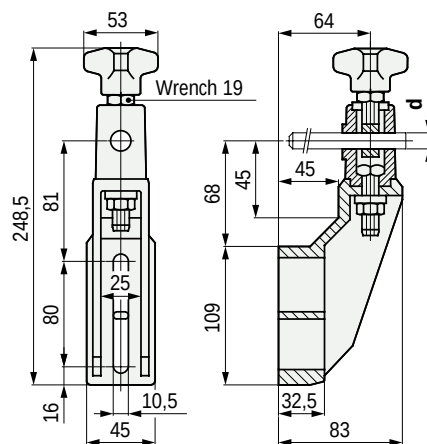
Part.	Material	Pin dia. d mm	Code	Weight kg
163	Reinforced polyamide PA FV (black)	12	69640	0,30
		14	69650	
		16	59031	

- 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. 257



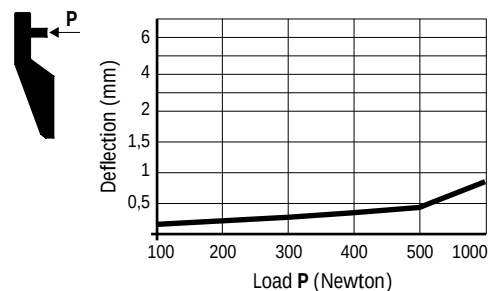
Adjustable bracket



Part.	Material	Pin dia. d mm	Code	Weight kg
257	Reinforced polyamide PA FV (black)	12	64591	0,40
		14	64601	
		16	64611	

- 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.

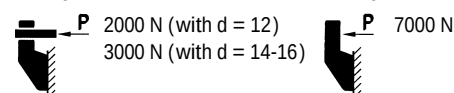
Deflection of Part. 163-257



Technical data Part. 163-257

- Sliding load resistance :

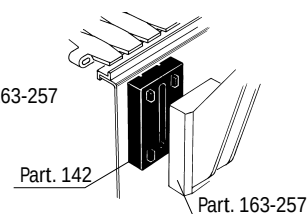
- Breaking load :



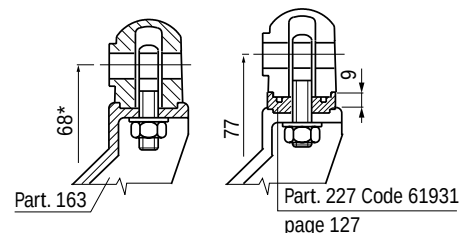
Tests performed at tightening torque : 4 Kgm

Accessories

Spacer Part. 142,
see page 128.
Applicable to Part. 163-257

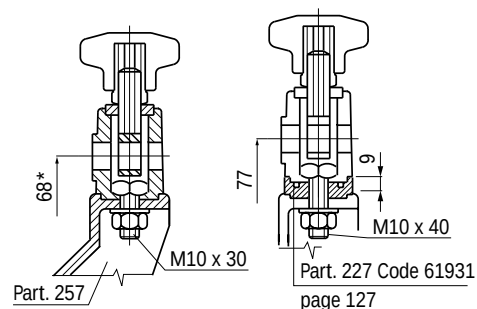


Spacer Part. 227, see page 127. Applicable to Part. 163



* = To increase the height (by 9 mm) use 1 spacer Part. 227 code 61931. The length of the thread allows for only 1 spacer.

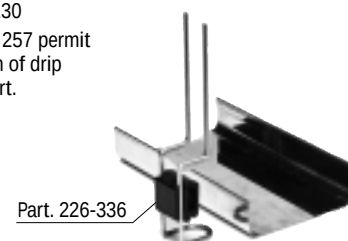
Spacer Part. 227, see page 127. Applicable to Part. 257



* = 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.

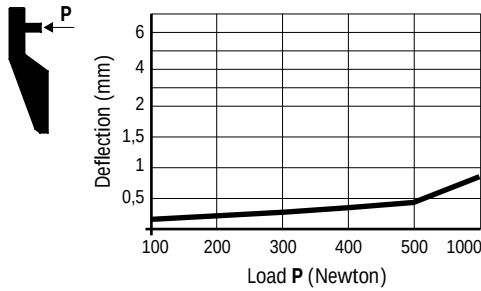
Assembly of drip tray support Part. 226-336, see page 130

Part. 163 - 257 permit
application of drip
tray support.



Part. 178

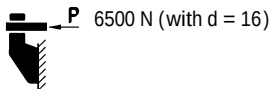
• **Deflection** of Part. 178



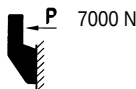
• **Technical data** Part. 178

- Sliding load resistance :

- Breaking load :



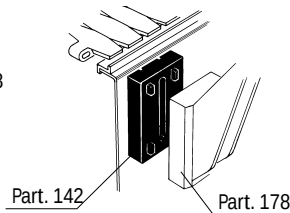
6500 N (with d = 16)



7000 N

• **Accessories**

Spacer Part. 142,
see page 128.
Applicable to Part. 178



Spacer Part. 227, see page 127. Applicable to Part. 178

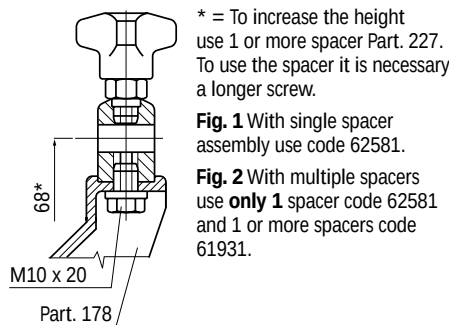


Fig. 1

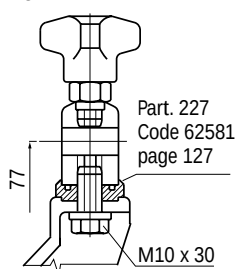
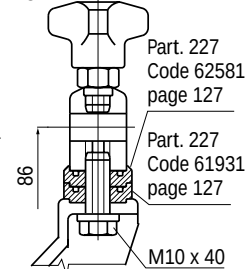
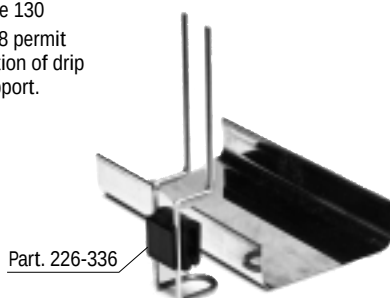


Fig. 2

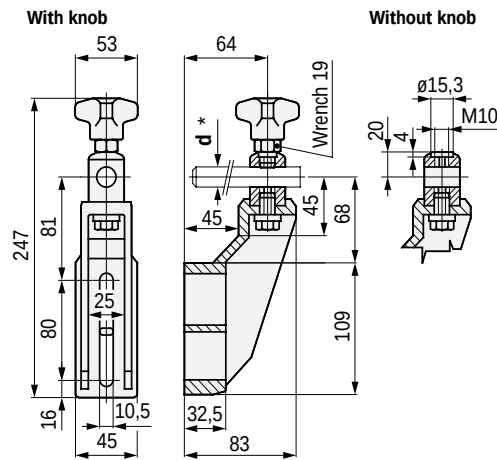


• **Assembly of drip tray support** Part. 226-336, see page 130

Part. 178 permit application of drip tray support.



■ **Adjustable bracket**



Part.	Swivel head material	Pin dia. d * mm	Code	Weight kg
• With knob				
178	Stainless steel AISI 303 Nickel plated brass	14 to 16	53111 60963	0,50
• Without knob				
178	Stainless steel AISI 303 Nickel plated brass	14 to 16	53121 60973	0,50

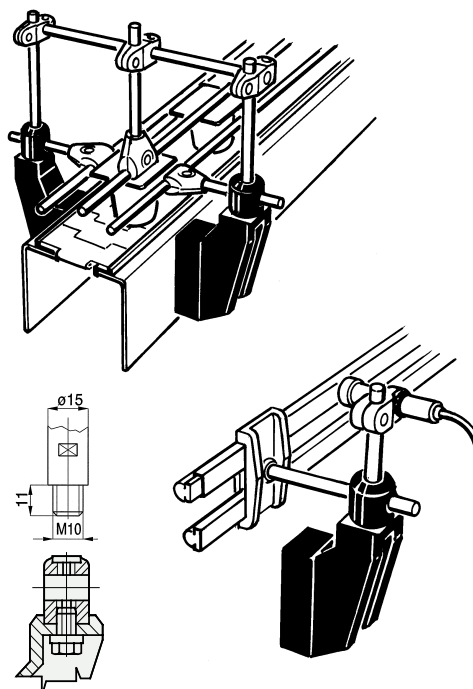
* = The bracket can be used with dia. 14 and dia. 16 mm pins.

- 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.



Stainless steel and brass swivel head

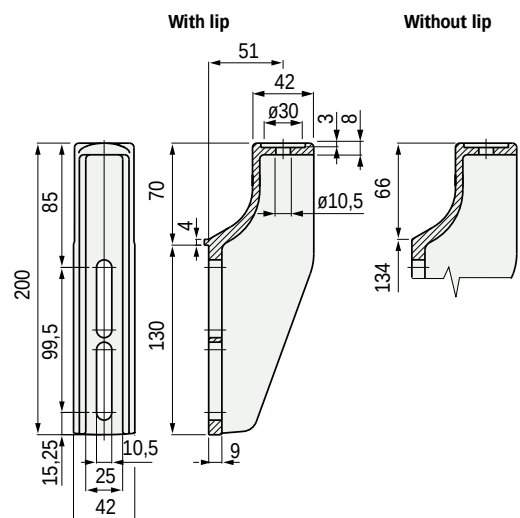
• **Assembly of Part. 178 (version without knob)**



Part. 540



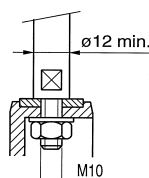
Adjustable bracket



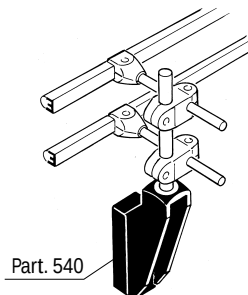
Part.	Version	Code	Weight kg
540	With lip	683551	0,15
	Without lip	683541	

- Material : reinforced polyamide PA FV (black).
- Packaging : 25 pieces.

Pin dimensions for Part. 540

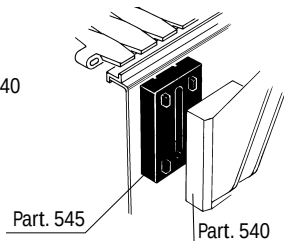


Assembly of Part. 540



Accessories

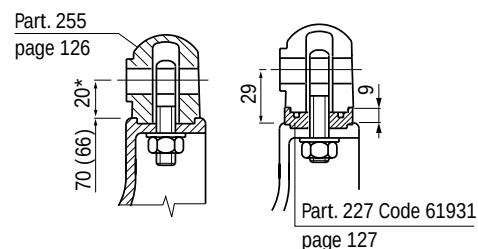
Spacer Part. 545, see page 129.
Applicable to Part. 540



- Assembly of drip tray support Part. 226-336, see page 130
Part. 540 permit application of drip tray support.

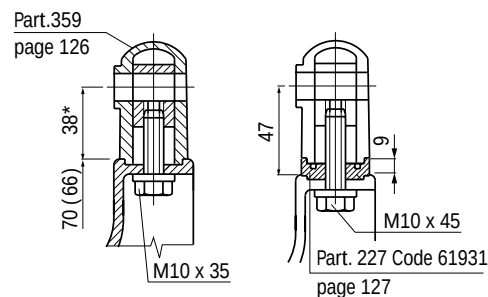


• Assembly with swivel head Part. 255



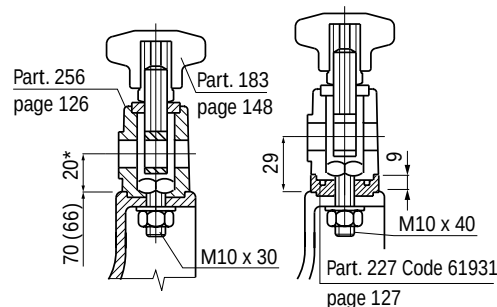
* = To increase the height (by 9 mm) use 1 spacer Part. 227 code 61931. The length of the thread allows for only 1 spacer.

• Assembly with swivel head Part. 359



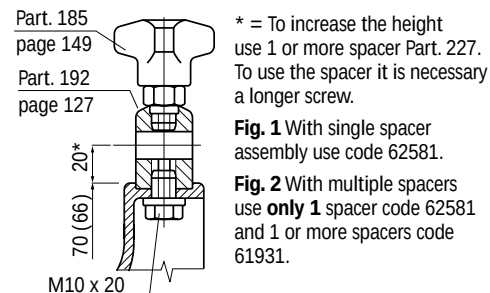
* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931. To use the spacer it is necessary a longer screw.

• 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



* = To increase the height use 1 or more spacer Part. 227. To use the spacer it is necessary a longer screw.

Fig. 1 With single spacer assembly use code 62581.

Fig. 2 With multiple spacers use **only 1** spacer code 62581 and 1 or more spacers code 61931.

Fig. 1

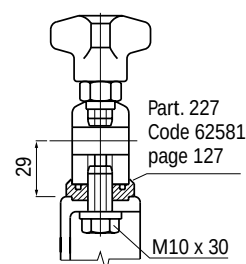
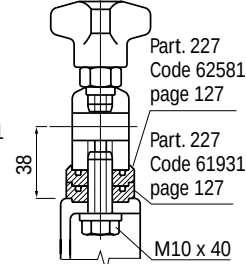
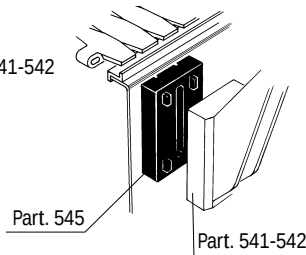


Fig. 2

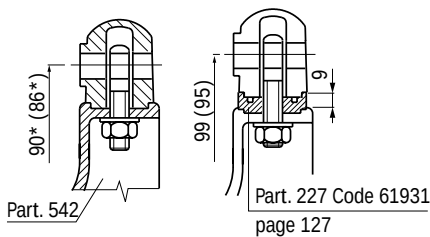


• **Accessories**

Spacer Part. 545,
see page 129.
Applicable to Part. 541-542

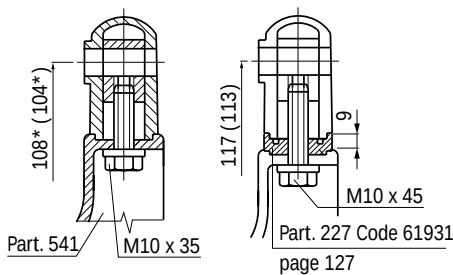


Spacer Part. 227, see page 127. Applicable to Part. 542



* = To increase the height (by 9 mm) use 1 spacer Part. 227 code 61931. The length of the thread allows for only 1 spacer.

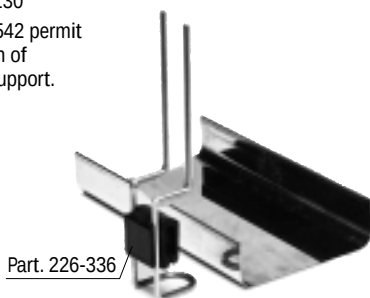
Spacer Part. 227, see page 127. Applicable to Part. 541



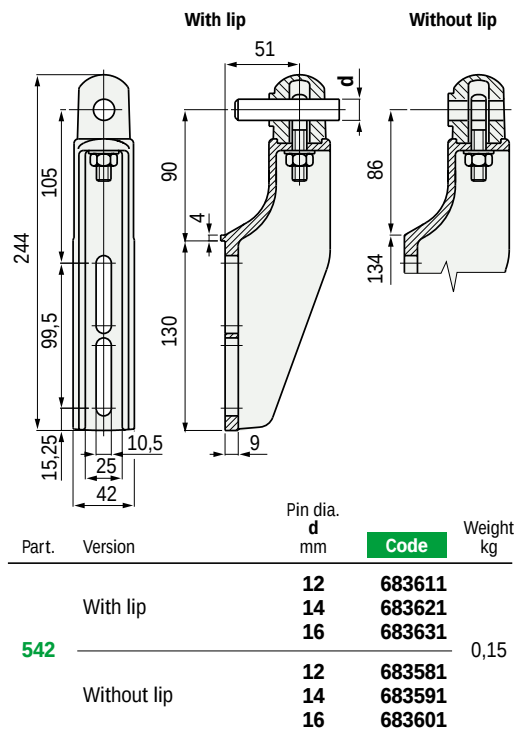
* = To increase the height (by 9 mm) use 1 or more spacer Part. 227 code 61931. To use the spacer it is necessary a longer screw.

• **Assembly of drip tray support** Part. 226-336, see page 130

Part. 541-542 permit application of drip tray support.



■ **Adjustable bracket**

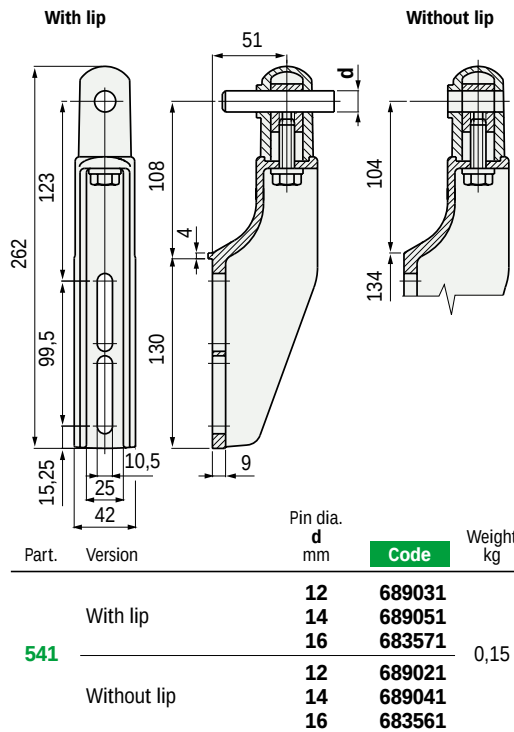


- Material : bracket and swivel head in reinforced polyamide (black), tightening nut and eyebolt in stainless steel AISI 304.
- Operation : by untightening the nut, the position of the top and the pin can be adjusted.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 25 pieces.

Part. 542



■ **Adjustable bracket**



- Material : bracket and swivel head in reinforced polyamide (black), eyebolt in nickel plated brass, 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 : 25 pieces.

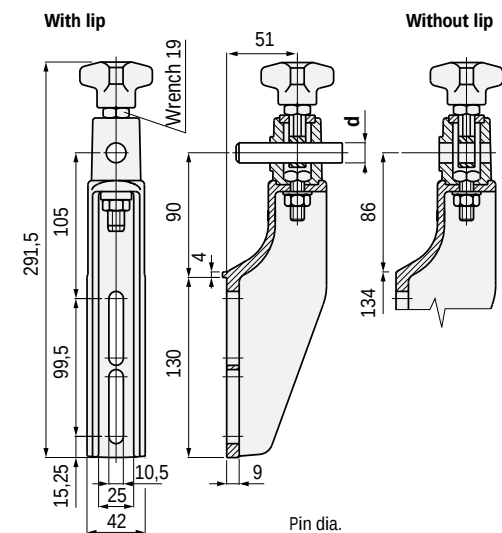
Part. 541



Part. 544



Adjustable bracket



Part.	Version	Pin dia. d mm	Code	Weight 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 PA FV (black), hexagonal insert (for 19 mm wrench) in nickel plated brass, eyebolt and tightening nuts/bolt in stainless steel AISI 304.

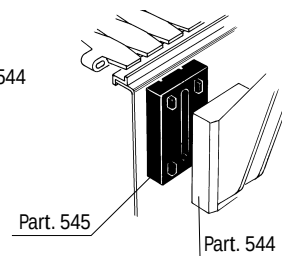
- Operation : by untightening the bolt, the position of the top can be adjusted. By untightening the knob, the position of the pin can be adjusted

- Max recommended tightening torque : 4 Kgm.

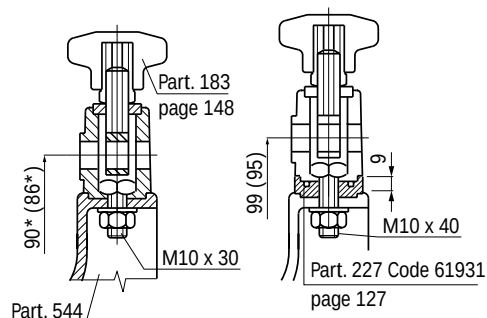
- Packaging : 25 pieces.

Accessories

Spacer Part. 545,
see page 129.
Applicable to Part. 544



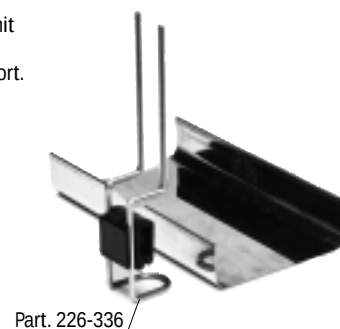
Spacer Part. 227, see page 127. Applicable to Part. 544



* = 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.

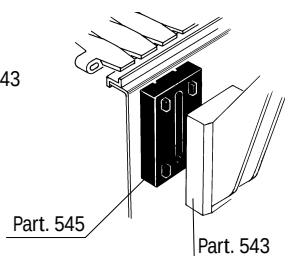
Assembly of drip tray support Part. 226-336, see page 130

Part. 544 permit
application of
drip tray support.



• Accessories

Spacer Part. 545,
see page 129.
Applicable to Part. 543



Spacer Part. 227, see page 127. Applicable to Part. 543

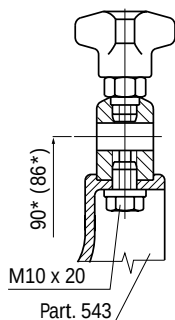


Fig. 1

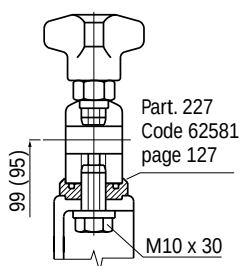


Fig. 2

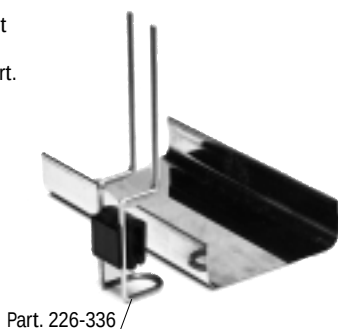
* = To increase the height
use 1 or more spacer Part. 227.
To use the spacer it is necessary
a longer screw.

Fig. 1 With single spacer
assembly use code 62581.

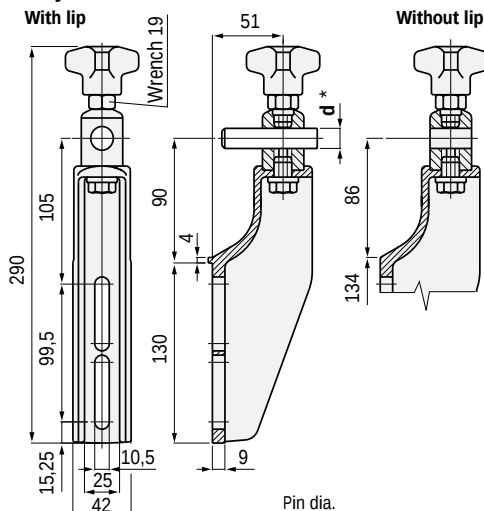
Fig. 2 With multiple spacers
use **only 1** spacer code 62581
and 1 or more spacers code
61931.

• Assembly of drip tray support Part. 226-336,
see page 130

Part. 543 permit
application of
drip tray support.



■ Adjustable bracket



Part.	Swivel head material	Pin dia. d * mm	Code	Weight kg
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• With lip

543	Stainless steel AISI 303	14 to 16	683671	0,15
	Nickel plated brass		683691	

• Without lip

543	Stainless steel AISI 303	14 to 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**



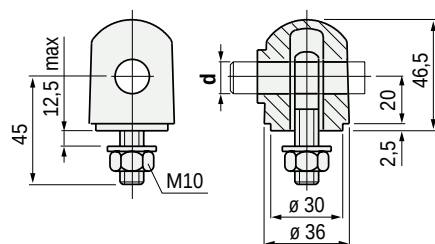
Stainless steel and brass swivel head

Accessories

Part. 255



Swivel head



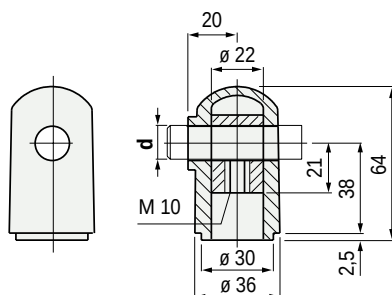
Part.	Material	Pin dia. d mm	Code	Weight kg
255	Reinforced polyamide PA FV (black)	12	69670	0,08
		14	69680	
		16	59041	

- Material : tightening nut and eyebolt in stainless steel AISI 304.
- Packaging : 50 pieces.

Part. 359



Swivel head



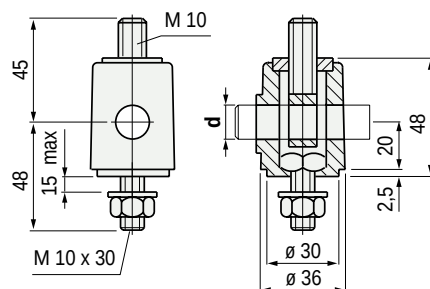
Part.	Material	Pin dia. d mm	Code	Weight kg
359	Reinforced polyamide PA FV (black)	12	684501	0,10
		14	684511	
		16	64235	

- Material : eyebolt in nickel plated brass.
- Packaging : 50 pieces.

Part. 256



Swivel head

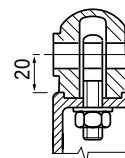
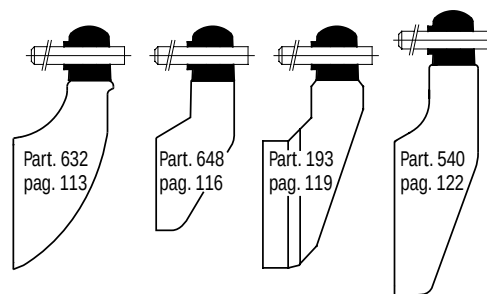


Part.	Material	Pin dia. d mm	Code	Weight kg
256	Reinforced polyamide PA FV (black)	12	64561	0,12
		14	64571	
		16	64581	

- Material : tightening nut and eyebolt in stainless steel AISI 304.
- Packaging : 50 pieces.

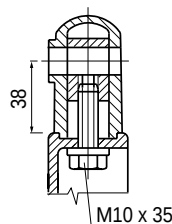
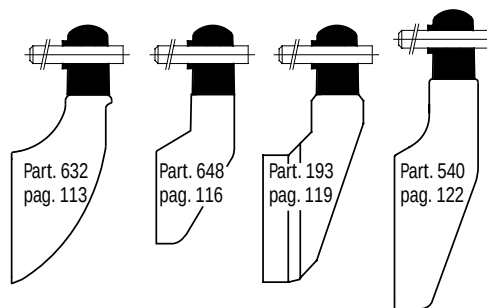
• Assembly of Part. 255

Applicable to brackets Part. 632-648-193-540

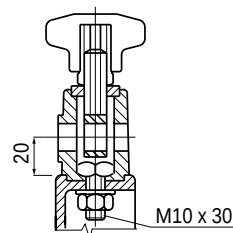
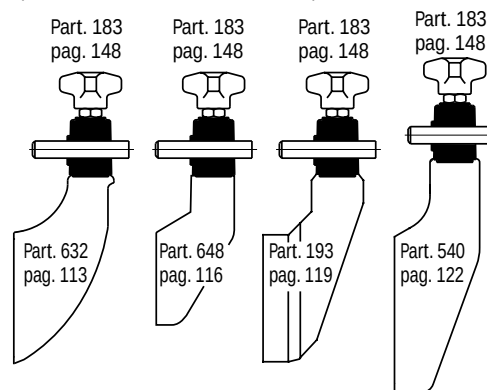


• Assembly of Part. 359

Applicable to brackets Part. 632-648-193-540

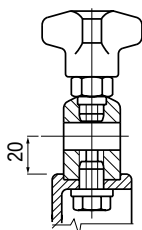
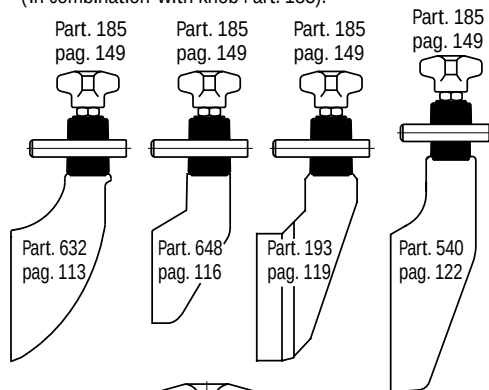


• Assembly of Part. 256

Applicable to brackets Part. 632-648-193-540
(in combination with knob Part. 183).

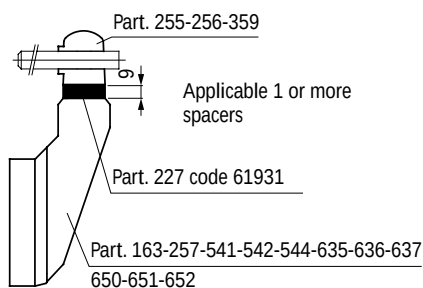
• **Assembly of Part. 192**

Applicable to brackets Part. 632-648-193-540
(in combination with knob Part. 185).



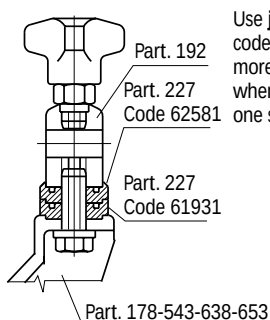
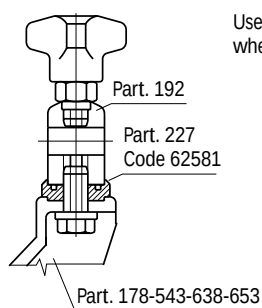
• **Assembly of Part. 227 code 61931**

- Applicable to adjustable brackets Part. 163-257-541-542-544-635-636-637-650-651-652 and/or bearing heads Part. 255-256-359



• **Assembly of Part. 227 code 62581**

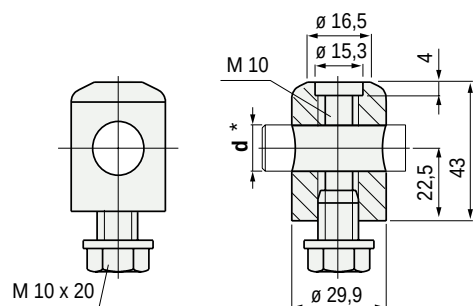
- Applicable to adjustable brackets Part. 178-543-638-653 and/or bearing heads Part. 192



Use code 62581
when fitting 1 spacer.

Use **just 1** spacer
code 62581 and 1 or
more spacers code 61931
when fitting more than
one spacer.

■ **Swivel head**



Part.	Material	Pin dia. d * mm	Code	Weight kg
192	Stainless steel AISI 303 Nickel plated brass	14 to 16	53091 60933	0,19

* = The bearing head can be used with dia. 14 and dia. 16 mm pins.
- Material : tightening bolt in stainless steel AISI 304.
- Packaging : 50 pieces.

In stainless steel and brass

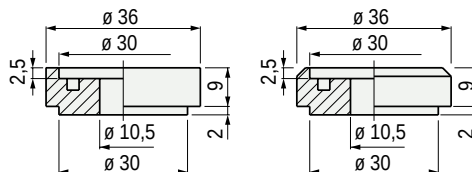
Part. 192



■ **Spacer**

Code : 61931

Code : 62581



Part.	Use	Code	Weight kg
227	With any adjustable bracket or bearing head	61931	0,01
	For adjustable brackets Part. 178-543-638-653 or bearing head Part. 192	62581	

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

Part. 227

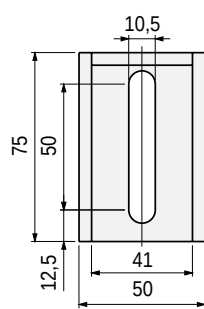


Accessories

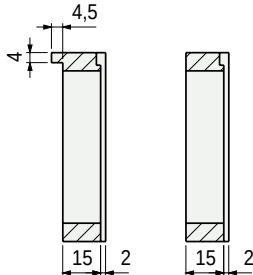
Part. 61



Spacer
With lip



Without lip



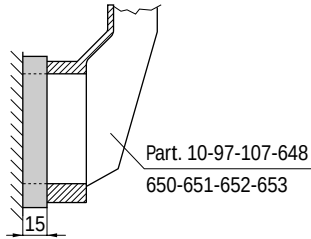
Part.	Version	Code	Weight kg
61	With lip	66194	0,04
	Without lip	50870	

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

• Assembly of Part. 61

Applicable to Part. 10-97-107-648-650-651-652-653

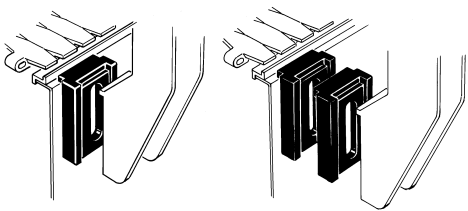
Applicable with 1
or more spacers



Advantages of version with lip :

Possibility of resting
on side of conveyor
frame.

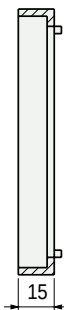
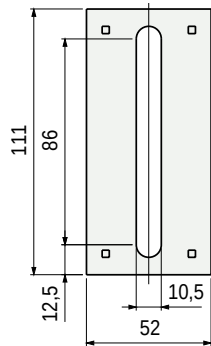
Possibility of assembling
several spacers,
all centred.



Part. 142



Spacer



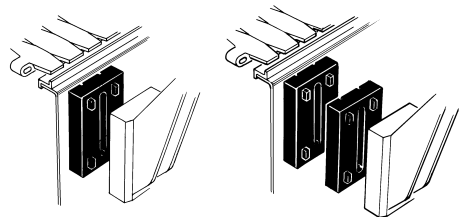
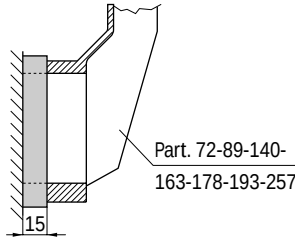
Part.	Code	Weight kg
142	65870	0,06

- Material : reinforced polyamide PA FV (black).
- Packaging : 25 pieces.

• Assembly of Part. 142

Applicable to Part. 72-89-140-163-178-193-257

Applicable with 1
or more spacers



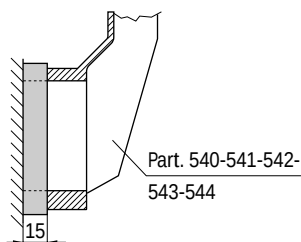
- Assembly of drip tray support Part. 226-336,
see page 130
Part. 61-142 permit
application of
drip tray support.



• **Assembly of Part. 545**

Applicable to Part. 540-541-542-543-544

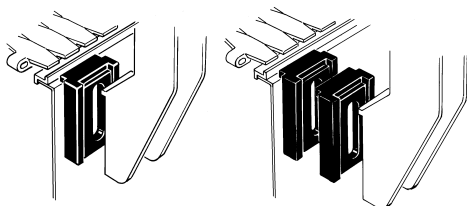
Applicable with 1
or more spacers



Advantages of version with lip :

Possibility of resting
on side of conveyor
frame.

Possibility of assembling
several spacers,
all centred.



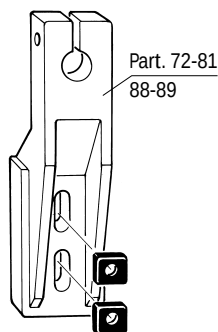
• **Assembly of drip tray support** Part. 226-336,
see page 130

Part. 545 permit
application of
drip tray support.

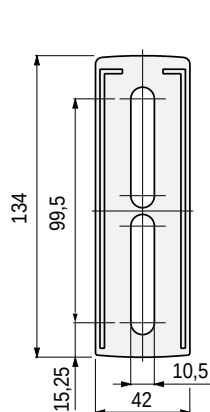


• **Assembly of Part. 96**

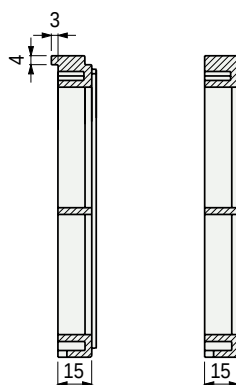
Applicable to Part. 72-81-88-89
distributes force from
tightening over larger
area.



■ **Spacer**
With lip



Without lip



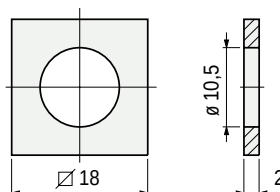
Part.	Version	Code	Weight kg
545	With lip	683771	0,04
	Without lip	683761	

- Material : reinforced polyamide PA FV (black).
- Packaging : 25 pieces.

Part. 545



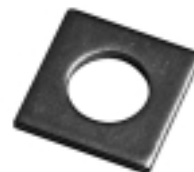
■ **Square washer**



Part.	Code
96	51550

- Material : stainless steel AISI 304.
- Packaging : 200 pieces.

Part. 96



Accessories

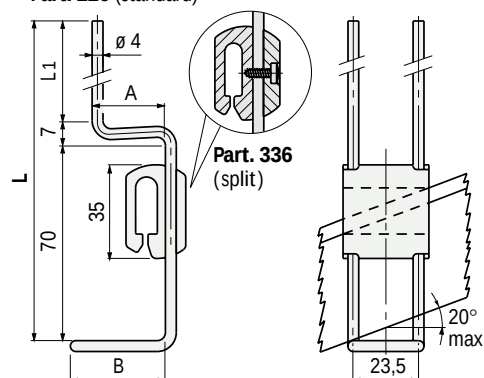
Part. 226 - 336



Bent rod

■ Drip tray support

Part. 226 (standard)



Height L mm	L1 mm	A mm	B mm	Code		Weight kg
				Part. 226 Standard	Part. 336 Split	
180	103	14	35	67305N	697761N	0,06
		17	35	66772N	66823N	
		27	35	62071N	60574N*	
		27	50	67319N	697771N	
200	123	38	35	64681N*	697791N*	0,06
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.

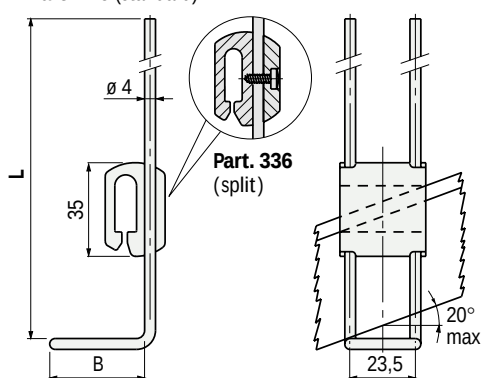
Part. 226 - 336



Straight rod

■ Drip tray support

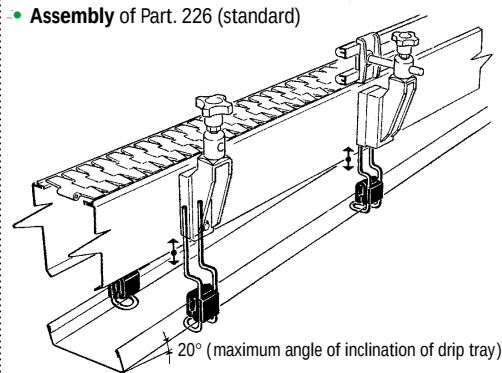
Part. 226 (standard)



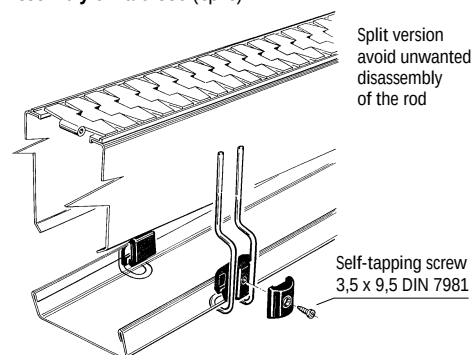
Height L mm	B mm	Code		Weight kg
		Part. 226 Standard	Part. 336 Split	
200	35	61767	697811	0,06

- 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.

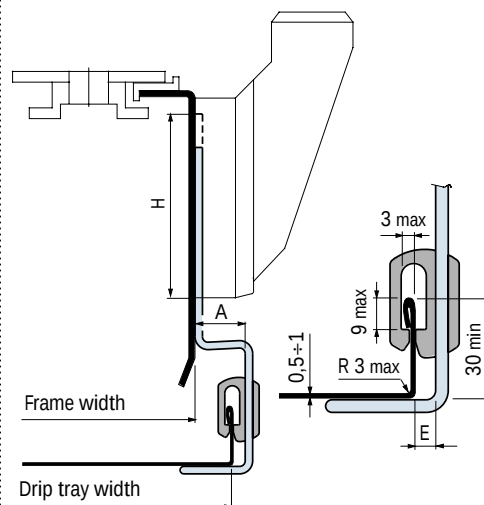
• Assembly of Part. 226 (standard)



• Assembly of Part. 336 (split)



• Drip tray design



$$\text{Drip tray width} = \text{Frame width} + 2 \cdot (A - E)$$

A = see table with codes

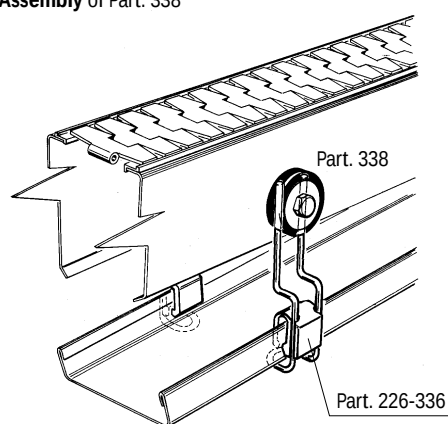
E = 10 mm for Part. 226 (standard)
 9,2 mm for Part. 336 (split)

Bracket Part.	Rod slot length H mm
81-88	70
72-89	102,5
85	53
10-97	71
107	72
599	104
140	106
617	95
163-193-178-257	103,5
632-635-636-637-638	103,5
540-541-542-543-544	123

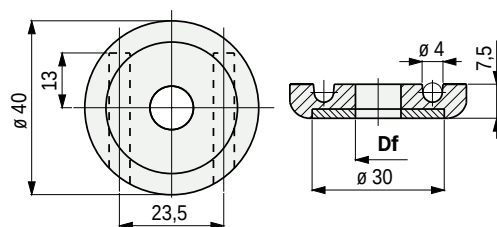
* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

Part. 338

- Assembly of Part. 338



Mounting plate



Part.	Bore dia. Df mm	Code	Weight kg
338	9	67563	0,20
	10,5	67325	

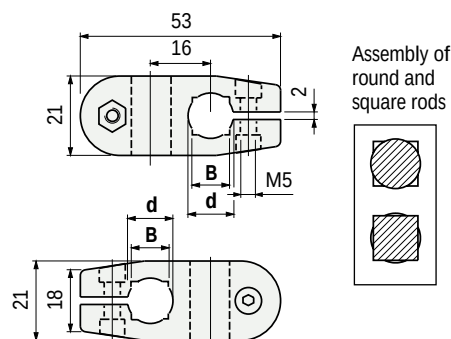
- Material : plate in reinforced polyamide (black), washer in stainless steel AISI 304.
- Packaging : 100 pieces.



Part. 340



■ Cross clamp



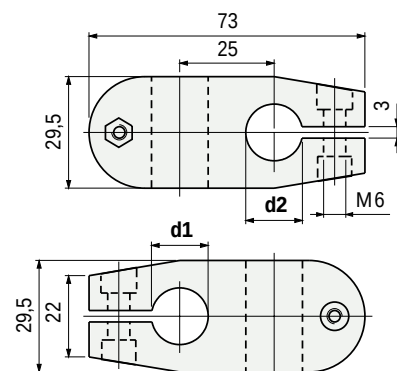
Part.	Tightening bolt material	Rod dia. d mm	Square rod B mm	Code	Weight kg
340	Stainless steel AISI 304	10	8	68373	0,02
		12	10	68385	
		14	12	67375	
	Zinc plated steel	10	8	627031	
		12	10	627041	
		14	12	627051	

- Material : clamp in reinforced polyamide PA FV (black).
- Max recommended tightening torque : 0,5 Kgm.
- Packaging : 50 pieces.

Part. 174-174R



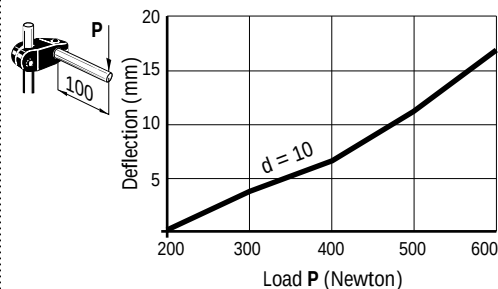
■ Cross clamp



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	
		16	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

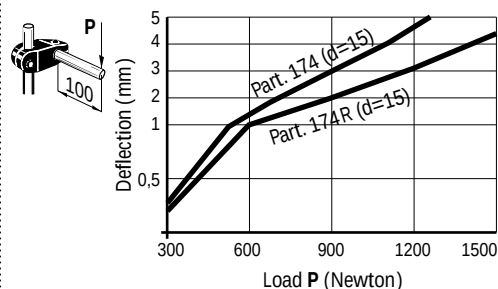


• Technical data Part. 340

- 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

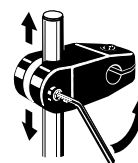
• Technical data Part. 174 R

- sliding load : 3500 N
- rotation load : 25 N/m

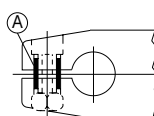
Tests performed at tightening torque : 1,5 Kgm

• Characteristics of Part. 174 R

It differs from Part. 174 in the use of a special material and a stiffening bush (spacer).

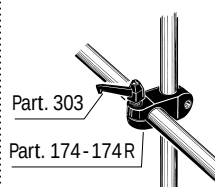


The increased elasticity of the material permits, once the bolts are untightened, the clamp to slide easily over the rod. Especially suitable for applications with frequent adjustment.



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.

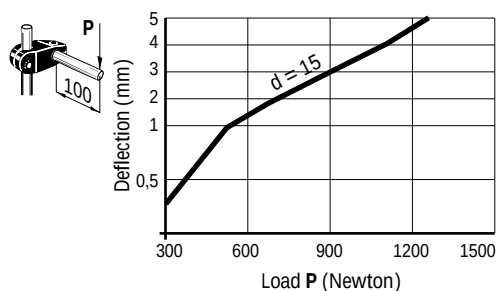
• Assembly of Part. 174-174 R with ratchet handle



Can be applied with the ratched handle Part. 303 (code 60922) instead of the standard hardware, see page 147.

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

• **Deflection** of Part. 174 Q

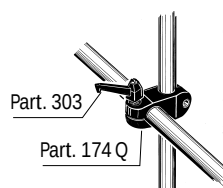


• **Technical data** Part. 174 Q

- sliding load : 2500 N (with d = 14-15-16)
2800 N (with d = 18)
- rotation load : 13 N/m

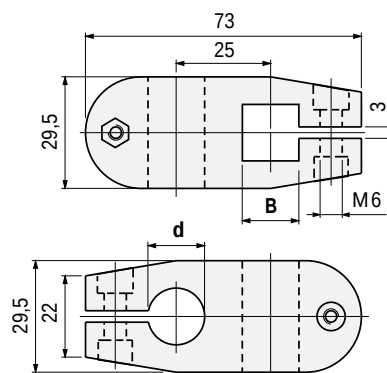
Tests performed at tightening torque : 1 Kgm

• **Assembly** of Part. 174 Q with ratchet handle



Can be applied with the ratched handle Part. 303 (code 60922) instead of the standard hardware, see page 147.

■ **Cross clamp**



Part.	Square rod B mm	Rod dia. d mm	Code	Weight kg
		14	59351	
		15	59361*	
174 Q	12	16	59371	0,07
		18	59381	

- Material : clamp in reinforced polyamide PA FV (black), tightening bolt in stainless steel AISI 304.
- Max recommended tightening torque : 1 Kgm.
- Packaging : 50 pieces.

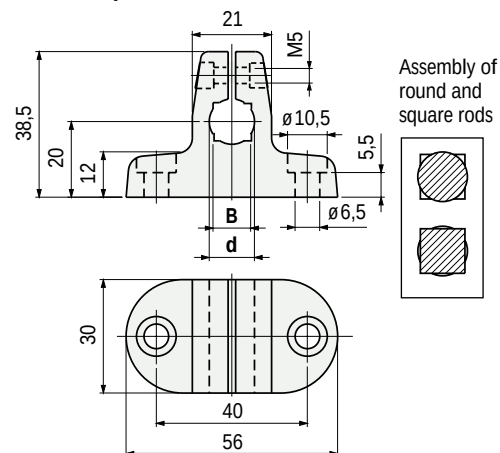
Part. 174 Q



Part. 339



T-clamp



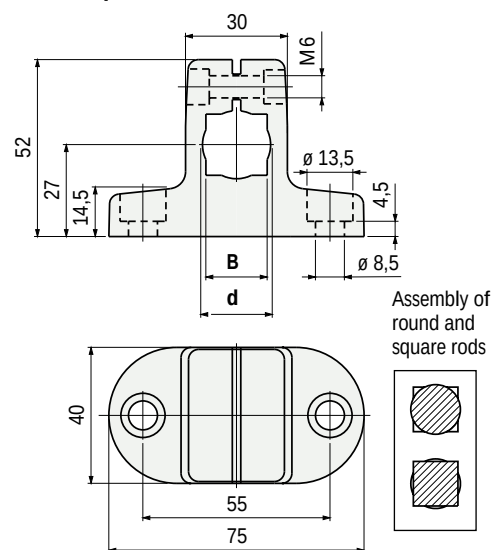
Part.	Tightening bolt material	Rod dia. d mm	Square rod B mm	Code	Weight kg
339	Stainless steel AISI 304	10	8	68363	0,03
		12	10	68375	
		14	12	67365	
	Zinc plated steel	10	8	626001	
		12	10	627011	
		14	12	627021	

- Material : clamp in reinforced polyamide PA FV (black).
- Max recommended tightening torque : 0,5 Kgm.
- Packaging : 50 pieces.

Part. 595



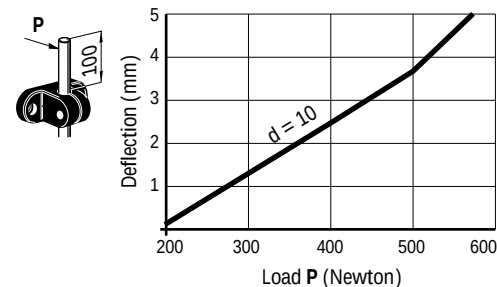
T-clamp



Part.	Tightening bolt material	Rod dia. d mm	Square rod B mm	Code	Weight 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



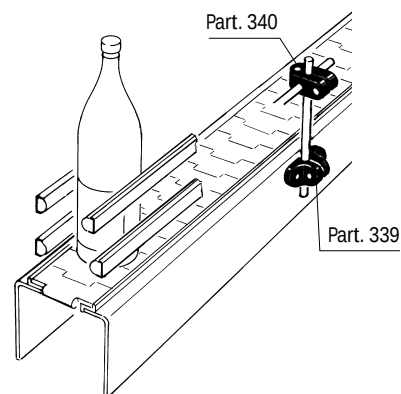
Technical data Part. 339

- sliding load : 650 N
- rotation load : 5 N/m

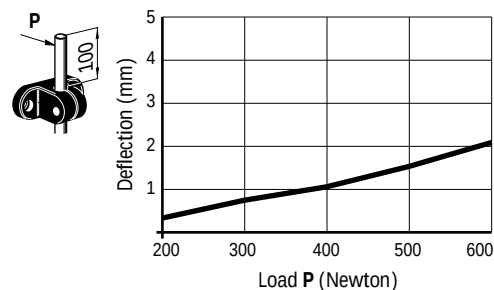
Tests performed at tightening torque : 0,5 Kgm

Assembly of Part. 339

Can be used in combination with Part. 340



Deflection of Part. 595



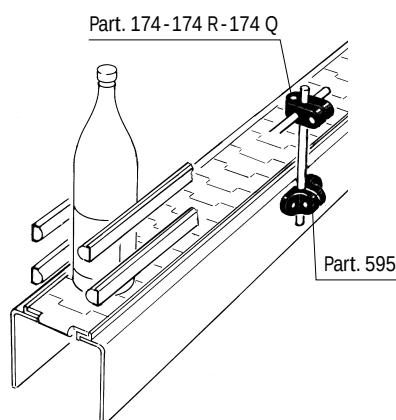
Technical data Part. 595

- 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

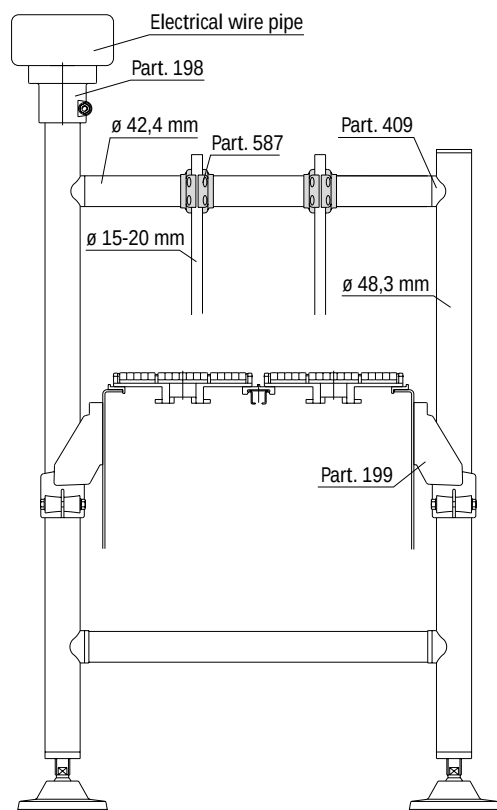
Can be used in combination with Part. 174-174 R-174 Q



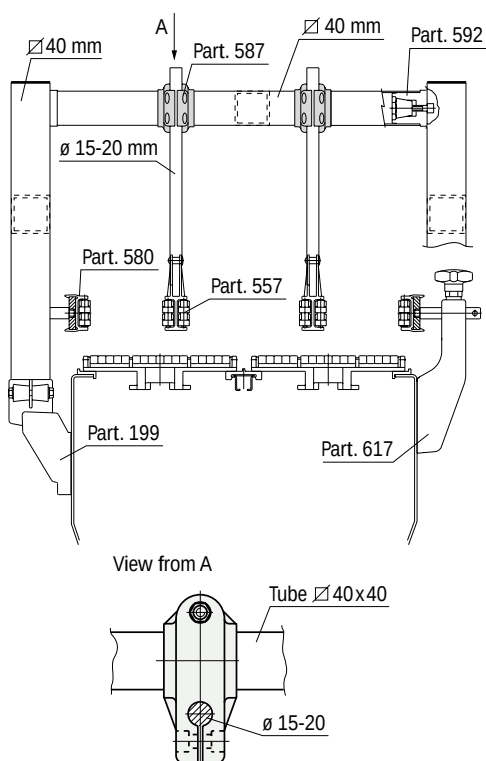
• **Characteristics** of Part. 587

The stiffness of Part. 587 makes them suitable for wide multistrand conveyors.

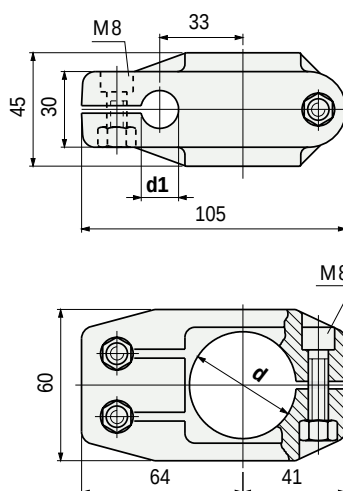
• **Use** of Part. 587 (for round tubes)



• **Use** of Part. 587 (for square tubes)



■ **Cross clamp**



Part.	Tube dia. d mm	Rod dia. d1 mm	Code	Weight kg
587	42,4 (1" 1/4)	15 20	646292N 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.

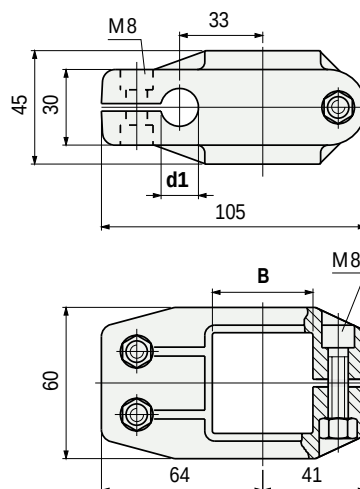
- Packaging : 100 pieces.

Part. 587



Round bore

■ **Cross clamp**



Part.	Square tube B mm	Rod dia. d1 mm	Code	Weight kg
587	40x40	15 20	655392N 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 : 100 pieces.

Part. 587



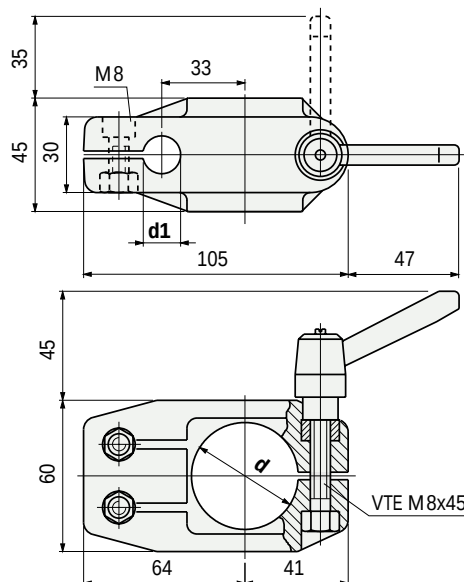
Square bore

Part. 633



Round bore

Cross clamp with ratchet handle clamping



Part.	Tube dia. d mm	Rod dia. d1 mm	Code	Weight kg
633	42,4 (1" 1/4)	15 20	647152 655402	0,23

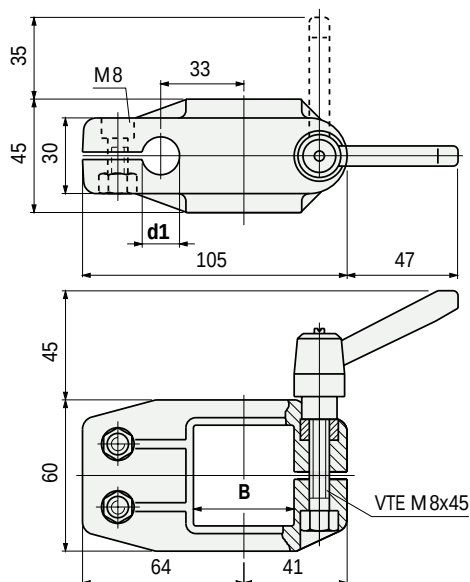
- Material clamp : body in reinforced polyamide PA FV (black), tightening screws in stainless steel AISI 304, nuts in nickel plated brass.
- Material handle : body in reinforced polyamide in PA FV (black), threaded insert in nickel plated brass.
- Max recommended tightening torque : 1,5 Kgm (handle), 2 Kgm (screws).
- Packaging : 50 pieces.

Part. 633



Square bore

Cross clamp with ratchet handle clamping

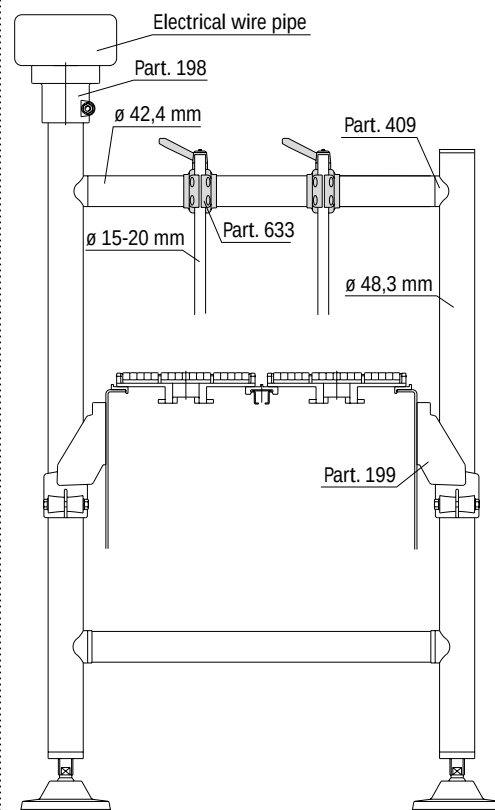


Part.	Square tube B mm	Rod dia. d1 mm	Code	Weight kg
633	40x40	15 20	655412 647162	0,23

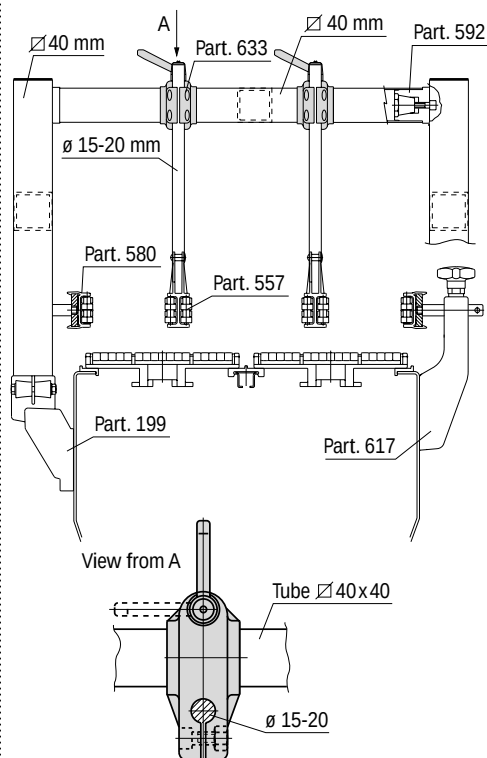
- Material clamp : body in reinforced polyamide PA FV (black), tightening screws in stainless steel AISI 304, nuts in nickel plated brass.
- Material handle : body in reinforced polyamide in PA FV (black), threaded insert in nickel plated brass.
- Max recommended tightening torque : 1,5 Kgm (handle), 2 Kgm (screws).
- Packaging : 50 pieces.

- **Characteristics** of Part. 633
Easy and quick adjustment of guides supported by bridge structures

- **Use of Part. 633** (for round tubes)



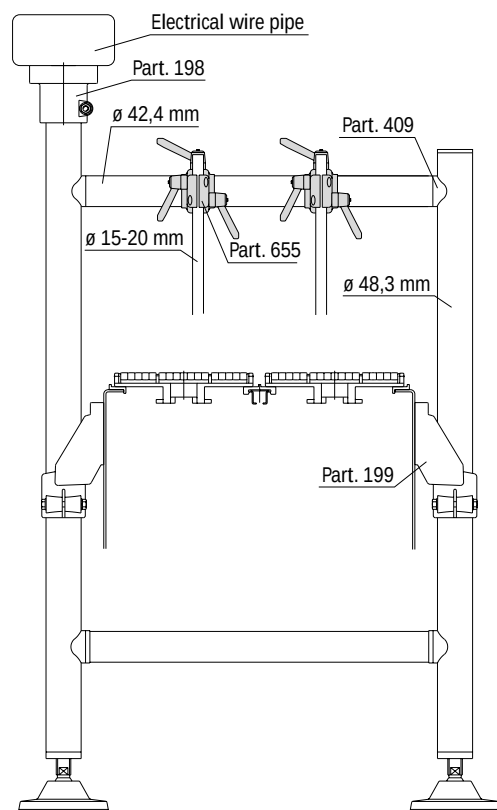
- **Use of Part. 633** (for square tubes)



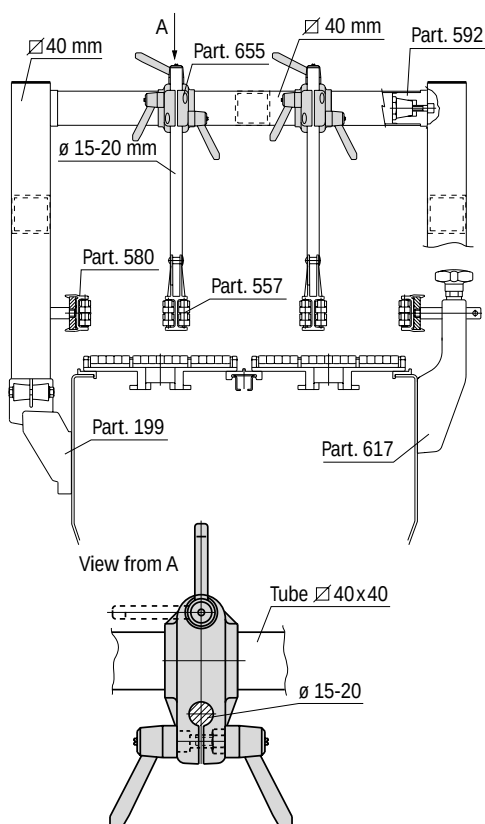
• **Characteristics** of Part. 655

Easy and quick adjustment of guides supported by bridge structures

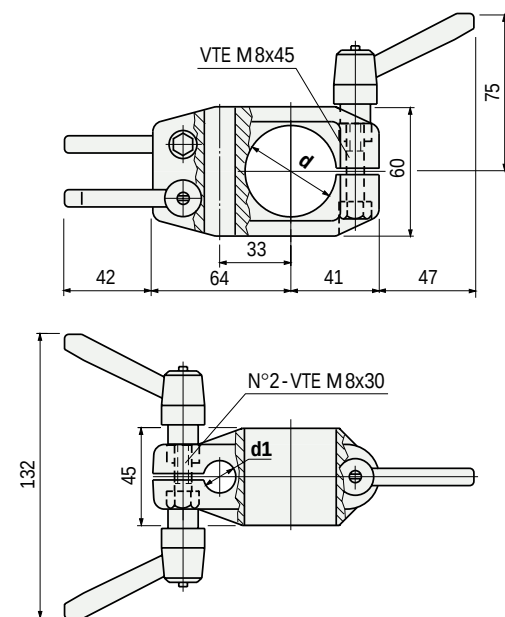
• **Use** of Part. 633 (for round tubes)



• **Use** of Part. 655 (for square tubes)



■ **Cross clamp with ratchet handle clamping**



Part.	Tube dia. d mm	Rod dia. d1 mm	Code	Weight kg
655	42,4 (1" 1/4)	15	655422	0,28
		20	655182	

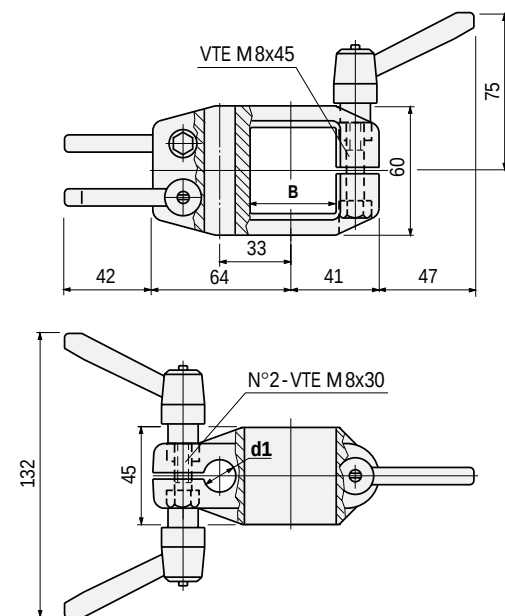
- Material clamp : body in reinforced polyamide PA FV (black), tightening screws in stainless steel AISI 304.
- Material handles : body in reinforced polyamide in PA FV (black), threaded insert in nickel plated brass.
- Max recommended tightening torque : 1,5 Kgm.
- Packaging : 50 pieces.

Part. 655



Round bore

■ **Cross clamp with ratchet handle clamping**



Part.	Square tube B mm	Rod dia. d1 mm	Code	Weight kg
655	40 x 40	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 in PA FV (black), threaded insert in nickel plated brass.
- Max recommended tightening torque : 1,5 Kgm.
- Packaging : 50 pieces.

Part. 655

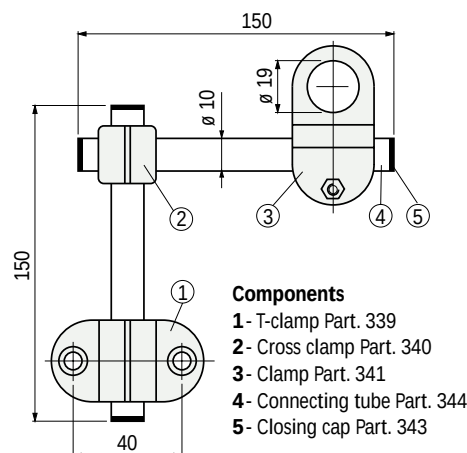


Square bore

Part. 342



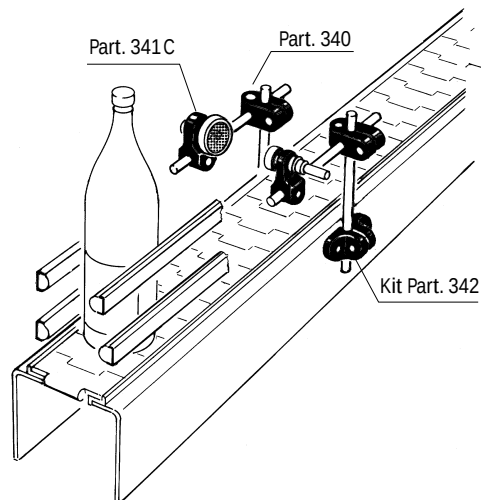
Assembly kit for photocells or sensors



Part.	Code	Weight kg
342	68923	0,14

- Material : clamps in reinforced polyamide PA FV (black), tightening bolt and connecting tubes in stainless steel AISI 304, closing caps in polypropylene.
- Max recommended tightening torque : 0,5 Kgm.
- Packaging : 50 Kit.

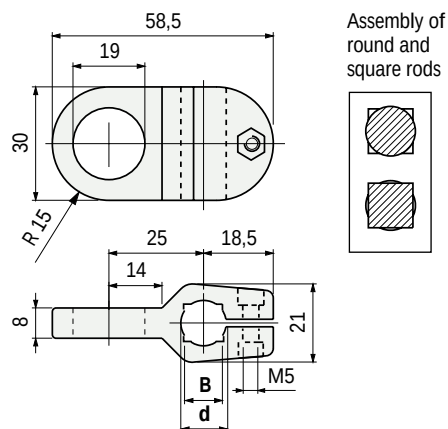
- **Assembly of Part. 342**
Dia. 18 mm photocells or sensors



Part. 341



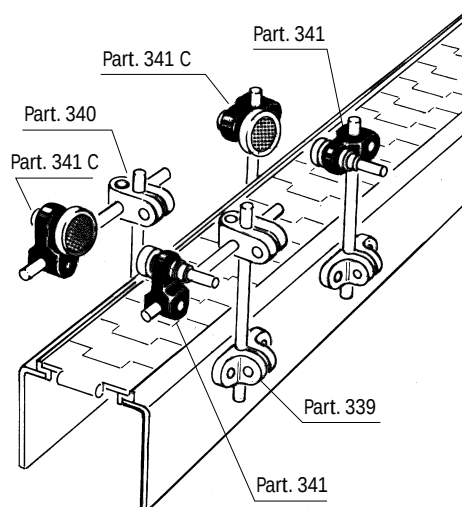
Clamp for photocells or sensors



Part.	Tightening bolt material	Rod dia. d mm	Square rod B mm	Code	Weight kg
341	Stainless steel AISI 304	10	8	68383	0,02
		12	10	68395	
		14	12	67385	
341	Zinc plated steel	10	8	627061	0,02
		12	10	627071	
		14	12	627081	

- Material : clamp in reinforced polyamide PA FV (black).
- Max recommended tightening torque : 0,5 Kgm.
- Packaging : 50 pieces.

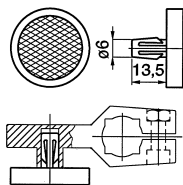
- **Assembly of Part. 341**
Dia. 18 mm photocells or sensors



• **Assembly of Part. 341 C**

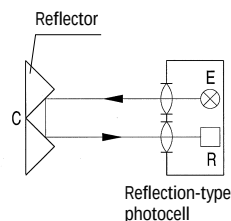
Types of reflectors that can be mounted :

Reflector with clip-on fixing pin: press-fit between clip and clamp hole.



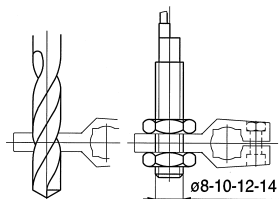
• **Operating principle**

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.

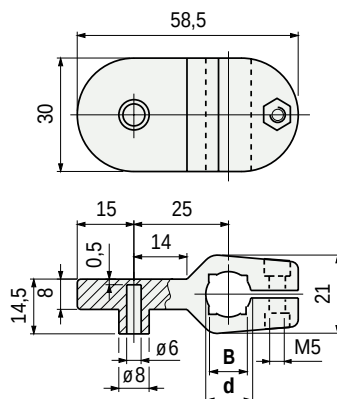


• **Assembly of photocells or sensors**

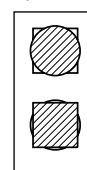
The clamp can also be drilled to hold dia. 8-10-12-14 mm photocells or sensors.



■ **Clamp for reflectors**



Assembly of round and square rods



Part.	Tightening bolt material	Rod dia. d mm	Square rod B mm	Code	Weight kg
		10	8	67215	
	Stainless steel AISI 304	12	10	69125	
		14	12	69135	
341 C					0,02
		10	8	627091	
	Zinc plated steel	12	10	627101	
		14	12	627111	

- Material : clamp in reinforced polyamide PA FV (black).
- Max recommended tightening torque : 0,5 Kgm.
- Packaging : 50 pieces.

Part. 341 C



■ **Connecting tube Ø 10 x 1/Closing cap**

Part.	Material	Code	Weight kg/m
344 - Tube	Stainless steel AISI 304	69713	0,23
343 - Cap	Polypropylene (black)	69703	—

- State of supply for Part. 344 : bars of 3 metres.
- Packaging : 30 metres (Part. 344), 200 pieces (Part. 343) .

Part. 343-344

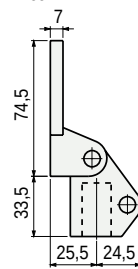


Part. **372**

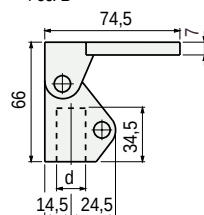
■ Universal clamp for photocells or reflectors

- Can be fitted in positions A - B - C

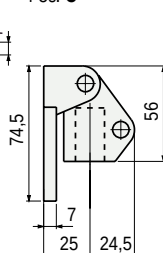
Pos. A



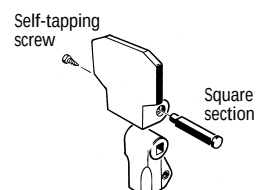
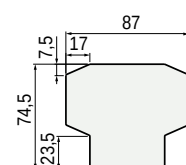
Pos. B



Pos. C



- Flange dimension



Part.	Rod dia. d mm	Code	Weight kg
	14	61786	
	15	61796	
372	16	61806	0,12
	18	61816	
	20	61826*	

- Material : clamp in reinforced polyamide PA FV (black),
tightening bolt in stainless steel AISI 304.

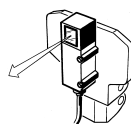
- State of supply : already assembled in position A

- Max recommended tightening torque : 1,5 Kgm.

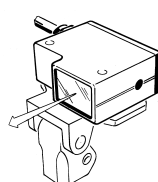
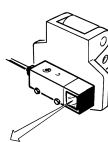
- Packaging : 50 pieces.

• Suitable photocell types

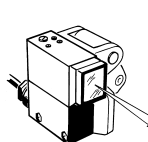
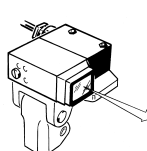
- Omron / E3S - R



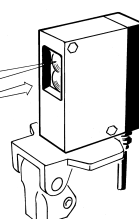
- Sick / WL 36



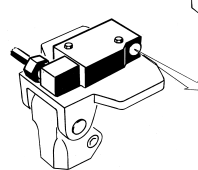
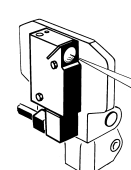
- Omron / E3A2



- Datalogic / RT 7



- Leuze / Rk 18

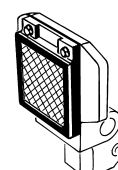


• Suitable reflector types

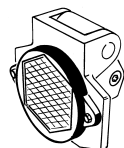
Diell / RL 110



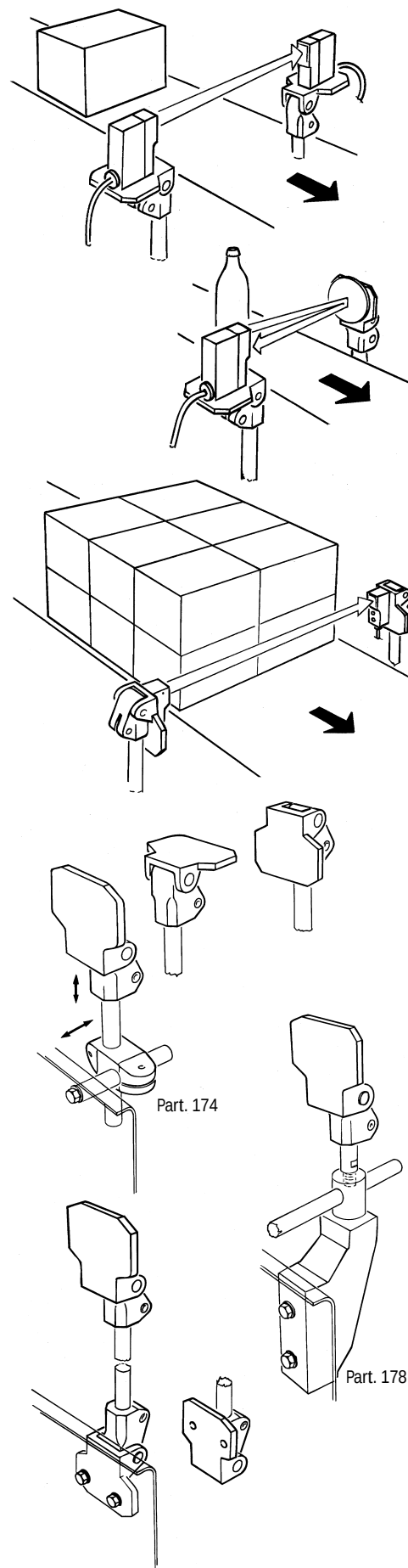
Sicest / RF - 230



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.

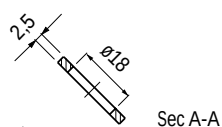
• **Use**

Contact lever ideal to mechanically check the presence of products. Works in conjunction with photocells or magnetic sensor (proximity sensor).

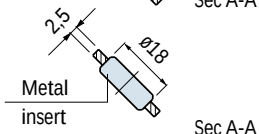
• **Versions**

The control contact lever is supplied in three versions according to the type of sensor to be used.

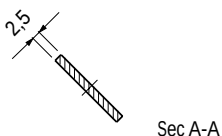
1) With hole (no insert).



2) With hole and metal insert (for magnetic sensor).

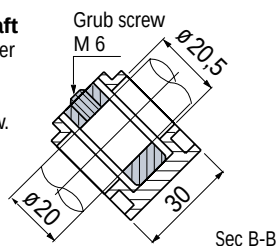


2) Without hole



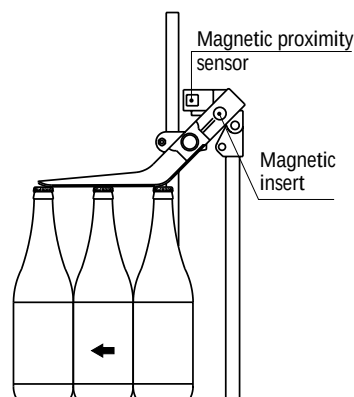
• **Assembly on the shaft**

The control contact lever can be axially fixed on the shaft with a metal collar and a grub screw.

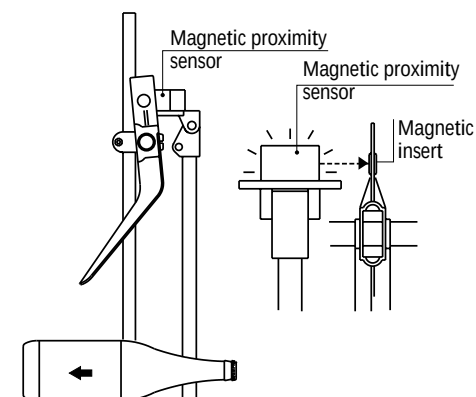


• **Assembly of Part. 518 (with insert for magnetic sensor)**

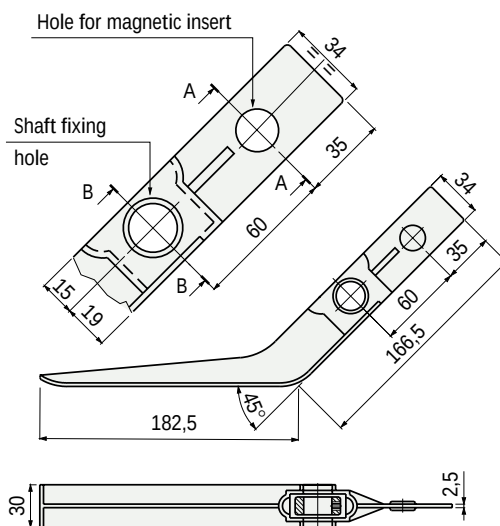
In regular conditions the control contact lever is high and magnetic proximity sensor does not detect the presence of magnetic insert.



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 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.

HINGES



Part. 337 - Page 144
180° hinge.



Part. 260 - Page 144
180° hinge.



Part. 260 - Page 145
180° hinge for misaligned mounting surfaces.



LOCKS



Part. 272 - Page 146
Lock.



TIGHTENING ELEMENTS



Part. 302 - Page 147
Ratchet handle clamping.



Part. 303 - Page 147
Ratchet handle clamping.



Part. 182 - Page 148
Tightening knob.



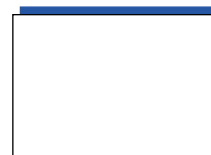
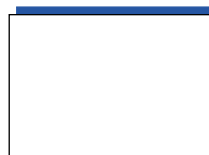
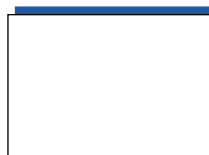
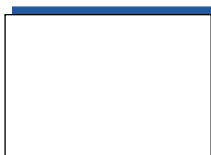
Part. 183 - Pag. 148
Tightening knob.



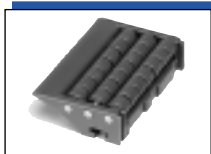
Part. 185 - Page 149
Tightening knob.



Part. 625 - Page 149
Tightening knob.



SLIDING ROLLERS



Part. 567 - Page 150
End transfer module (with lip).



Part. 569 - Page 150
End transfer module.



Part. 568 - Page 150
Centre transfer module.



Part. 20-21 - Page 152
Rollers.



Part. 16 - Page 152
Roller.



Part. 76 - Page 152
Roller.



Part. 63-95 - Page. 153
Rollers.



Part. 363 - Page 153
Roller.



Part. 455 - Page 153
Roller.



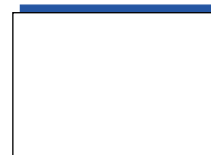
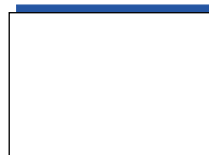
WINDING TENSIONERS



Part. 79 - Page 154
Winding tensioner.



Part. 75 - Page 154
Winding tensioner.



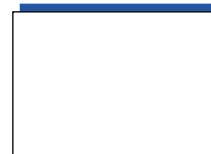
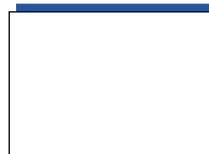
NOZZLES



Part. 19 - Page 155
Nozzle conical shape.
Jet shape : conical.



Part. 18 - Page 155
Nozzle shell shape.
Jet shape : flat.



CABLE CARRIAGE CHAINS



Part. 112 - Page 156
Cable carriage chain.



Part. 114 - Page 156
Attachments.

SPLIT SHAFT COLLARS



Part. 612 - Page 157
Split shaft collars for sprockets
and rollers.

MODULAR NOSE-OVER BAR



Part. 905 - Pag. 158
Modular "Nose-Over" bar
standard profile

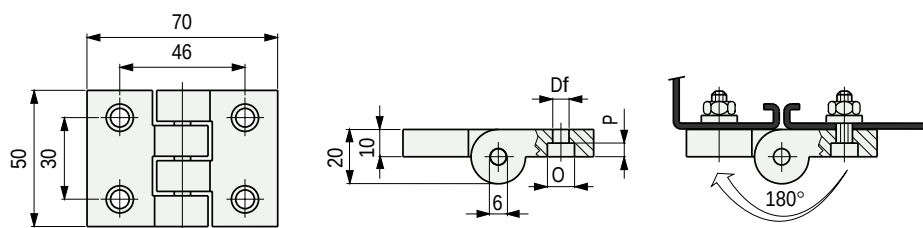


Part. 905 - Pag. 158
Modular "Nose-Over" bar
low profile

Part. 337



■ 180° hinge



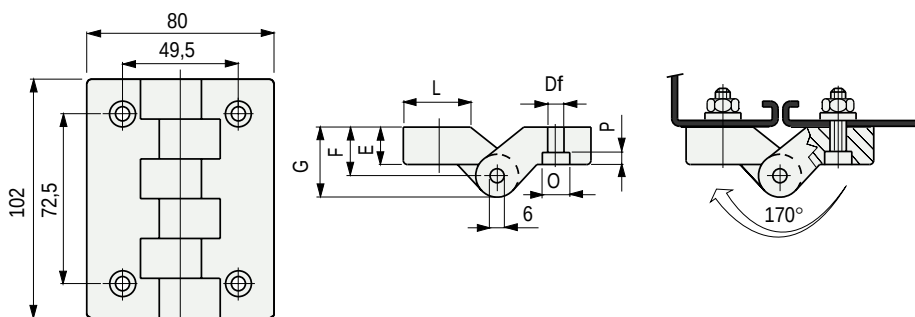
Part.	Fixing screws dia.	Code	Df dia. mm	O mm	P mm	Weight gr	Packaging No. of pieces
337	M 6	67023	6,5	10,5	6	55	24
	M 8	60334	8,5	13,5	4		

- Material : hinge in polyamide PA (black). Pin in stainless steel AISI 430 F.
- Max recommended tightening torque : 0,5 Kgm.

Part. 260



■ 180° hinge

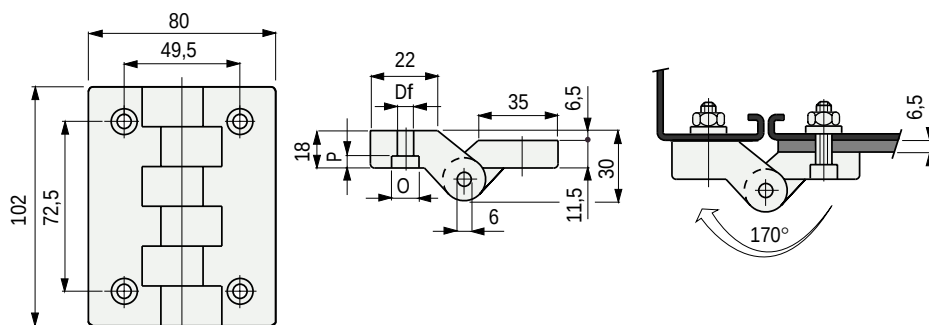


Part.	E mm	Fixing screws dia.	Code	Df dia. mm	F mm	G mm	O mm	P mm	L mm	Weight gr	Packaging No. of pieces
260	11,5	M 6	65021	6,5	11,5	23,5	10,5	6	35	110	20
		M 8	66546	8,5			13,5	8			
	18	M 6	65011	6,5	18	30	10,5	6	22	130	
		M 8	66556	8,5			13,3	8			

- 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).

■ 180° hinge

Part. **260**



Part.	Fixing screws dia.	Code	Df dia. mm	Ø 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).

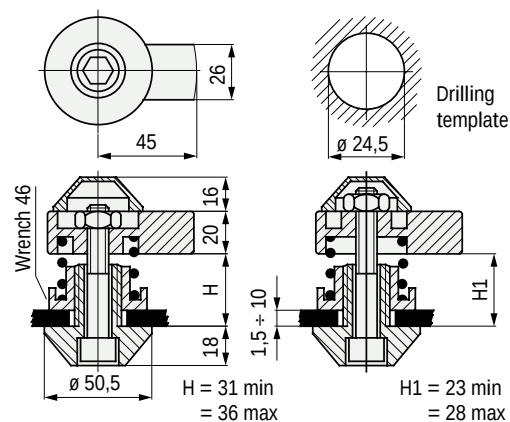
For misaligned mounting surfaces

* : 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 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

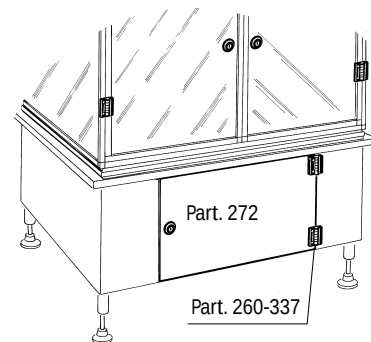
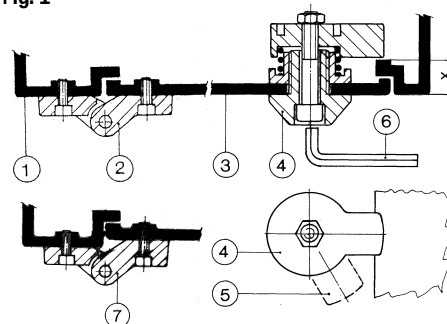


Fig. 1

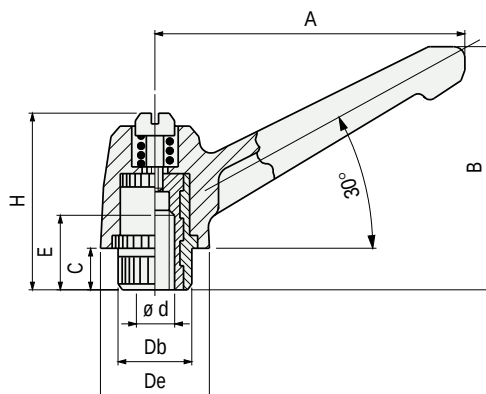


- 1- Machine structure.
- 2- Hinge Part. 260-337.
- 3- Door.
- 4- Lock Part. 272 (in closed position).
- 5- Lock Part. 272 (in open position).
- 6- Lock key (with exagonal 10 wrench).
- 7- Hinge Part. 260 (for misaligned mounting surfaces).

Ratchet handle clamping

Part.	Bore dia. d	A mm	B mm	C mm	E mm	H mm	Db mm	De mm	Code
M 6	40	40	7	12	32	11,5	16		60902
302 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).



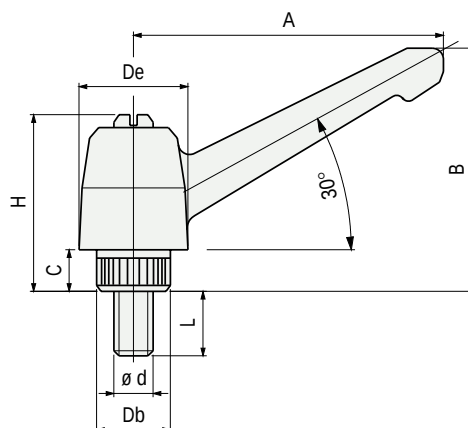
Part. 302



Ratchet handle clamping

Part.	Spindle dia. d	A mm	B mm	C mm	L mm	H mm	Db mm	De mm	Code
M 5	40	40	7	20	32	11,5	16		646742
303 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).

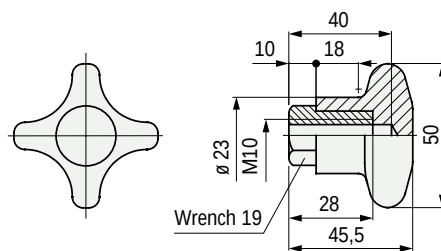


Part. 303



Part. **182**

■ Tightening knob



Part.

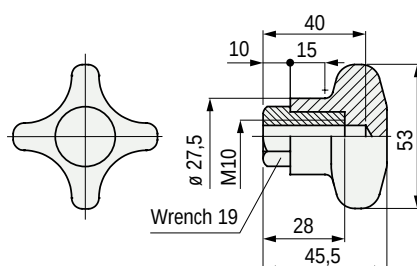
Code

182**54911**

- 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.

Part. **183**

■ Tightening knob



Part.

Code

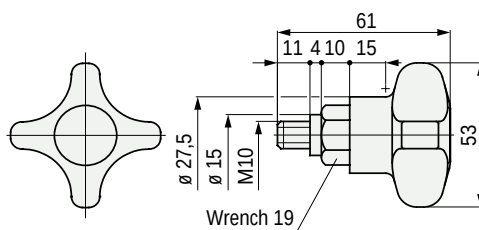
183**54921**

- 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.	Code
185	53081

- Material : knob in reinforced polyamide PA FV (black), spindle 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.

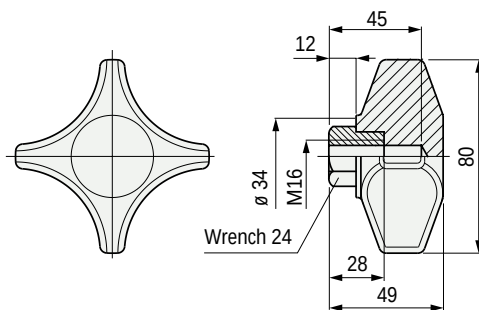


Part. **185**

■ Tightening knob

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.

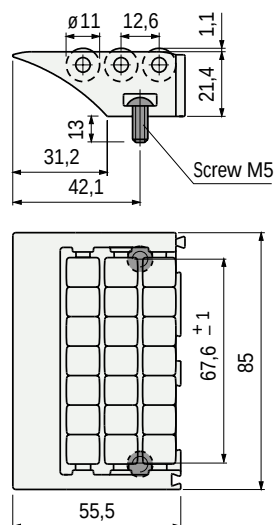


Part. **625**

Part. 567

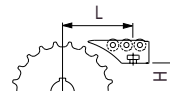


■ End transfer module (with lip)



Part.	Code	Weight kg
567	601072	0,09

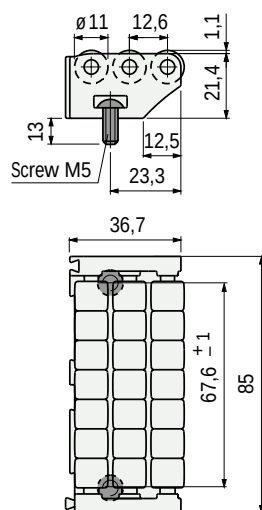
- Use :
 - Head to tail transfer see Fig. 1-2.
 - 90° transfer see Fig. 5.
- Material : frame and rollers in acetal Rex-HP™ (dark grey) very low coefficient of friction. Roller pins and screws in stainless steel AISI 304.
- Modularity : snap-on assembly with Part. 568.
- Packaging : 10 pieces.
- Positioning related to sprockets : see page 165.



Part. 569

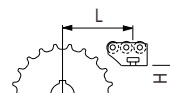


■ End transfer module



Part.	Code	Weight kg
569	601092	0,08

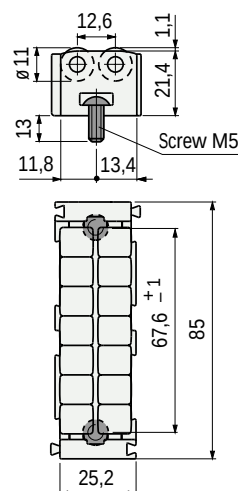
- Use :
 - Head to tail transfer see Fig. 3-4.
 - 90° transfer see Fig. 6.
- Material : frame and rollers in acetal Rex-HP™ (dark grey) very low coefficient of friction. Roller pins and screws in stainless steel AISI 304.
- Modularity : snap-on assembly with Part. 568.
- Packaging : 10 pieces.
- Positioning related to sprockets : see page 165.



Part. 568



■ Centre transfer module

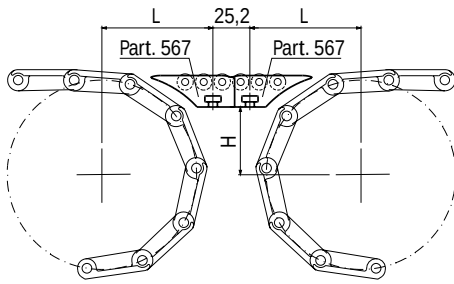


Part.	Code	Weight kg
568	601082	0,06

- Use : snap-on assembly with Part. 567-569.
- Material : frame and rollers in acetal Rex-HP™ (dark grey) very low coefficient of friction. Roller pins and screws in stainless steel AISI 304.
- Packaging : 20 pieces.

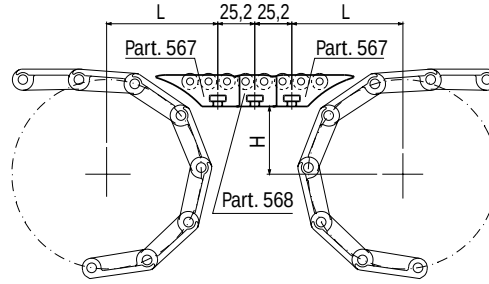
Assembly of Part. 567 - 568 - 569

• **Fig. 1** - Head to tail transfer with 2 modules

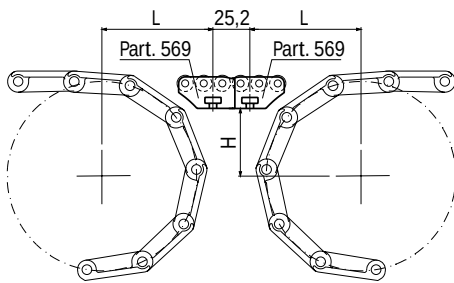


L and H see page 165

• **Fig. 2** - Head to tail transfer with 3 modules

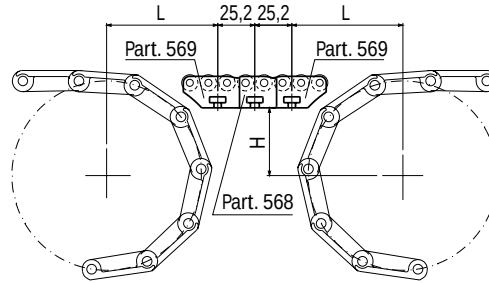


• **Fig. 3** - Head to tail transfer with 2 modules

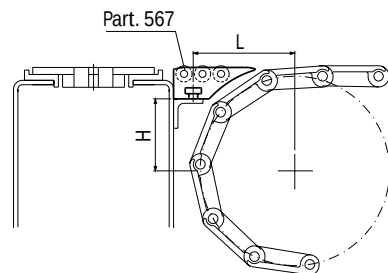


L and H see page 165

• **Fig. 4** - Head to tail transfer with 3 modules

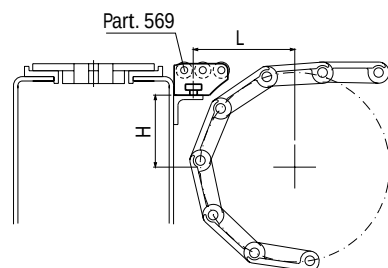


• **Fig. 5** - 90° transfer with Part. 567



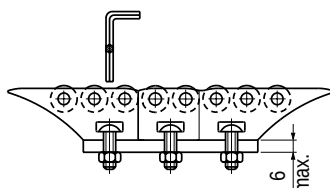
L and H see page 165

• **Fig. 6** - 90° transfer with Part. 569



L and H see page 165

Screws are tightened with an hexagon key inserted between rollers



Head to tail transfer of small and light products

Head to tail transfer of big and heavy products

90° transfer of small and light products

90° transfer of big and heavy products

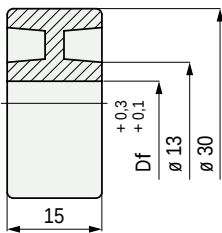
Fixing

Part. 20-21

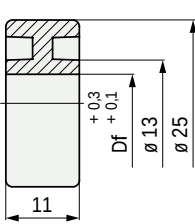


Rollers

Part. 20



Part. 21



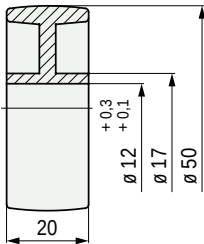
Part.	Bore dia. Df mm	Code
20	7	51410*
21	5,5	51420
	9,5	51430*
	10,5	51440*

- Material : polyamide PA (black).
- Packaging : 200 pieces.

Part. 16



Roller



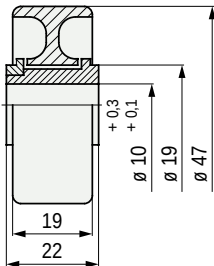
Part.	Code
16	51400

- 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.

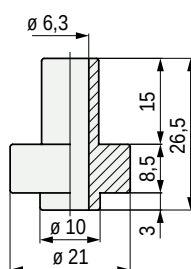
* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

Rollers

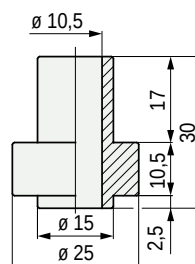
Part.	Code
63	51370
95	51380

- 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



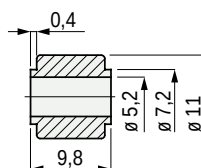
Part. 63-95



Roller

Part.	Code
363	64434

- Material : acetal Rex-LF® (light brown) very low coefficient of friction.
- Packaging : 5000 pieces.



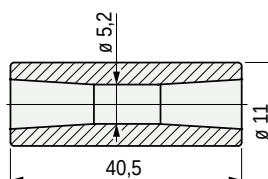
Part. 363



Roller

Part.	Code
455	614381

- Material : acetal Rex-LF® (light brown) very low coefficient of friction.
- Packaging : 500 pieces.



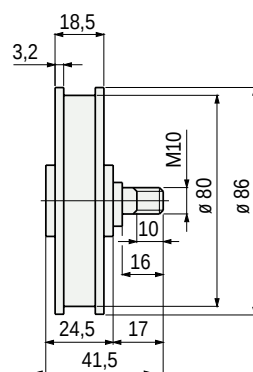
Part. 455



Part. 79



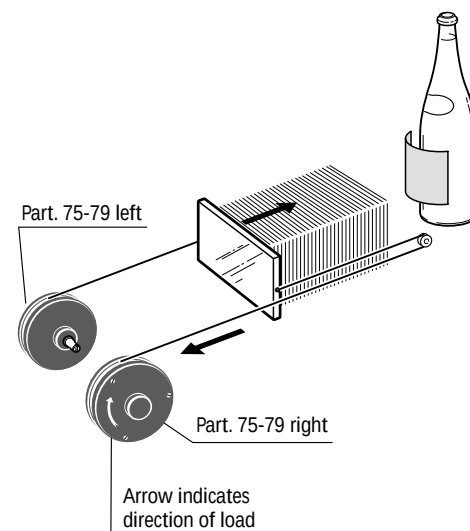
Winding tensioner



Part.	Load gr.	Winding travel mm	Direction of travel	Code
79	0÷2000	2000	right left	672622 672632

- Material : pulley in polyamide PA (orange), pin in brass.
- Packaging : 10 pieces.

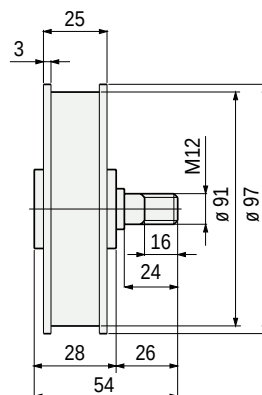
Assembly of Part. 79-75



Part. 75



Winding tensioner

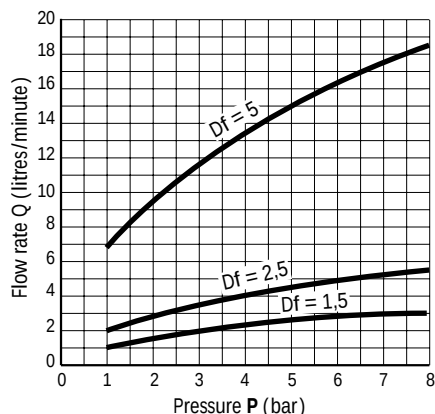


Part.	Load gr.	Winding travel mm	Direction of travel	Code
75	0÷4000	2500	right left	672642N 672652N
	0÷2800*	600	right left	672662N 672672N

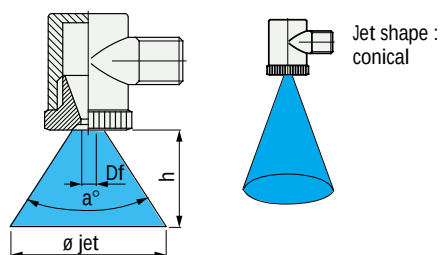
* = Unwinding the spring, the load is almost constant (10/20% loss of load).

- Material : pulley in reinforced polyamide PA FV (black), pin in brass.
- Packaging : 10 pieces.

• Capacity diagram of Part. 19



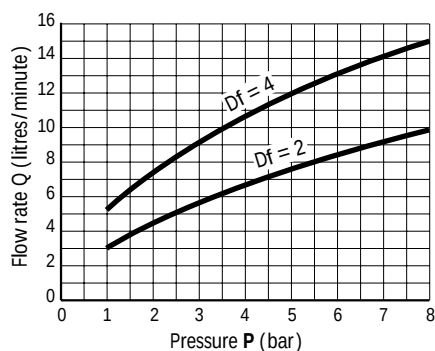
• Dimensions and jet shape of Part. 19



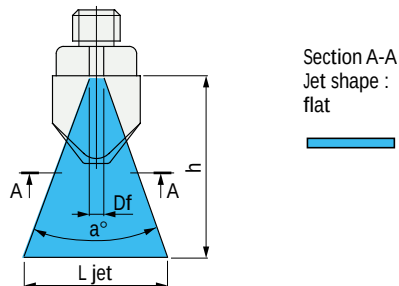
Bore dia. Df mm	outlet angle a°	Jet dia. mm	distance h mm
1,5	18°	160	500
2,5	22°	200	500
5	60°	600	500

Tests performed at 2 bar pressure.

• Capacity diagram of Part. 18



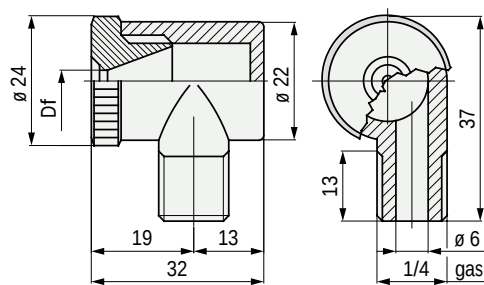
• Dimensions and jet shape of Part. 18



Bore dia. Df mm	outlet angle a°	Jet width L mm	distance h mm
2	28°	250	500
4	18°	160	500

Tests performed at 2 bar pressure.

■ Nozzle conical shape



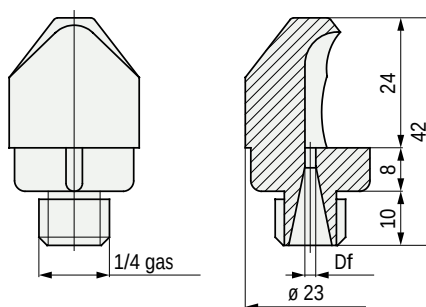
Part.	Bore dia. Df mm	Code
19	1,5	51450*
	2,5	51460
	5	51470*

- 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. Df 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.

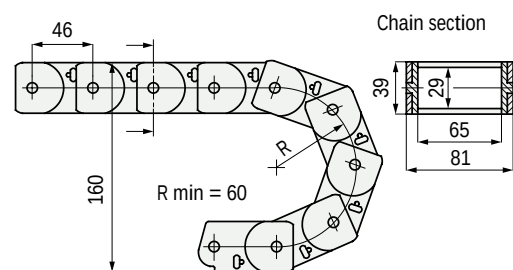
Part. 18



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

Part. **112**

■ Cable carriage chain



Part.

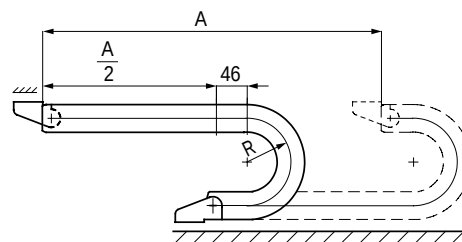
112

Code

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.

• Calculation of chain length L



$$L = \frac{A}{2} + \pi \cdot R + (46 \cdot 2)$$

L = chain length (mm).

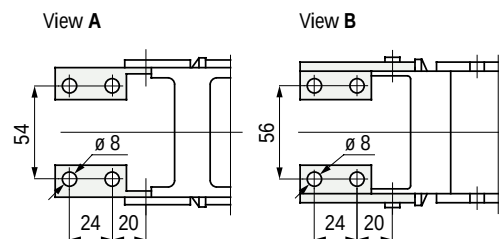
A = chain stroke (mm).

R = curving radius (mm).

Accessories

Part. **114**

■ Attachments



Part.

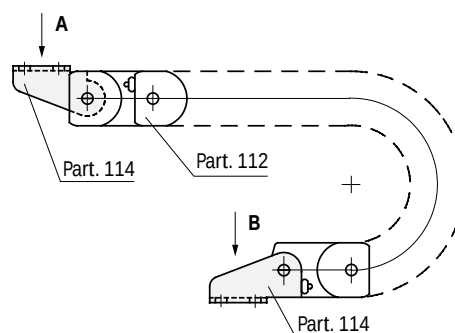
114

Code

59040*

- Material : zinc plated steel.
- State of supply : complete with No. 4 connections.
- Packaging : 5 kit.

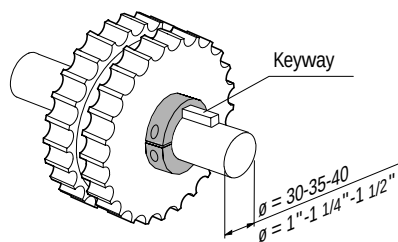
• Assembly of Part. 114



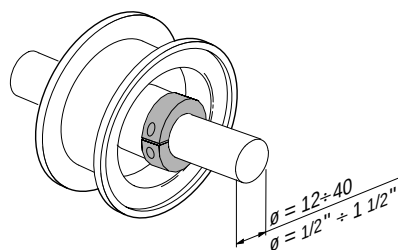
* : items highlighted are made to order and not in stock, minimum quantity may apply, consult our customer service for availability.

• Assembly of Part. 612

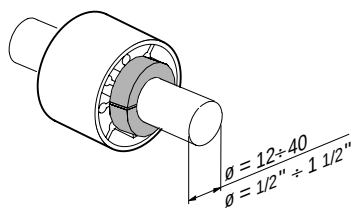
- With sprockets



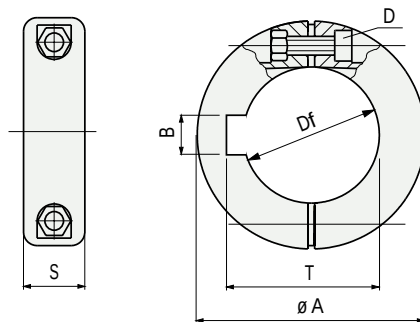
- With idler wheels



- With rollers



■ Split shaft collar



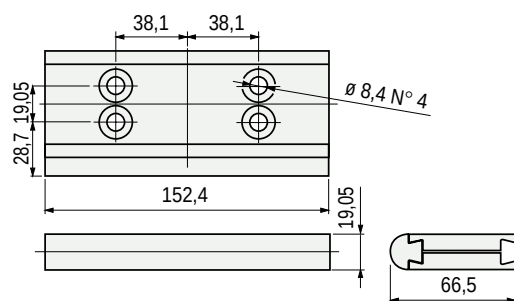
Part.	Bore dia.		Ø A mm	S mm	B mm	T mm	D	Code	Weight kg
	mm	Inch							
• Without seat keyway									
612	12	–	30	11,7	–	–	M4	655062	–
	–	1/2"	30	11,7	–	–	M4	655072	–
	14	–	30	11,7	–	–	M4	655082	–
	16	5/8"	35	11,7	–	–	M4	655092	–
	18	–	40	14	–	–	M4	614712	0,018
	–	3/4"	40	14	–	–	M4	655102	–
	20	–	40	14	–	–	M4	614722	0,019
	25	–	45	14	–	–	M4	619452	0,022
• With seat keyway									
612	–	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 1/2"	63,5	18	9,58	42,65	M5	655132	–
	40	–	63,5	18	12	43,3	M5	615012	0,040

- 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.

Part. 905



Modular "Nose-Over" bar standard profile



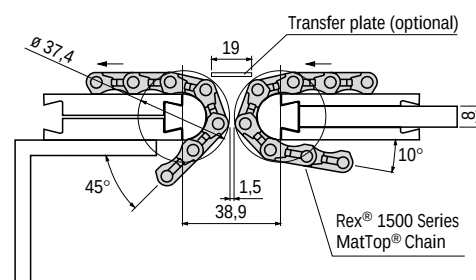
Part.	Code
905	655711

- Material : clamp in polyamide PA (black), sliding profile in Nylatron®.
- Weight : 0,18 Kg.
- Packaging : 1 pieces.

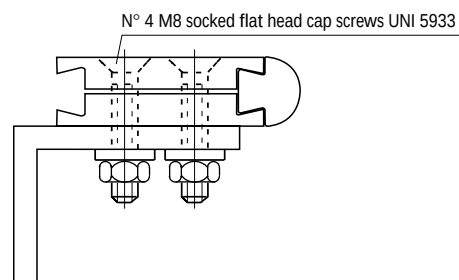
• Characteristics of Part. 905



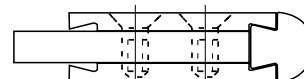
• Assembly of Part. 905



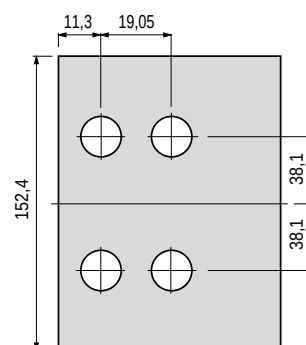
• Modular nose-over bar standard



• Modular nose-over bar low profile



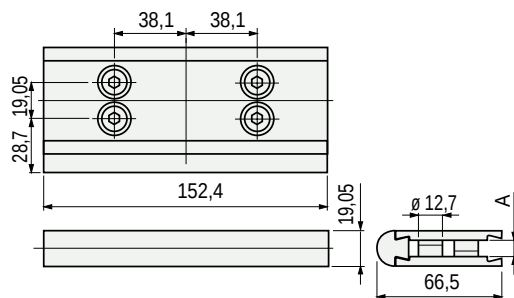
• Drilling template



Part. 905



Modular "Nose-Over" bar low profile



Part.	Hardware	A	Code
905	Metric	8 mm	655721
	English	1/4"	655731

- Material : clamp in polyamide PA (black), sliding profile in Nylatron®, steel hardware.
- Weight : 0,18 Kg.
- Packaging : 1 pieces.

TECHNICAL INFORMATION

Plastic materials

Polyamide PA

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

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 : 94 HB.

Polypropylene PP

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

Reinforced polypropylene PP FV

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

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 : 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 : 94 HB.

Metal materials

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.

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

$$L_t = L_0 \cdot [1 + a \cdot (T - 20^{\circ}\text{C})]$$

L_t = final length (mm.)
 L_0 = initial length (mm.)
 a = coefficient of linear expansion.
 T = operating temperature (°C).
 20°C = ambient temperature.

Calculation of thermal expansion

Example :

a guide having initial length $L_0 = 1000$ mm, coefficient of linear expansion 2×10^{-4} , and an operating temperature of 70°C , expands by :

$$L_t = 1000 \text{ mm} \cdot [1 + 0,0002 \cdot (70^{\circ}\text{C} - 20^{\circ}\text{C})] = 1010 \text{ mm}$$

CHEMICAL AGENT	POLYAMIDE PA		POLYETHYLENE PE		POLYPROPYLENE PP		ACETAL POM		AISI 303 AISI 304		NICKEL PLATED BRASS	
	Conc.%	23° C	Conc.%	23° C	Conc.%	23° C	Conc.%	23° C	Conc.%	23° C	Conc.%	23° C
ACETIC ACID	100	+	10	+	40	+	5	-	20	+	/	
ACETONE	100	+		+		+	/		50	+		+
ALUMINIUM CHLORIDE	10	+								-		
AMMONIA	10	+		+	30	+	Sol.	+	50	+		-
AMMONIA CONC.	10	+		+		+		-				
AMMONIUM CHLORIDE	10	+							10	/		
AMYL ALCOHOL	100	+				+				+		
ANILINE		/	3	+	100	+	3	+	3	+		
BEER		+		+		+		+		+		
BENZENE		+		/		+		+	70	/		
BENZOIC ACID	Sat.	/			Sat.	+			100	/		
BENZOL	100	+		/		/		+		+		+
BORIC ACID	10	+	Sat.	+	Sat.	+		+	100	/		
BRINE		/		+	Sat.	+		/				
BUTTER		+		+		+		+		+		+
BUTHYL ALCOHOL	100	+				+				+		
BUTYRIC ACID		-		+	100	+		-	5	+		
CALCIUM CHLORIDE	10	+	Sat.	+	50	+		/	10	-		+
CARBON SULPHIDE	100	+		+		+		+		+		
CARBON TETRACHLORIDE		+		/		-		+	10	-		+
CAUSTIC SODA	10	+	25	+	52	+	25	-		+		
CHEESE		-		+		+		+				
CHLORINATED WATER		+		-		-		-		-		
CHLOROFORM	100	-		-		/		-	100	+		+
CHOCOLATE		-		+				+				
CITRIC ACID	10	/		+	10	+		/	5	+		-
CUPRIC SULPHATE	10	+		+	Sat.	+		+	5	+		
DISTILLED WATER		+		+		+		+		+		
ETHYL ACETAT	100	+				+			100	/		
ETHYL ALCOHOL	96	+		+	96	+		+	10	+		+
ETHYL CHLORIDE	100	+		/		-		+		+		/
ETHYL ETHER	100	+		+		+		+				
FERRIC CHLORIDE	10	+				+			20	-		
FOOD FATS		+		+		+		+		+		
FOOD OILS		+		+		+		+		+		
FORMALDEHYDE	30	+		/	40	+		+	100	+		+
FORMIC ACID	10	-	10	+	100	+	10	-	5	/		+
FREON 12		+								+		
FRESH WATER		+		+		+		+		+		
FRUIT JUICES		+		+		+		+		+		
GASOLINE		+		/		/		+		+		/
GLYCERINE		+		+		+		+		+		+
HYDROCHLORIC ACID	10	-	37	+	30	+	37	-		-		/
HYDROCHLORIC ACID	2	-	2	+	2	+	2	/				
HYDROFLUORIC ACID	40	-	70	+	40	+		-		-		
HYDROGEN PEROXIDE	3	-		+	30	+		-	30	+		/
IODINE		-		+		+		+				
LACTIC ACID	10	+		+	20	+		+	5	+		-
LINSEED OIL		+				+			100	+		
MAGNESIUM CHLORIDE	10	+			Sat.	+			5	+		
MERCURY		+		+	100	+		+	100	/		/
METHYL ALCOHOL	100	+		+		+		+	100	/		+
METHYLENE CHLORIDE	100	+		/		/		-		/		
MILK		+		+		+		+		+		+
MINERAL OILS		+		+		+		+		+		
MUSTARD		-		+		+		+				
NITRIC ACID	10	-	5	/		+	5	-	10	+		
OLEIC ACID	100	+		/		+		-	100	/		+
PARAFFIN		+		+	100	/		+		+		
PETROLEUM		+		-	100	/		+		+		+
PETROLEUM ETHER		+		+		+		+		+		+

CHEMICAL AGENT	POLYAMIDE PA		POLYETHYLENE PE		POLYPROPYLENE PP		ACETAL POM		AISI 303 AISI 304		NICKEL PLATED BRASS	
	Conc.%	23° C	Conc.%	23° C	Conc.%	23° C	Conc.%	23° C	Conc.%	23° C	Conc.%	23° C
PHENOL		–				+			10	+		
PHOSFORIC ACID	10	–	95	+	85	+	10	–	10	–		–
POTASSIUM HYDROXIDE	10	+							50	+		
SEA WATER		+		+		+	/			+		+
SILICONE OIL		+				+						
SILVER NITRATE		+			20	+			60	/		
SOAP AND WATER		+		+		+		+		+		
SODIUM CARBONATE	10	+		+	Sat.	+		+	5	+		
SODIUM CHLORIDE	10	+		+	Sat.	+		+	5	+		+
SODIUM HYDROXIDE	10	+		+	30	+	10	+		–		
SODIUM HYPOCHLORITE		+		+	20	+		–		–		
SODIUM SILICATE		+							100	+		
SODIUM SULPHATE	10	+		+	Sat.	+		+	5	+		
SOFT DRINKS		+		+		+		+		+		
SUDS		+				+						
SULPHURIC ACID	10	–	40	/	98	+	40	–	10	–		+
TARTARIC ACID		+		+	10	+	30	/	10	+		–
TETRALINE		+				–						
TINCTURE OF IODINE		–		+		+		+				–
TRANSFORMER OIL		+				/						
TRICHLORETHYLENE		/		+		/		–		+		+
TURPENTINE		/		–		–		–		+		
VASELINE		+		/		+		+				
VEGETABLE JUICES		+		+		+		+		+		
VEGETABLE OILS		+		+		+		+		+		
VINEGAR		+		+		+		+		+		+
WHISKY		+		+		+		+		+		+
WINE		+		+		+		+		+		+
XIOL		+		/		–		+		+		/
ZINC CHLORIDE	10	/			20	+			10	–		

Abbreviations: Sat. = saturated.

Legend..

+ = Good resistance.

/ = Fairly good resistance (limited use depending on working conditions).

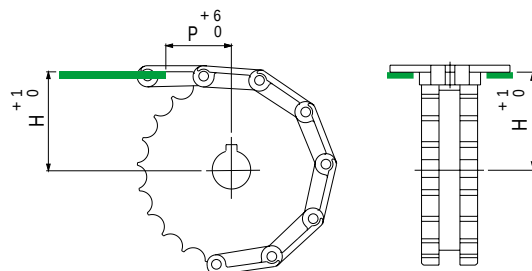
– = Poor resistance (not recommended).

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.

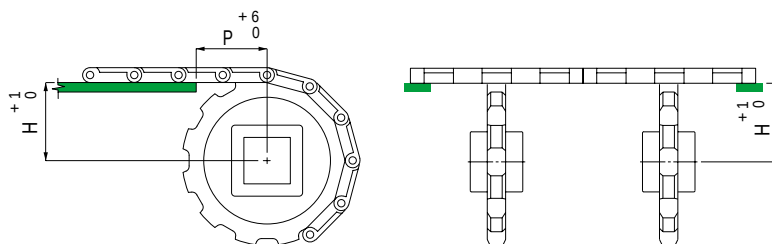
Position of chain guide profiles for TableTop® chains



Chain	H mm	P 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.

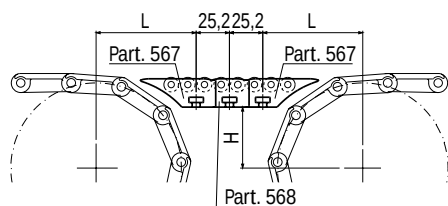
Position of chain guide profiles for MatTop® chains



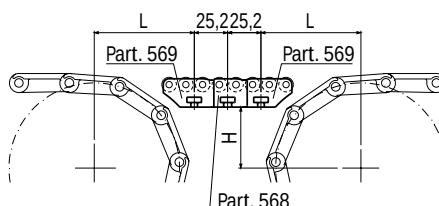
Chain	H mm	P mm
1505 - 1506	(Dp:2) - 4,95	25
2100	(Dp:2) - 4,37	25
4705 - 4706 - 4707 - 4705 Vacuum - 4803 - 5705 - 5706	(Dp:2) - 6,35	38
4812	(Dp:2) - 5,2	38
4809	(Dp:2) - 7,9	57
5935 - 5936 - 5935 Vacuum - 8505 - 8506	(Dp:2) - 4,35	19
5996 - 5997 - 5998	(Dp:2) - 9,1	57
6390 - 6391 - 6392	(Dp:2) - 7,0	50
7705 - 7706	(Dp:2) - 6,35	25
7956	(Dp:2) - 6,35	32

Dp = primitive diameter of drive sprocket - mm.

• **Head to tail transfer with Part. 567**



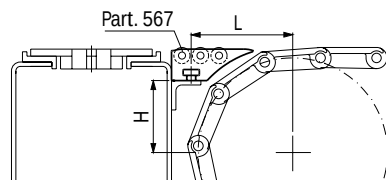
• **Head to tail transfer with Part. 569**



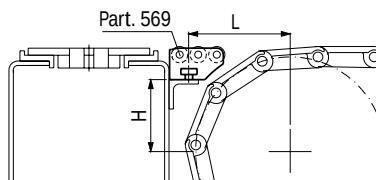
Type of transfer

According to chain and sprocket dimension it may be necessary to use one or more centre module Part. 568

• **90° transfer with Part. 567**



• **90° transfer with Part. 569**



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	71,2	72,7	72,2
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	71,2	72,7	72,2
512	45,2	67,4	53,2	68,9	60,3	70,3	69,3	71,6	—	—	—	—	—	—	—	—
1864 - 1874 - 4874	37,6	73,3	43,6	74,8	49,7	76,3	55,7	77,6	61,8	79,0	67,8	80,3	—	—	—	—
820	31,5	65,4	37,4	66,7	43,4	67,9	49,3	69,0	55,3	70,1	61,3	71,2	67,3	72,2	73,3	73,2
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	33,3	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	37,6	73,5	43,6	75,0	49,7	76,5	55,7	77,9	61,8	79,2	67,8	80,5	—	—	—	—
1873 - 1853 - 853	37,6	68,7	43,6	70,0	49,7	71,2	55,7	72,4	61,8	73,6	67,8	74,7	73,8	75,7	—	—
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	70,5	68,7	71,5	74,7	72,5
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	70,7	69,7	71,7	75,7	72,6
HFP 820	33,5	65,1	39,4	66,3	45,4	67,5	51,3	68,6	57,3	69,6	63,3	70,6	69,3	71,6	75,3	72,6
HFP 821	34,3	65,3	40,2	66,5	46,2	67,6	52,1	68,7	58,1	69,7	64,1	70,8	70,1	71,8	76,1	72,7
HFP 867 - HFP 1877 - HFP 1873	40,4	66,5	46,4	67,7	52,5	68,8	58,5	69,8	64,6	70,8	70,6	71,8	76,6	72,8	—	—
SLBP 821	46,8	67,7	52,7	68,8	58,7	69,8	64,6	70,9	70,6	71,8	76,6	72,8	—	—	—	—

**H, L dimensions for
TableTop® chains**

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	70,9	70,7	71,8	76,7	72,8
882 TAB	42,7	66,9	48,6	68,1	54,6	69,1	60,6	70,2	—	—	—	—	—	—
LPC 279	49,9	68,3	55,8	69,4	61,8	70,4	67,8	71,4	73,8	72,3	—	—	—	—
HFP 880 TAB	42,9	67,0	48,7	68,1	54,7	69,2	60,7	70,2	66,7	71,2	72,7	72,2	—	—
HFP 882 TAB	44,7	67,3	50,6	68,4	56,6	69,5	62,6	70,5	—	—	—	—	—	—
SLBP 882 TAB	57,2	69,6	63,1	70,6	69,1	71,6	75,1	72,5	—	—	—	—	—	—

Chain	Z 12		Z 21		Z 23		Z 24		Z 25		Z 27	
	H	L	H	L	H	L	H	L	H	L	H	L
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	71,2
HFP 5705	—	—	51,0	68,5	57,0	69,6	60,0	70,1	63,0	70,6	69,0	71,6

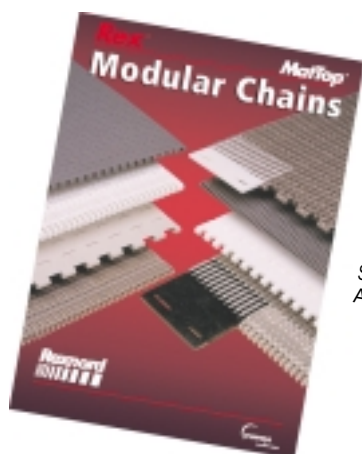
**H, L dimensions for
MatTop® chains**

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	9,2	59,3	59,1	69,9
4812	—	—	32,5	64,9	—	—	—	—	—	—	56,3	69,4	—	—	—	—
5996	52,5	68,8	—	—	70,2	71,8	—	—	—	—	—	—	—	—	—	—
6390 - 6391 - 6392	—	—	49,8	68,3	—	—	65,4	71,0	—	—	—	—	—	—	—	—

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
5935 - 5936	13,0	60,4	—	—	—	—	—	—	55,6	69,3	58,6	69,8	76,9	72,8
7705 - 7706	—	—	49,0	68,1	57,0	69,6	69,1	71,6	—	—	—	—	—	—

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MatTop®

Solid Top chains.
Perforated Top chains.
Raised Top chains.
Vacuum chains.
Sprockets and idler wheels.
Accessories.



TableTop®

Steel TableTop® and PlateTop chains.
Thermoplastic TableTop® and PlateTop chains.
Chains for incline conveyors.
Gripper chains.
Case conveyor chains.
Multiflex chains.
Low backline pressure chains.
Special chains.
Corner tracks and straight tracks.
Sprockets and idler wheels.
Accessories.



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Thermoplastic, steel and stainless steel supporting feet.
Vibration absorbing feet.
Fixed feet.
Articulated feet with or without mounting holes.
Threaded bushes for tubes.



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Complete sealed supports.
Supports with high corrosion resistance.
Supports for shafts of Ø 20 and Ø 45 mm.



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Rexnord Marbett S.p.A.

Italy

Via della Costituzione, 45
42015 Correggio (RE)

Tel. 0522 - 639333

Fax 0522 - 637778

E-mail info@rexnordmarbett.it

Internet www.rexnordmarbett.com

MCC Nederland b.v.

P.O. Box 112

2690 AC 's-Gravenzande

The Netherlands

Phone 0174 - 445111

Fax 0174 - 445222

E-mail mcc@euronet.nl

Internet www.mcc-nl.nl