

Stretchline CS Railing overview



STRETCH_LINE

Version 2. July 2025



fs solutions

by hellomoov



CS RAILING Overview

Introduction
STRETCH_LINE

FS Solutions brings STRETCH_LINE to the next level

From 01.01.2019 FS Solutions has taken over the STRETCH_LINE Transportsystem from MS Plus Automation/Schüco.

This proven transport system is an ideal addition to the modular transport systems of FS Solutions. Customers are ensured with a unique range and extensive application know-how for the STRETCH-LINE system.

FS Solutions is a provider of turnkey solutions, components as well as assembly kits for process automation and internal transport.

Since the start in 2005, FS Solutions has built up an impressive reference list in manufacturing high-end transportsystems and production automation for various industries, such as: Logistics, Food, Consumer goods (FMCG), Tobacco and Pharma.

Our motivated and enthusiastic team always strives to provide a fast and adequate response. As FS Solutions uses high-quality, modular elements, each system can be compiled to requirement. Our extensive service does not end on delivery.

“With over 20 years of experience and know-how, FS Solutions is guaranteed to find you a high-end solution.”

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Patents
Parts of the FS Solutions product range are protected by patents and design regulations. Drawings are made to European standards.

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Icon overview

General



Note Caution



Packaging unit



Material



Colour



Surface



Weight



Tools



Cutting profile to length



Left-hand version LS/
right-hand version RS



Type/Version



Fabrication



Mounting



Energy Efficiency

System related



Chain Type



Maximum permissible
chain pulling force



Maximum conveying
speed



Maximum permissible
line length



Drive motor



Conveyor chain material



Profile series



Effective chain length



Effective chain length -
inside curve



Effective chain length -
outside curve

Dimensions



Sizes, dimensions



Width



Length



Thread



Idler radius



Idler angle

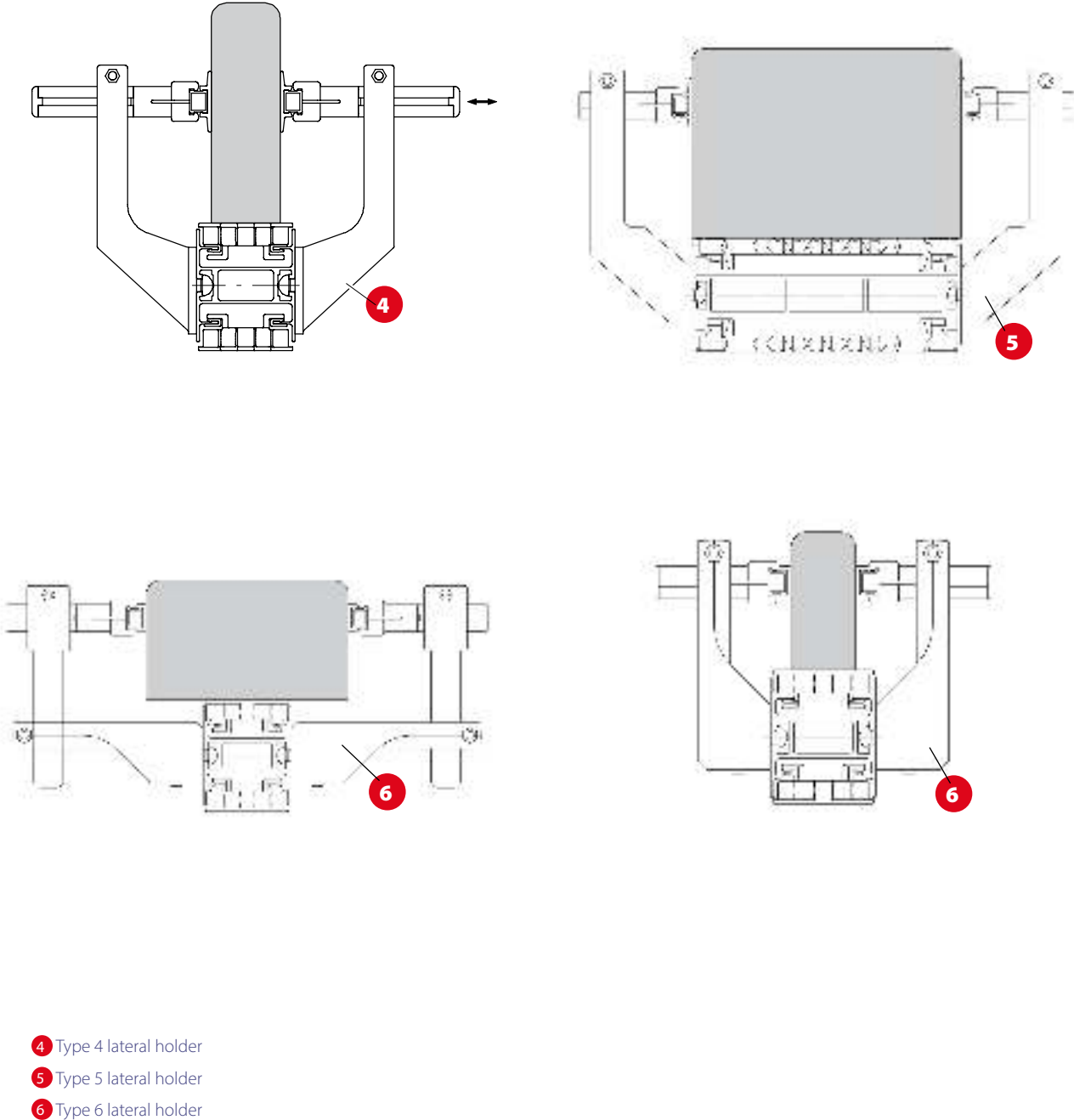
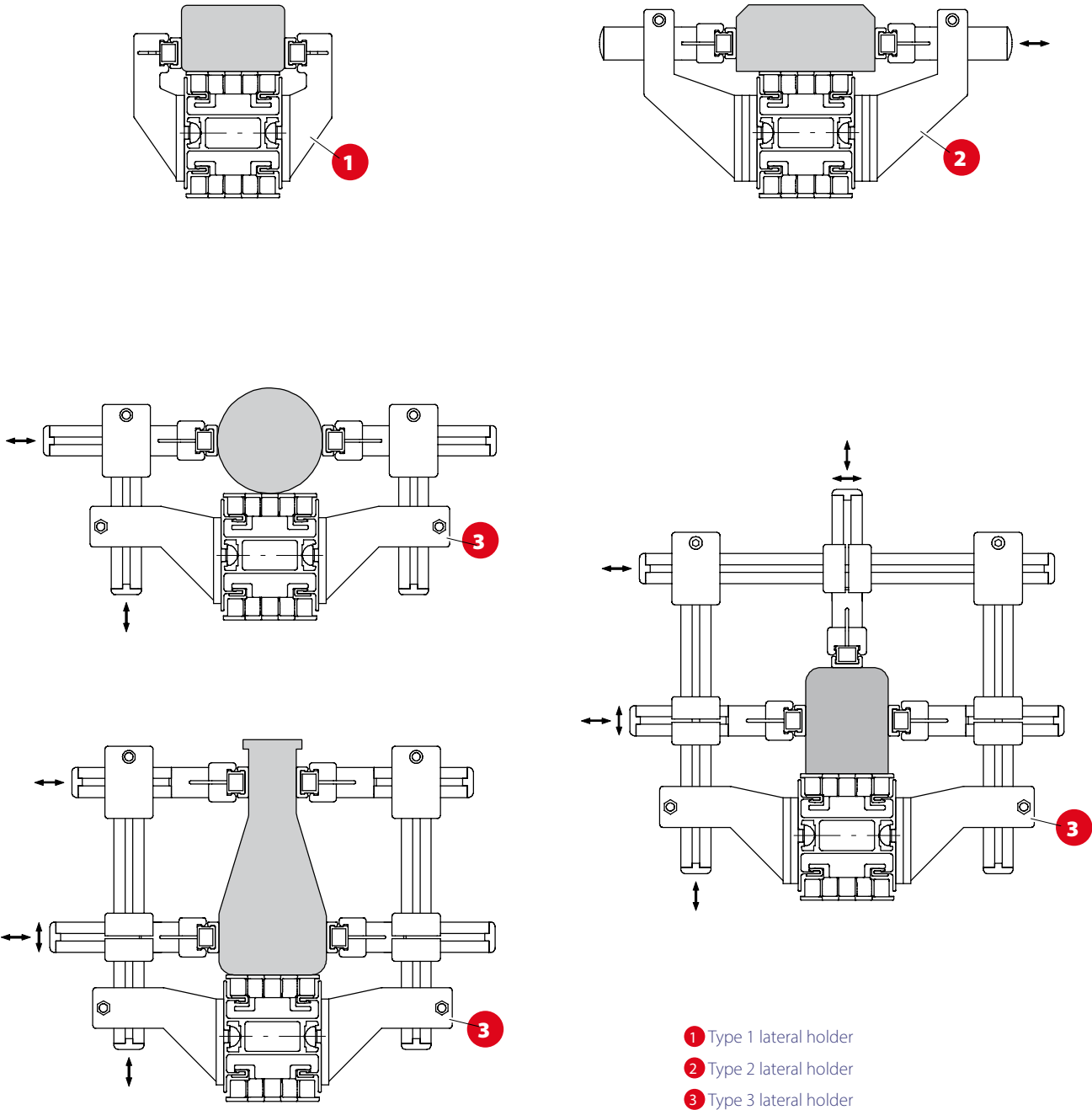


Drive pitch diameter



The diagrams show examples of the way in which different railing components can be combined. Arrow indicate adjustment capabilities.

The diagrams show examples of the way in which different railing components can be combined. Arrow indicate adjustment capabilities.





- Railing profiles for lateral guidance of the item being conveyed.
- Push-on strip in two widths for minimising friction between railing and item conveyed.
- Push on strips overlap the Aluminium railing profile.
- When accumulating products in horizontal curves we suggest round 22 Aluminium as bare minimum.

Railing profiles



Railing profiles

Lateral holders



Joint



Lateral holder



Profiles/accessories

Clamps

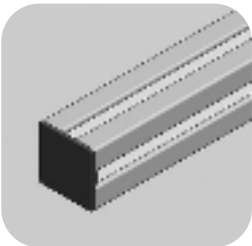


Assembled profile clamps

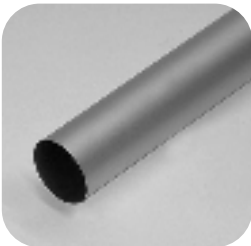
Profiles



Head clamp



MS 20+ L - 20x20 profile

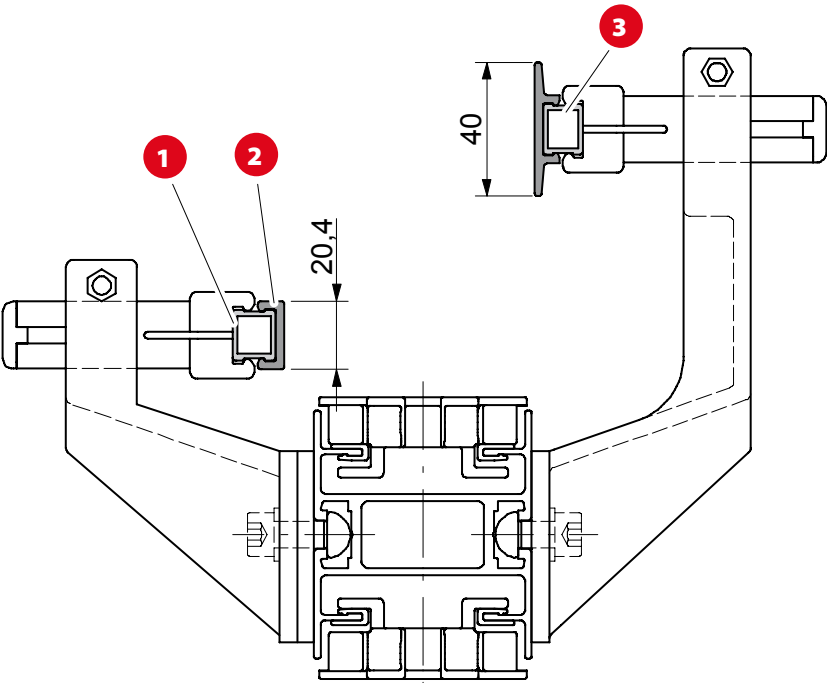


Ø22x1.5 M5 profile

Accessories



Clamping lever/
star grip



- 1 Railing profile
- 2 Push-on strip 20
- 3 Push-on strip 40

	PROD.NO.			
Railing profile, aluminium	J924 166	6,0	EN AW-6060 T68	E6/EV1 anodised finish
Railing profile, aluminium Ø22x1,5	794001	6,0	EN AW-6060 T68	E6/EV1 anodised finish
Railing profile, plastic	J650 008	6,0	PE 500	grey
Push-on strip 20, antistatic	J650 006	6,0	PE 500	black
Push-on strip 40, antistatic	J650 033	6,0	PE 500	black

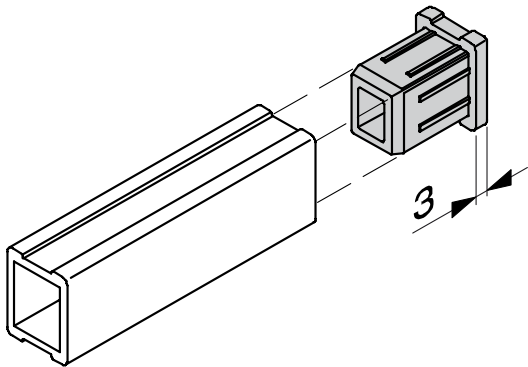
CS RAILING PROFILES
Railing profiles



Cover cap

• Cover cap for standard square aluminium and plastic railing profiles:
J924166(alu) - J650008 (plastic).

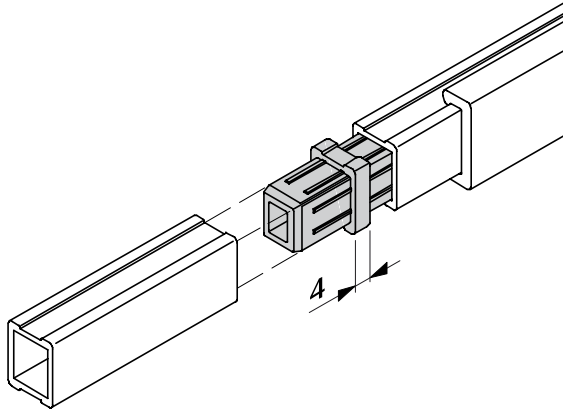
	PROD.NO.			
Square railing cover cap	J537 083	10	PP	black



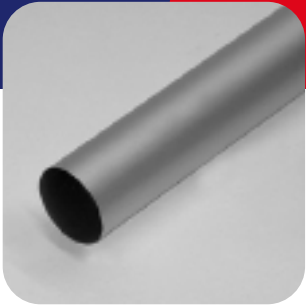
Joint

• Connecting joint for square railing profiles.

	PROD.NO.			
Joint square railing profile	J537 115	10	PP	black



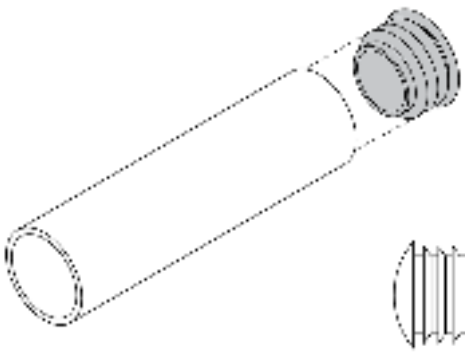
CS RAILING PROFILES
Railing profiles



Cover cap

• Connecting joint for standard round 22 aluminium railing profile 794001.

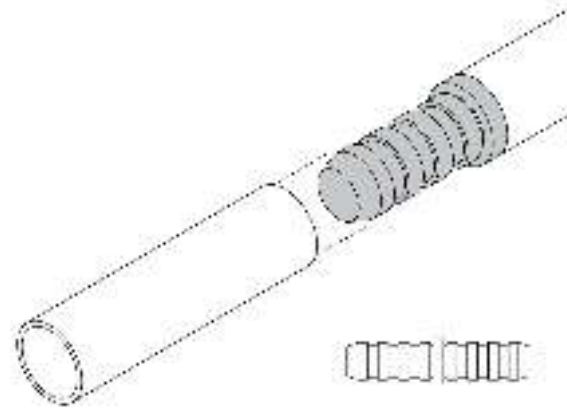
	PROD.NO.			
Cover cap Ø22	J927 785	20	PA-GF	black



Connecting joint for square railing profiles

• Connecting joint for standard round 22 aluminium railing profiles.

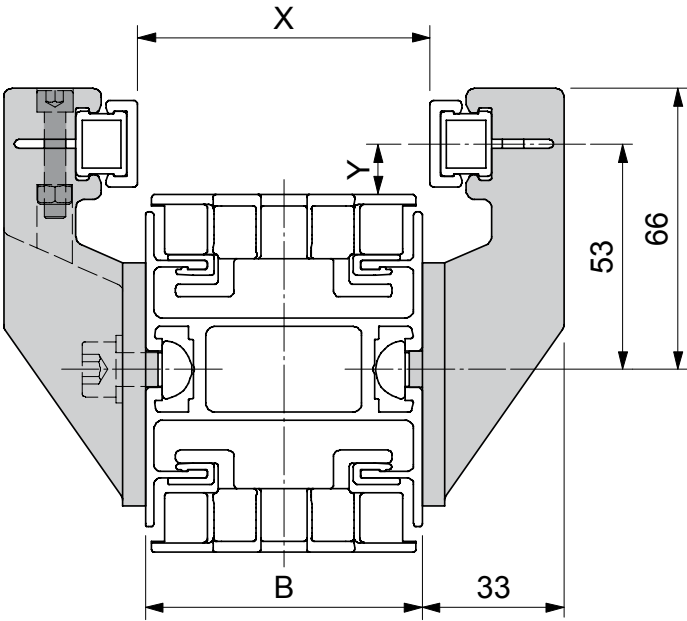
	PROD.NO.			
Round 22 railing connector	793002	10	PP	black



Type 1

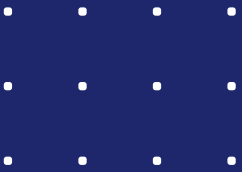


- Lateral holder with fixed guide width and height.
- Grooved pegs for simple alignment on guide profiles.
- Seating for square railing profiles.



		B [mm]	X [mm]	Y [mm]
FS CS065SL		65	64	12
FS CS090SL		90	89	11
FS CS200SL		200	199	11

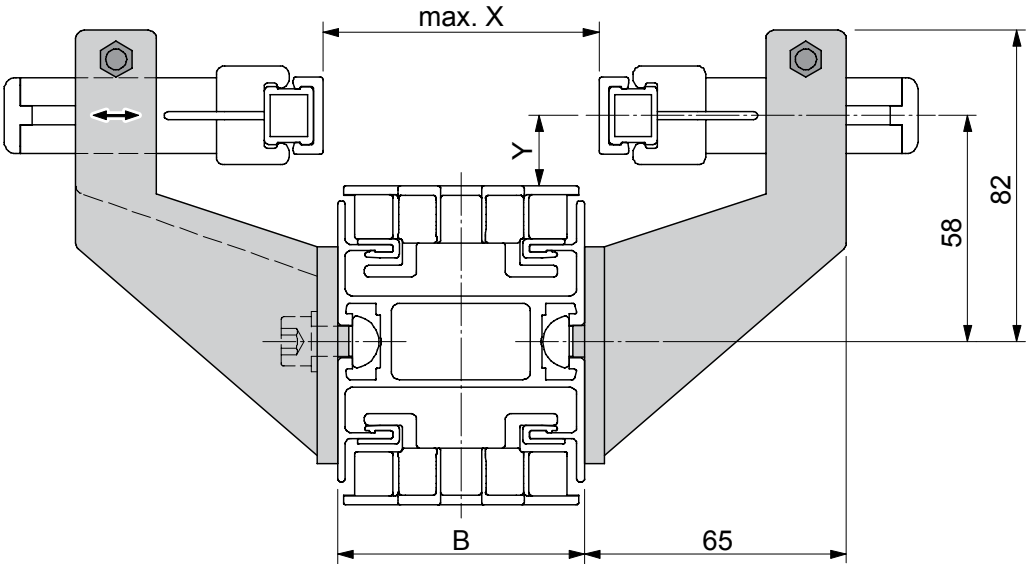
	PROD.NO.			
Lateral holder type 1	J537 079	1	PA-GF	black



Type 2



- Lateral holder with variable guide width.
- Grooved pegs for simple alignment on guide profile.
- Seating for 20x20 mm square profile and Ø22 mm round profile.



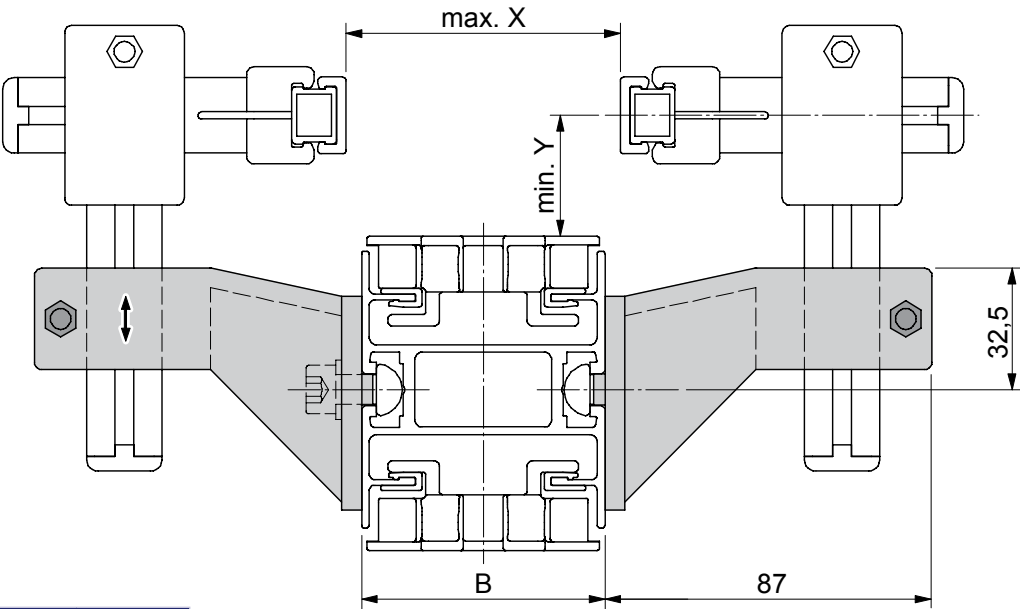
		B [mm]	X [mm]	Y [mm]
FS CS065SL		65	106	17
FS CS090SL		90	131	16
FS CS200SL		200	241	16

	PROD.NO.			
Lateral holder type 2	J537 080	1	PA-GF	black

Type 3



- Lateral holder for variable guide height.
- Grooved pegs for simple alignment on guide profile.
- Seating for 20x20 mm square profile and Ø22 mm round profile.



		B [mm]	X [mm]	Y [mm]
FS CS065SL		65	102	15
FS CS090SL		90	127	14
FS CS200SL		200	237	15

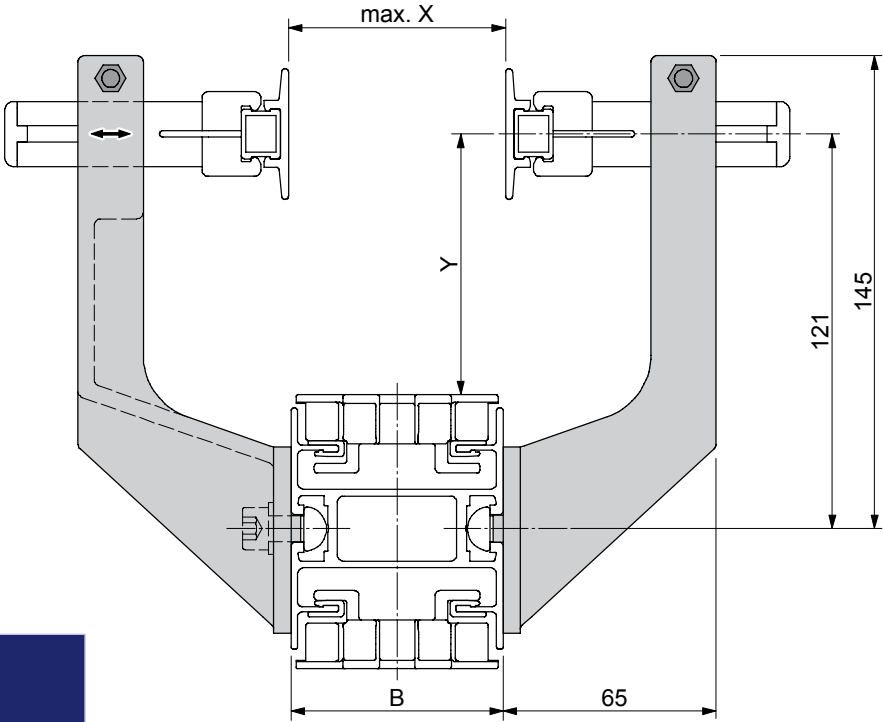
	PROD.NO.			
Lateral holder type 3	J537 081	1	PA-GF	black

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Type 4



- Lateral holder with variable guide height.
- Grooved pegs for simple alignment on guide profile.
- Seating for 20x20 mm square profile and Ø22 mm round profile.



		B [mm]	X [mm]	Y [mm]
FS CS065SL		65	102	80
FS CS090SL		90	127	79
FS CS200SL		200	237	79

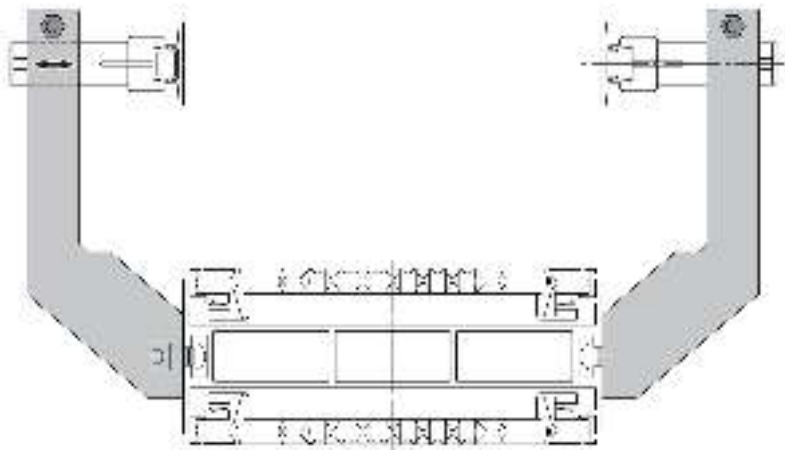
	PROD.NO.			
Lateral holder type 4	J537 089	1	PA-GF	black

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CS RAILING LATERAL HOLDERS
Type 5

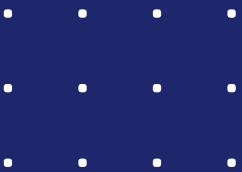


- Lateral holder with variable guide height.
- Grooved pegs for simple alignment on guide profile.
- Suitable for 20x20 mm square profile and Ø22 mm round profile.
- Possibility to integrate photocell and reflector



		B [mm]	X [mm]	Y [mm]
FS CS065SL		65	112	99
FS CS090SL		90	137	99
FS CS200SL		200	247	99

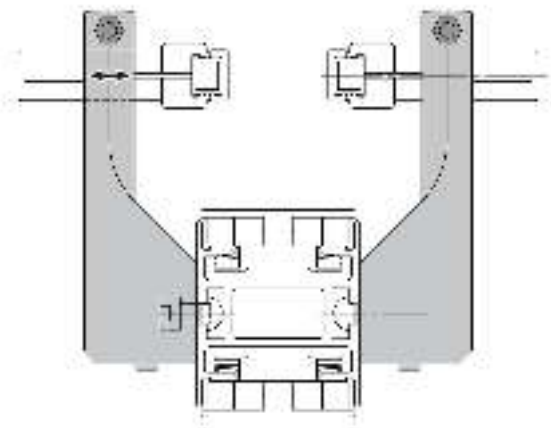
	PROD.NO.			
Lateral holder type 5	791001	1	PA-GF	black



CS RAILING LATERAL HOLDERS
Type 6



- Lateral holder with variable guide height.
- Grooved pegs for simple alignment on guide profile.
- Suitable for 20x20 mm square profile and Ø22 mm round profile.
- Can be mounted horizontally as well as vertically

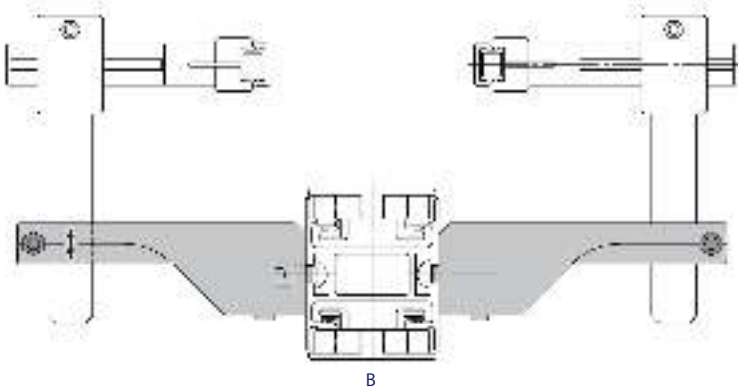


Vertical

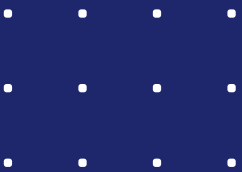
		B [mm]	X [mm]	Y [mm]
FS CS065SL		65	62	54
FS CS090SL		90	87	54
FS CS200SL		200	197	54

Horizontal

		B [mm]	X [mm]	Y [mm]
FS CS065SL		65	210	0
FS CS090SL		90	235	0
FS CS200SL		200	345	0



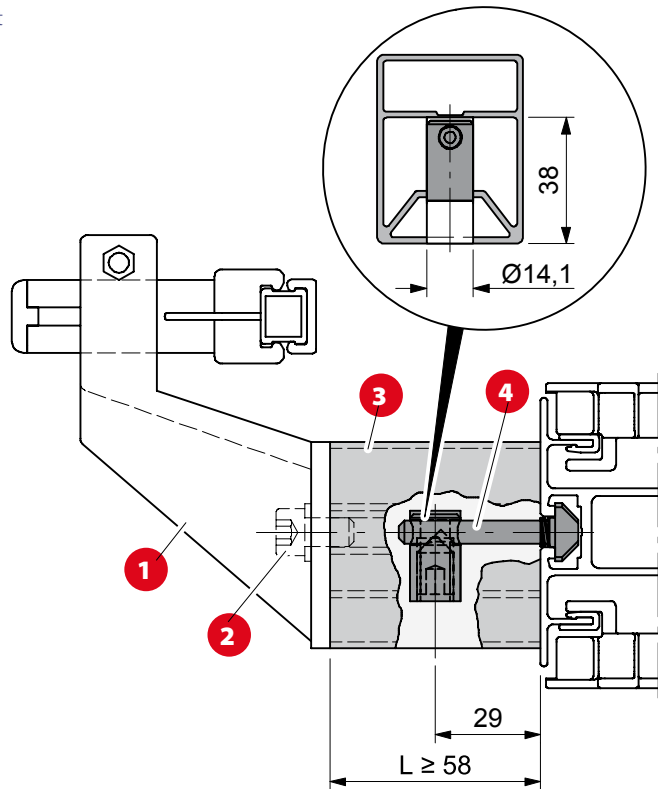
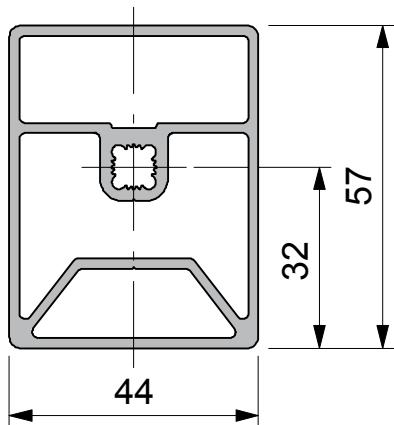
	PROD.NO.			
Lateral holder type 6	791011	1	PA-GF	black



CS RAILING LATERAL HOLDERS
Spacer profiles



- Spacer profiles for expanding guide width.
- Suitable for lateral holders, type 1, 2, 3, 4. Other types use 40x40 L profile open/closed.
- Two fixed lengths or customised assembly from the profile.
- Mounted by means of fixing kit comprising (4 each):
 - M6x20 socket head cap bolts
 - M6 washer
 - Central joint, outside joint



		PROD.NO.	
Spacer profile, fully assembled	58 mm	J927 416	1
	100 mm	J927 417	

Attention
Type 6 lateral holder has a 40x40L spacer profile

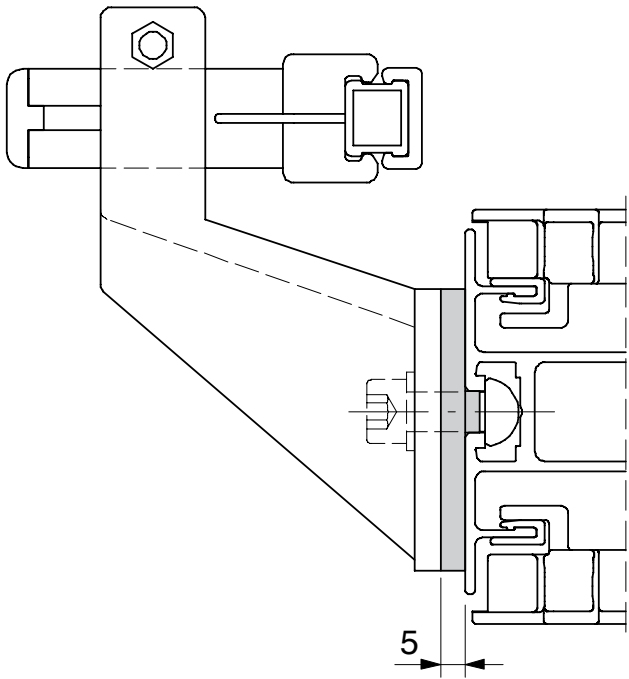
- ➊ Lateral holder
- ➋ Socket head cap bolt
- ➌ Spacer profile
- ➍ Central joint

	PROD.NO.			
Spacer profile	J924 178	6,0 m	EN AW-6060 T68	E6/EV1 anodised finish
Cutting to length	J924 968	1		
Fixing kit	J927 783	4	steel	galvanised

CS RAILING LATERAL HOLDERS
Spacer



- Spacer for expanding guide width.
- Suitable for lateral holders type 1, 2, 3, 4 MS+.
- Grooved pegs for easy installation.
- Spacer plates can be stacked

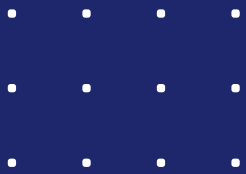
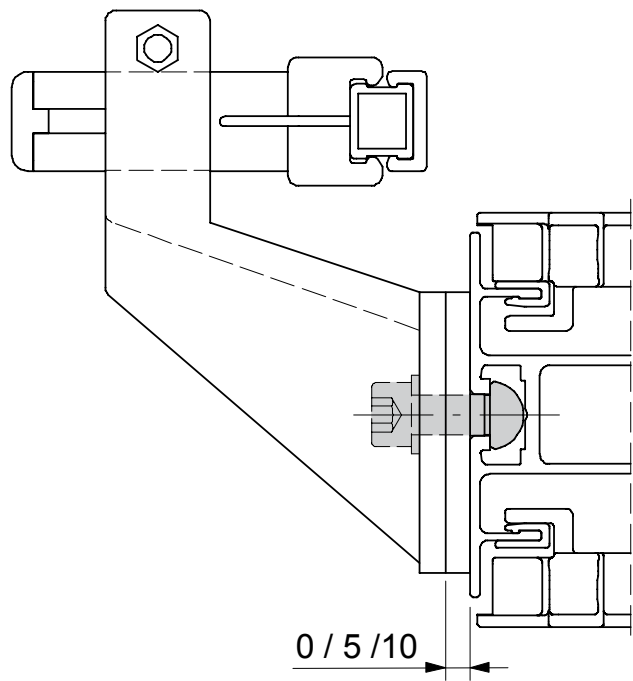


	PROD.NO.			
Spacer plate, 5 mm	J537 082	1	PA-GF	black

Fixing kits



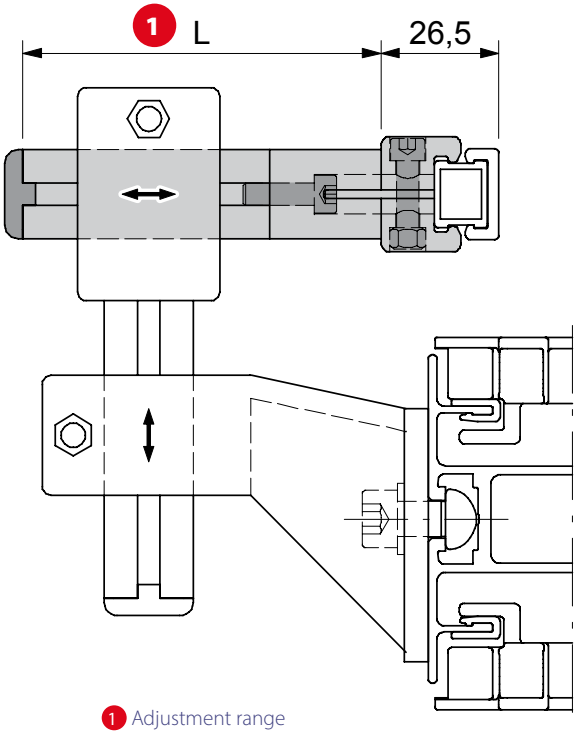
- Fixing kit for mounting lateral holders to the guide profile.
- Select kit according to number of spacers used.
- Includes:
 - 10x M8 socket head cap bolts
 - 10x plain M8 washers
 - 10x M8 steel T-slot blocks



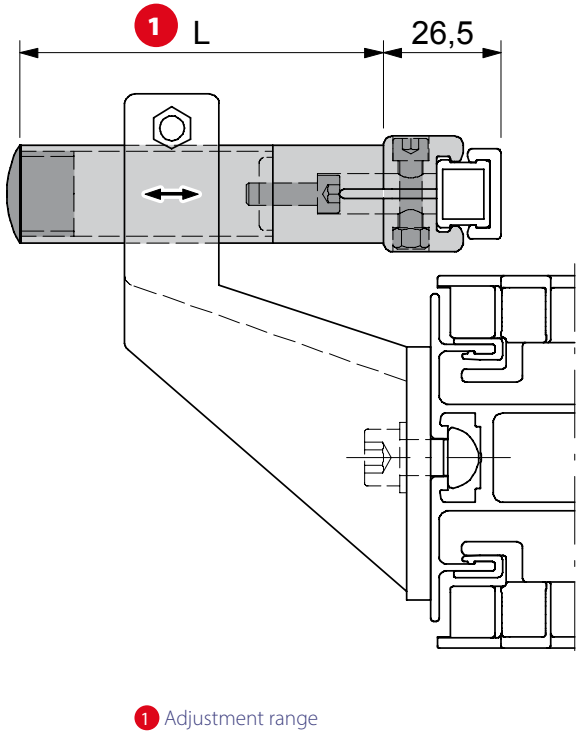
Assembled profile clamps



- Assembled profile clamp for the railing profile.
- Two types:
 - 20x20 mm square profile: system grooves provides the means to install accessories.
 - Ø22x1.5 mm round profile: closed design reduces dirt accumulation.
- Adjustment range: 55, 100 or 150 mm.
- The components used to make up the assembled profile clamps are also available on their own.
- Including pre-mounted M5 fixing materials



1 Adjustment range



1 Adjustment range

	PROD.NO.			
Fixing kit, standard (0 mm)	J927 780	10	steel	galvanised
Fixing kit, 5 mm	J927 781	10	steel	galvanised
Fixing kit, 10 mm	J927 782	10	steel	galvanised
M6 T-slot nut	TCAN 6 Q100	10	steel	galvanised
M8 T-slot nut	TCAN 8 Q100	10	steel	galvanised

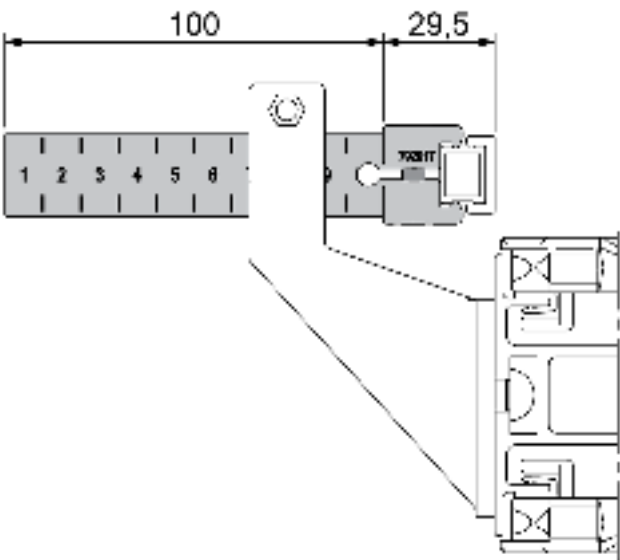
			PROD.NO.	
Profile clamp, fully assembled	20x20 square profile	55 mm	J927 686	2
		100 mm	J927 688	
		150 mm	J929 323	
	Ø22x1.5 round profile	55 mm	J927 689	2
		100 mm	J927 691	
		150 mm	J929 324	

CS RAILING CLAMPS

Assembled profile clamps



- Solid profile clamp for the railing profile
- Including pre-mounted M6 fastening materials



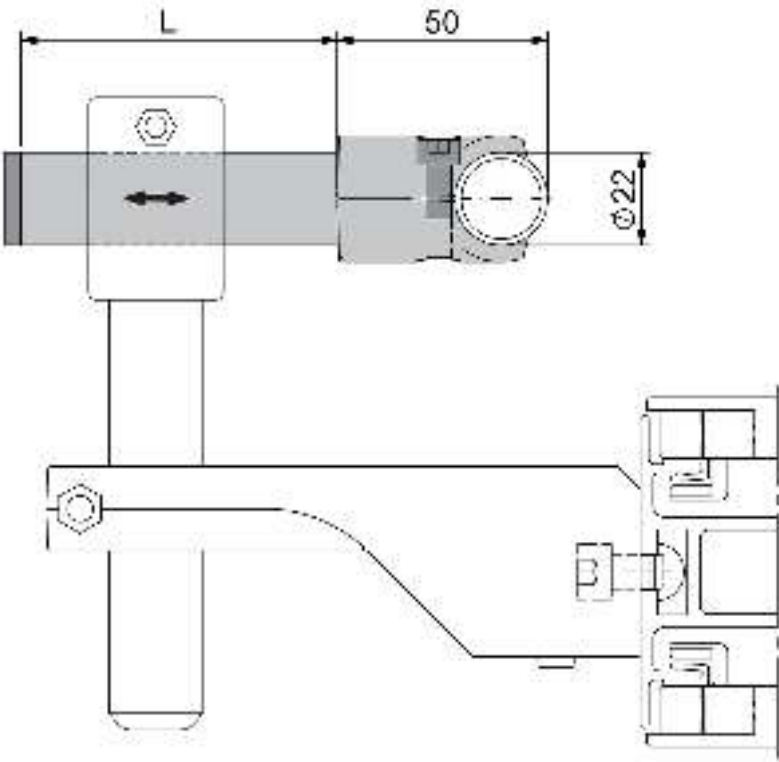
	PROD.NO.				
Profile clamp	792017	1	100 mm	PA-GF	black

CS RAILING CLAMPS

Assembled profile clamps



- Assembled profile clamp for the railing profile.
- Two types:
 - 20x20 mm square profile: system grooves provides the means to install accessories.
 - Ø22x1.5 mm round profile: closed design reduces dirt accumulation.
- Adjustment range: 75, 100 or 125 mm.
- The components used to make up the assembled profile clamps are also available on their own.
- Including pre-mounted M5 fixing materials



			PROD.NO.	
Profile clamp, fully assembled	Ø22x1,5	75 mm	792003	1
		100 mm	792004	
		125 mm	792005	

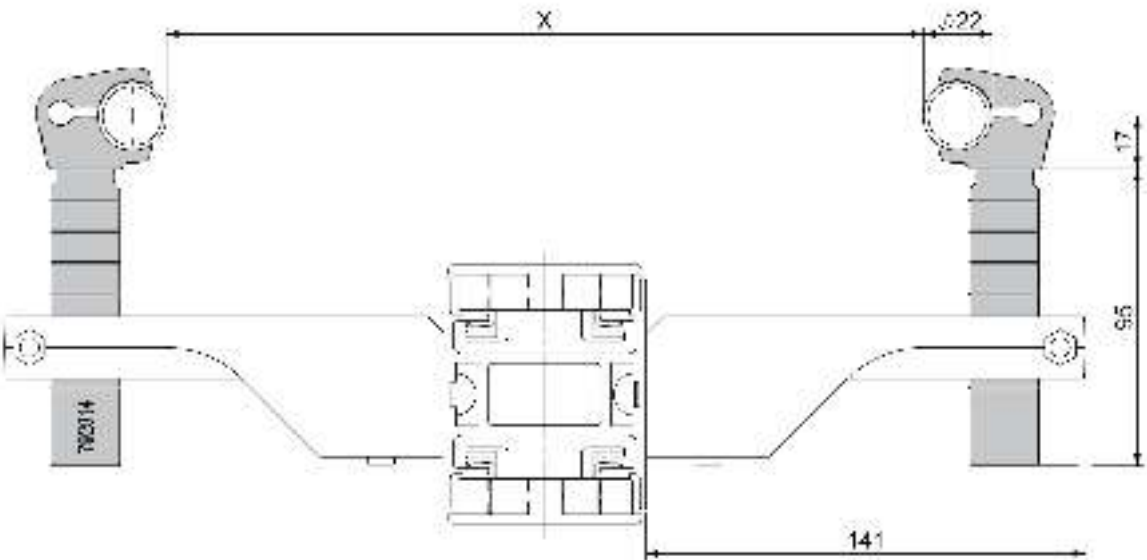
* custom lengths on request

CS RAILING CLAMPS

Assembled profile clamps



- Solid profile clamp for round 22 alu railing profile (794001)
- Ø22x1.5 mm round profile: closed design reduces dirt accumulation.
- Including pre-mounted M6 fastening materials



		
	B [mm]	X [mm]
FS CS065SL	65	243
FS CS090SL	90	268
FS CS200SL	200	378

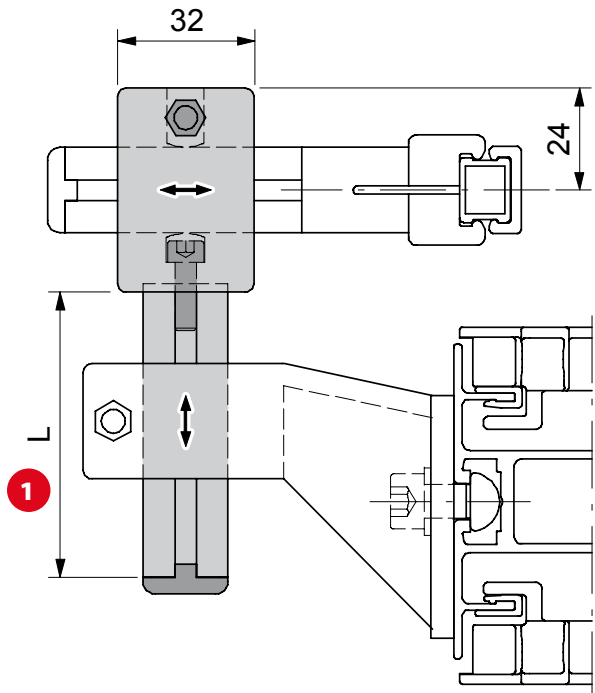
	PROD.NO.				
Profile clamp, Ø22	792014	1	95 mm	PA-GF	black

CS RAILING CLAMPS

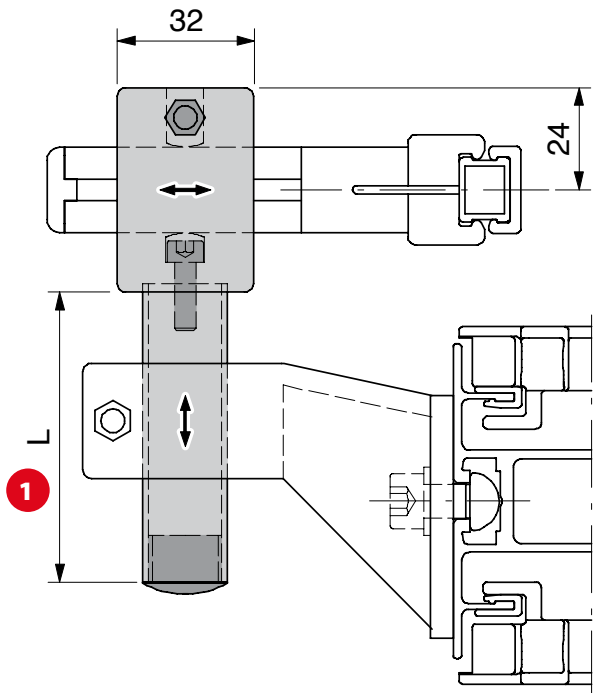
Assembled head clamp



- Assembled profile clamp for the railing profile.
- Available types:
 - 20x20 mm square profile: system grooves provides the means to install accessories.
 - Ø22x1.5 mm round profile: closed design reduces dirt accumulation.
- Adjustment range: 100 or 200 mm.
- The components used to make up the assembled profile clamps are also available individually.
- Including pre-mounted M5 fixing materials.



1 Adjustment range



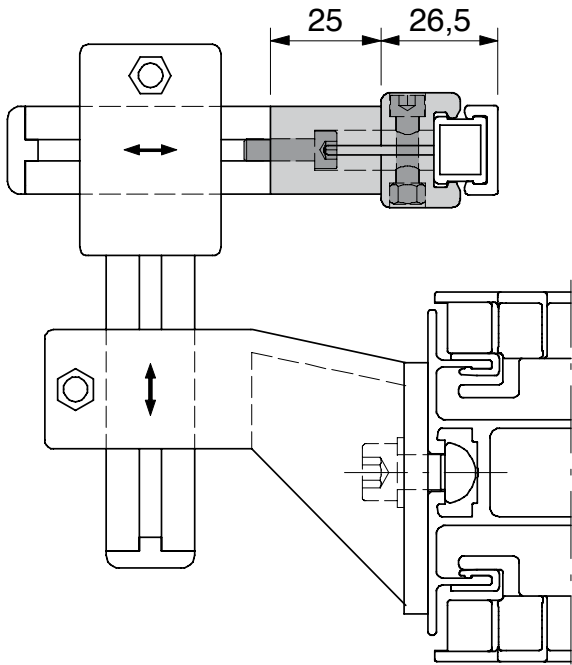
1 Adjustment range

			PROD.NO.	
Head clamp, fully assembled	20x20 square profile	100 mm	J927 694	2
		200 mm	J927 695	
	Ø22x1.5 round profile	100 mm	J927 692	2
		200 mm	J927 693	

CS RAILING CLAMPS
Profile clamps

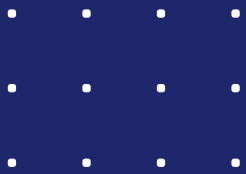


- Profile clamp for the railing profile.
- Two types with seating for:
 - 20x20 mm square profile: system grooves provides the means to install accessories.
 - Ø22x1.5 mm round profile: closed design reduces dirt accumulation.
- Clamp is fastened to the profile with pre-mounted M5 bolt.
- Grooved pegs prevent the clamp from turning.



	PROD.NO.				
Head clamp	J537076	20x20 square profile	1	PA-GF	black
	J537098	Ø22x1.5 round profile	1	PA-GF	black

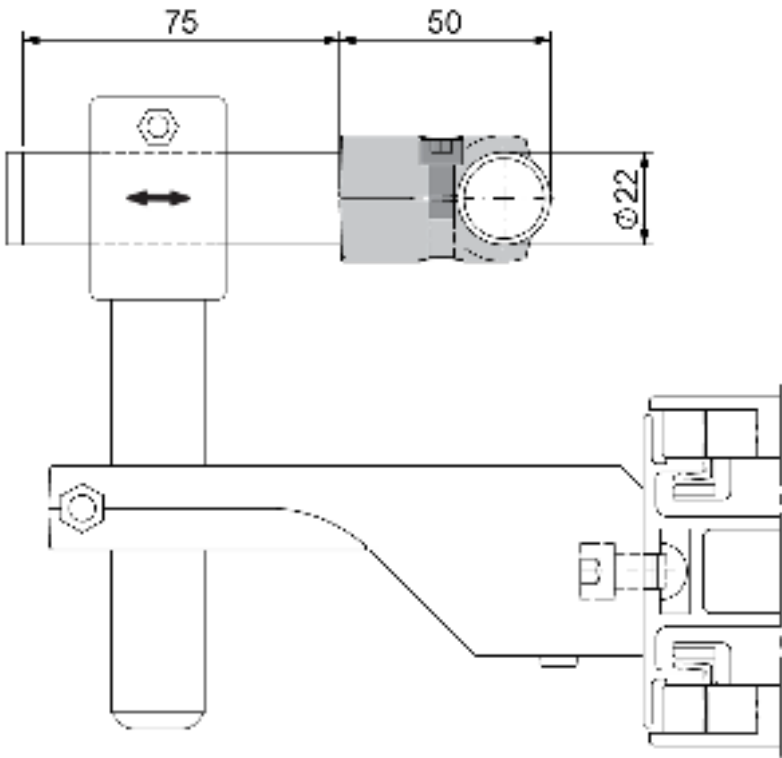
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CS RAILING CLAMPS
Profile clamps



- Profile clamp for the railing profile.
- Two types with seating for:
 - 20x20 mm square profile: system grooves provides the means to install accessories.
 - Ø22x1.5 mm round profile: closed design reduces dirt accumulation.
- Clamp is fastened to the profile with the pre-mounted M5 bolt.
- Grooved pegs prevent clamp from turning.



	PROD.NO.			
Head clamp	792 002	1	PA-GF	black

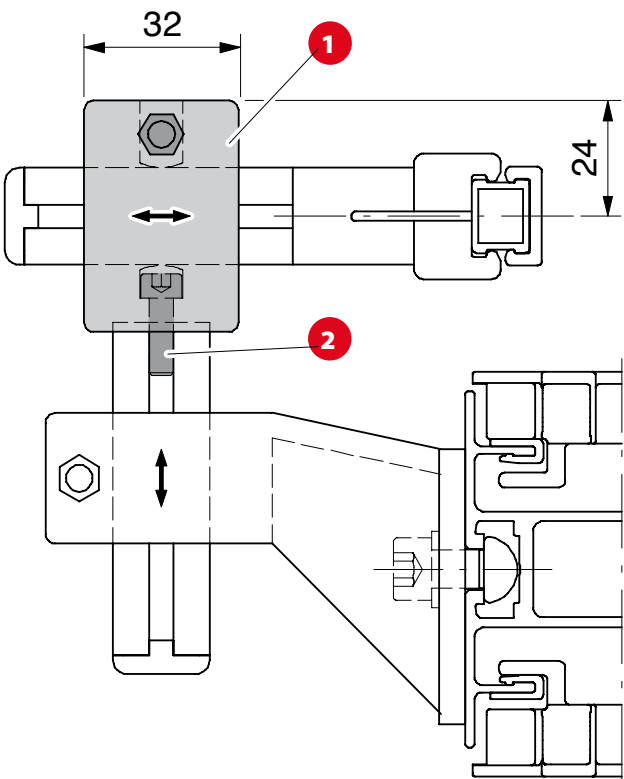
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CS RAILING CLAMPS

Profile clamps



- Assembled profile clamp for the railing profile.
- Available types:
 - 20x20 mm square profile: system grooves provides the means to install accessories.
 - Ø22x1.5 mm round profile: closed design reduces dirt accumulation.
- Adjustment range: 100 or 200 mm.
- The components used to make up the assembled head clamps are also available individually.
- Including pre-mounted M5 fixing materials



- 1 Head clamp
- 2 M5 bolt

	PROD.NO.			
Head clamp	J537 078	1	PA-GF	black

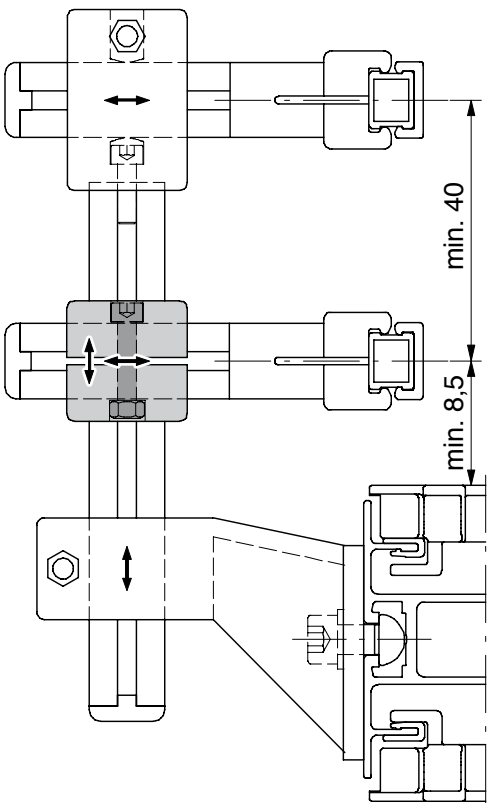
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CS RAILING CLAMPS

Cross clamp



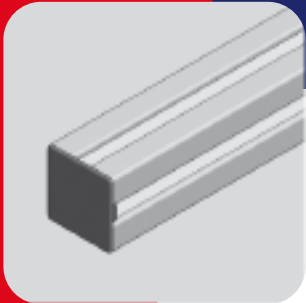
- Cross clamp create a second railing level.
- Suitable for 20x20 square profile or Ø22x1.5 round profile.
- Can be positioned at any point on the vertical profile (height adjustment).
- Width adjustment: the horizontal profile is adjusted and clamped in place.
- Including pre-mounted M5 fixing materials.



	PROD.NO.			
Cross clamp	J537 077	1	PA-GF	black

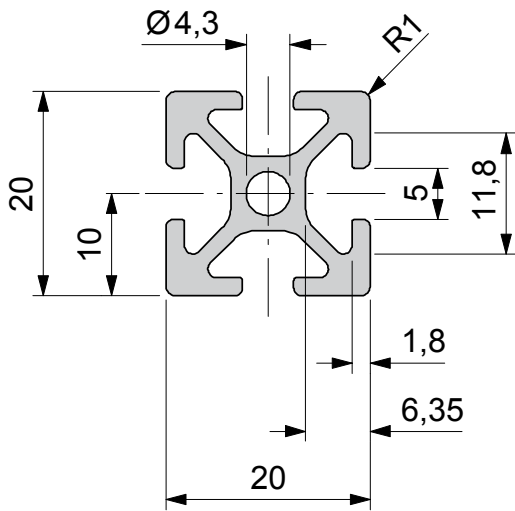
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CS RAILING CLAMP PROFILES
MS 20+ L - 20x20 profile

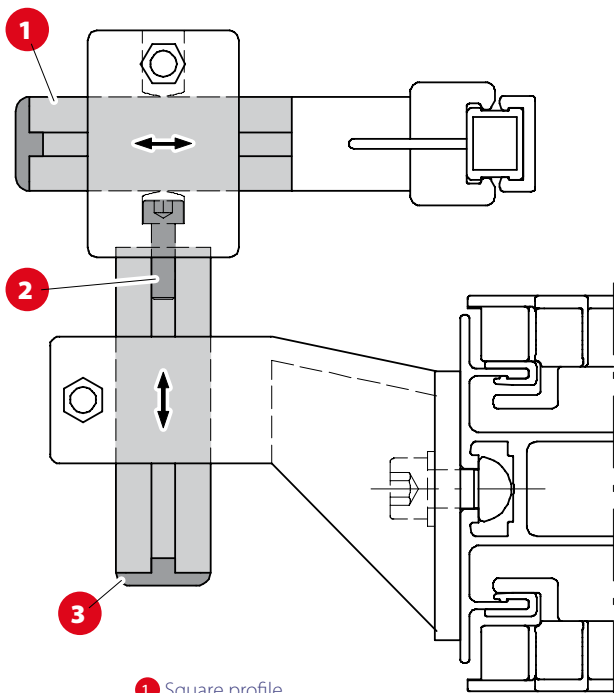


- Used for width and height adjustment.
- System grooves provides the means to install accessories.
- Profile is clamped in place or fastened to the clamp with the pre-mounted M5 bolt.
- Push-on cover cap, 2 mm high.

Cross section



Example application



- 1 Square profile
- 2 M5 bolt
- 3 Cover cap

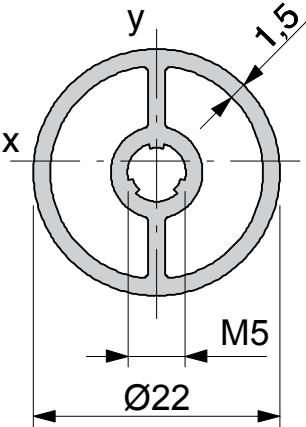
		PROD.NO.			
	Profile, MS 20+ L - 20 x 20	J924 017	6,0 m	EN AW-6060 T68	E6/EV1 anodised finish
	Cover cap, MS 20+ - 20 x 20	J537 416	10	PA6-GB30	black (similar to RAL 9005)
	Cutting to length	J924 968	1		

CS RAILING CLAMP PROFILES
Ø22X1.5 M5 profile

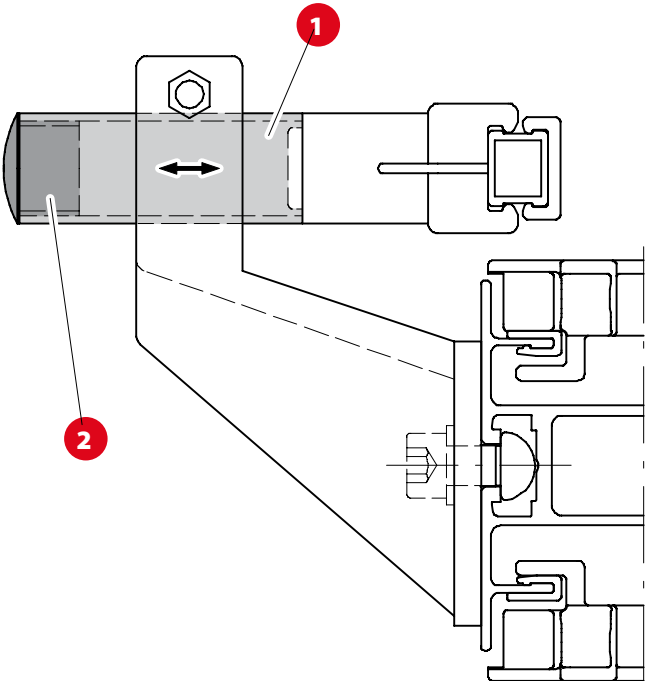


- Used for width and height adjustment.
- Closed design reduces dirt accumulation.
- Profile is clamped in place or fastened to the clamp with the pre-mounted M5 bolt.
- Push-on cover cap, 3 mm high.

Cross section



Example application



- 1 Round profile
- 2 Cover cap

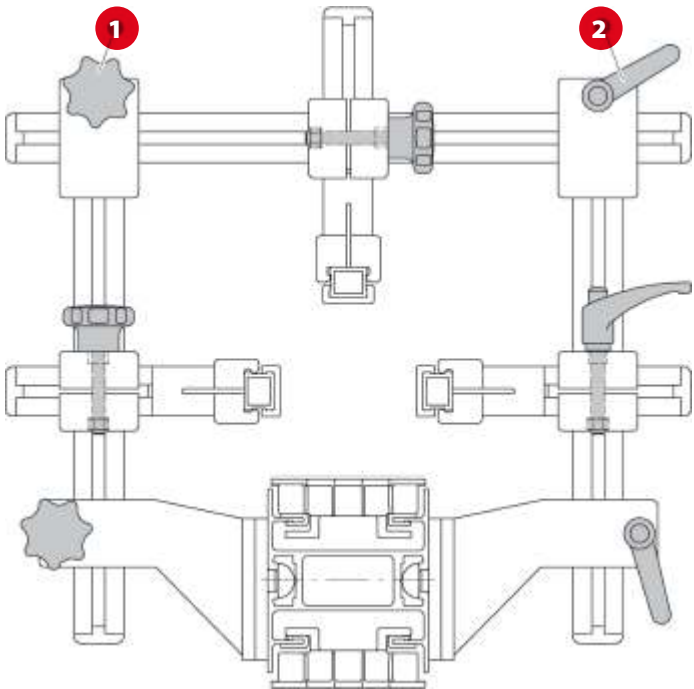
		PROD.NO.			
	Profile, Ø22 x 1.5	J924 176	6,0 m	EN AW-6060 T68	E6/EV1 anodised finish
	Cover cap, Ø22	J927 785	20	PA-GF	black
	Cutting to length	J924 968	1		

CS RAILING
Accessories



Clamping lever/star grip

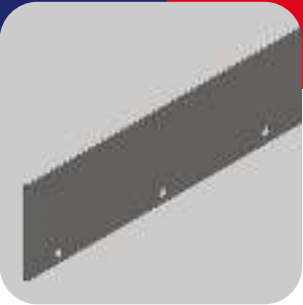
- Clamping lever and star grip for easy railing adjustment without the need for tools.
- Can be used for all lateral holders and clamps. Clamping lever not suitable for type 4 lateral holders.
- Mounting: the pre-mounted socket head cap bolt is simply exchanged for the clamping lever or star grip.



- 1 Star grip
- 2 Clamping lever

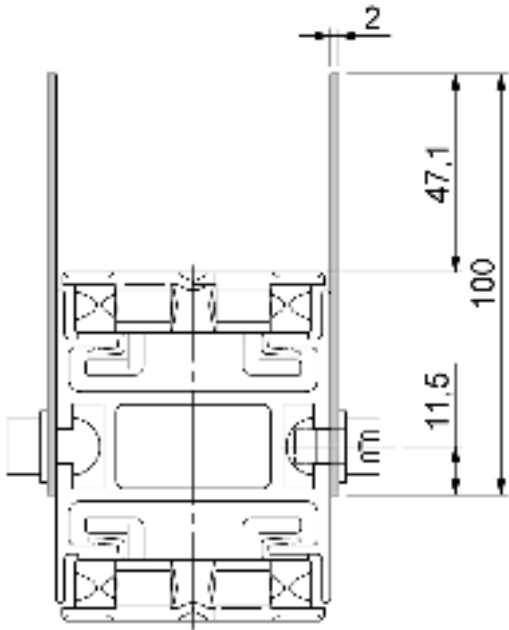
	PROD.NO.	
Clamping lever M5	J537 151	1
Star grip M5	J537 152	1

CS RAILING
Others



Side guide plates

- Low-cost guide option
- Fixing holes: Ø7 mm spaced apart at 100 mm intervals
- Mount to the guide profile through lateral profile groove using socket head cap screws and T-slot blocks
- Fastening material not included



	PROD.NO.			
Side guide plate	J924 859	4x 2,5 m	stainless steel	natural
M8 screwed joint, 12 mm	TCSJ 8 A	10	steel, galvanised	



Other FS Solutions conveyor systems
Including standard components,
application solutions and
aluminium profile systems



Mat-Top Conveyor aluminium or INOX, straight transport

- Chain widths from 160 up to 1200 mm
- Different designs: horizontal-, incline and/or decline Z-shaped
- Small chain pitch



Mat-Top Conveyor aluminium or INOX, straight and curved transport

- Chain widths from 232 up to 631 mm
- 3-dimensional transport
- Low maintenance



STRETCH_LINE Conveyor

- Chain widths from 65 up to 200 mm
- 3-dimensional transport
- Low maintenance



Belt Conveyor aluminium or INOX, straight transport

- Belt widths from 80 up to 1200 mm
- Direct or center drive
- Drum- or drive motor



Chain Conveyor CS VC INOX

- Chain width 82 and 114 mm
- Direct- or center drive
- Suited for high hygiene requirements



Heavy XLBP Mat-Top conveyor aluminium

- Chain widths from 255 up to 765 mm
- Very low friction between chain and product (less damage to products)
- Low tension in the chain ensures a clear energy saving



Mat-Top conveyor aluminium, straight transport Nose bar

- Chain widths from 152 up to 1066 mm
- Small nose transition
- Transition band: easy to deploy between 2 systems
- Chain pitch 8 mm



Standard components

- Pusher, cross-over, divider
- Transitions between conveyors
- Puck handling, shielding etc.



Application solutions

- Buffer tables
- Vertical transport systems, gripper systems
- Sorter systems, flow splitters etc.



Aluminium profile system

- Wide assortment
- Robust and corrosion resistant
- Simple and flexible assembly

Applications from everyday practice

The innovative solutions provided by CS Conveyor systems guarantee a rational flow of materials in production – also where high demands are placed on speed, noise emissions, servicing and maintenance.

Take advantage of our expertise that has grown over many years. We are your innovative developer and reliable supplier of standardised and customised applications.

Automotive industry, FS CS065SL



Food industry, FS CS090SL



Cosmetics industry, FS CS090SL

Applications from everyday practice



Automotive industry, FS CS200SL

Pharma industry, FS CS065SL



Food industry: Filling, FS CS065SL



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