

marbett® Stainless steel components



Rexnord
////

FlatTop Chain Group

May 2004

Company profile

marbett®



PRODUCT RANGE

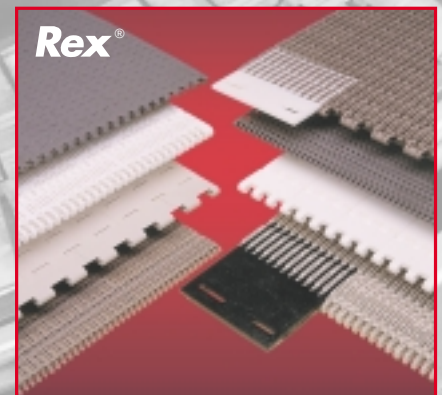
Marbett started in 1968 as third parties plastic parts specialist making design, moulds and injection moulding.

In few years we specialised in plastic components for the food and beverage industry, offering the first complete catalogue of conveyor components.

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.



TableTop® Chains



MatTop® Modular chains



Chains and Components



Conveyor Components



Stainless steel Components



Self-aligning bearings



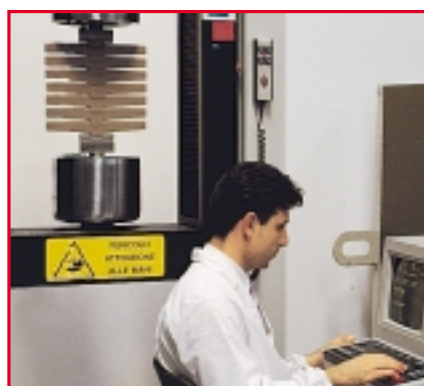
Supporting and levelling elements

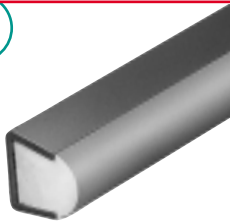
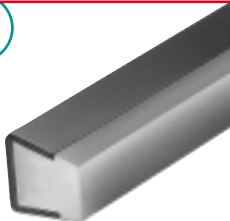
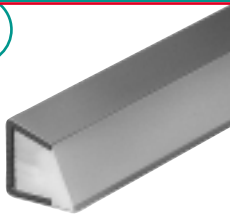
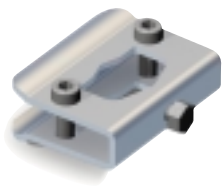
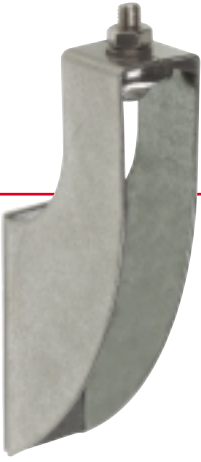
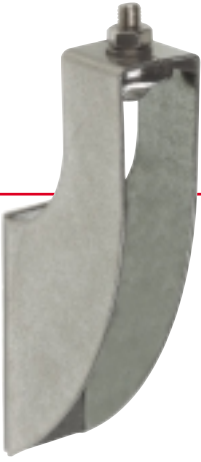


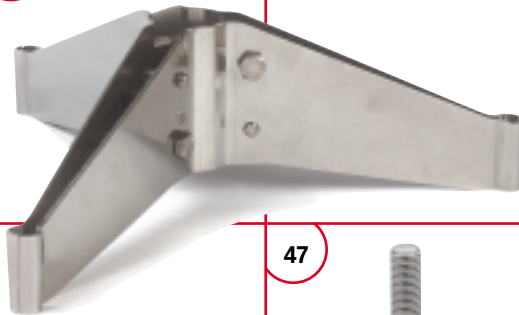
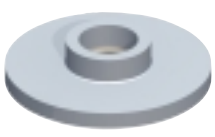
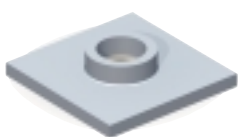
Rexnord Marbett

COMPANY WITH QUALITY SYSTEM
CERTIFIED BY DNV

== **UNI EN ISO 9001** ==



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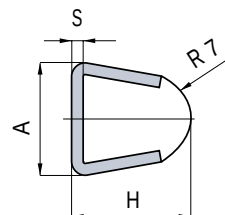
Part. 219

Part. 317

■ Guide rails

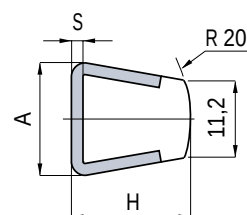
Part. 219

Round profile



Part. 317

Half round profile



Part.	Thickness S mm	Length 3 metres	Length 6 metres	H mm	A mm	Weight kg/m
		Code	Code			
219	1,5	60161	69292	17,5	16	0,54
	2	61753	67113	18	17	
317	1,5	69072	69302	17,5	16	0,54
	2	67063*	67103	18	17	

* = Supplied upon request.

- Material : plastic profile in polyethylene UHMWPE (white). Metal profile in stainless steel AISI 304.

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

• **Linear expansion coefficient:** 4×10^{-5}

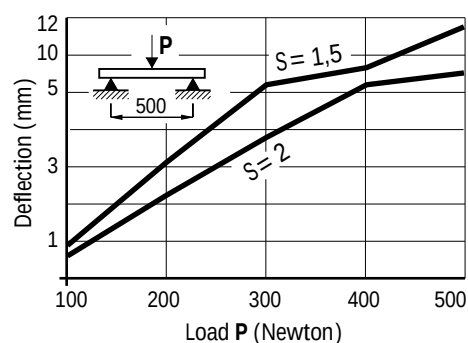
Calculation of thermal expansion see technical information.

• **Min. curvature radius:** 145 mm.

Use the manual bending machine Part. 218

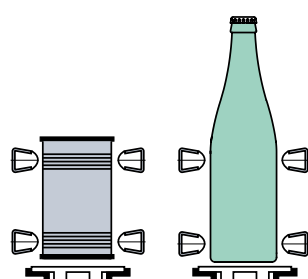


• **Deflection**



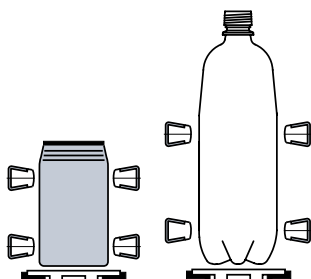
• Use of Part. 219

Medium strength containers
(ex: latten, glass).

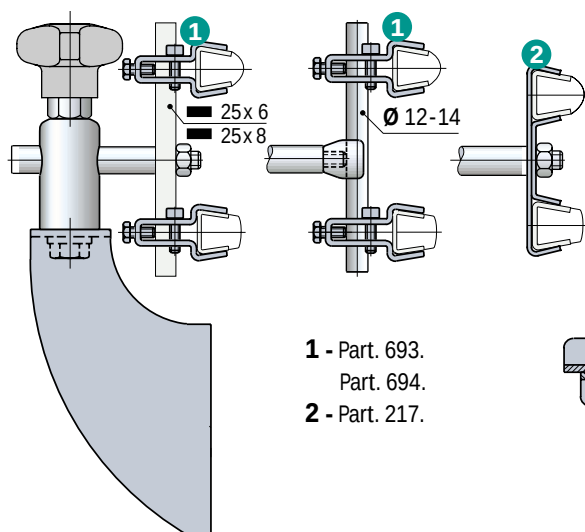


• Use of Part. 317

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

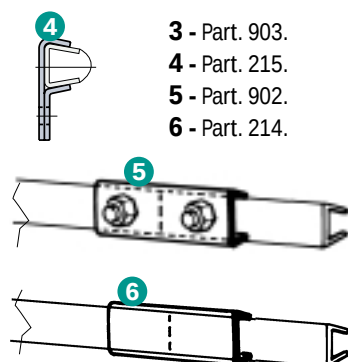


• Type of guide rail clamps that can be used



1 - Part. 693.
Part. 694.
2 - Part. 217.

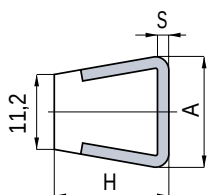
3 - Part. 903.
4 - Part. 215.
5 - Part. 902.
6 - Part. 214.



■ Guide rails

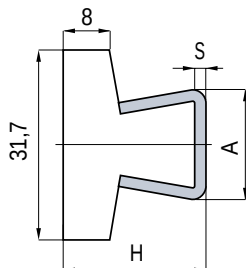
Part. 223

Flat profile



Part. 273

Extra flat profile



Part.	Thickness S mm	Length 3 metres Code	Length 6 metres Code	H mm	A mm	Weight kg/m
223	1,5	61031	69402	17,5	16	0,54
	2	61743*	67123	18	17	
273	2	66791	67602	21,3	17	0,76

* = Supplied upon request.

- Material : plastic profile in polyethylene UHMWPE (white). Metal profile in stainless steel AISI 304.

- Packaging : 24 metres (in 3 m length).
48 metres for Part. 223 (in 6 m length).
36 metres for Part. 273 (in 6 m length).

• **Linear expansion coefficient:** 4×10^{-5}

Calculation of thermal expansion see technical information.

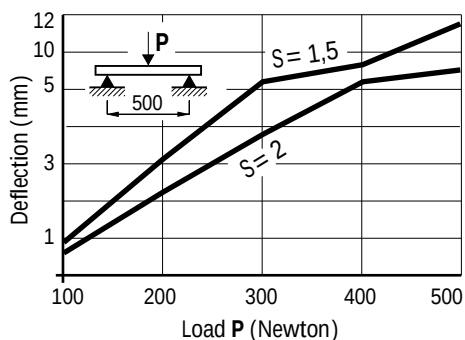
• **Min. curvature radius:**

145 mm (for Part. 223), 160 mm (for Part. 273).

Use the manual bending machine Part. 218



• **Deflection**



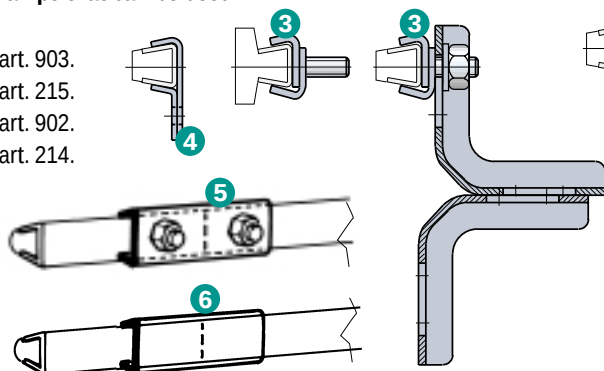
• **Type of guide rail clamps that can be used**

3 - Part. 903.

4 - Part. 215.

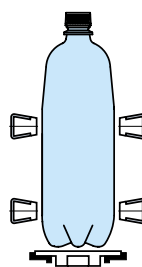
5 - Part. 902.

6 - Part. 214.



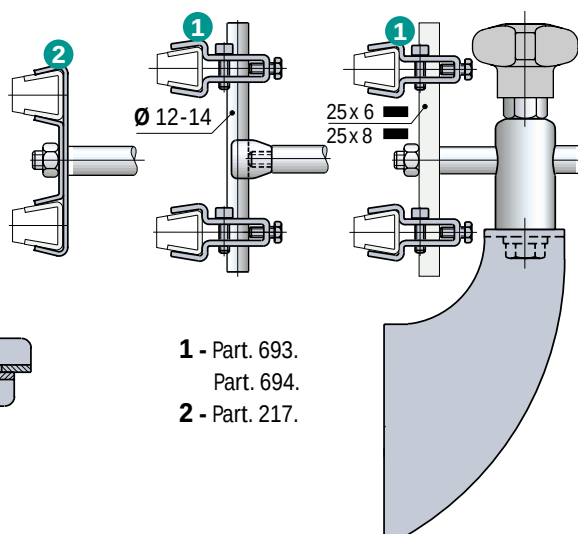
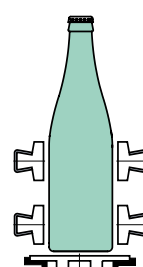
• **Use of Part. 223**

Middle delicate containers (ex: full PET).



• **Use of Part. 273**

Rugged containers with delicate surface (for example decorated glass bottles).



1 - Part. 693.

Part. 694.

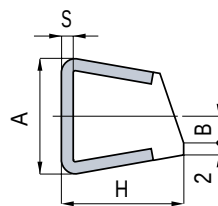
2 - Part. 217.

Part. 393

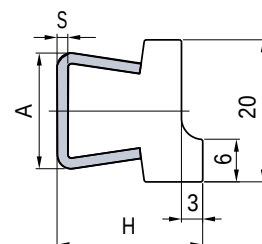
Part. 596

Label protection guides

Part. 393



Part. 596



Part.	Thickness S mm	H mm	Length 3 metres	Length 6 metres	A mm	B mm	Weight kg/m
			Code	Code			
393	1,5	15	62522	—	16	3,9	0,50
		17	62512	—	16	3,6	
596	1,5	20,5	—	611092 *	16	—	0,65

* = Supplied upon request.

- Material : plastic profile in polyethylene UHMWPE (white). Metal profile in stainless steel AISI 304.

- Packaging : 24 metres (for Part. 393).
48 metres (for Part. 596).

• **Linear expansion coefficient:** 4×10^{-5}

Calculation of thermal expansion see technical information.

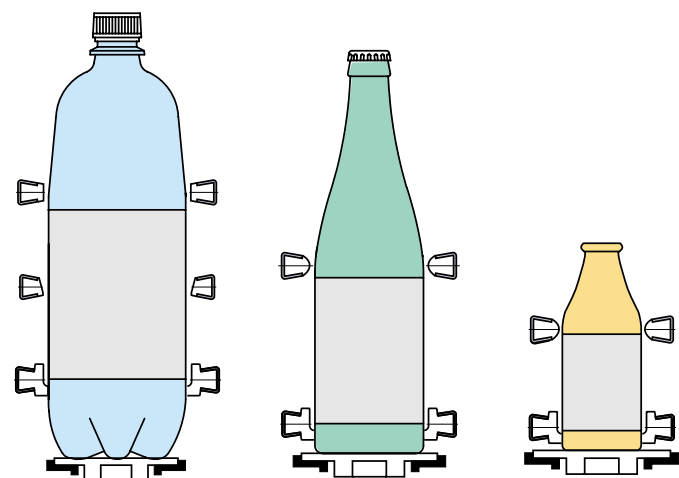
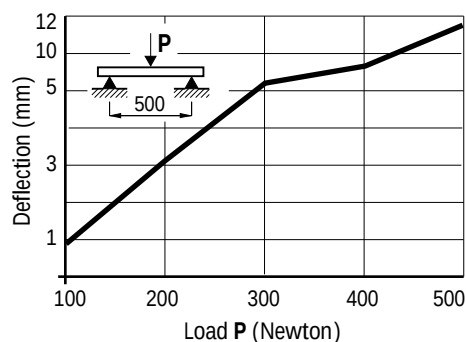
• **Min. curvature radius:**

145 mm (for Part. 393), 160 mm (for Part. 596).

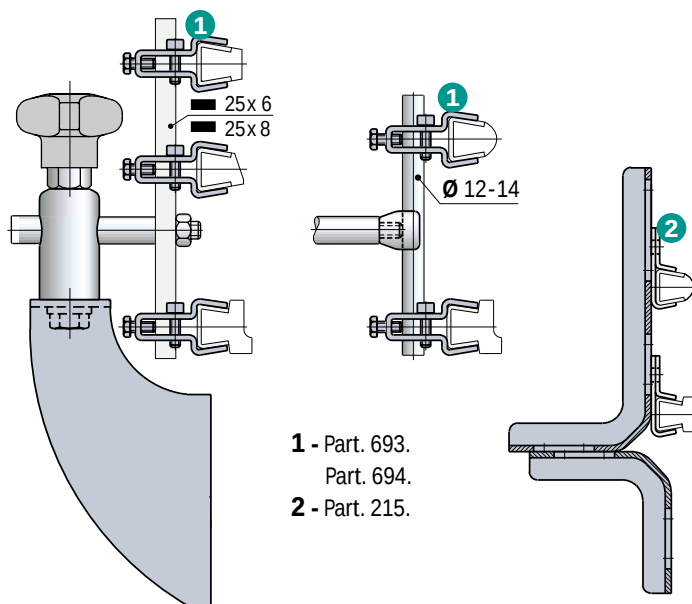
Use the manual bending machine Part. 218



• **Deflection**



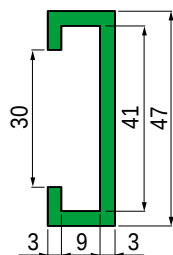
• **Type of guide rail clamps that can be used**



1 - Part. 693.
Part. 694.
2 - Part. 215.

Part. 539 - Guide rails

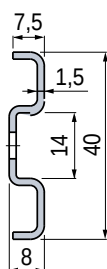
Extra flat profile



Part.	Length metres	Code	Weight kg/m
539	3	689291	0,23
	6	689311	

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

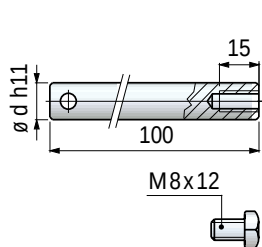
Part. 537 - Metal profiles



Part.	Length metres	Code	Weight kg/m
537	3209	689231	0,72
	6425	689241	

- Material : stainless steel AISI 304.
- Min. curvature radius : 500 mm.
- Packaging : 51,3 metres (in 3209 mm length), 51,4 metres (in 6425 mm length).

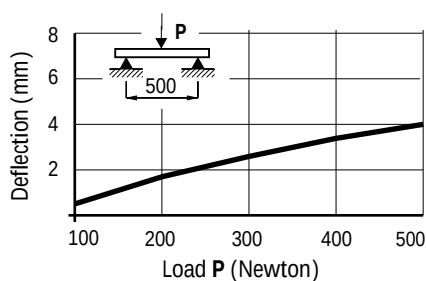
Part. 535 - Bolts set



Part.	pin dia. d mm	Code	Weight kg
535	12	684641	0,12
	14	684651*	

- * = Supplied upon request.
- Material : stainless steel AISI 303.
- State of supply : complete with screw M8 x 12.
- Packaging : 24 pieces.

Deflection of Part. 537

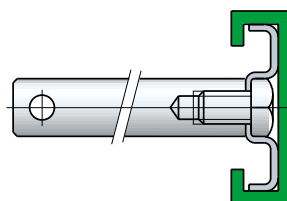


Part. 539

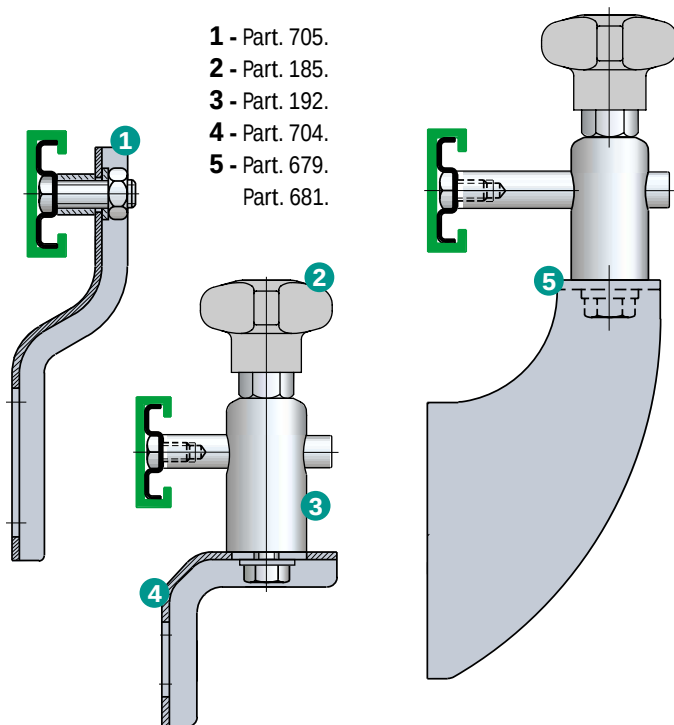
Part. 537

Part. 535

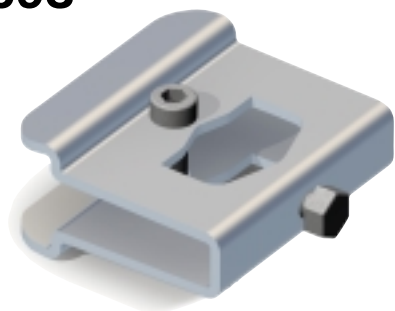
Assembly



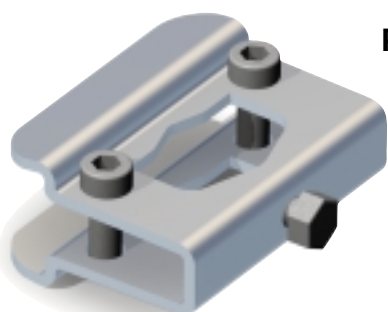
- 1 - Part. 705.
- 2 - Part. 185.
- 3 - Part. 192.
- 4 - Part. 704.
- 5 - Part. 679.
Part. 681.



Part. 693



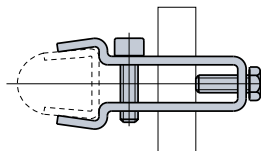
Part. 694



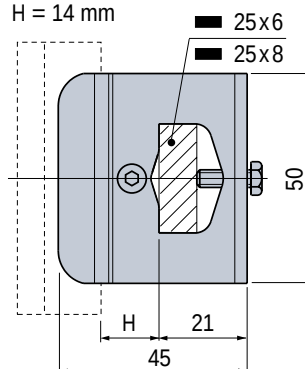
■ Guide rail clamps

Part. 693

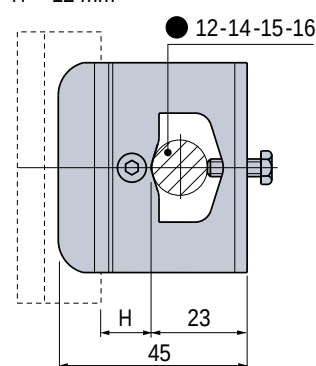
With one fixing screw



Fixing on plates
H = 14 mm

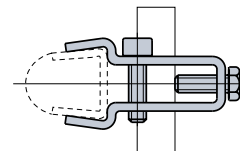


Fixing on rods
H = 12 mm

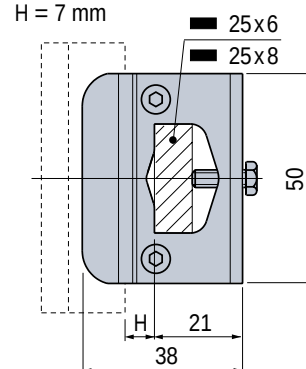


Part. 694

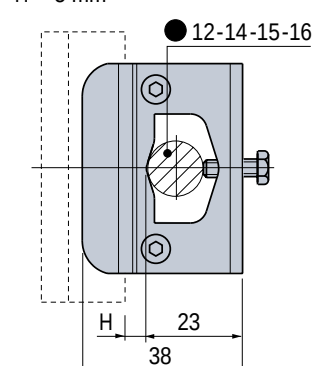
With two fixing screws



Fixing on plates
H = 7 mm



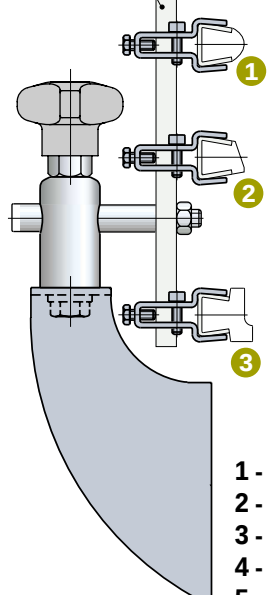
Fixing on rods
H = 5 mm



• Type of guide rails that can be used

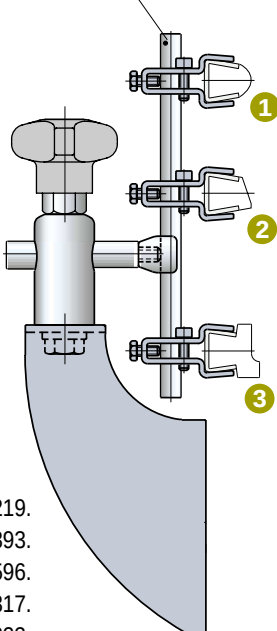
Fixing on plates

■ 25x6
■ 25x8



Fixing on rods

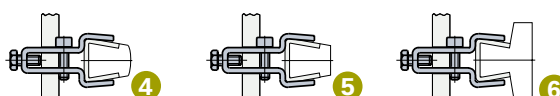
● 12-14-15-16



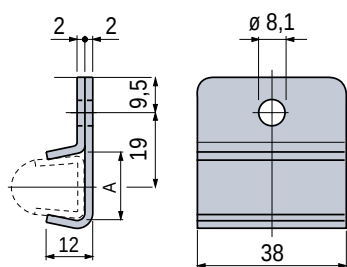
- 1 - Part. 219.
- 2 - Part. 393.
- 3 - Part. 596.
- 4 - Part. 317.
- 5 - Part. 223.
- 6 - Part. 273.

Part.	H mm		Code	Weight kg
	Fixing on plates	Fixing on rods		
693	14	12	689212	0,00
694	7	5	689222	0,00

- Material : clamp and bolt in stainless steel AISI 304.
- Packaging : 16 pieces.



■ Part. 215 - Guide rail clamps



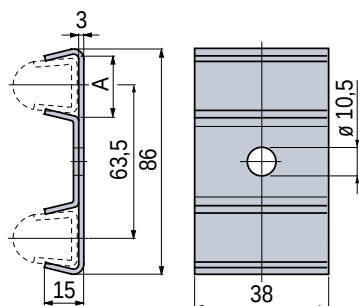
Part.	Use	Code	A mm	Weight kg
215	For guides with S = 1,5	60121	16	0,04
	For guides with S = 2	65976	17	

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

Part. 217



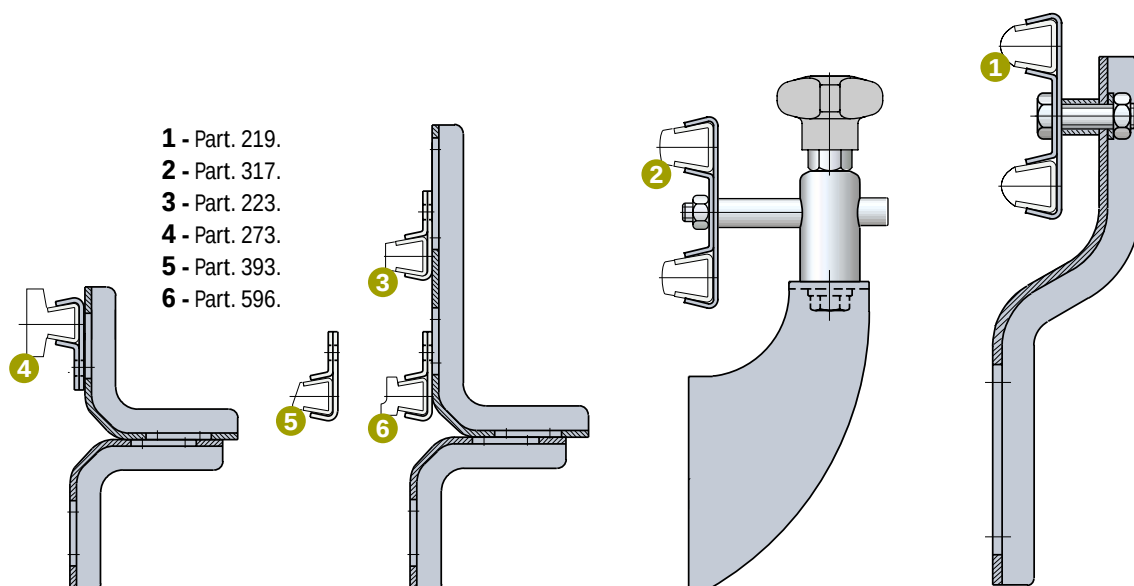
■ Part. 217 - Guide rail clamps (double)



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

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

• Type of guide rails that can be used



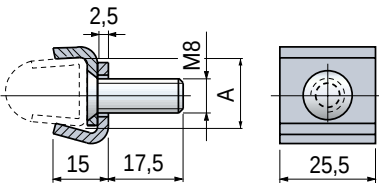
Part. 903



Part. 216



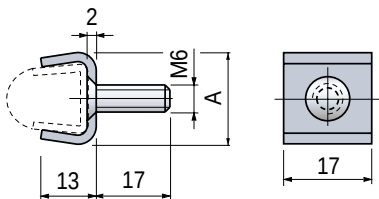
■ Part. 903 - Guide rail clamps



Part.	Use	Code	A mm	Weight kg
903	For guides with S = 2	656001*	17	0,05

* = Supplied upon request.
- Material : stainless steel AISI 303.
- Packaging : 50 pieces.

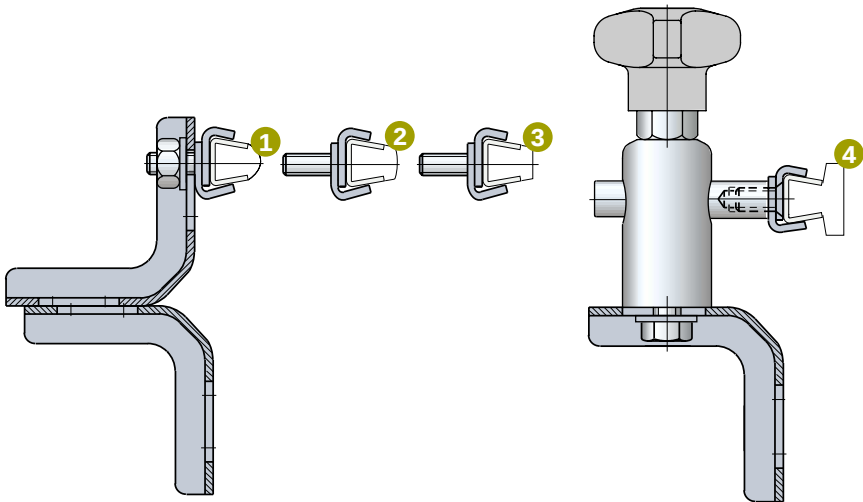
■ Part. 216 - Guide rail clamps



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

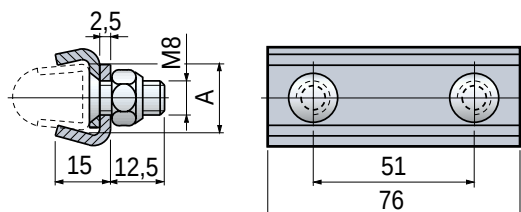
* = Supplied upon request.
- Material : stainless steel AISI 304.
- Packaging : 50 pieces.

• Type of guide rails that can be used



Part. 902

■ Part. 902 - Connecting clamps



Part. 214



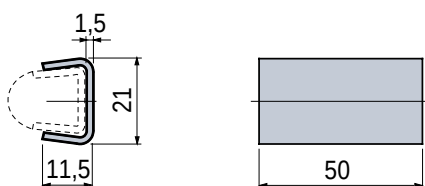
Part.	Use	Code	A mm	Weight kg
902	For guides with S= 2	656041*	17	0,09

* = Supplied upon request.

- Material : clamp and self-locking nut in stainless steel AISI 303.

- Packaging : 50 pieces.

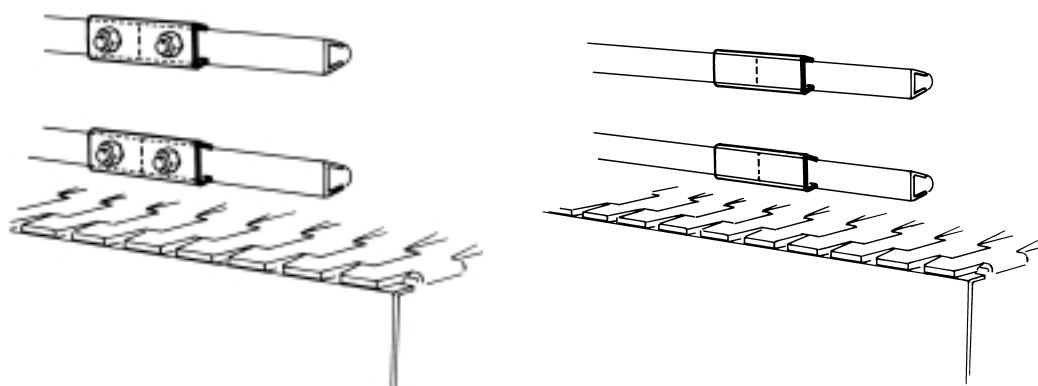
■ Part. 214 - Connecting clamps



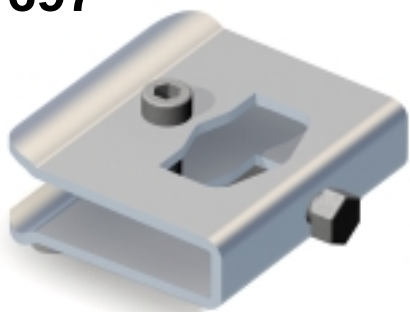
Part.	Code	Weight kg
214	60111	0,02

- Material : stainless steel AISI 304.

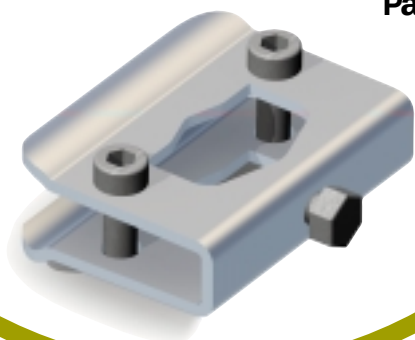
- Packaging : 50 pieces.



Part. 697



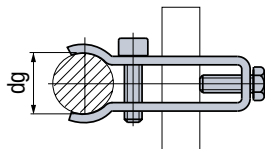
Part. 698



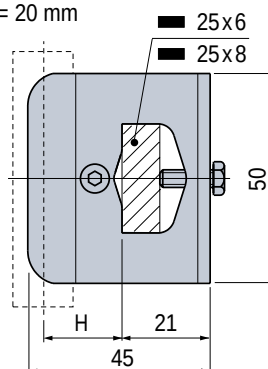
■ Guide rail clamps

Part. 697

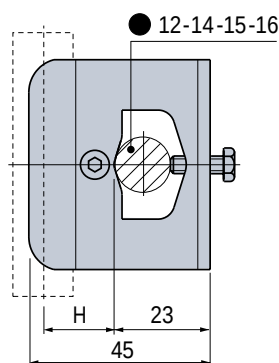
With one fixing screw



Fixing on plates
H = 20 mm

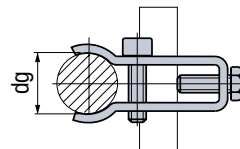


Fixing on rods
H = 18 mm

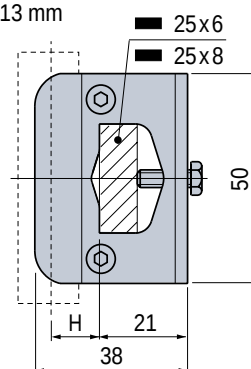


Part. 698

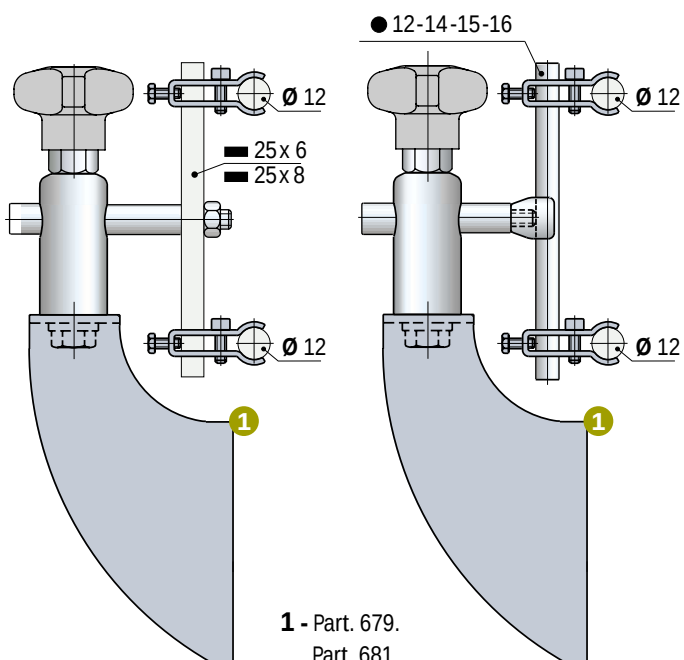
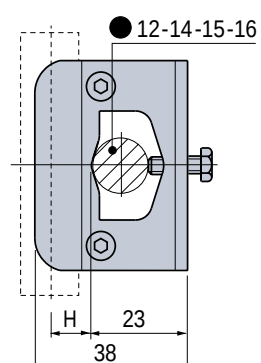
With two fixing screws



Fixing on plates
H = 13 mm



Fixing on rods
H = 11 mm

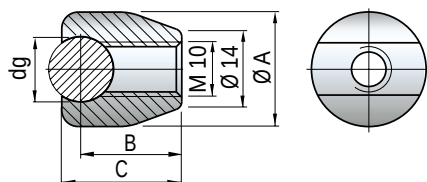


1 - Part. 679.
Part. 681.

Part.	H mm		Guide dia. dg mm	Code	Weight kg
	Fixing on plates	Fixing on rods			
697	20	18	12	689192	0,00
698	13	11	12	689202	0,00

- Material : clamp and bolt in stainless steel AISI 304.
- Packaging : 16 pieces.

Part. 662 - Guide rail clamps

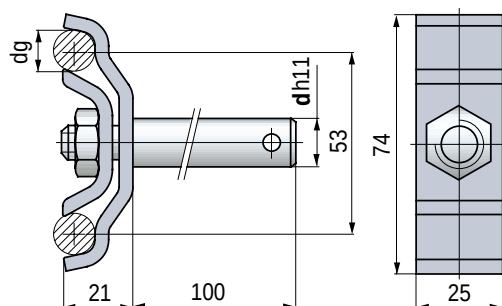


Part.	Guide dia. dg mm	Code	ØA mm	B mm	C mm	Weight kg
662	10	669542	20	17,5	20	0,03
	12	669552	21	18,5	22	
	14	669562	23	19,5	24	

- Material : stainless steel AISI 303.

- Packaging : 50 pieces.

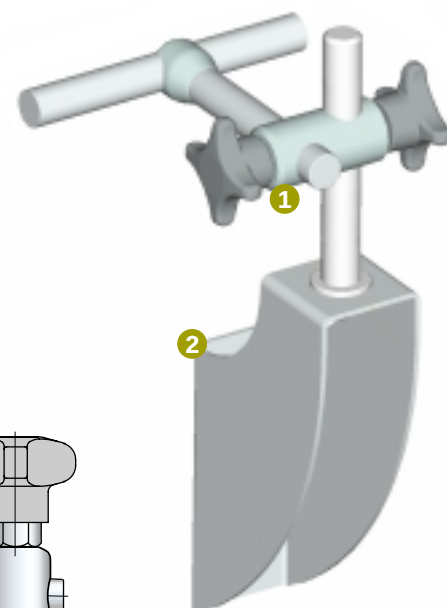
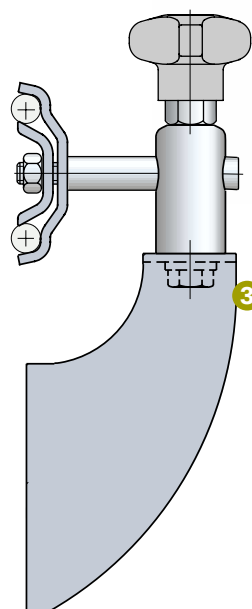
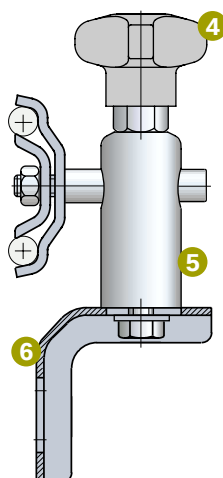
Part. 50 - Guide rail clamps (double)



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

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

- Packaging : 50 pieces.

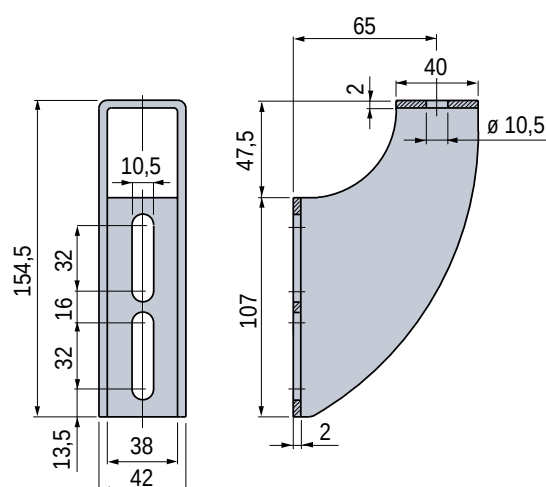


- 1 - Part. 661.
- 2 - Part. 678.
Part. 680.
- 3 - Part. 679.
Part. 681.
- 4 - Part. 185.
- 5 - Part. 192.
- 6 - Part. 704.

Part. 678



■ Adjustable brackets

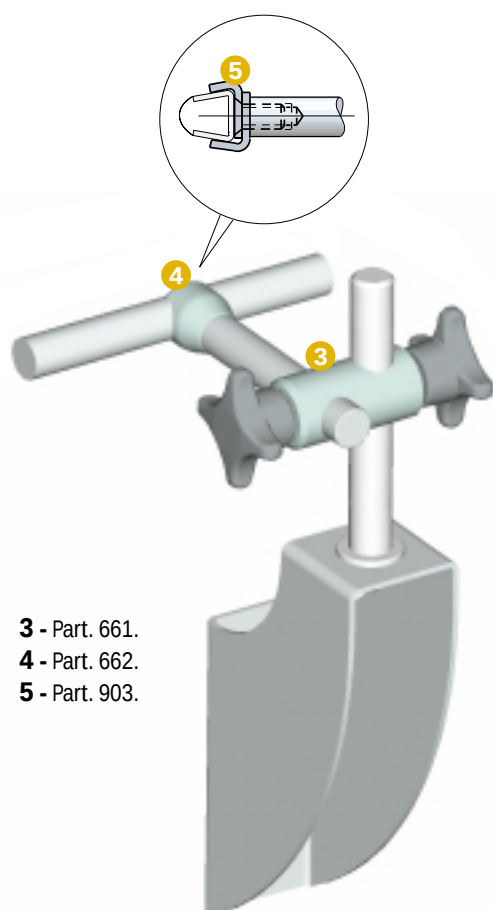


Part.	Code	Weight kg
678	684292	0,32

- Material : stainless steel AISI 304.
- Packaging : 6 pieces.

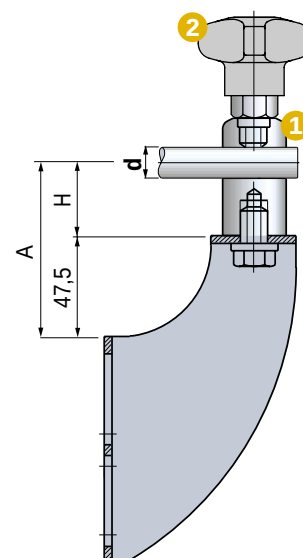
• Accessories

- 1** - Part. 192 (Swivel head).
- 2** - Part. 185 (Tightening knob).

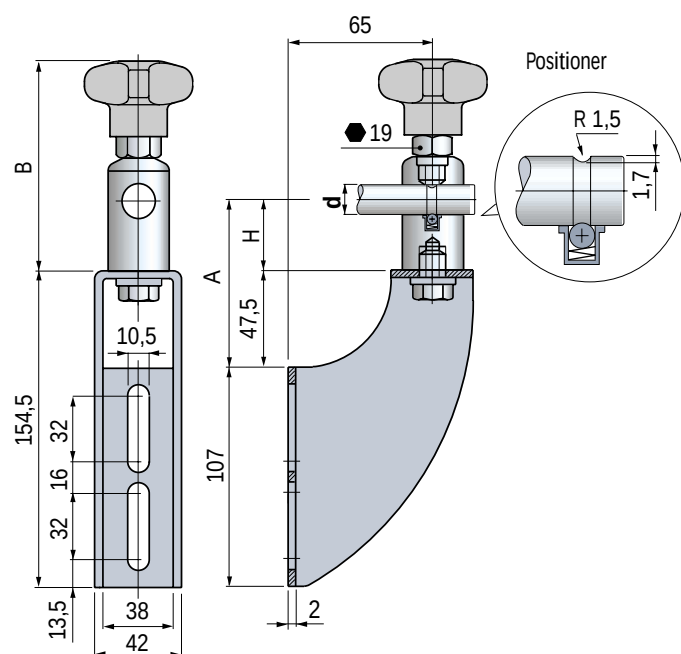


- 3** - Part. 661.
- 4** - Part. 662.
- 5** - Part. 903.

Pin dia. d mm	A mm	H mm
	70	22,5
	87,5	40
14 ÷ 16	107,5	60
	137,5	90
	177,5	130



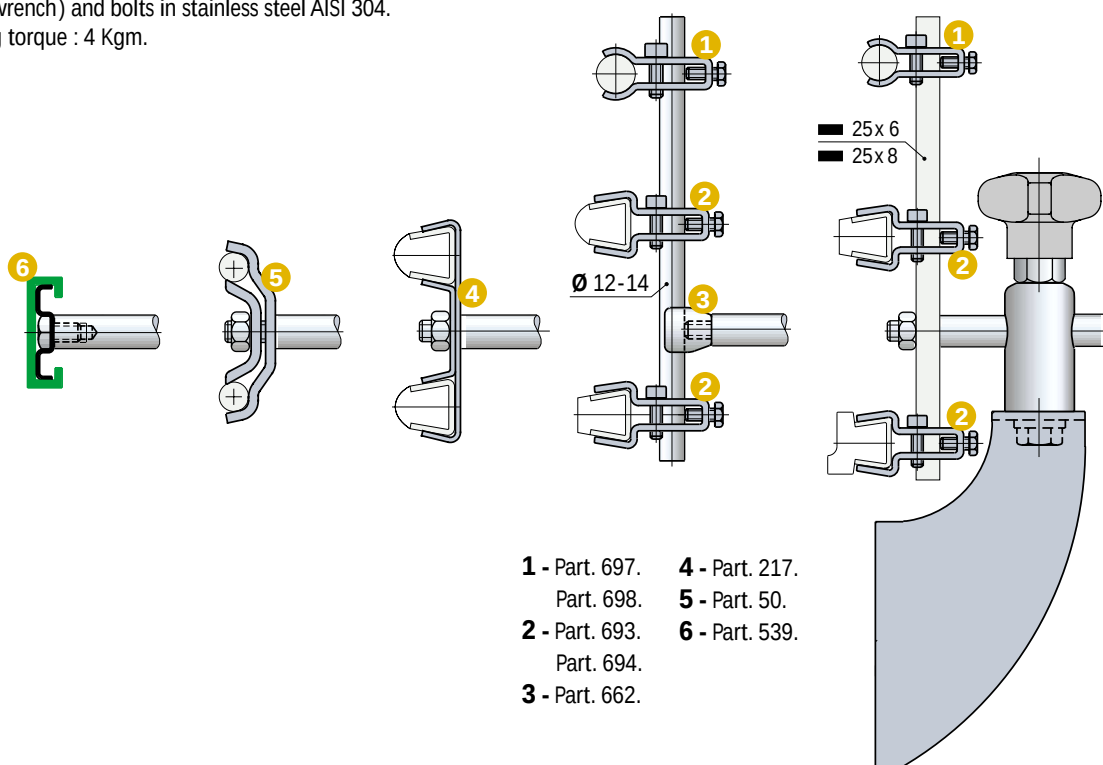
Adjustable brackets



Part.	Pin dia. d mm	A mm	H mm	Without positioner Code	With positioner Code	B mm	Weight kg
		70	22,5	684302	—	89	0,60
		87,5	40	684312	685072	106,5	0,70
679	14 ÷ 16 *	107,5	60	684322	685082	126,5	0,81
		137,5	90	684332	685092	156,5	0,97
		177,5	130	684342	685102	196,5	1,20

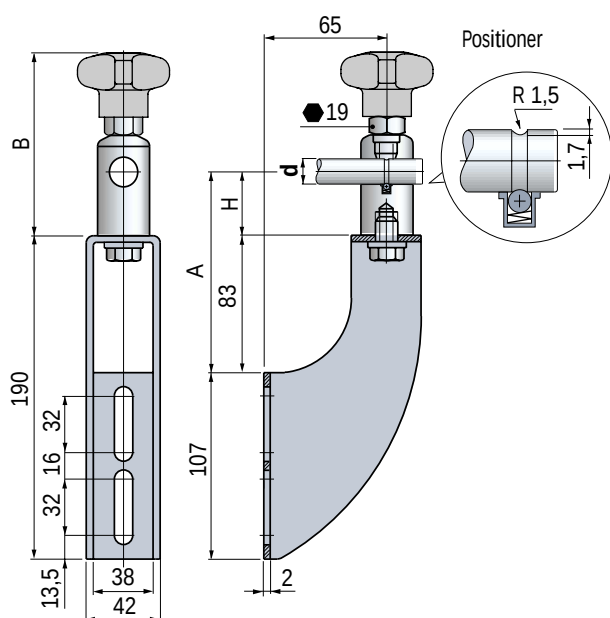
* = Version with positioner can be used only with dia. 16 mm pins.

- Material : bracket in stainless steel AISI 304. Swivel head in stainless steel AISI 303. Knob in reinforced polypropylene PP FV (grey).
- Hexagonal insert (for 19 mm wrench) and bolts in stainless steel AISI 304.
- Max recommended tightening torque : 4 Kgm.
- Packaging : 6 pieces.



- 1 - Part. 697.
- 2 - Part. 693.
- 3 - Part. 662.
- 4 - Part. 217.
- 5 - Part. 50.
- 6 - Part. 539.

Adjustable brackets



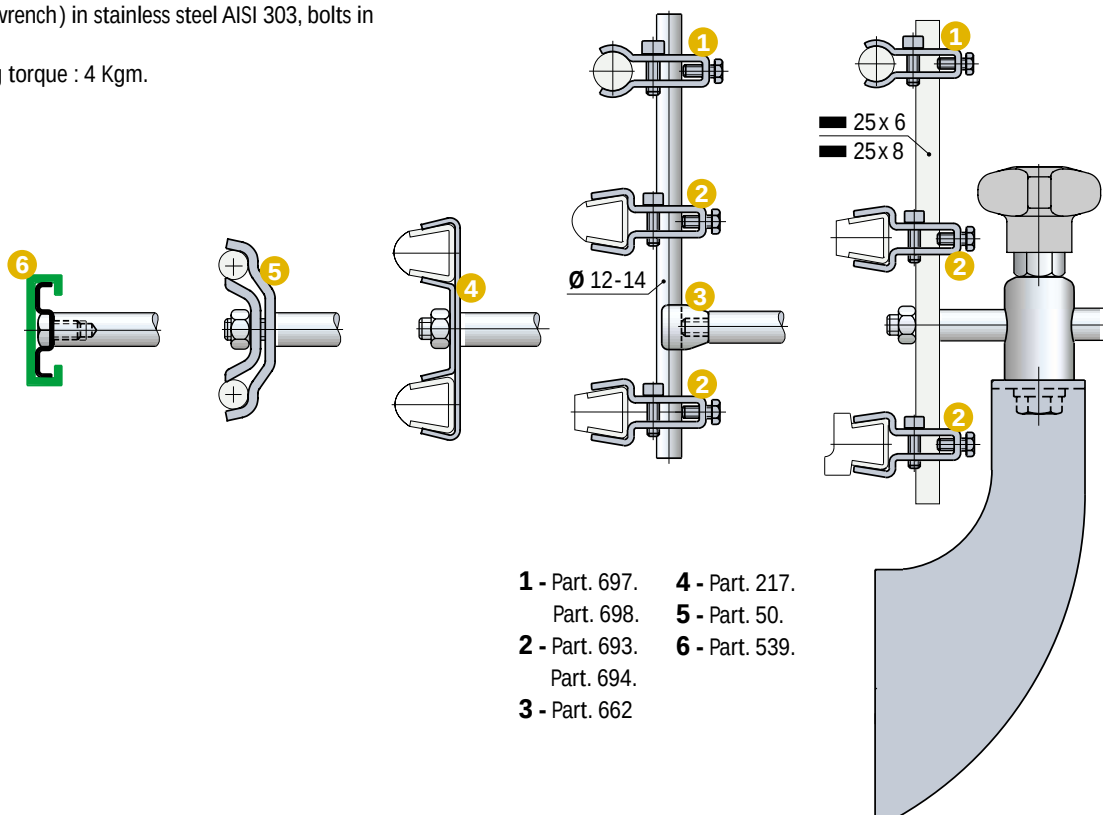
Part.	Pin dia. d mm	A mm	H mm	Without positioner Codice	With positioner Codice	B mm	Weight kg
681	14 ÷ 16 *	105,5	22,5	684402	—	89	0,64
		123	40	685112	684362	106,5	0,74
		143	60	685122	684372	126,5	0,85
		173	90	685132	684382	156,5	1,01
		213	130	685142	684392	196,5	1,24

* = Version with positioner can be used only with dia. 16 mm pins.

- Material : bracket in stainless steel AISI 304. Swivel head in stainless steel AISI 303. Knob in reinforced polypropylene PP FV (grey). Hexagonal insert (for 19 mm wrench) in stainless steel AISI 303, bolts in stainless steel AISI 304.

- Max recommended tightening torque : 4 Kgm.

- Packaging : 6 pieces.

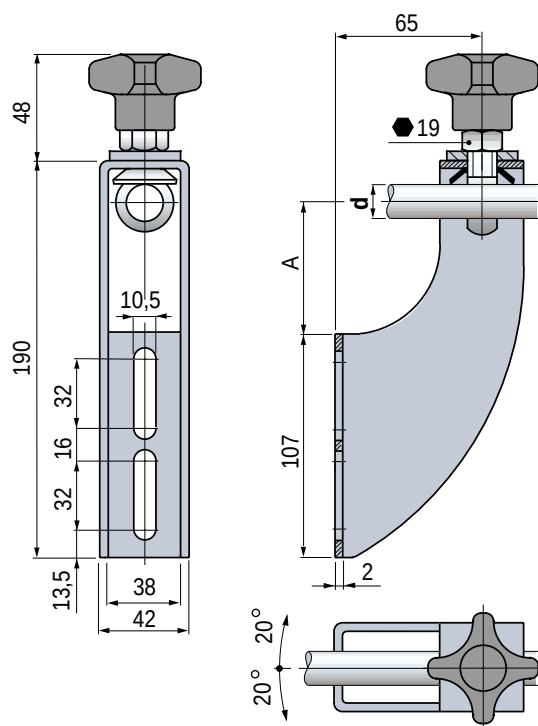


- 1 - Part. 697.
- 2 - Part. 693.
- 3 - Part. 662
- 4 - Part. 217.
- 5 - Part. 50.
- 6 - Part. 539.

Part. 682

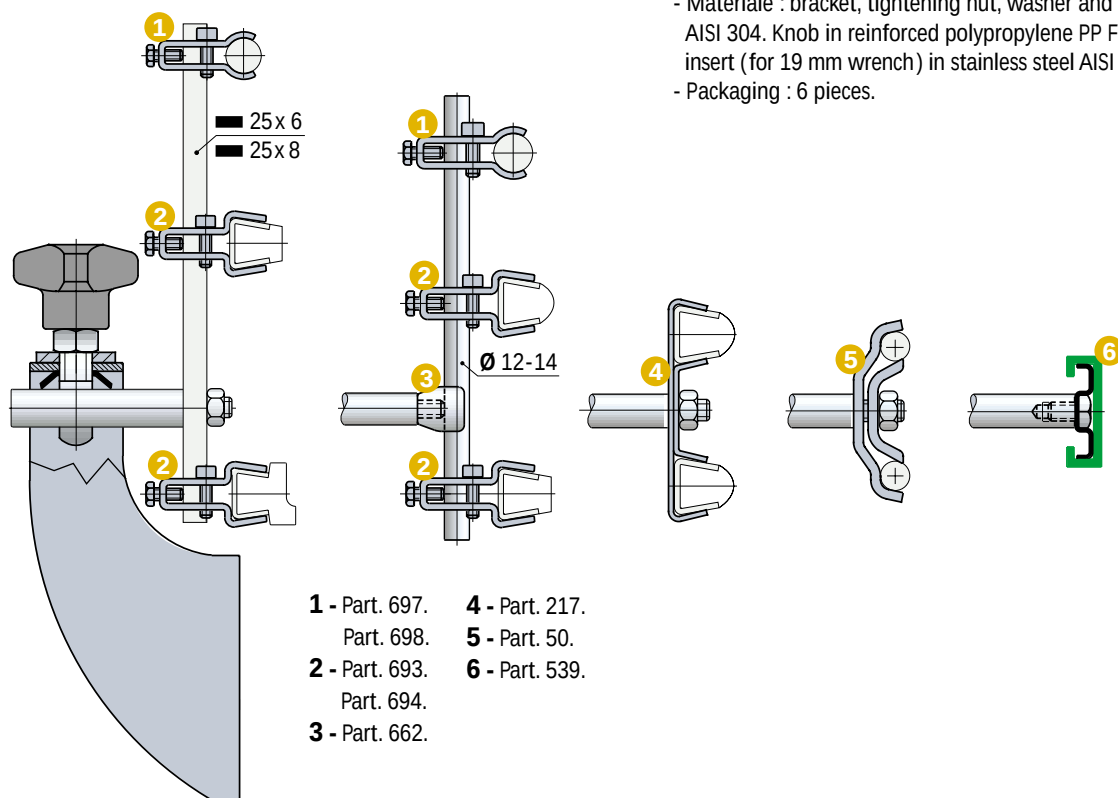


■ Adjustable brackets



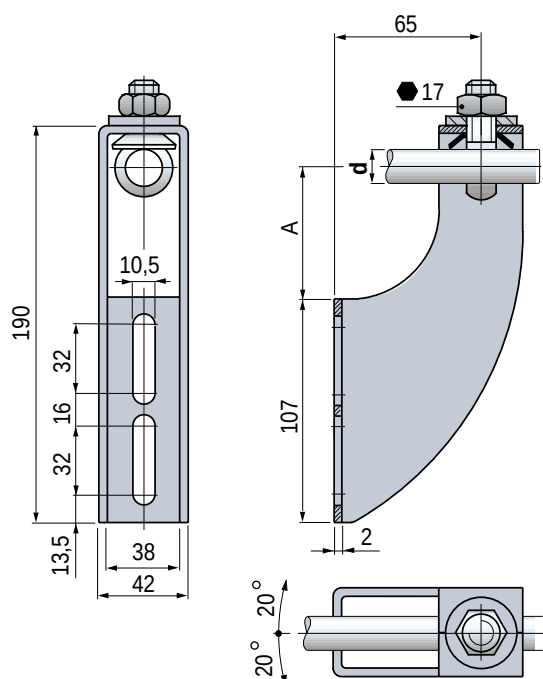
Part.	Pin dia. d mm	A mm	Code	Weight kg
682	12	68	684412	0,46
	14	67	684422	
	16	66	684432	

- Materiale : bracket, tightening nut, washer and eyebolt in stainless steel AISI 304. Knob in reinforced polypropylene PP FV (grey). Hexagonal insert (for 19 mm wrench) in stainless steel AISI 303.
- Packaging : 6 pieces.



- 1 - Part. 697.
- 2 - Part. 693.
- 3 - Part. 662.
- 4 - Part. 217.
- 5 - Part. 50.
- 6 - Part. 539.

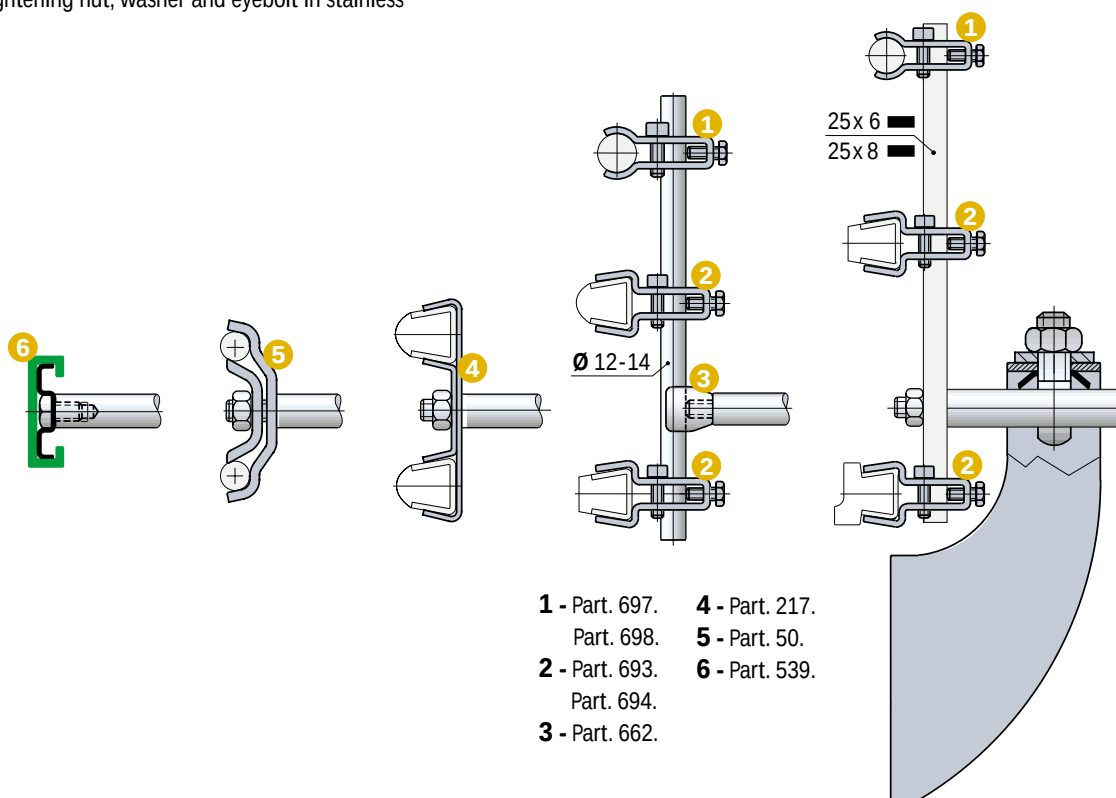
Adjustable brackets



Part.	Pin dia. d mm	A mm	Code	Weight kg
677	12	68	684262	0,42
	14	67	684272	
	16	66	684282	

- Material : bracket, tightening nut, washer and eyebolt in stainless steel AISI 304.

- Packaging : 6 pieces.



Part. 192



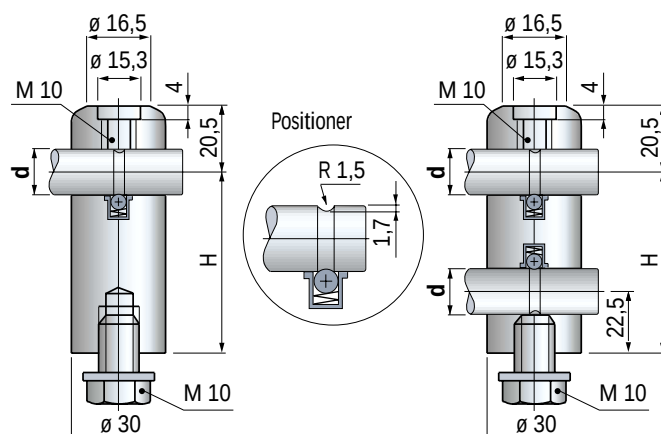
Part. 185



Part. 192 - Swivel heads

With single bore

With double bore



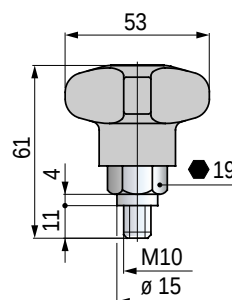
Part.	Version	Pin dia. d mm	H mm	Code		Weight kg
				Without positioner	With positioner	
192	With single bore	14 ÷ 16 *	22,5	685842	–	0,19
			40	674012	673962	0,29
			60	674022	673972	0,40
			90	674032	673982	0,56
			130	674042	673992	0,79
	With double bore	14 ÷ 16 *	90	674052	674002	0,52

* = Version with positioner can be used only with dia. 16 mm pins.

- Material : swivel head in stainless steel AISI 303. Tightening bolt in stainless steel AISI 304.

- Packaging : 10 pieces.

Part. 185 - Tightening knobs

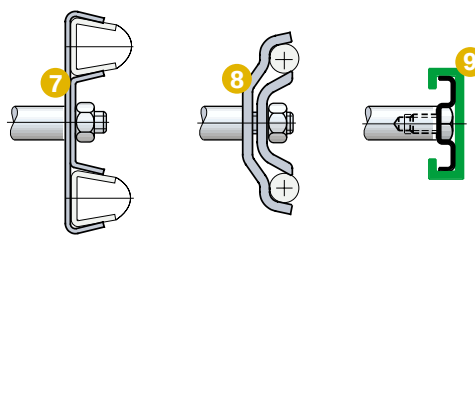


Part.	Code	Weight kg
185	683902	0,09

- Material : knob in reinforced polypropylene PP FV (grey). Hexagonal insert in stainless steel AISI 303.

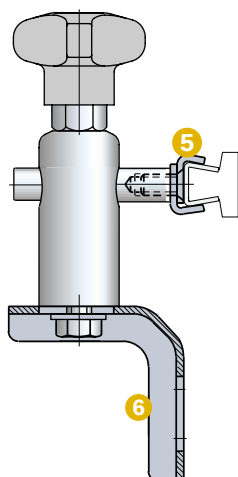
- Max recommended tightening torque : 2,5 Kgm (manual tightening), 4 Kgm (tightening with wrench).

- Packaging : 50 pieces.

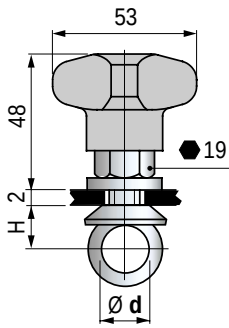


- 1 - Part. 678.
- 2 - Part. 697.
- 3 - Part. 693.
- 4 - Part. 662.
- 5 - Part. 903.
- 6 - Part. 704.
- 7 - Part. 217.
- 8 - Part. 50.
- 9 - Part. 539.

A = 47,5 mm (for Part. 678).
A = 83 mm (for Part. 680).



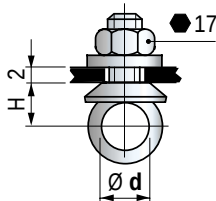
■ Part. 683 - Eyebolt (with knob)



Part.	Pin dia. d mm	Code	H mm	Weight kg
683	12	684442	13	0,10
	14	684452	14	
	16	684462	15	

- Material : eyebolt and washer in stainless steel AISI 304.
Knob in reinforced polypropylene PP FV (grey). Hexagonal insert (for 19 mm wrench) in stainless steel AISI 303.
- Packaging : 6 pieces.

■ Part.684 - Eyebolt (with nut)



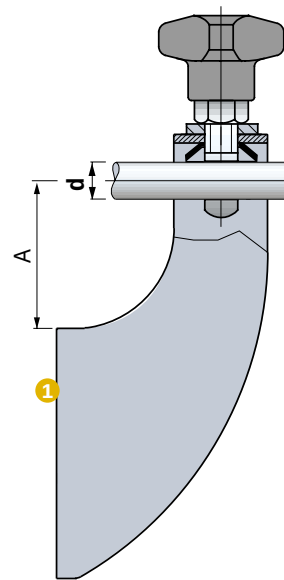
Part.	Pin dia. d mm	Code	H mm	Weight kg
684	12	684472	13	0,06
	14	684482	14	
	16	684492	15	

- Material : eyebolt, tightening nut and washer in stainless steel AISI 304.
- Packaging : 6 pieces.

Part. 684

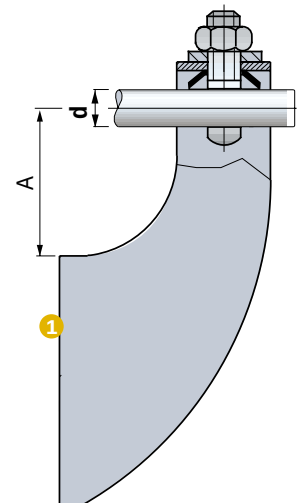


- Use
Applicable to brackets Part. 680.



Pin dia. d mm	A mm
12	68
14	67
16	66

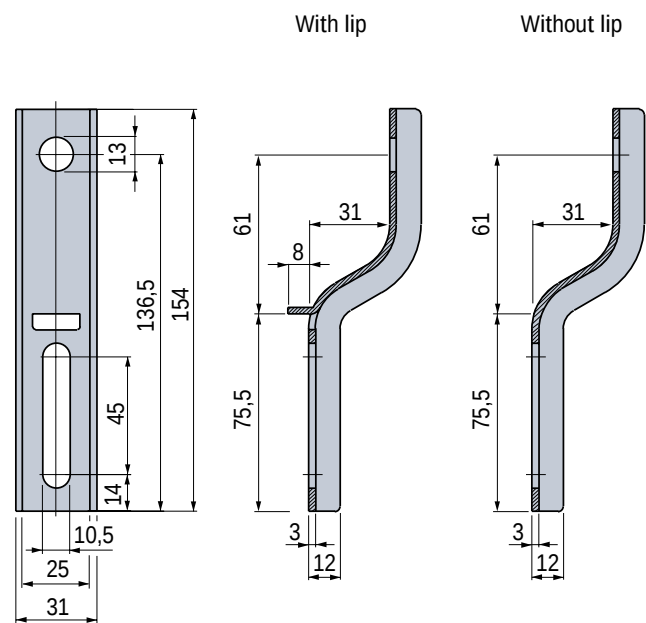
1 - Part. 680.



Part. 705

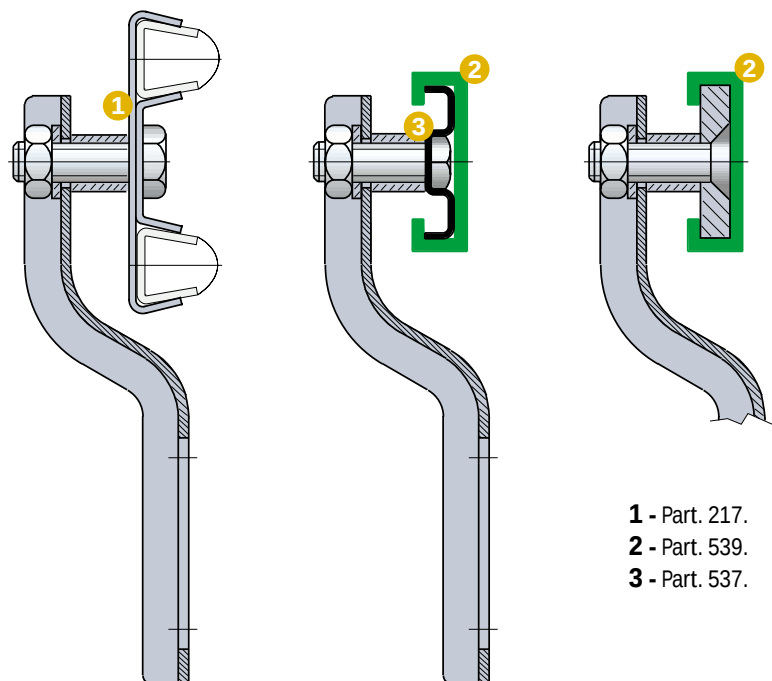


■ Brackets



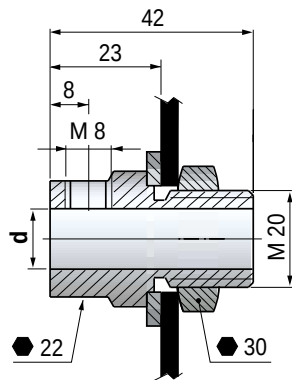
Part.	Version	Code	Weight kg
705	With lip	684902	0,17
	Without lip	684912	

- Material : stainless steel AISI 304.
- Packaging : 16 pieces.



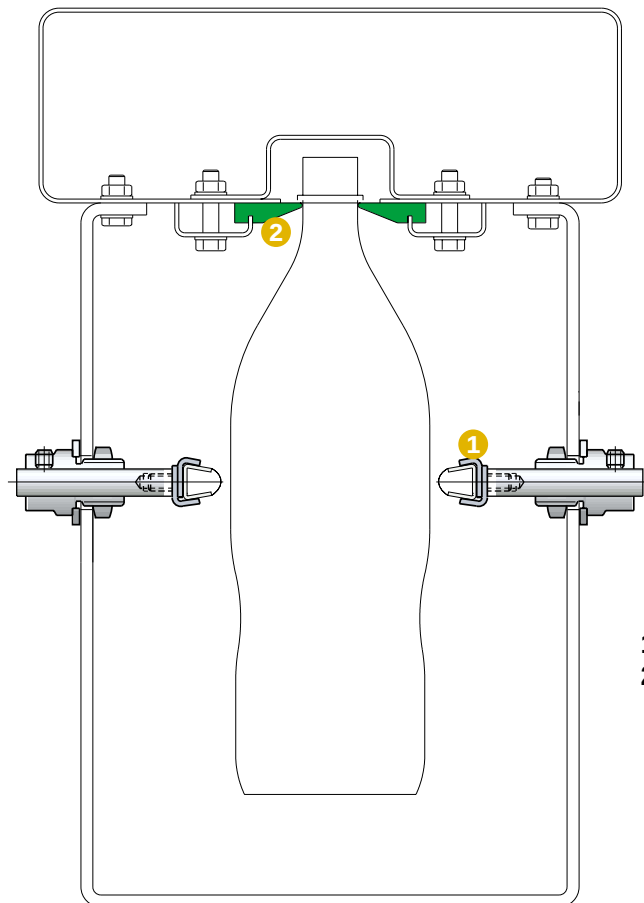
- 1 - Part. 217.
- 2 - Part. 539.
- 3 - Part. 537.

■ Locking clamp for round steel rod



Part.	Pin dia. d mm	Code	Weight kg
663	12	669572	0,13

- Material : clamp in stainless steel AISI 303, nut and washer in stainless steel AISI 304.
- Packaging : 50 pieces.

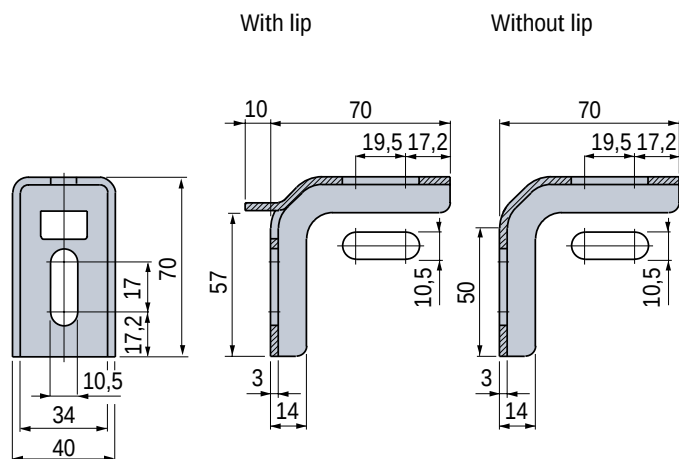


- 1 - Part. 903.
- 2 - Part. 654. Neck transport guide (Code: 654872).

Part. 704

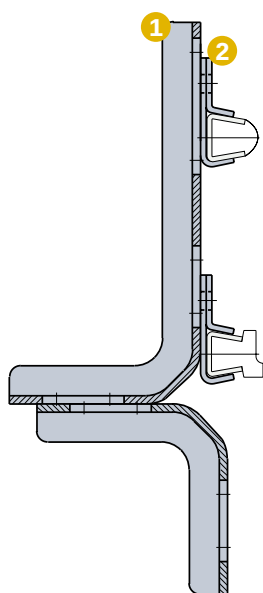
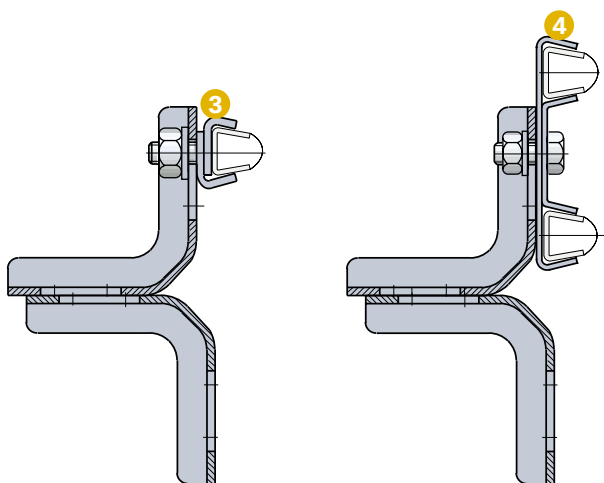


Brackets



Part.	Version	Code	Weight kg
704	With lip	684882	0,15
	Without lip	684892	

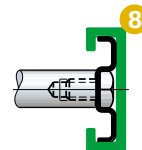
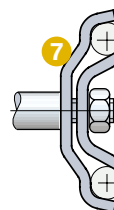
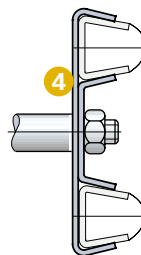
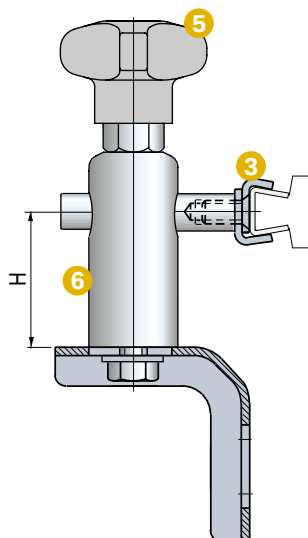
- Material : stainless steel AISI 304.
- Packaging : 16 pieces.



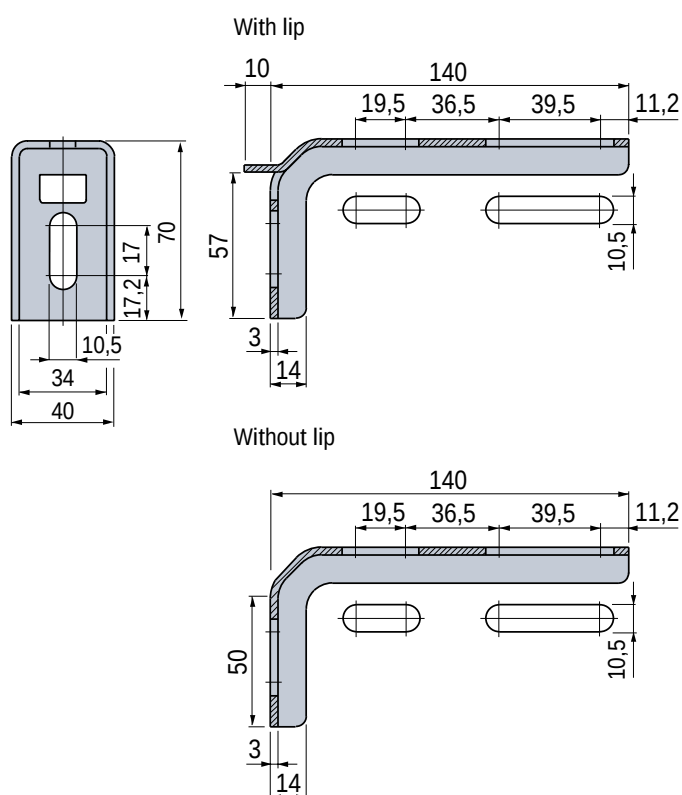
- 1 - Part. 699.
- 2 - Part. 215
- 3 - Part. 903.
- 4 - Part. 217.
- 5 - Part. 185.
- 6 - Part. 192.
- 7 - Part. 50.
- 8 - Part. 539.

H
mm

22,5
40
60
90
130



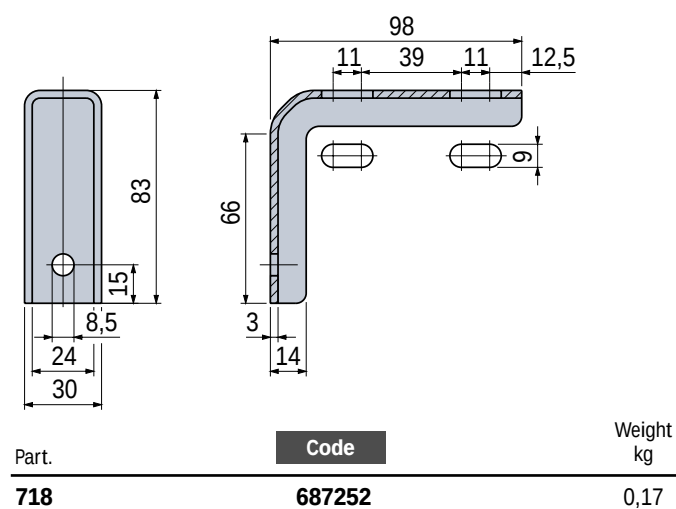
Part. 699 - Brackets



Part.	Version	Code	Weight kg
699	With lip	684862	0,23
	Without lip	684872	

- Material : stainless steel AISI 304.
- Packaging : 16 pieces.

Part. 718 - Brackets

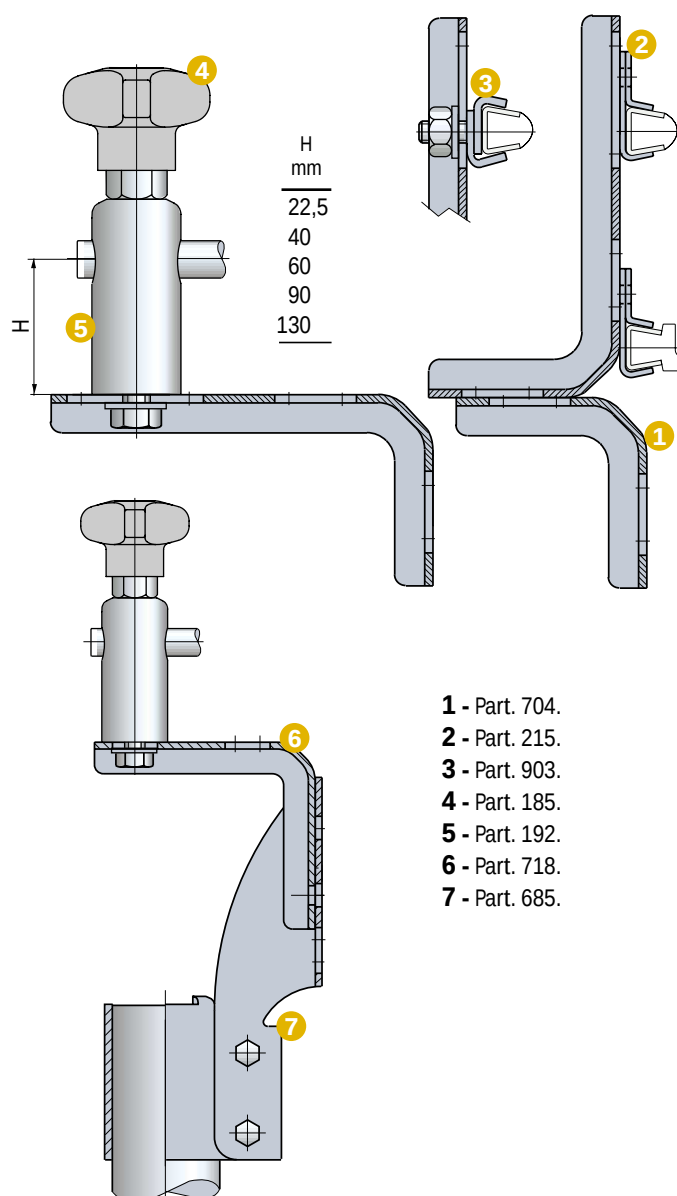


Part.	Code	Weight kg
718	687252	0,17

- Material : stainless steel AISI 304.
- Packaging : 16 pieces.



Part. 718



- 1 - Part. 704.
- 2 - Part. 215.
- 3 - Part. 903.
- 4 - Part. 185.
- 5 - Part. 192.
- 6 - Part. 718.
- 7 - Part. 685.

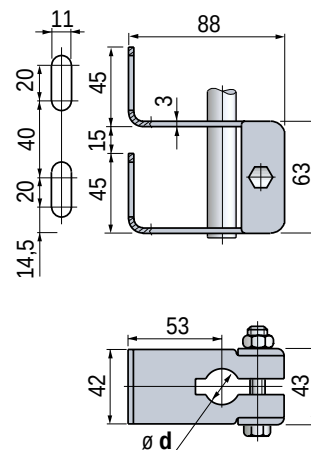
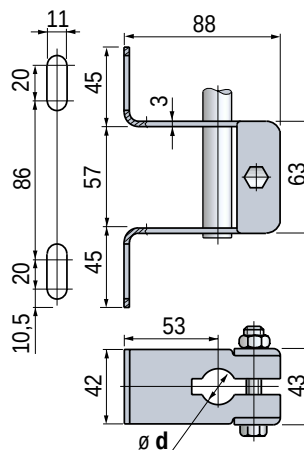
Part. 692

Part. 691

■ Part. 692 - Vertical rod brackets

Standard version

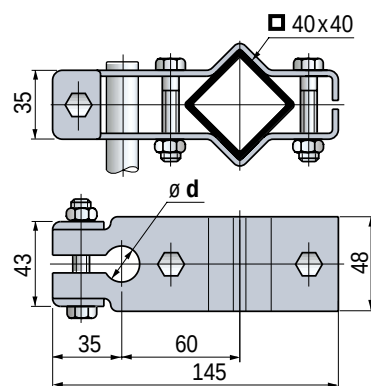
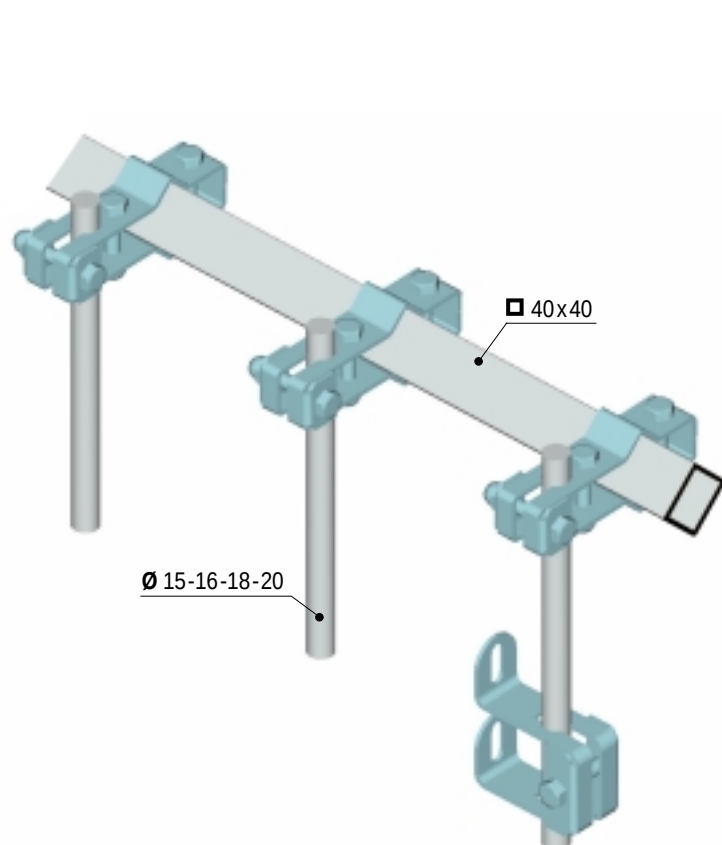
Compact version



Part.	Pin dia. d mm	Code		Weight kg
		Standard version	Compact version	
692	15	686272	684622	0,33
	16	686282	684632	
	18	686292	684642	
	20	686302	684652	

- Material : bracket and bolts in stainless steel AISI 304.
- Packaging : 8 pieces.

■ Part. 691 - Cross clamps



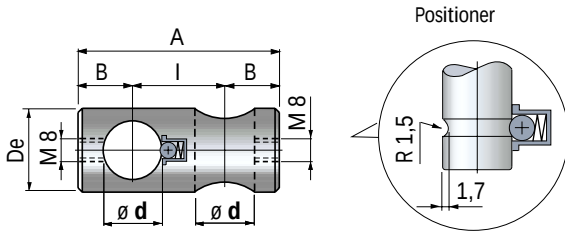
Part.	Square tube mm	Pin dia. d mm	Code	Weight kg
691	40x40	15	684582	0,52
		16	684592	
		18	684602	
		20	684612	

- Material : clamp and bolts in stainless steel AISI 304.
- Packaging : 8 pieces.

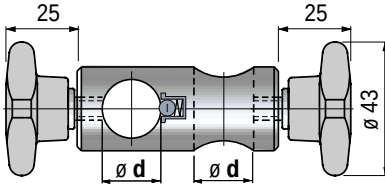
Part. 661

Part. 661 - Cross clamps

Version without knobs



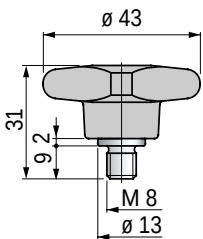
Version with knobs



Part.	Pin dia.	Code		I mm	A mm	B mm	ø De mm	Weight kg
	d mm	Without positioner	With positioner					
Version without knobs								
661	10	669112	—	14	36	11	18	0,05
	12	669122	669172	16	40	12	20	0,06
	12,7 (1/2")	686022	—	16	40	12	20	0,06
	14	669132	669182	18	44	13	20	0,06
	16	669142	—	20	48	14	24	0,10
	18	669152	—	22	52	15	26	0,11
	20	669162	—	24	56	16	28	0,13
Version with knobs								
661	10	675712	—	14	36	11	18	0,09
	12	675722	675772	16	40	12	20	0,10
	12,7 (1/2")	683802	—	16	40	12	20	0,10
	14	675732	675782	18	44	13	20	0,10
	16	675742	—	20	48	14	24	0,14
	18	675752	—	22	52	15	26	0,15
	20	675762	—	24	56	16	28	0,17

- Material : clamp in stainless steel AISI 303. Knob in reinforced polypropylene PP FV (grey). Threaded insert in stainless steel AISI 303.
- Max recommended tightening torque : 1 Kgm.
- Packaging : 24 pieces.

Part. 671 - Tightening knob (for Part. 661)

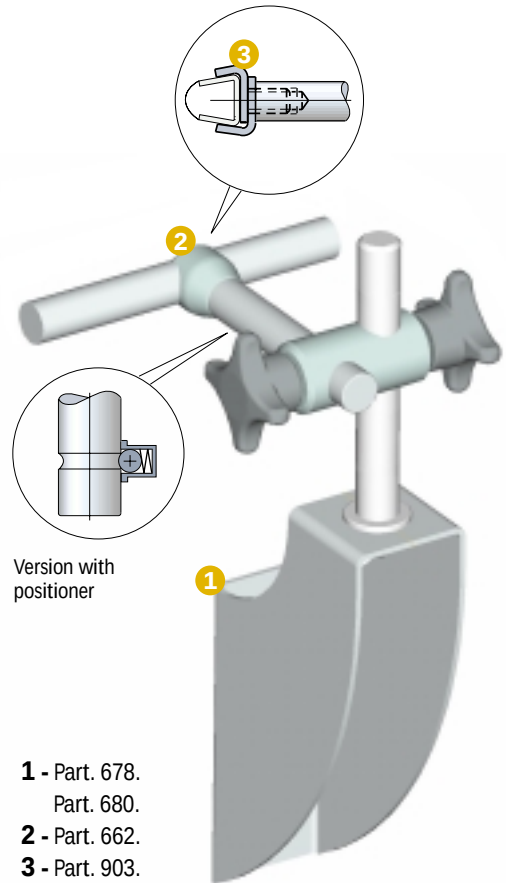


Part.	Code	Weight
671	676392	0,02

- Material : Knob in reinforced polypropylene PP FV (grey). Threaded insert in stainless steel AISI 303.
- Max recommended tightening torque : 1 Kgm.
- Packaging : 50 pieces.



Part. 671

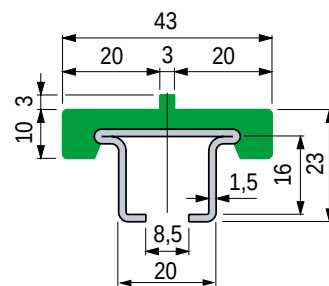


- 1** - Part. 678.
- Part. 680.
- 2** - Part. 662.
- 3** - Part. 903.

Part. 366



■ Chain guide profiles

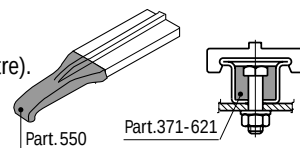


Part.	Length metres	Code	Weight kg/m
366	3	64056 M	1,10
	6	69585 M	

- Material : plastic profile in polyethylene UHMWPE (green) with molecular density 5.600.000. Metal profile in stainless steel AISI 304.
- Standard packaging : the plastic and metal profiles are supplied assembled.
- Plastic profile spare part code : **644071** (6 metres).
- Packaging : 36 metres.

• Accessories

- Part. 550 - Chain inlet guide shoe (centre).
- Part. 371 - Mounting block.
- Part. 621 - Connecting block.



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

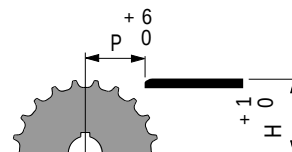
Calculation of thermal expansion see technical information.

• Operating temperature:

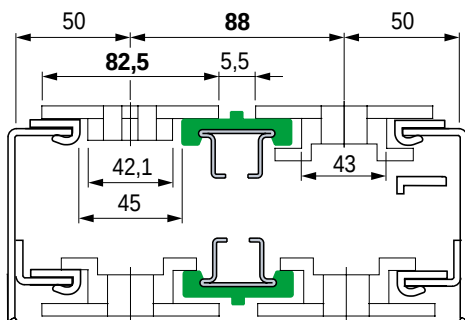
- In air (- 40 to + 80 °C).
- In hot water (+ 70 °C).

• Position of guides

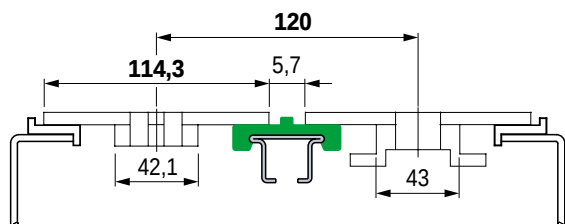
See technical information.



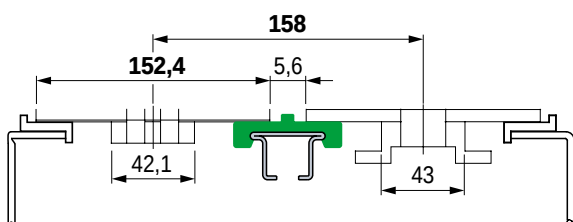
• Chain width 82,5 mm (K 325) / Pitch 88 mm



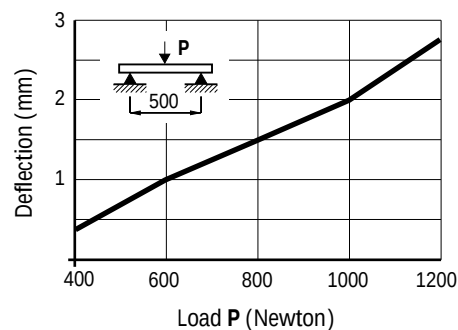
• Chain width 114,3 mm (K 450) / Pitch 120 mm



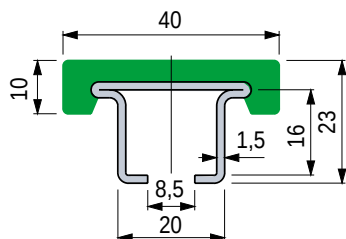
• Chain width 152,4 mm (K 600) / Pitch 158 mm



• Deflection



Chain guide profiles

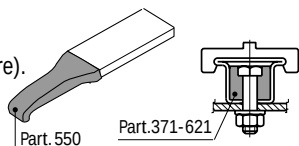


Part.	Length metres	Code	Weight kg/m
367	3	64046 M	1,10
	6	69615 M	

- Material : plastic profile in polyethylene UHMWPE with molecular density 5.600.000. Metal profile in stainless steel AISI 304.
- Standard packaging : the plastic and metal profiles are supplied assembled.
- Plastic profile spare part code : **68309** (6 metres).
- Packaging : 36 metres.

Accessories

- Part. 550 - Chain inlet guide shoe (centre).
- Part. 371 - Mounting block.
- Part. 621 - Connecting block.



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

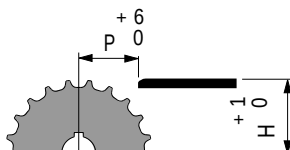
Calculation of thermal expansion see technical information.

Operating temperature:

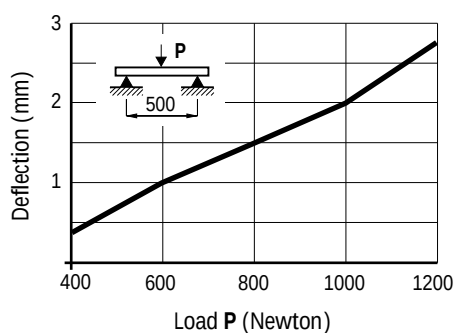
- In air (- 40 to + 80 °C).
- In hot water (+ 70 °C).

Position of guides

See technical information.

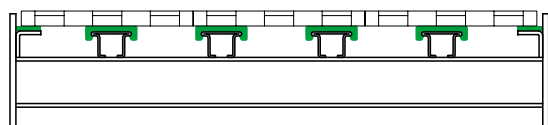


Deflection

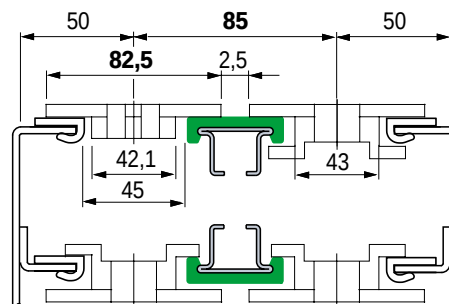


MatTop® modular chains

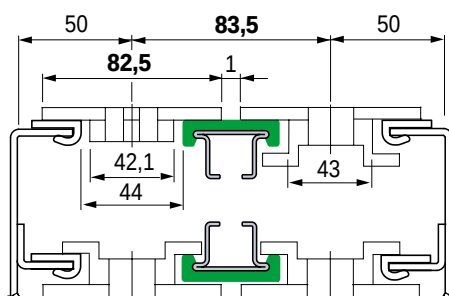
Parallel wear strips. Recommended with medium-light loads.



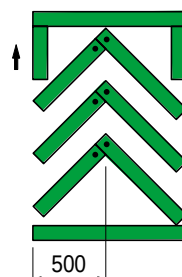
Chain width 82,5 mm (K 325) / Pitch 85 mm



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



MatTop® modular chains

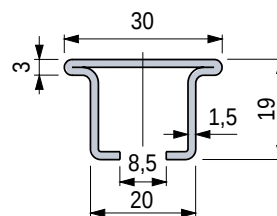


CHEVRON pattern.
Recommended with high loads
(accumulation tables).
Chain wear is evenly distributed
throughout the width.

Part. 368



■ Chain guide profiles

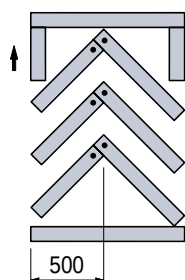
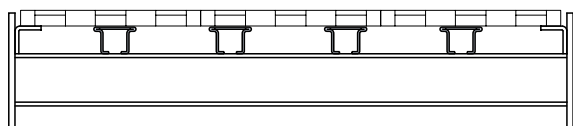


Part.	Length metres	Code	Weight kg/m
368	3	64066	0,90
	6	69645	

- Material : stainless steel AISI 304.
- Use : recommended with chains in abrasive environment / high speed / high temperature.
- Packaging : 36 metres.

• MatTop® modular chains

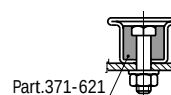
Parallel wear strips. Recommended with medium-light loads.



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

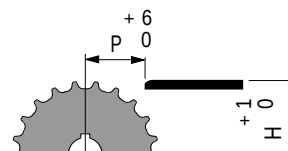
• Accessories

- Part. 371- Mounting block.
- Part. 621- Connecting block.

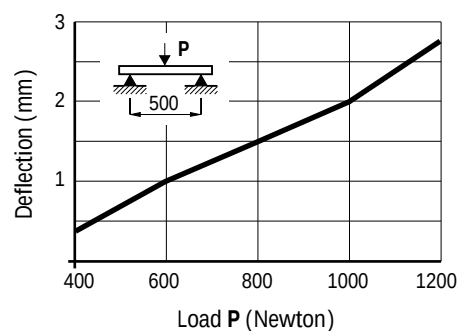


• Position of guides

See technical information.

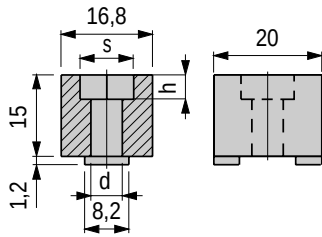


• Deflection





■ Part. 371 - Mounting block



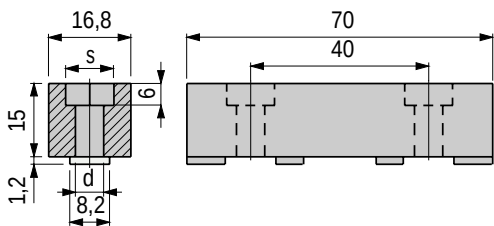
Part.	Fixing screw d	Code	h mm	Hexagon s mm
371	M 6	64026 *	4,5	10,2
	M 8	61056	6	13,2

* = Supplied upon request.
- Material : reinforced polyamide PA FV (black).
- Packaging : 100 pieces.

Part. 621



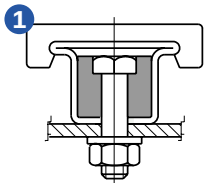
■ Part. 621 - Connecting block



Part.	Fixing screw d	Code	Hexagon s mm
621	M 8 (5/16")	635542	13,2

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

- Use
Easy assembly of wear strips on frame.



1 - Part. 366 - 367 - 368.

Part. 550

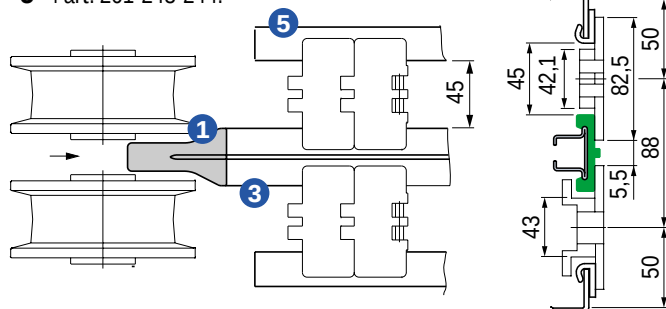


• Chain width 82,5 mm (K 325) / Pitch 88 mm

1 - Part. 550 (Code : 689481).

3 - Part. 366.

5 - Part. 261-243-244.

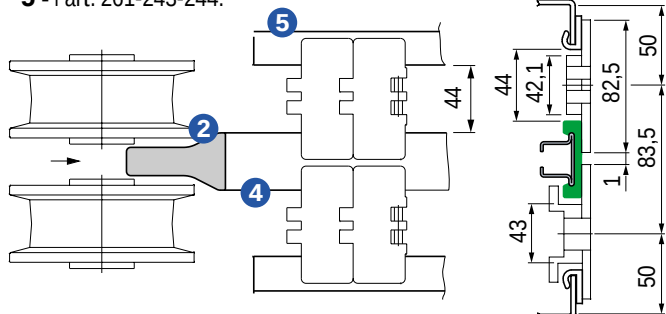


• Chain width 82,5 mm (K 325) / Pitch 83,5 mm

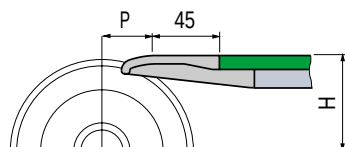
2 - Part. 550 (Code : 689491).

4 - Part. 367.

5 - Part. 261-243-244.



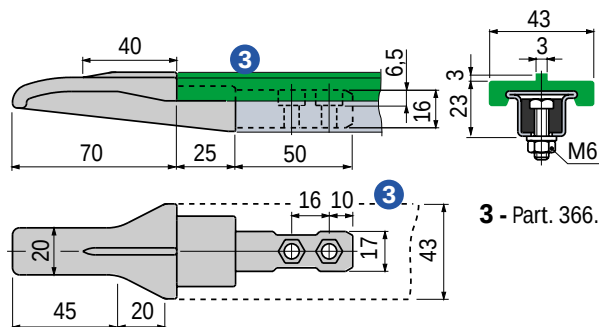
• Positioning



P = Chain pitch.
H = See technical information.

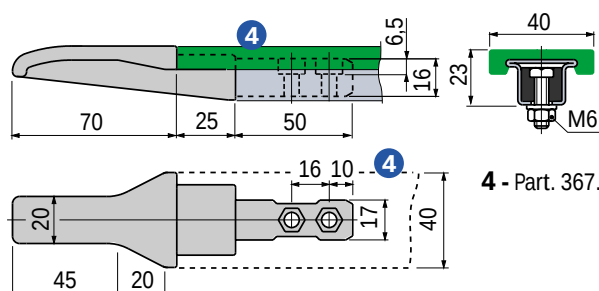
■ Chain inlet guide shoe (centre)

Version for Part. 366



3 - Part. 366.

Version for Part. 367



4 - Part. 367.

Part.	Version	Material	Code	Weight kg
550	For Part. 366	Polyethylene UHMWPE (white)*	689172	0,042
		Polyamide PA (black)	689481	
	For Part. 367	Polyethylene UHMWPE (white)*	689182	
		Polyamide PA (black)	689491	

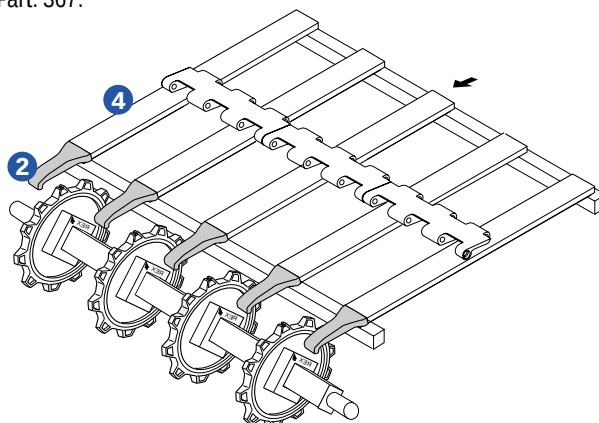
* = Better resistance against chemical agents.

- Packaging : 50 pieces.

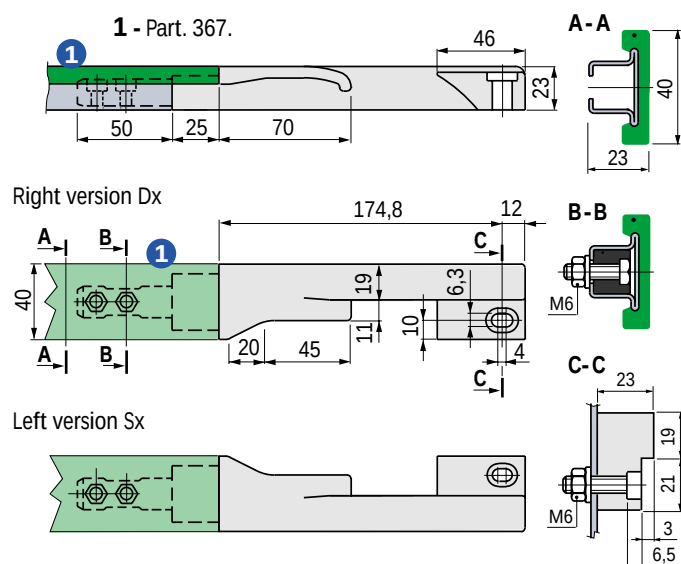
• MatTop® modular chains

2 - Part. 550 (Code : 689491).

4 - Part. 367.



Side transfer guide shoe

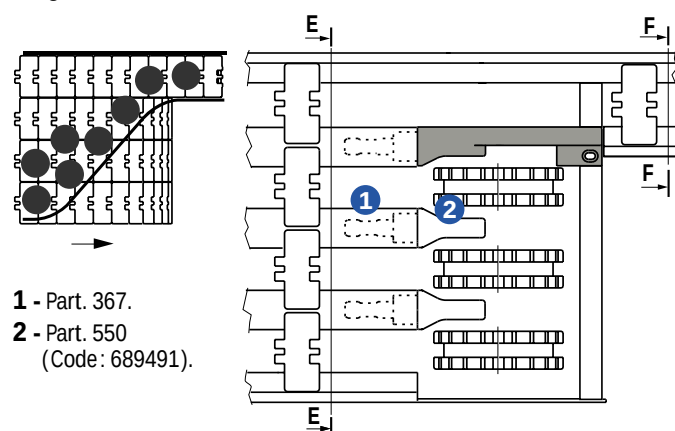


Part.	Material	Code	Code	Weight kg
		Right version Dx	Left version Sx	
669	Polyethylene UHMWPE (white)*	686422	686432	0,1
	Polyamide PA (black)	674212	674222	

* = Better resistance against chemical agents.

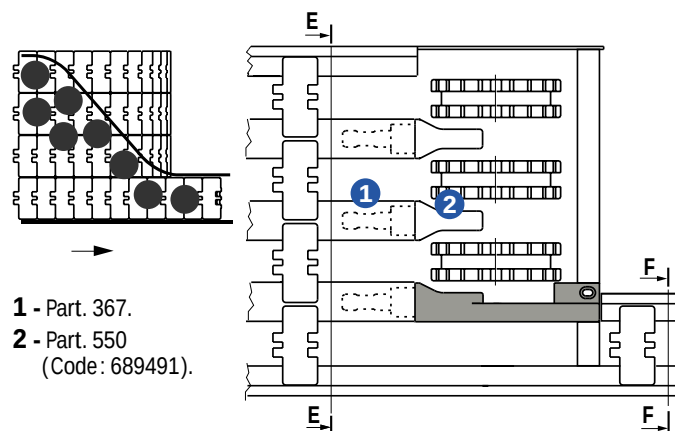
- Packaging : 10 pieces.

Right shoe Dx



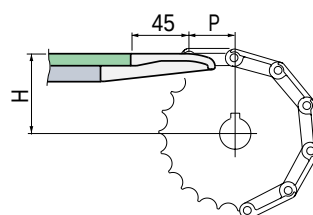
1 - Part. 367.
2 - Part. 550
(Code: 689491).

Left shoe Sx



1 - Part. 367.
2 - Part. 550
(Code: 689491).

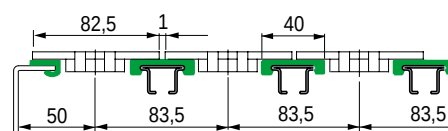
Positioning



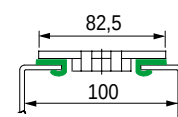
P = Chain pitch.
H = See technical
information.

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

Sec. E-E

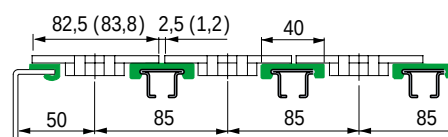


Sec. F-F

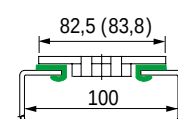


Chain width 82,5 mm (K 325) - 83,8 mm (K 330) / Pitch 85 mm

Sec. E-E

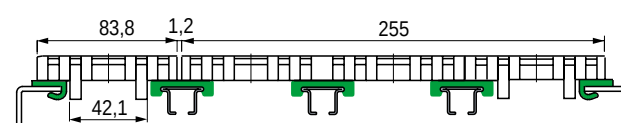


Sec. F-F



MatTop® modular chains metric Series 7705 M.

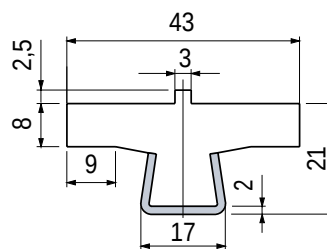
Sec. E-E



Part. 310



■ Chain guide profiles



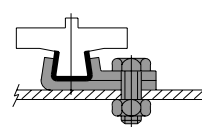
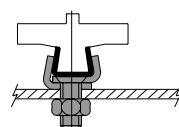
Part.	Length metres	Code	Weight kg/m
310	3	65612	0,95
	6	69412	

- Material : plastic profile in polyethylene UHMWPE (white) with molecular density 5.600.000. Metal profile in stainless steel AISI 304.
- Packaging : 24 metres.

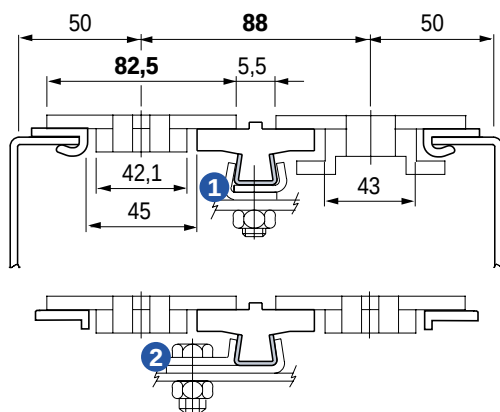
• Accessories

Part. 903. Guide rail clamp.
Part. 902. Connecting clamp.

Part. 215. Guide rail clamp.



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



1 - Part. 903.

2 - Part. 215 (This clamp can be used only with chains series 812 - 815 - 820 - 831).

• Linear expansion coefficient: 4×10^{-5}

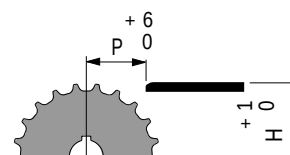
Calculation of thermal expansion see technical information.

• Operating temperature:

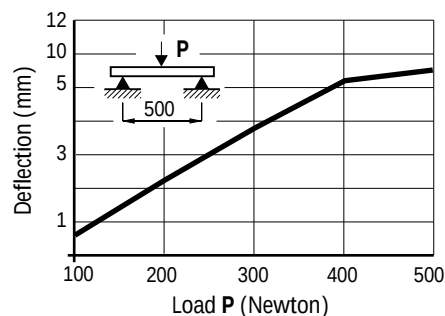
In air (- 40 to + 80 °C).
In hot water (+ 70 °C).

• Position of guides

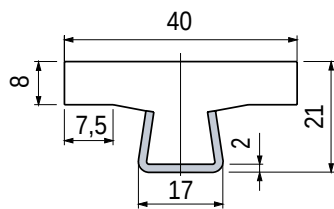
See technical information.



• Deflection



Chain guide profiles



Part.	Length metres	Code	Weight kg/m
356	3	61605	0,89
	6	61615	

- Material : plastic profile in polyethylene UHMWPE (white) with molecular density 5.600.000. Metal profile in stainless steel AISI 304.
 - Packaging : 24 metres.

Accessories

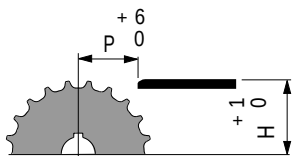
Part. 903. Guide rail clamp. Part. 215. Guide rail clamp.
 Part. 902. Connecting clamp.



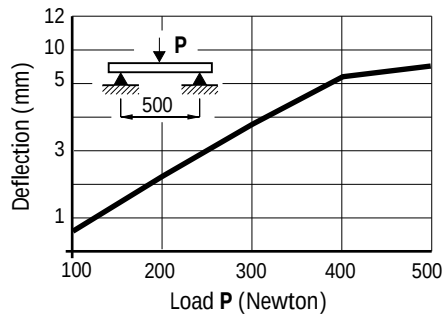
• **Linear expansion coefficient:** 4×10^{-5}
 Calculation of thermal expansion see technical information.

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

• **Position of guides**
 See technical information.

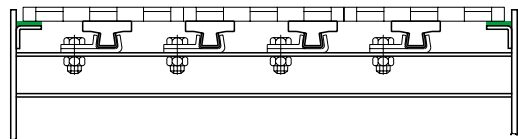


Deflection



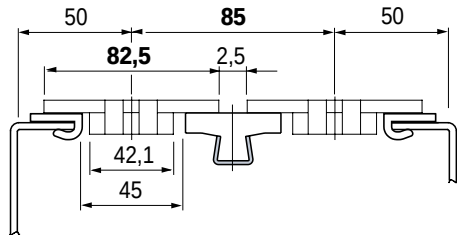
MatTop® modular chains

Parallel wear strips. Recommended with medium-light loads.



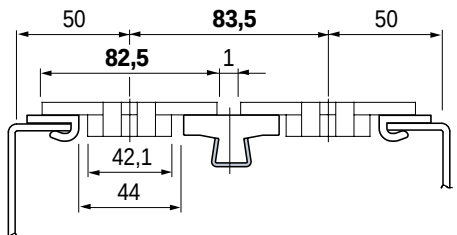
Chain width 82,5 mm (K 325) / Pitch 85 mm

Only with chains series 812 - 815 - 820 - 831.

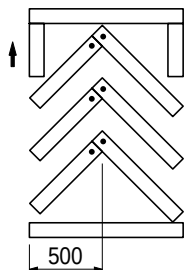


Chain width 82,5 mm (K 325) / Pitch 83,5 mm

Only with chains series 812 - 815 - 820 - 831.



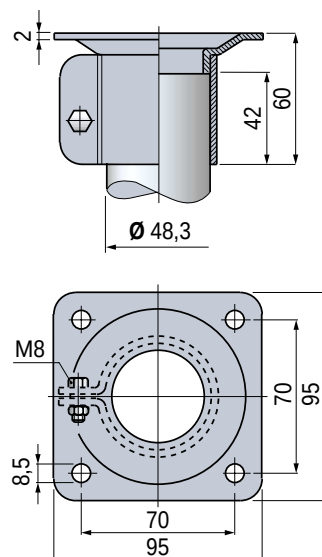
MatTop® modular chains



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

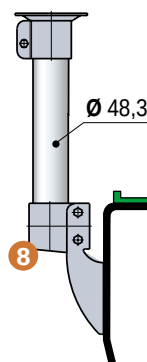
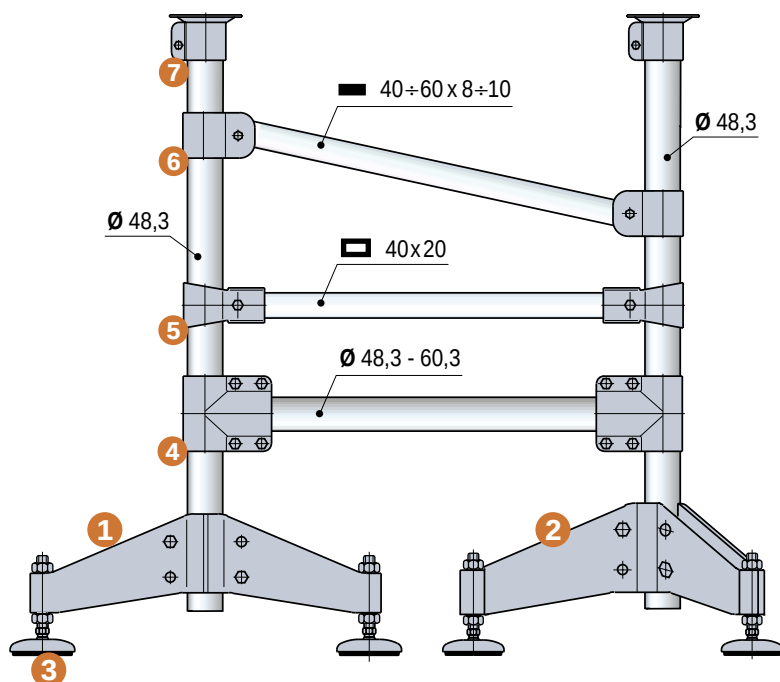
Part. 690

■ Bearing heads



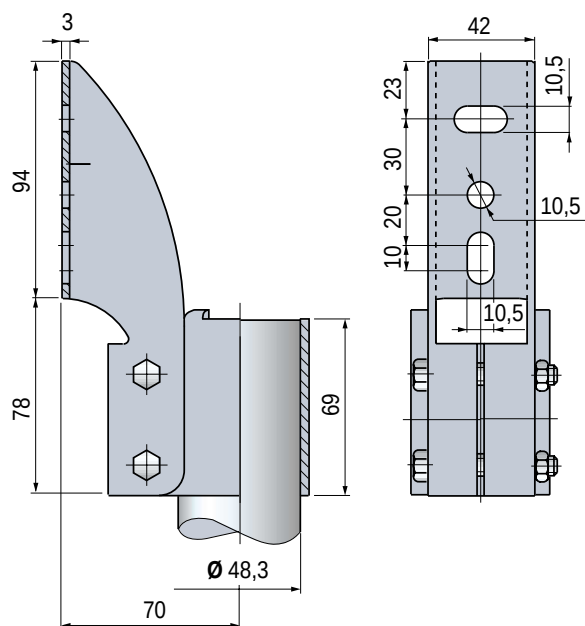
Part.	Tube dia. mm	Code	Weight kg
690	48,3 (1"1/2)	684572	0,33

- Material : bearing head and bolts in stainless steel AISI 304.
- Packaging : 4 pieces.



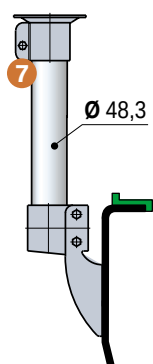
- 1 - Part. 706.
- 2 - Part. 707.
- 3 - Part. 627-549-546.
- 4 - Part. 686.
- 5 - Part. 688.
- 6 - Part. 689.
- 7 - Part. 690.
- 8 - Part. 685.

Side mounting top brackets

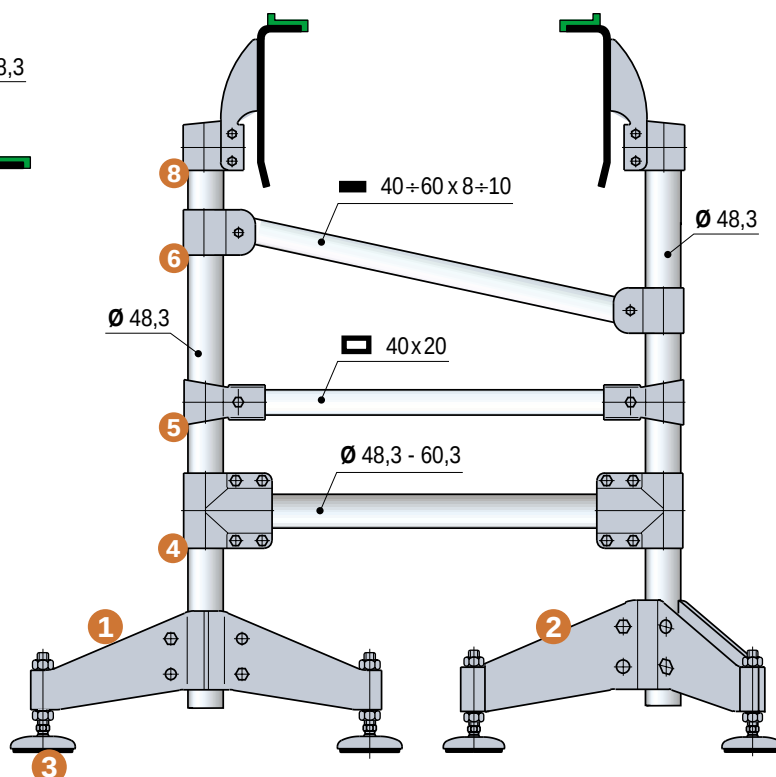


Part.	Tube dia. mm	Code	Weight kg
685	48,3 (1" 1/2)	684502	0,70

- Material : top bracket and bolts in stainless steel AISI 304.
- Packaging : 4 pieces.



- 1 - Part. 706.
- 2 - Part. 707.
- 3 - Part. 627-549-546.
- 4 - Part. 686.
- 5 - Part. 688.
- 6 - Part. 689.
- 7 - Part. 690.
- 8 - Part. 685.

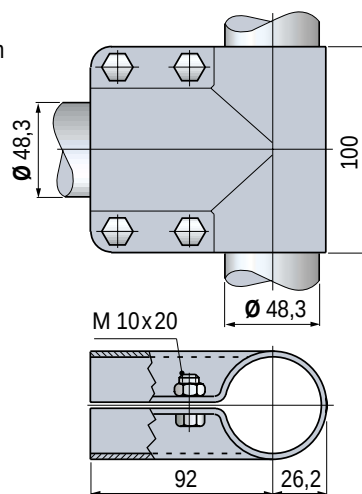


Part. 686 - 687



■ Part. 686 - Connecting joints

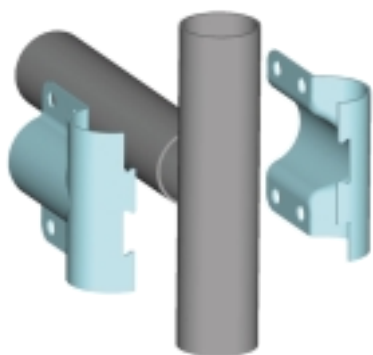
For tubes
Ø 48,3 mm
(1"1/2)



Part.	Tube dia. mm	State of supply	Code	Weight kg
686	48,3 (1"1/2)	With bolts	684512	0,64
		Without bolts	684522	

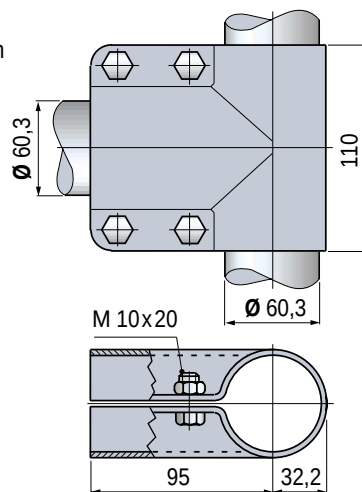
- Material : joint and bolts in stainless steel AISI 304.

- Packaging : 4 pieces.



■ Part. 687 - Connecting joints

For tubes
Ø 60,3 mm
(2")

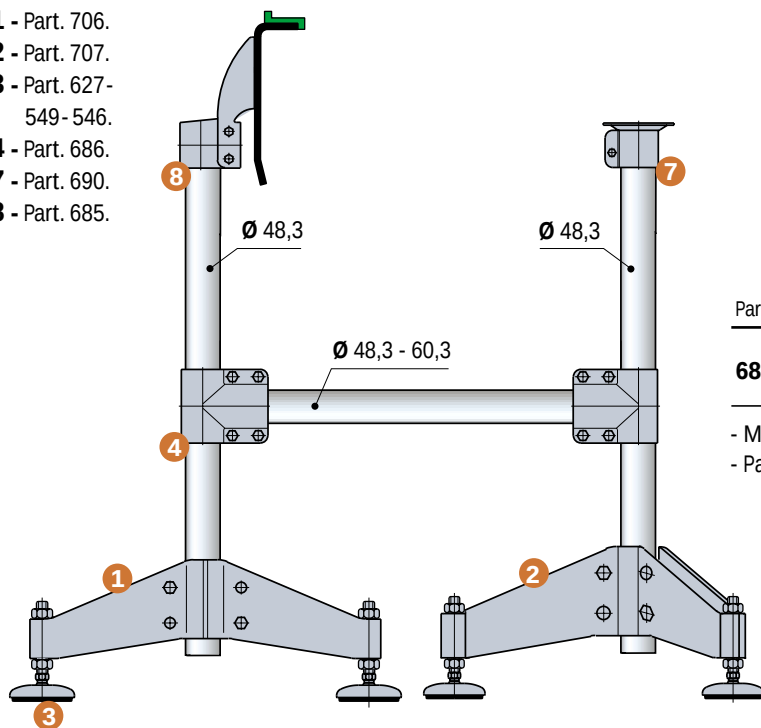


Part.	Tube dia. mm	State of supply	Code	Weight kg
687	60,3 (2")	With bolts	684532	0,70
		Without bolts	684542	

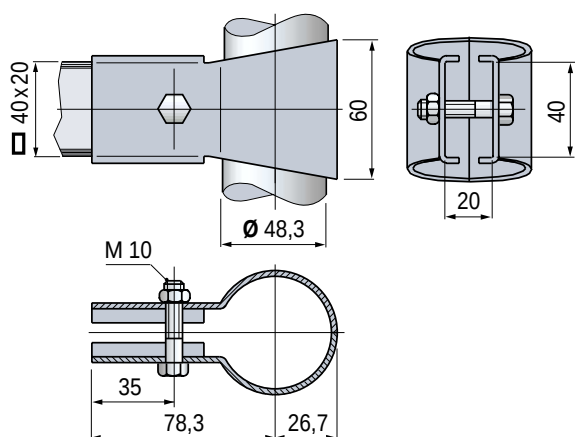
- Material : joint and bolts in stainless steel AISI 304.

- Packaging : 4 pieces.

- 1 - Part. 706.
- 2 - Part. 707.
- 3 - Part. 627-549-546.
- 4 - Part. 686.
- 7 - Part. 690.
- 8 - Part. 685.



Part. 688 - Connecting joints

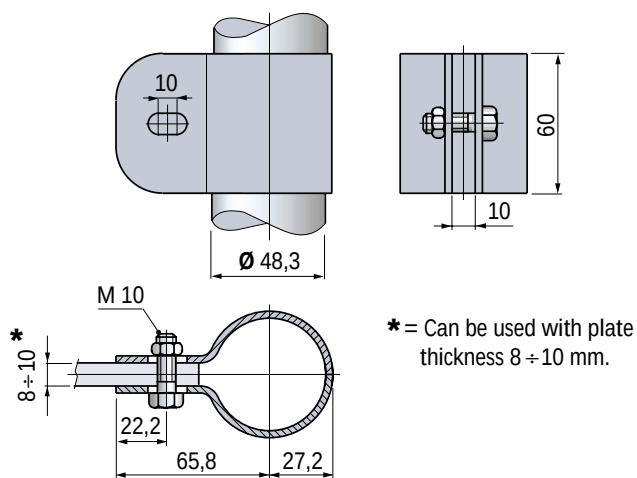


Part.	Tube dia. mm	Rectangular tube mm	Code	Weight kg
688	48,3 (1" 1/2)	40x20	684552	0,35

- Material : joint and bolts in stainless steel AISI 304.
- Packaging : 4 pieces.

Part. 689

Part. 689 - Connecting joints

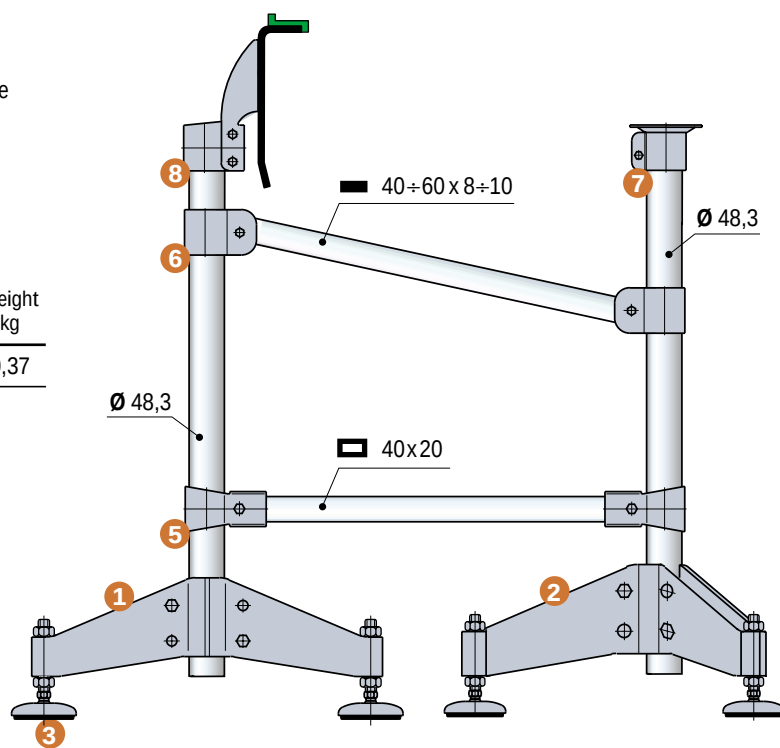
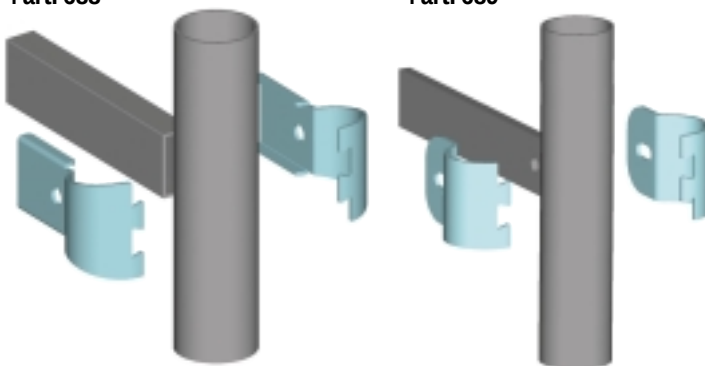


Part.	Tube dia. mm	Code	Weight kg
689	48,3 (1" 1/2)	684562	0,37

- Material : joint and bolts in stainless steel AISI 304.
- Packaging : 8 pieces.

Part. 688

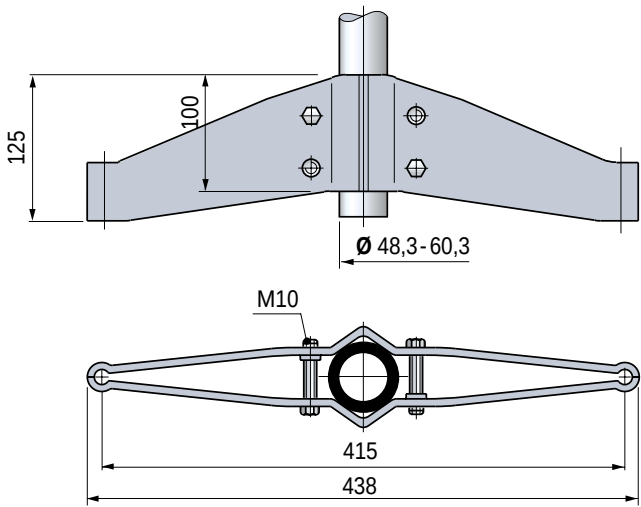
Part. 689



- 1 - Part. 706.
- 2 - Part. 707.
- 3 - Part. 627-549-546.
- 5 - Part. 688.
- 6 - Part. 689.
- 7 - Part. 690.
- 8 - Part. 685.

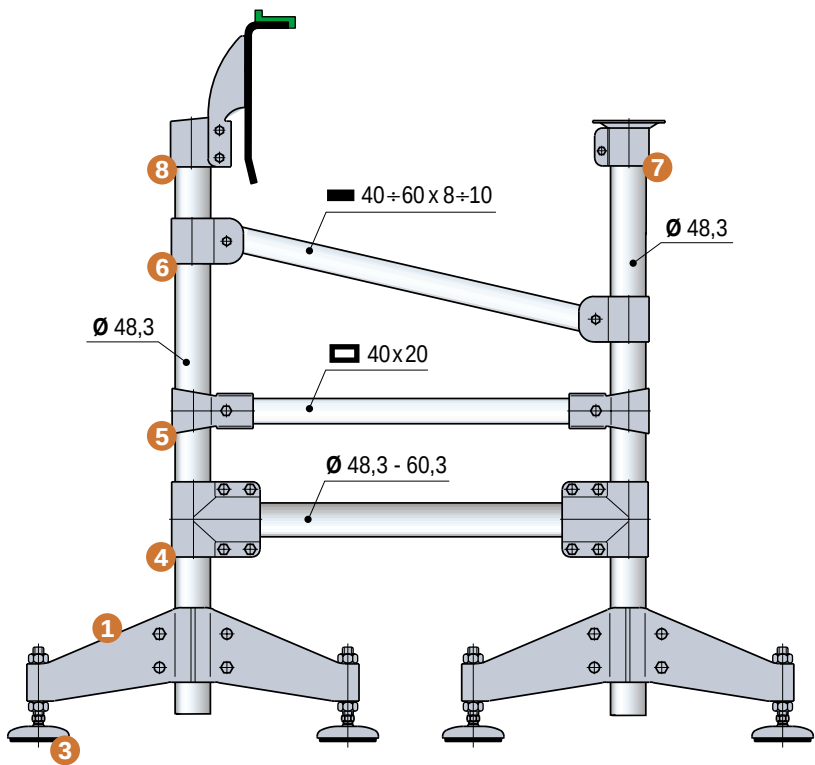
Part. 706

■ Support bases (bipod)



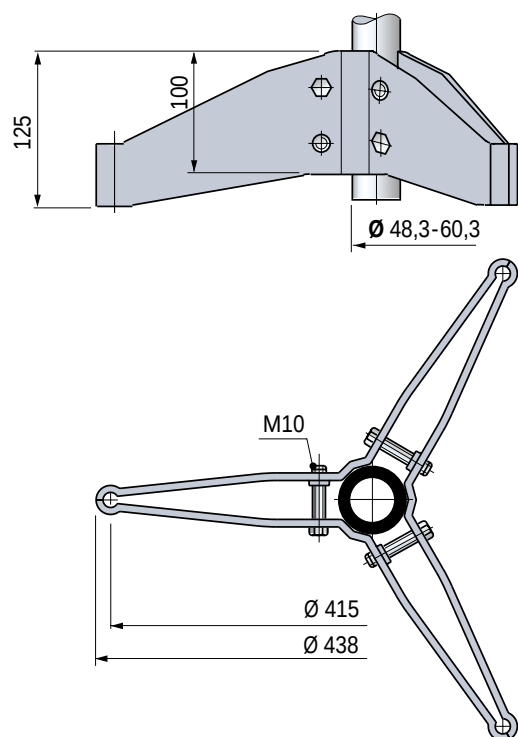
Part.	Tube dia. mm	Code	Weight kg
706	48,3 (1"1/2)	685052	1,88
	60,3 (2")	685852	

- Material : support base and bolts in stainless steel AISI 304.
- Packaging : 2 pieces.



- 1 - Part. 706.
- 3 - Part. 627-549-546.
- 4 - Part. 686.
- 5 - Part. 688.
- 6 - Part. 689.
- 7 - Part. 690.
- 8 - Part. 685.

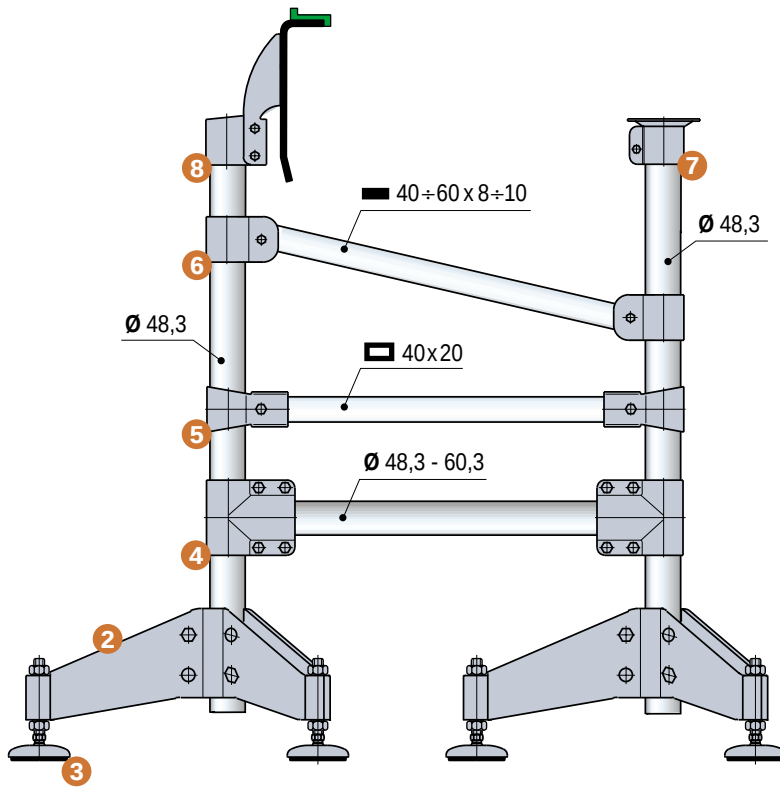
■ Support bases (tripod)



Part.	Tube dia. mm	Code	Weight kg
707	48,3 (1"1/2)	685062	2,61
	60,3 (2")	685862	

- Material : support base and bolts in stainless steel AISI 304.
- Packaging : 1 piece.

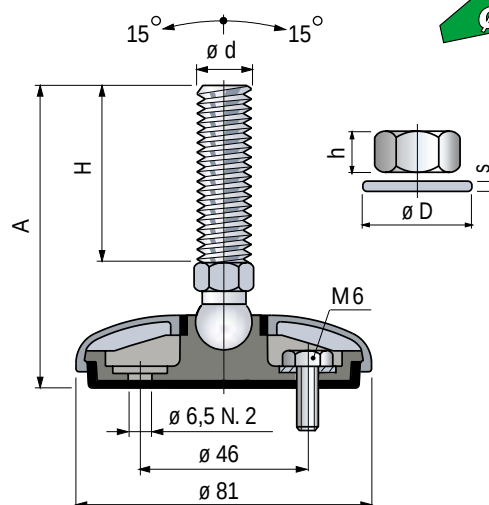
- 2 - Part. 707.
- 3 - Part. 627-549-546.
- 4 - Part. 686.
- 5 - Part. 688.
- 6 - Part. 689.
- 7 - Part. 690.
- 8 - Part. 685.



Part. 627



■ Articulated foot gripper



Foot base is supplied with Microban® antibacterial protection. By penetrating the cell wall of bacteria Microban® inhibits the growth of most common food poisoning bacteria, such as E.coli, Salmonella, Listeria, S-aureus, Campylobacter, which can cause contamination and odour.

• Accessories

Nut + Washer

	Code	h mm	 mm	$\varnothing D$ mm	s mm
M10	630182	8	17	21	2
M12	630192	10	19	24	2,5
M14	630202	11	22	28	2,5
M16	630212	13	24	30	3
M20	630222	16	30	37	3
M24	630232	19	36	44	4

- Material : stainless steel AISI 304.

- Packaging : 8 pieces.

24 pieces (only for M10).

			Spindle types			Code	Code	 Fmax N
						Feet with cap supplied assembled	Feet with cap supplied disassembled*	
M 10	95	67	-	2b	14	627/649632	627/649742	12000
	85	55	-	2b	14	627/649642	627/649752	
M 12	145	115	-	2b	14	627/649652	627/649762	
M 14	110	76	1a	-	11	627/649662	627/649772	
	100	64	1a	-	13	627/649672	627/649782	
M 16	115	81	1a	-	13	627/649682	627/649792	
	160	124	1a	-	13	627/649692	627/649802	
	185	151	1a	-	13	627/649702	627/649812	
M 20	120	84	1a	-	16	627/649712	627/649822	
	185	149	1a	-	16	627/649722	627/649832	
M 24	185	146	1a	-	19	627/649732	627/649842	

- * = Feet can be fixed to the floor.

- Material : spindle in stainless steel AISI 303. Protection cap in stainless steel AISI 304.

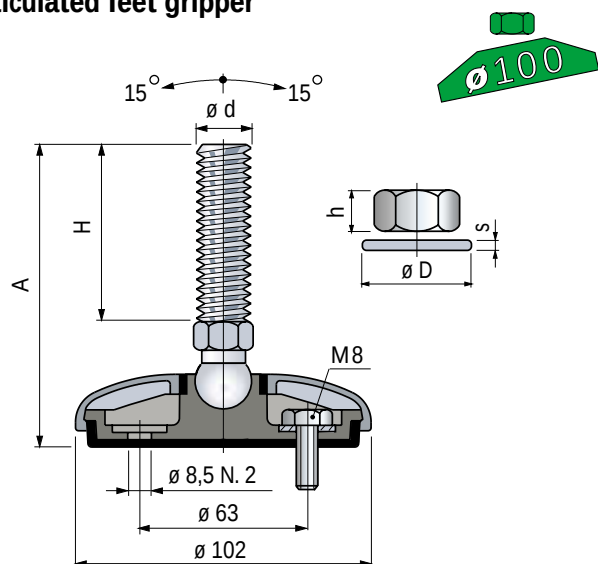
Base in reinforced polypropylene with integrated anti-slip in thermoplastic rubber grey (80 Shore).

- The sealing of the internal structure guarantees a better hygiene.

- Packaging : 24 pieces.

- On request different length.

■ Articulated foot gripper



	Ø d	A (mm)	H (mm)	Spindle types			Code	Code	Fmax N
				Ø 14,2	Ø 24,5	Ø 24,5			
M 14		115	76	1a	-	-	11	623/649852	623/650092
		105	64	1a	-	-	13	623/649862	623/650102
		115	74	-	-	6b	24	623/649872	623/650112
		115	65	-	1b	-	13	623/649882	623/650122
		120	81	1a	-	-	13	623/649892	623/650132
		150	109	-	-	6b	24	623/649902	623/650142
M 16		150	100	-	1b	-	13	623/649912	623/650152
		165	124	1a	-	-	13	623/649922	623/650162
		185	144	-	-	6b	24	623/649932	623/650172
		185	135	-	1b	-	13	623/649942	623/650182
		190	151	1a	-	-	13	623/649952	623/650192
		200	159	-	-	6b	24	623/649962	623/650202
M 20		200	150	-	1b	-	13	623/649972	623/650212
		120	76	-	-	6b	24	623/649982	623/650222
		120	74	-	1b	-	16	623/649992	623/650232
		125	84	1a	-	-	16	623/650002	623/650242
		185	141	-	-	6b	24	623/650012	623/650252
		185	139	-	1b	-	16	623/650022	623/650262
M 24		190	149	1a	-	-	16	623/650032	623/650272
		120	79	-	-	6b	24	623/650042	623/650282
		120	74	-	1b	-	19	623/650052	623/650292
		190	146	1a	-	-	19	623/650062	623/650302
		220	179	-	-	6b	24	623/650072	623/650312
		220	172	-	1b	-	19	623/650082	623/650322

19500

Microban®
antibacterial protection

Foot base is supplied with Microban® antibacterial protection. By penetrating the cell wall of bacteria Microban® inhibits the growth of most common food poisoning bacteria, such as E.coli, Salmonella, Listeria, S-aureus, Campylobacter, which can cause contamination and odour.

• Accessories

Nut + Washer

	Code	h mm	 mm	ØD mm	s mm
M14	630202	11	22	28	2,5
M16	630212	13	24	30	3
M20	630222	16	30	37	3
M24	630232	19	36	44	4

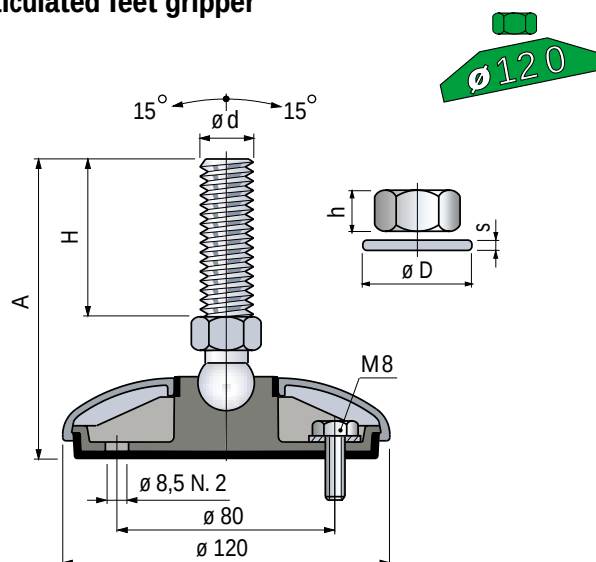
- Material : stainless steel AISI 304.
- Packaging : 8 pieces.

- * = Feet can be fixed to the floor.
- Material : spindle in stainless steel AISI 303. Protection cap in stainless steel AISI 304.
- Base in reinforced polypropylene with integrated anti-slip in thermoplastic rubber grey (80 Shore).
- The sealing of the internal structure guarantees a better hygiene.
- Packaging : 24 pieces.
- On request different length.

Part. 629



■ Articulated foot gripper



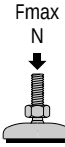
Foot base is supplied with Microban® antibacterial protection. By penetrating the cell wall of bacteria Microban® inhibits the growth of most common food poisoning bacteria, such as E.coli, Salmonella, Listeria, S-aureus, Campylobacter, which can cause contamination and odour.

• Accessories

Nut + Washer

	Code	h mm	 mm	$\varnothing D$ mm	s mm
M14	630202	11	22	28	2,5
M16	630212	13	24	30	3
M20	630222	16	30	37	3
M24	630232	19	36	44	4

- Material : stainless steel AISI 304.
- Packaging : 8 pieces.

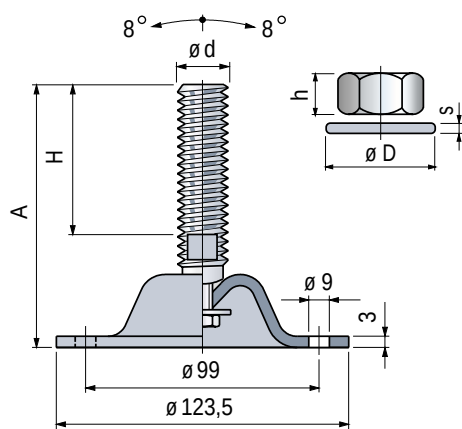
	$\varnothing d$	A (mm)	H (mm)	Spindle types			Code	Code	Fmax N
							Feet with cap supplied assembled	Feet with cap supplied disassembled*	
M 14	120	76		1a	-	-	629/650332	629/650572	22000
	110	64		1a	-	-	629/650342	629/650582	
	120	74		-	-	6b	629/650352	629/650592	
	120	65		-	1b	-	629/650362	629/650602	
	125	81		1a	-	-	629/650372	629/650612	
	155	109		-	-	6b	629/650382	629/650622	
M 16	155	100		-	1b	-	629/650392	629/650632	
	170	124		1a	-	-	629/650402	629/650642	
	190	144		-	-	6b	629/650412	629/650652	
	190	135		-	1b	-	629/650422	629/650662	
	195	151		1a	-	-	629/650432	629/650672	
	205	159		-	-	6b	629/650442	629/650682	
M 20	205	150		-	1b	-	629/650452	629/650692	
	125	76		-	-	6b	629/650462	629/650702	
	125	74		-	1b	-	629/650472	629/650712	
	130	84		1a	-	-	629/650482	629/650722	
	190	141		-	-	6b	629/650492	629/650732	
	190	139		-	1b	-	629/650502	629/650742	
M 24	195	149		1a	-	-	629/650512	629/650752	
	125	79		-	-	6b	629/650522	629/650762	
	125	74		-	1b	-	629/650532	629/650772	
	195	146		1a	-	-	629/650542	629/650782	
	225	179		-	-	6b	629/650552	629/650792	
	225	172		-	1b	-	629/650562	629/650802	

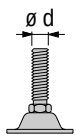
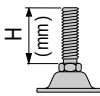
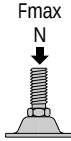
- * = Feet can be fixed to the floor.
- Material : spindle in stainless steel AISI 303. Protection cap in stainless steel AISI 304.
- Base in reinforced polypropylene with integrated anti-slip in thermoplastic rubber grey (80 Shore).
- The sealing of the internal structure guarantees a better hygiene.
- Packaging : 24 pieces.
- On request different length.

Articulated feet

Part. 351 - Without fixing holes

Part. 349 - With 4 fixing holes



			Spindle types				
							
Part. 351 - Without fixing holes							
M 16	185	148	-	12	22	351/678721	6000
M 20	180	140	-	12	22	351/61106	
	185	148	-	12	22	351/688091	
M 24	215	165	11	-	19	351/63797	
M 30	170	120	11	-	27	351/66014	
	230	180	11	-	27	351/678741	
Part. 349 - With 4 fixing holes							
M 16	185	148	-	12	22	349/682721	6000
M 20	180	140	-	12	22	349/68165	
	185	148	-	12	22	349/688121	
M 24	215	165	11	-	19	349/63747	
M 30	170	120	11	-	27	349/63757	
	230	180	11	-	27	349/682741	

- Material : base and spindle in stainless steel AISI 303.
- Packaging : 8 pieces.
- On request different length.

Accessories

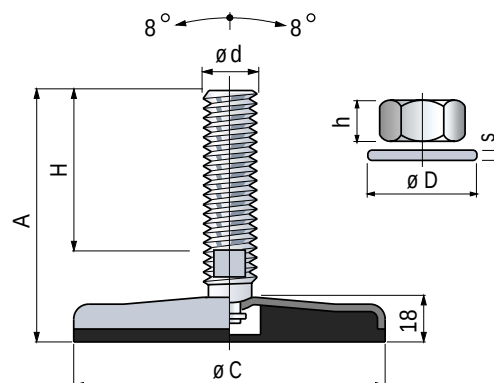
Nut + Washer

	Code	h mm	mm	Ø D mm	s mm
M16	630212	13	24	30	3
M20	630222	16	30	37	3
M24	630232	19	36	44	4
M30	630242	24	46	56	4

- Material : stainless steel AISI 304.
- Packaging : 8 pieces.

Part. 549-546-547-548

■ Articulated feet

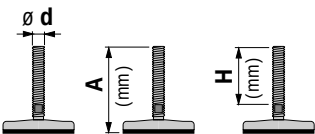
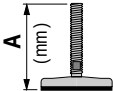
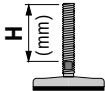
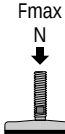


• Accessories

Nut + Washer

	Code	h mm	 mm	Ø D mm	s mm
M 12	630192	10	19	24	2,5
M 16	630212	13	24	30	3
M 20	630222	16	30	37	3
M 24	630232	19	36	44	4
M 30	630242	24	46	56	4

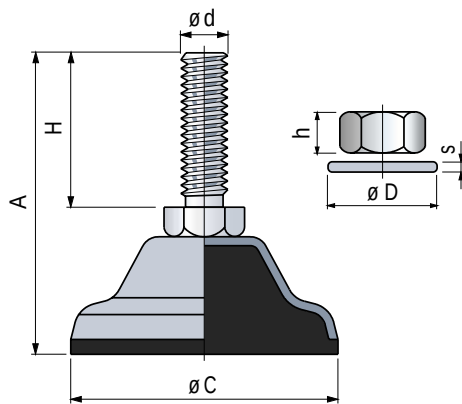
- Material : stainless steel AISI 304.
- Packaging : 8 pieces.

					Spindle types				
Ø C mm						mm	Code		
Part. 549									
	M 12	75	44	13	10		549/632372	8000	
		100	66	13	10		549/632382		
		150	119	13	10		549/632392		
		175	144	13	10		549/632402		
	M 16	75	47	13	13		549/632412		
		125	97	13	13		549/632422		
		175	148	13	13		549/632432		
		Part. 546							
	M 16	175	148	13	13		546/684791	18000	
	M 20	175	148	13	16		546/684811		
	M 24	205	165	13	19		546/684821		
	M 30	160	115	13	27		546/684831		
		220	175	13	27		546/684841		
Part. 547									
	M 16	175	148	13	13		547/684951	22000	
	M 20	175	148	13	16		547/684971		
	M 24	205	165	13	19		547/684981		
	M 30	160	115	13	27		547/684991		
		220	175	13	27		547/685001		
Part. 548									
	M 16	175	148	13	13		548/685111	26000	
	M 20	175	148	13	16		548/685131		
	M 24	205	165	13	19		548/685141		
	M 30	160	115	13	27		548/685151		
		220	175	13	27		548/685161		

- Material : base and spindle in stainless steel AISI 303. Anti-slip in NBR rubber black (80 Shore).
- Packaging : 8 pieces.
- On request different length.

Part. 383-384-399-385

Part. 383-384-399-385 - Fixed feet



Ø C mm	Ø d	A (mm)	H (mm)	mm	Code	Fmax N
Part. 383						
 Ø 40	M 8	57	30	13	383/65426	7000
Part. 384						
 Ø 65	M 12	90	50	19	384/65436	12000
Part. 399						
 Ø 90	M 16	110	60	24	399/61627	11000
Part. 385						
 Ø 110	M 20	130	70	30	385/65446	10000

- Material : footplate and spindle in stainless steel AISI 304. Anti-slip in Adiprene (red).
- Packaging : 16 pieces (for Part. 383). 8 pieces (for Part. 384-399). 4 pieces (for Part. 385).
- On request different length.

- Characteristics

The Adiprene anti-slip element has acid resistant characteristics and resists loads occurring in heavy duty applications.

Feet to be used in humid applications, where they will be subjected to frequent cleaning with detergents, in presence of chemical products and acids and where optimum cleanliness and hygiene is required.

- Application

The food-, dairy and meat industry.
Chemical and pharmaceutical industries.

Part. 675



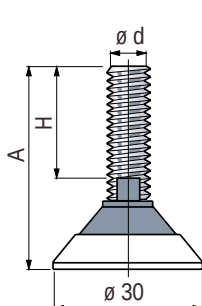
• Accessories

Nut + Washer

	Code	h mm	mm	ØD mm	s mm
M8	654922	6,5	13	17	1,6
M10	630182	8	17	21	2
M12	630192	10	19	24	2,5
M16	630212	13	24	30	3
M20	630222	16	30	37	3

- Material : stainless steel AISI 304.
- Packaging : 8 pieces.

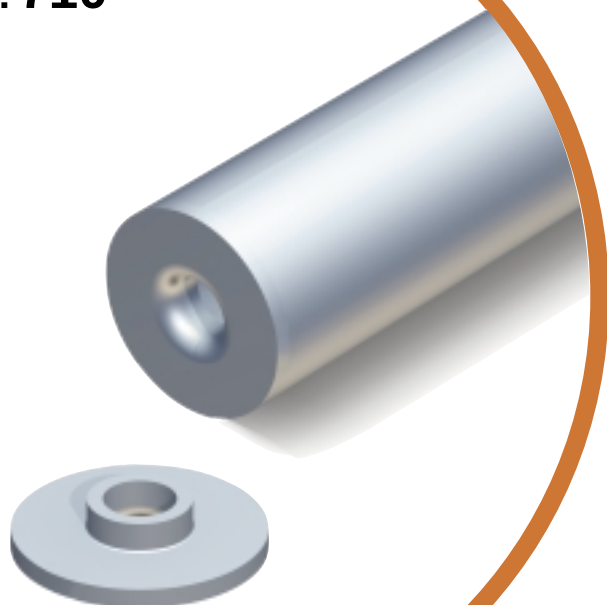
Part. 675 - Fixed feet



	Ø d	A (mm)	H (mm)	mm	Code	Fmax N
M 8		44	22	6	675/683422	8000
		64	42	6	675/683432	
M 10		42	22	8	675/683442	10000
		67	47	8	675/683452	

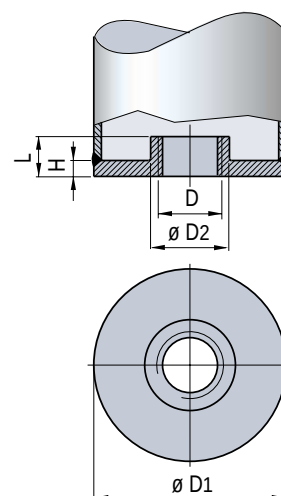
- Material : base in reinforced polypropylene PP FV (white), spindle in stainless steel AISI 304.
- Packaging : 12 pieces.
- On request different length.

Part. 710



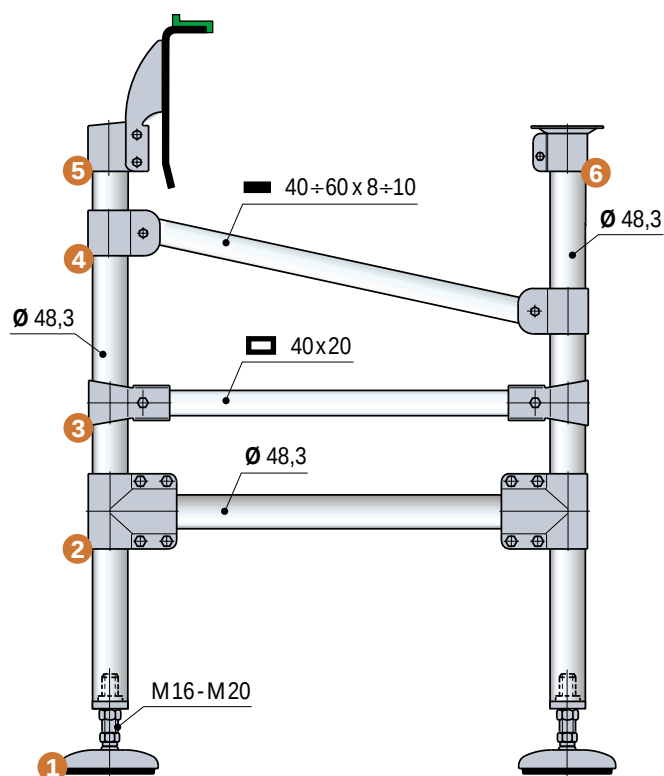
Threaded bushings (for round tubes)

For tubes
 $\varnothing 48,3$ mm
 (1"1/2)



Part.	Tube dia. mm	Thread D	Code	$\varnothing$ D1 mm	$\varnothing$ D2 mm	H mm	L mm	Weight kg
710	48,3 (1"1/2)	M 16	685682	48,3	20	4	10	0,06
		M 20	685692	48,3	23	4	11,5	

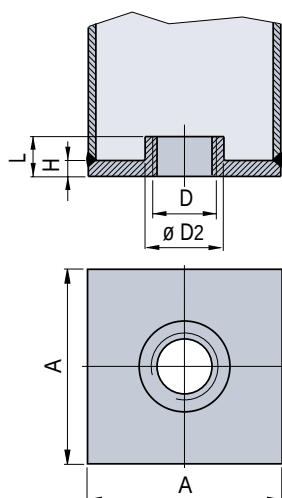
- Assembly : by welding.
- Material : stainless steel AISI 304.
- Packaging : 48 pieces.



- 1** - Part. 349 -
351-385-
399-546-
547-548-
549-623-
627-629.
- 2** - Part. 686.
- 3** - Part. 688.
- 4** - Part. 689.
- 5** - Part. 685.
- 6** - Part. 690.

Part. 713

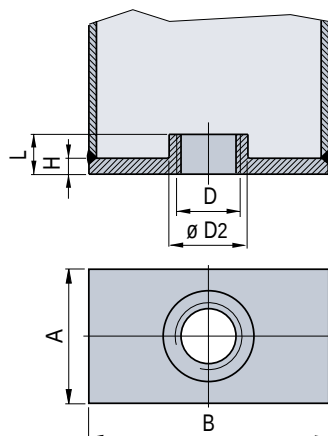
■ Part. 713 - Threaded bushings (for square tubes)



Part.	Square tube mm	Thread D	Code	A mm	Ø D2 mm	H mm	L mm	Weight kg
713	40x40	M 16	685702	40	20	4	10	0,05
		M 20	685712	40	23	4	11,5	
	45x45	M 16	685722	45	20	4	10	0,06
		M 20	685732	45	23	4	11,5	
	50x50	M 16	685742	50	20	4	10	0,08
		M 20	685752	50	23	4	11,5	
	60x60	M 16	685762	60	20	4	10	0,11
		M 20	685772	60	23	4	11,5	

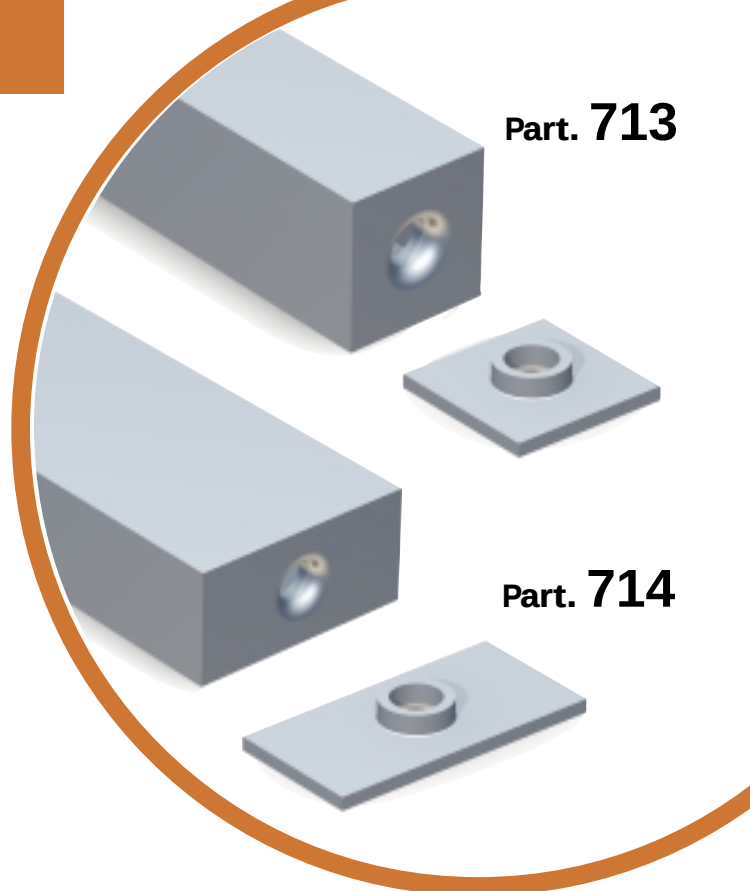
- Assembly : by welding.
- Material : stainless steel AISI 304.
- Packaging : 48 pieces.

■ Part. 714 - Threaded bushings (for rectangular tubes)



Part.	Rectangular tube mm	Thread D	Code	A mm	B mm	Ø D2 mm	H mm	L mm	Weight kg
714	40x80	M 16	685782	40	80	20	4	10	0,10
		M 20	685792	40	80	23	4	11,5	

- Assembly : by welding.
- Material : stainless steel AISI 304.
- Packaging : 48 pieces.



Part. 714

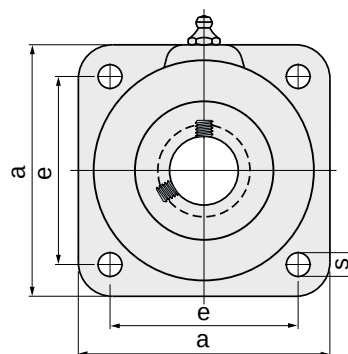
UCFS/C-HCFS/C



PATENT PENDING

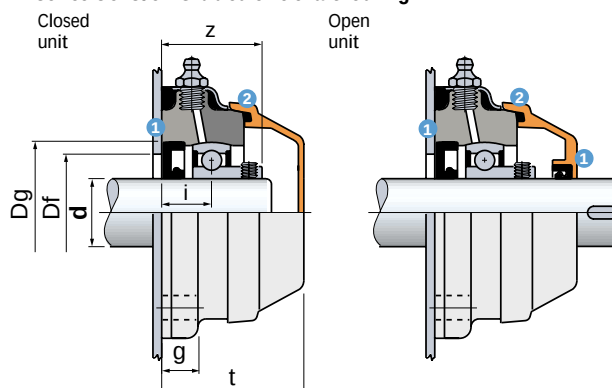
- Stainless steel AISI 316 surface
- Waterproof housing
- Grub screws or eccentric collar shaft locking
- Solid flange
Patent pending design with perfect seal: rubber makes one-body with steel and engineering plastic bearing seat.

■ Square flange bearing units

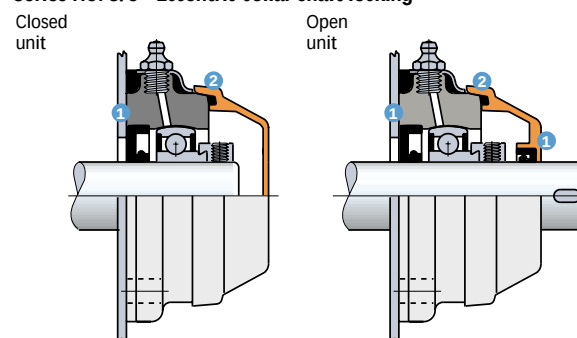


1-Seal.
2-O-Ring.

Series UCFS/C - Grub screws shaft locking



Series HCFS/C - Eccentric collar shaft locking



Ø d mm	Serie	Housing material	Dimensions in mm									Bore in frame ¹⁾			Weight Kg
		Polyamide PA FV with stainless steel surface Cover (orange)										Df			
		Code	e	a	s	g	i	z	t	Dg	max.	min.	Bearing		
Grub screws shaft locking • Closed unit															
30	UCFS 206 C	615622	83	111	10,5	15,9	22	43	65,8	62	60	50	YAT 206	0,73	
35*	SUCFS 207 C	615632	83	111	10,5	15,9	22	45,3	65,8	72	70	55	YAT 207	0,84	
40*	SUCFS 208 C	615642	83	111	10,5	15,9	22	47,3	65,8	80	78	65	YAT 208	0,94	
Grub screws shaft locking • Open unit															
30	UCFS 206 C	615652	83	111	10,5	15,9	22	43	65,8	62	60	50	YAT 206	0,73	
35*	SUCFS 207 C	615662	83	111	10,5	15,9	22	45,3	65,8	72	70	55	YAT 207	0,84	
40*	SUCFS 208 C	615672	83	111	10,5	15,9	22	47,3	65,8	80	78	65	YAT 208	0,94	
Eccentric collar shaft locking • Closed unit															
30	HCFS 206 C	670402	83	111	10,5	15,9	22	49	65,8	62	60	50	YET 206	0,80	
35*	SHCFS 207 C	670412	83	111	10,5	15,9	22	51	65,8	72	70	55	YET 207	0,90	
40*	SHCFS 208 C	670422	83	111	10,5	15,9	22	55	65,8	80	78	65	YET 208	1,00	
Eccentric collar shaft locking • Open unit															
30	HCFS 206 C	670432	83	111	10,5	15,9	22	49	65,8	62	60	50	YET 206	0,80	
35*	SHCFS 207 C	670442	83	111	10,5	15,9	22	51	65,8	72	70	55	YET 207	0,90	
40*	SHCFS 208 C	670452	83	111	10,5	15,9	22	55	65,8	80	78	65	YET 208	1,00	

* = Special version. The distances between fixing holes (e = 83 mm) are the same as for type d 30 mm.

1) = Dimensions Df max / Df min must be respected to ensure positive retention of the seals and to allow air bleeding during lubrication.

Packaging : 6 pieces.

Material

Housing in reinforced polyamide PA FV resin (black) • Stainless steel AISI 316 surface • Protection cover in polypropylene PP (orange) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple.

Continuous operating temperature

in air : - 20 to + 60°C.

Maximum allowed misalignment: 2°

Bearing



Series YAT (grub screws shaft locking) • Series YET (eccentric collar shaft locking) • Chrome alloy steel • Superagriseal unit • Prelubricated with lithium / calcium grease • Can be relubricated

Loads

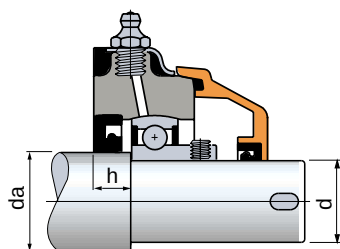
Shaft dia. d mm	Bearing load			Bearing unit max. static load	
	Load coefficient dyn. ¹⁾ C N	stat. Co N	Max. ¹⁾ axial load N	 PA FV N	 PA FV N
30	19500	11200	3900	20700	25300
35*	25500	15300	5100	20700	25300
40*	30700	19000	6140	20700	25300

* = Special version.

1) = Values are valid for applications with $\leq h$ 6 shaft tolerance. Time 0.77 values must be considered in all other cases.

Shaft shoulders locking

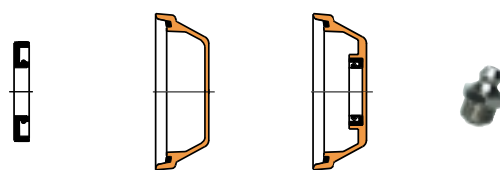
Supplied upon request.



Shaft dia. da mm	Bearing dia. d mm	h mm
35	30	12,8
40*	35*	12,3
45*	40*	11,3

* = Special version.

Spare parts



Shaft dia. d mm	Seal	Closed cover supplied with seal	Open Cover supplied with seals	Ball type grease nipple
	Code			
30	68416	63539	615682	
35*	641111	63539	615692	64437
40*	632141	63539	63549	

* = Special version.

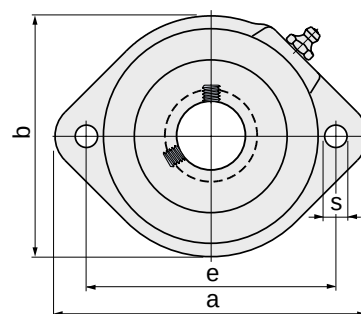
UCFLS/C-HCFLS/C



PATENT PENDING

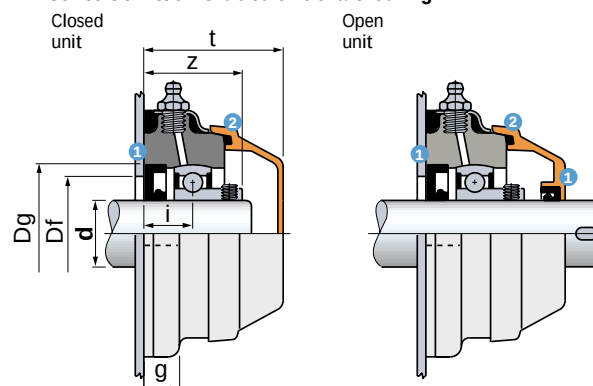
- Stainless steel AISI 316 surface
- Waterproof housing
- Grub screws or eccentric collar shaft locking
- Solid flange
Patent pending design with perfect seal: rubber makes one-body with steel and engineering plastic bearing seat.

■ Oval flange bearing units

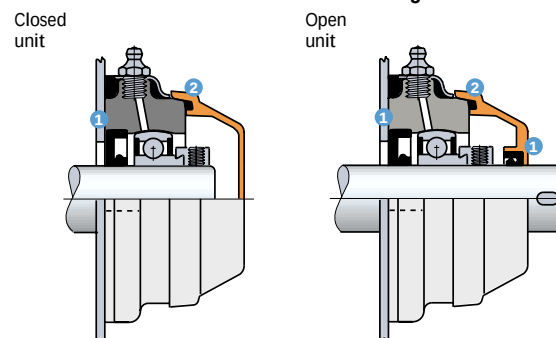


1-Seal.
2-O-Ring.

Series UCFLS/C - Grub screws shaft locking



Series HCFLS/C - Eccentric collar shaft locking



Ø d mm	Serie	Code	Housing material		Dimensions in mm								Bore in frame ¹⁾			Weight Kg
			Polyamide PA FV with stainless steel surface Cover (orange)										Df			
			e	a	b	s	g	i	z	t	Dg	max.	min.	Bearing		
Grub screws shaft locking • Closed unit																
30	UCFLS 206 C	670792	117	145	112	10,5	15,5	22	43	65,8	62	60	50	YAT 206	0,65	
35*	SUCFLS 207 C	670802	117	145	112	10,5	15,5	22	45,3	65,8	72	70	55	YAT 207	0,76	
40*	SUCFLS 208 C	670812	117	145	112	10,5	15,5	22	47,3	65,8	80	78	65	YAT 208	0,86	
Grub screws shaft locking • Open unit																
30	UCFLS 206 C	670822	117	145	112	10,5	15,5	22	43	65,8	62	60	50	YAT 206	0,65	
35*	SUCFLS 207 C	670832	117	145	112	10,5	15,5	22	45,3	65,8	72	70	55	YAT 207	0,76	
40*	SUCFLS 208 C	670842	117	145	112	10,5	15,5	22	47,3	65,8	80	78	65	YAT 208	0,86	
Eccentric collar shaft locking • Closed unit																
30	HCFLS 206 C	670852	117	145	112	10,5	15,5	22	49	65,8	62	60	50	YET 206	0,72	
35*	SHCFLS 207 C	670862	117	145	112	10,5	15,5	22	51	65,8	72	70	55	YET 207	0,82	
40*	SHCFLS 208 C	670872	117	145	112	10,5	15,5	22	55	65,8	80	78	65	YET 208	0,92	
Eccentric collar shaft locking • Open unit																
30	HCFLS 206 C	670882	117	145	112	10,5	15,5	22	49	65,8	62	60	50	YET 206	0,72	
35*	SHCFLS 207 C	670892	117	145	112	10,5	15,5	22	51	65,8	72	70	55	YET 207	0,82	
40*	SHCFLS 208 C	670902	117	145	112	10,5	15,5	22	55	65,8	80	78	65	YET 208	0,92	

* = Special version. The distances between fixing holes (e = 117 mm) are the same as for type d 30 mm.

1) = Dimensions Df max / Df min must be respected to ensure positive retention of the seals and to allow air bleeding during lubrication.

Packaging : 6 pieces.

Material

Housing in reinforced polyamide PA FV resin (black) • Stainless steel AISI 316 surface • Protection cover in polypropylene PP (orange) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple.

Continuous operating temperature

in air : - 20 to + 60 °C.

Maximum allowed misalignment: 2°

Bearing



Series YAT (grub screws shaft locking) • Series YET (eccentric collar shaft locking) • Chrome alloy steel • Superagriseal unit • Prelubricated with lithium / calcium grease • Can be relubricated

Loads

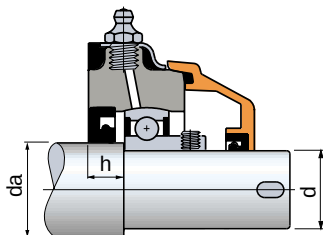
Shaft dia. d mm	Bearing load			Bearing unit max. static load	
	Load coefficient dyn.1) C N	stat. Co N	Max. 1) axial load N	PA FV N	PA FV N
30	19500	11200	3900	14950	14375
35*	25500	15300	5100	14950	13225
40*	30700	19000	6140	14950	14950

* = Special version.

1) = Values are valid for applications with $\leq h 6$ shaft tolerance. Time 0.77 values must be considered in all other cases.

Shaft shoulders locking

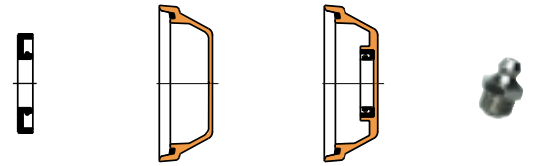
Supplied upon request.



Shaft dia. da mm	Bearing dia. d mm	h mm
35	30	12,8
40*	35*	12,3
45*	40*	11,3

* = Special version.

Spare parts



Shaft dia. d mm	Seal	Closed cover supplied with seal	Open Cover supplied with seals	Ball type grease nipple
	Code			
30	68416	63539	615682	64437
35*	641111	63539	615692	
40*	632141	63539	63549	

* = Special version.

Chemical resistance

CHEMICAL AGENT	POLYAMIDE PA		POLYETHYLENE PE		POLYPROPYLENE PP		AISI 316		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	+	50	+	20	+	/	
ACETONE	100	+		+		+	25	+	50	+		+
ALUMINIUM CHLORIDE	10	+					/		-			
AMMONIA CONC.	10	+		+		+						
AMMONIA	10	+		+	30	+	100	+	50	+		-
AMMONIUM CHLORIDE	10	+					/		10	/		
AMYL ALCOHOL	100	+				+		+		+		
ANILINE		/	3	+	100	+			3	+		
BEER		+		+		+				+		
BENZENE		+		/		+			70	/		
BENZOIC ACID	Sat.	/			Sat.	+	100	+	100	/		
BENZOL	100	+		/		/		+		+		+
BORIC ACID	10	+	Sat.	+	Sat.	+	Sat.	+	100	/		
BRINE		/		+	Sat.	+						
BUTTER		+		+		+				+		+
BUTYL ALCOHOL	100	+				+		+		+		
BUTYRIC ACID		-		+	100	+			5	+		
CALCIUM CHLORIDE	10	+	Sat.	+	50	+	/		10	-		+
CARBON SULPHIDE	100	+		+		+		+		+		
CARBON TETRACHLORIDE		+		/		-		+	10	-		+
CAUSTIC SODA	10	+	25	+	52	+				+		
CHEESE		-		+		+						
CHLORINATED WATER		+		-		-				-		
CHLOROFORM	100	-		-		/		+	100	+		+
CHOCOLATE		-		+								
CITRIC ACID	10	/		+	10	+	25	+	5	+		-
CUPRIC SULPHATE	10	+		+	Sat.	+	100	+	5	+		
DISTILLED WATER		+		+		+				+		
ETHYL ACETATE	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	+			5	/		+
FREON 12		+								+		
FRESH WATER		+		+		+				+		
FRUIT JUICES		+		+		+				+		
GASOLINE		+		/		/		+		+		/
GLYCERINE		+		+		+		+		+		+
HYDROCHLORIC ACID	10	-	37	+	30	+	1	+		-		/
HYDROCHLORIC ACID	2	-	2	+	2	+						
HYDROFLUORIC ACID	40	-	70	+	40	+				-		
HYDROGEN PEROXIDE	3	-		+	30	+		+	30	+		/
IODINE		-		+		+						
LACTIC ACID	10	+		+	20	+	10	+	5	+		-
LINSEED OIL		+				+		+	100	+		
MAGNESIUM CHLORIDE	10	+			Sat.	+	/		5	+		
MERCURY		+		+	100	+		+	100	/		/
METHYL ALCOHOL	100	+		+		+		+	100	/		+
METHYLENE CHLORIDE	100	+		/		/	/		/	/		
MILK		+		+		+				+		+
MINERAL OILS		+		+		+		+		+		

Chemical resistance

CHEMICAL AGENT	POLYAMIDE PA		POLYETHYLENE PE		POLYPROPYLENE PP		AISI 316		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
MUSTARD		–		+		+						
NITRIC ACID	10	–	5	/		+	65	+	10	+		
OLEIC ACID	100	+		/		+			100	/		+
PARAFFIN		+		+	100	/				+		
PETROLEUM ETHER		+		+		+		+		+		+
PETROLEUM		+		–	100	/				+		+
PHENOL		–				+		+	10	+		
PHOSFORIC ACID	10	–	95	+	85	+	50	/	10	–		–
POTASSIUM HYDROXIDE	10	+					50	+	50	+		
SEA WATER		+		+		+		+		+		+
SILICONE OIL		+				+						
SILVER NITRATE		+			20	+			60	/		
SOAP AND WATER		+		+		+				+		
SODIUM CARBONATE	10	+		+	Sat.	+	100	+	5	+		
SODIUM CHLORIDE	10	+		+	Sat.	+		/	5	+		+
SODIUM HYDROXIDE	10	+		+	30	+				–		
SODIUM HYPOCHLORITE		+		+	20	+				–		
SODIUM SILICATE		+					100	+	100	+		
SODIUM SULPHATE	10	+		+	Sat.	+	100	+	5	+		
SOFT DRINKS		+		+		+				+		
SUDS		+				+						
SULPHURIC ACID	10	–	40	/	98	+	100	+	10	–		+
TARTARIC ACID		+		+	10	+	50	+	10	+		–
TETRALINE		+				–						
TINCTURE OF IODINE		–		+		+						–
TRANSFORMER OIL		+				/						
TRICHLORETHYLENE		/		+		/				+		+
TURPENTINE		/		–		–				+		
VASELINE		+		/		+						
VEGETABLE JUICES		+		+		+				+		
VEGETABLE OILS		+		+		+				+		
VINEGAR		+		+		+				+		+
WHISKY		+		+		+				+		+
WINE		+		+		+				+		+
XILOL		+		/		–				+		/
ZINC CHLORIDE	10	/			20	+		/	10	–		

Abbreviations: Sat. = saturated.

Legend.

+ = Good resistance.

/ = Fairly good resistance (limited use depending on working conditions di esercizio).

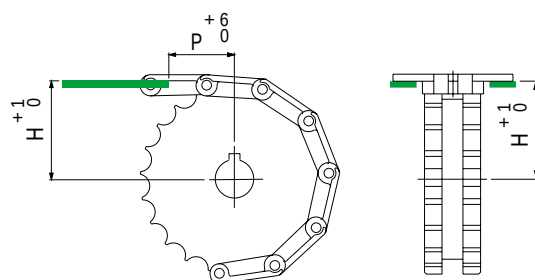
– = Poor resistance (not recommended).

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.

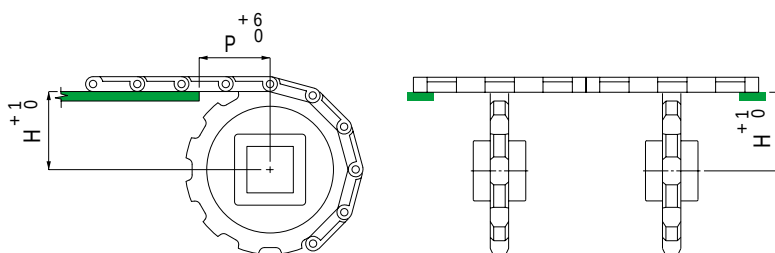
Position of chain guide profiles for TableTop® chains



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.

$$L_t = L_0 \cdot [1 + a \cdot (T - 20^{\circ}\text{C})]$$

L_t = final length (mm.)
 L_0 = initial length (mm.)
 a = coefficient of linear expansion.
 T = operating temperature ($^{\circ}\text{C}$).
 20°C = ambient temperature.

Calculation of thermal expansion

Example :

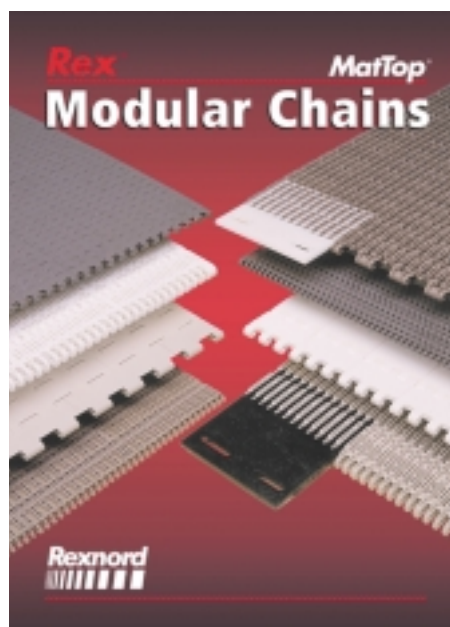
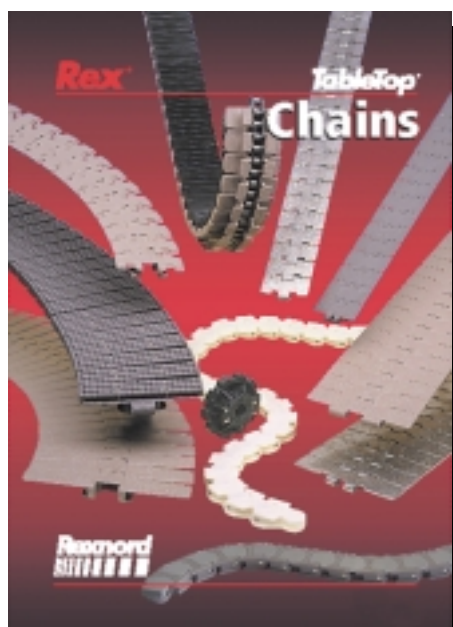
a guide having initial length $L_0 = 1000$ mm, coefficient of linear expansion 2×10^{-4} , and an operating temperature of 70°C , expands by :

$$L_t = 1000 \text{ mm} \cdot [1 + 0,0002 \cdot (70^{\circ}\text{C} - 20^{\circ}\text{C})] = 1010 \text{ mm}$$

Codes Index

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
51000	13	635542	31	650362	44	670892	52	684811	46
53801	13	641111	51-53	650372	44	670902	52	684821	46
60111	11	647871	13	650382	44	673962	20	684831	46
60121	9	649632	42	650392	44	673972	20	684841	46
60131	10	649642	42	650402	44	673982	20	684862	25
60141	9	649652	42	650412	44	673992	20	684872	25
60161	4	649662	42	650422	44	674002	20	684882	24
61031	5	649672	42	650432	44	674012	20	684892	24
61056	31	649682	42	650442	44	674022	20	684902	22
61106	45	649692	42	650452	44	674032	20	684912	22
61605	35	649702	42	650462	44	674042	20	684951	46
61615	35	649712	42	650472	44	674052	20	684971	46
61627	47	649722	42	650482	44	674212	33	684981	46
61743	5	649732	42	650492	44	674222	33	684991	46
61753	4	649742	42	650502	44	675712	27	685001	46
62512	6	649752	42	650512	44	675722	27	685052	40
62522	6	649762	42	650522	44	675732	27	685062	41
63539	51-53	649772	42	650532	44	675742	27	685072	15
63549	51-53	649782	42	650542	44	675752	27	685082	15
63747	45	649792	42	650552	44	675762	27	685092	15
63757	45	649802	42	650562	44	675772	27	685102	15
63797	45	649812	42	650572	44	675782	27	685111	46
64026	31	649822	42	650582	44	676392	27	685112	17
64046 M	29	649832	42	650592	44	678721	45	685122	17
64056 M	28	649842	42	650602	44	678741	45	685131	46
64066	30	649852	43	650612	44	682721	45	685132	17
64244	10	649862	43	650622	44	682741	45	685141	46
64437	51-53	649872	43	650632	44	683422	47	685142	17
65426	47	649882	43	650642	44	683432	47	685151	46
65436	47	649892	43	650652	44	683442	47	685161	46
65446	47	649902	43	650662	44	683452	47	685682	48
65612	34	649912	43	650672	44	683802	27	685692	48
65976	9	649922	43	650682	44	683902	20	685702	49
66014	45	649932	43	650692	44	684262	19	685712	49
66791	5	649942	43	650702	44	684272	19	685722	49
67063	4	649952	43	650712	44	684282	19	685732	49
67103	4	649962	43	650722	44	684292	14	685742	49
67113	4	649972	43	650732	44	684302	15	685752	49
67123	5	649982	43	650742	44	684312	15	685762	49
67602	5	649992	43	650752	44	684322	15	685772	49
68165	45	650002	43	650762	44	684332	15	685782	49
68416	51-53	650012	43	650772	44	684342	15	685792	49
69072	4	650022	43	650782	44	684352	16	685842	20
69292	4	650032	43	650792	44	684362	17	685852	40
69302	4	650042	43	650802	44	684372	17	685862	41
69402	5	650052	43	654922	47	684382	17	686022	27
69412	34	650062	43	656001	10	684392	17	686272	26
69585 M	28	650072	43	656041	11	684402	17	686282	26
69615 M	29	650082	43	669112	27	684412	18	686292	26
69645	30	650092	43	669122	27	684422	18	686302	26
611092	6	650102	43	669132	27	684432	18	686422	33
615622	50	650112	43	669142	27	684442	21	686432	33
615632	50	650122	43	669152	27	684452	21	687252	25
615642	50	650132	43	669162	27	684462	21	688091	45
615652	50	650142	43	669172	27	684472	21	688121	45
615662	50	650152	43	669182	27	684482	21	689172	32
615672	50	650162	43	669542	13	684492	21	689182	32
615682	51-53	650172	43	669552	13	684502	37	689192	12
615692	51-53	650182	43	669562	13	684512	38	689202	12
630182	42	650192	43	669572	23	684522	38	689212	8
630192	42-46-47	650202	43	670402	50	684532	38	689222	8
630202	42-43-44-45	650212	43	670412	50	684542	38	689231	7
630212	42-43-44-	650222	43	670422	50	684552	39	689241	7
	45-46-47	650232	43	670432	50	684562	39	689291	7
630222	42-43-44-45	650242	43	670442	50	684572	36	689311	7
	-46-47	650252	43	670452	50	684582	26	689481	32
630232	42-43-44-46	650262	43	670792	52	684592	26	689491	32
630242	45-46	650272	43	670802	52	684602	26		
632141	51-53	650282	43	670812	52	684612	26		
632372	46	650292	43	670822	52	684622	26		
632382	46	650302	43	670832	52	684632	26		
632392	46	650312	43	670842	52	684641	7		
632402	46	650322	43	670852	52	684642	26		
632412	46	650332	44	670862	52	684651	7		
632422	46	650342	44	670872	52	684652	26		
632432	46	650352	44	670882	52	684791	46		

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The loads indicated in the table represent the maximum loads that can be applied at static conditions. These values result from tests and laboratory experiments done on our materials, injection molded and conditioned (40h - 23°C - 50% U.R.).

The loads values should be adequately reduced in case of : vibrations at high frequencies, live loads, high temperatures and places with high degree of humidity. For a mutual guarantee, please address to our technical or commercial departments, in order to value the characteristics according to their employment.



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Rexnord Marbett s.r.l.

Via dell'Industria, 4
42015 Correggio (RE)
Italy
Phone +39 0522 - 639333
Fax +39 0522 - 637778
info@rexnordmarbett.it
www.rexnordmarbett.com

Rexnord FlatTop Europe b.v.

P.O. Box 112
2690 AC 's-Gravenzande
The Netherlands
Phone +31 (0) 174 - 445 111
Fax +31 (0) 174 - 445 222
flattopeurope@rexnord.com
www.rexnordmcc.com