

CATALOGUE OF FITTINGS

ECO SLIDE CO



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1 About this catalogue

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1 About this catalogue

1.1 Producer

SIEGENIA-AUBI KG
Industriestraße 1 – 3
57234 Wilnsdorf
Germany

You can find the addresses of our worldwide locations here: siegenia.com/company/locations

Entry in Commercial Register:

- Registry court: Siegen district court
- Register number: HRA 3741

1.2 Target group

This information is intended for producers of construction elements, fitters and retrofitters.

Producers of construction elements are considered to be all those who perform the following activities:

- fabricate SIEGENIA products in window elements or door elements

Fitters and retrofitters include all persons who carry out the following activities:

- SIEGENIA install and repair products in a building project
- install and repair window elements or door elements that are equipped with SIEGENIA products in a building project
- retrofit window elements or door elements with SIEGENIA products

1.3 Other relevant information

Note the following other relevant information prior to product selection.

- Directive "Hardware for windows and patio doors – Specifications/notes on the product and on liability (VHBH)" from the Quality Association for Locks and Fittings (Gütegemeinschaft Schlösser und Beschläge e. V.)

guetegemeinschaft-schloss-beschlag.de/Pruefen-Zertifizieren/Richtlinien/VHBH



- Information from the profile manufacturers
- DIN ISO 2768-1:1991-06 General tolerances

1.4 Safety

1.4.1 Designated use

PORTAL ECO SLIDE CO is a hardware system that allows the horizontal opening and closing of sliding sashes of windows and patio doors.

- PORTAL fittings are suitable for installation in sliding windows and sliding doors made of timber, PVC and aluminium.
- The hardware products are intended for use in vertically installed windows or doors.

- The hardware products are intended for use in windows and doors in permanent buildings.
- Only use the hardware products for windows and patio doors that are equipped with a drainage system. If there is no drainage system, only use the hardware products under weather-protected conditions.

1.4.2 Requirements for the target groups

We assume and require that producers of construction elements possess the following knowledge and skills:

- knowledge of the regulations concerning occupational safety and accident prevention
- comprehension of technical correlations based on the latest scientific and technological knowledge
- knowledge of professional work steps
- knowledge of the applicable standards and directives
- knowledge of applicable testing regulations
- knowledge and skills relating to the processing of the respective material (timber, PVC, aluminium)
- knowledge and skills relating to the professional use of tools, machines and systems for the production of window or door elements
- knowledge and skills relating to the professional fixing of technical elements
- knowledge of the functional testing and operation of window or door elements
- knowledge of the requirements of profile system providers

SIEGENIA provides training to enable you to acquire some of the knowledge and skills needed. Contact your SIEGENIA sales consultant if this is required.

We assume and require that fitters and retrofitters possess the following knowledge and skills:

- knowledge of the regulations concerning occupational safety and accident prevention
- comprehension of technical correlations based on the latest scientific and technological knowledge
- knowledge of professional work steps
- knowledge of the applicable standards and directives
- knowledge and skills relating to the professional use of electrical and mechanical tools
- knowledge and skills relating to the professional fixing of technical elements
- knowledge and skills relating to the retrofitting of mechanical security technology on window or door elements

SIEGENIA provides training to enable you to acquire some of the knowledge and skills needed. Contact your SIEGENIA sales consultant if this is required.

1.4.3 Safety notes**Danger of window sash falling out due to improper operation**

An additional weight load of the window sash strains the bearing components excessively. Bearing components could break. The window sash could fall out and cause severe injuries.

- Do not load the sash additionally.

Danger of sliding sash falling out due to damaged guiding or running rail

If the guiding rail or running rail is damaged, the sliding sash could become detached from out of the guide. The window sash could fall out and cause life-threatening injuries.

- Secure the sliding sash against falling out of the running rail during transport.
- Ensure that the bogie wheels are guided over the entire sliding track on the running rail.
- Ensure that the guiding elements interlock completely along the entire sliding distance in the guide track.

Risk of injury from using unsuitable hardware components

Hardware components which do not comply with SIEGENIA requirements can impair the safety of the entire hardware and lead to accidents, e.g. as a result of window sashes falling out.

- Your complete set of hardware should be composed solely of SIEGENIA hardware components.

1.5 Explanation of the material numbers

example														
P	M	Z	B	0	1	5	0	-	1	0	0	0	1	0
Digit														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Product group	Assembly			Article counter			DIN direction		Surface	Colour	Packaging unit		Index	

Digit 1	Product group
A	A300
B	BASICline
C	Casement
D	KFV (door)
F	FAVORIT
G	DRIVE (building technology)
K	Small parts
L	AERO (ventilation technology)
M	ALU
N	Subsidiary offices
P	PORTAL
T	TITAN
U	SASS
V	Packaging
Z	Accessories
P	PORTAL

Digits 2-4	Assembly
A..	Jig
B..	Hinge-side parts
D..	Seal, distance piece
E..	Corner drives, locking bolts, locking part
F..	Sash parts
G..	Gear
H..	Handle
K..	Cover caps
L..	Bogie wheels
M..	Mixed packages
P..	Profiles/PORTAL profile sets
R..	Frame parts
S..	Stays
U..	Monitoring (Aerocontrol/radio sensor)
V..	Extension
Z..	Linkages/accessories

Digits 5-7	Article counter
The article counter is a sequential number.	

Digit 8	DIN direction
0	DIN direction neutral
1	DIN RH
2	DIN LH

Digit 9	Dash
-	

Digit 10	Surface
0	Neutral (finished surface) e.g. PVC
1	Titanium silver (galvanised)
2	Stainless-steel finish (galvanised)
5	Aluminium (suitable for anodising, painting or coating)
6	Clear – chromated (galvanised)
L	Painted

Digits 11-12	Colour
00	none
01	RAL 9001 cream
02	RAL 9003 signal white
03	RAL 9010 pure white
04	RAL 9016 traffic white
11	RAL 8019 grey brown
12	RAL 8022 black brown
16	RAL 8001 ochre brown
21	RAL 7035 light grey
23	RAL 9005 jet black
24	EV1
25	SI-silver
26	EV2
30	C33 medium bronze
32	Dark bronze
33	SI-brown
34	Titan matt light
38	Gold gloss
E6	RAL 7040 window grey
H0	SI-old gold
H4	F9 titan light
I2	F3 gold matt

For further variants and customised solutions:
contact SIEGENIA sales dept.

Digits 13-14	Packaging unit
01	1 piece
02	10 pc.
03	20 pc.
04	25 pc.
05	50 pc.
06	100 pc.
07	250 pc.
08	500 pc.

For further variants and customised solutions:
contact SIEGENIA sales dept.

Digit 15	Index
The index is a sequential number.	

2 Size ranges and application diagram

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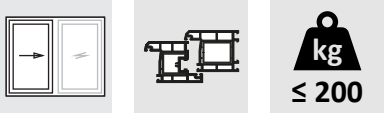
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2.1 ECO SLIDE CO, 200 kg



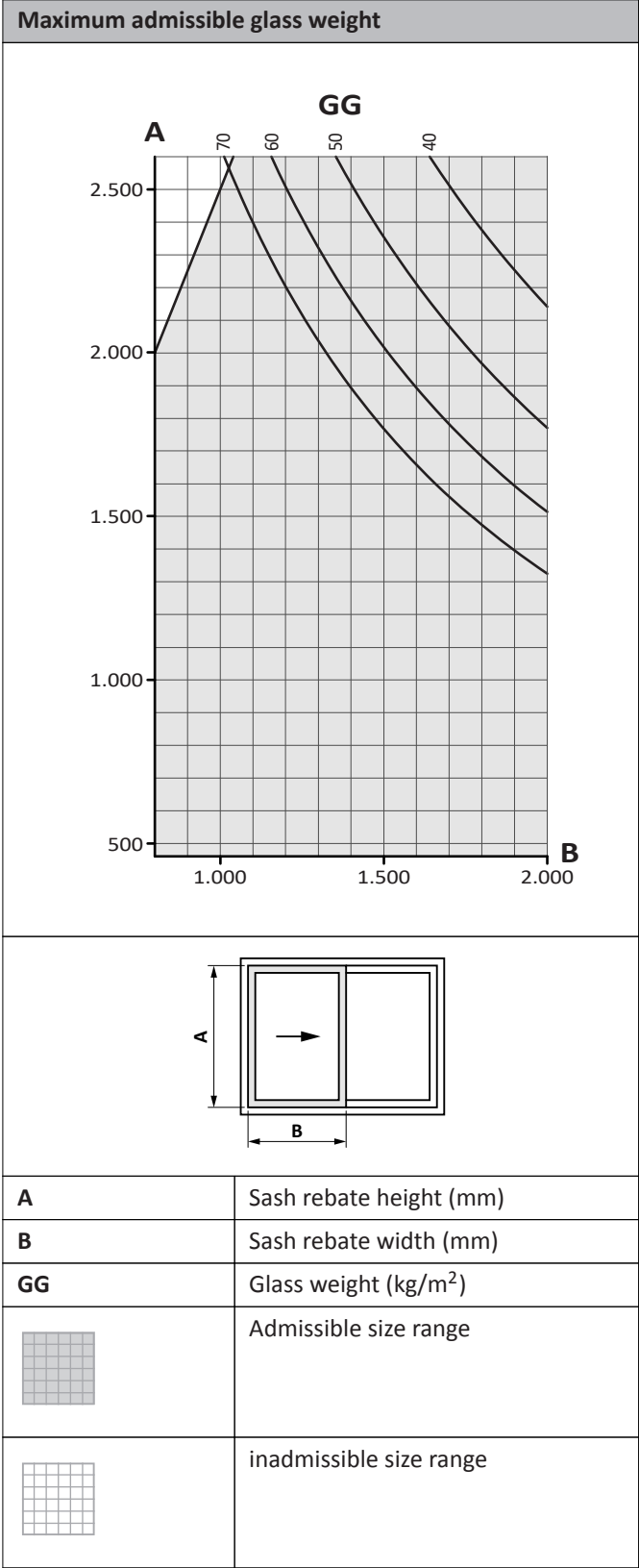
Features of window sash

Window shape	Square
Opening type	Slide
Element material	PVC
Max. sash weight	200 kg
Max. width/height ratio $Q_{H/W}$	2.5
Max. profile weight PG	4.55 kg/m
Max. sliding cycles (Test in accordance with QM 346)	20,000

Contact SIEGENIA if the window sash does not comply with the features listed here.

Other relevant information

- Guideline on the use of application diagrams: [H58.T-AWD-BG](#)

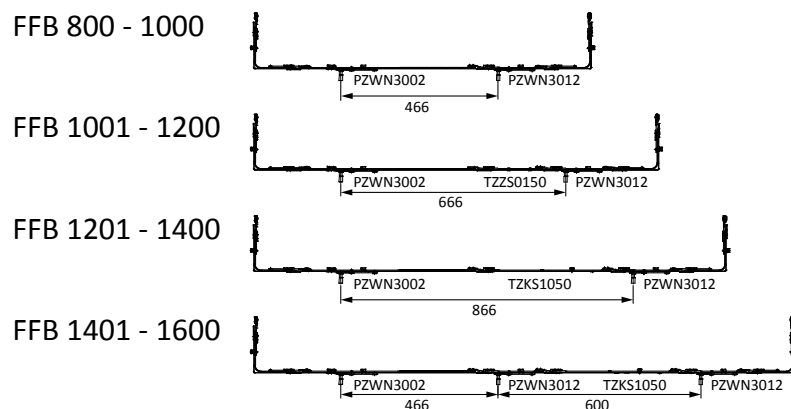
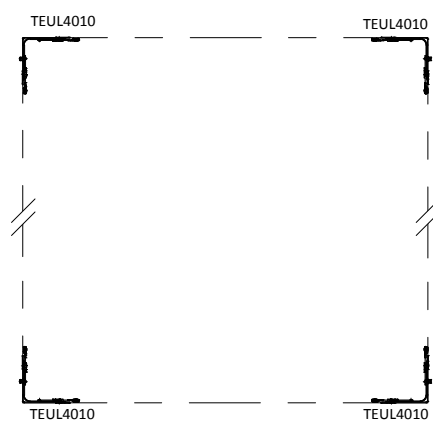
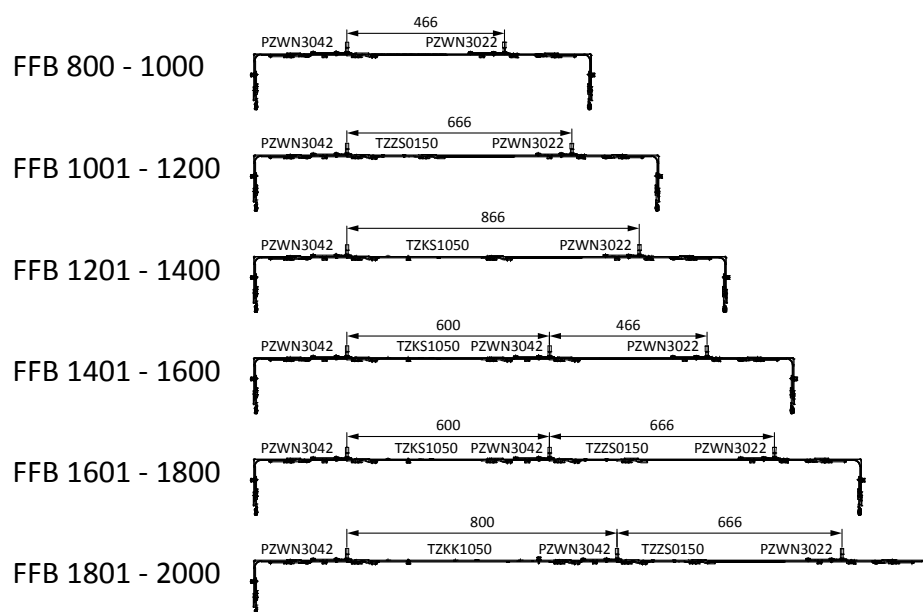


2.2 Size range of system

The size ranges of the respective system can be found in the Z-drawing of the construction drawing. The Z-drawing and other documents can be requested from the relevant external sales representative.

2.3 Size range hardware

2.3.1 Hardware horizontal



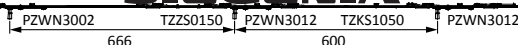
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H69.ESKFS008EN

SIEGENIA®

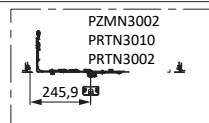
04.2025

23/130

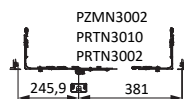


2.3.2 Hardware vertical MP

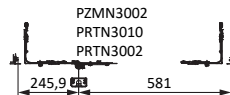
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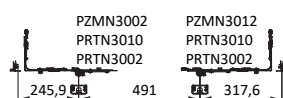
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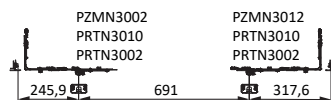
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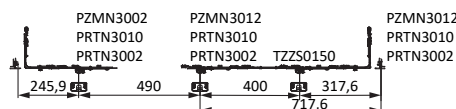
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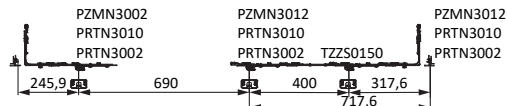
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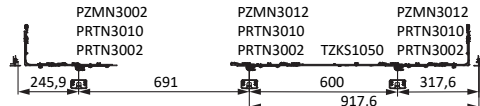
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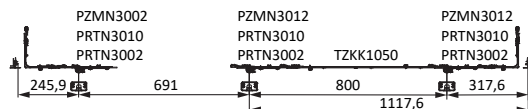
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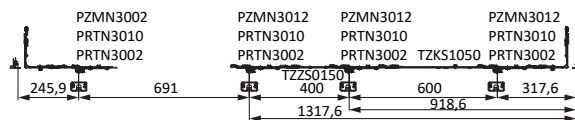
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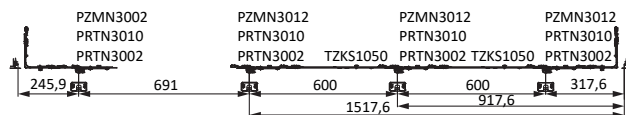
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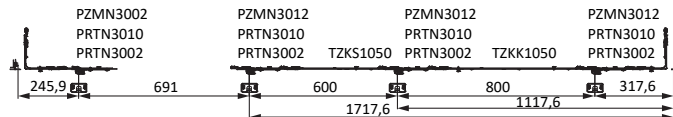
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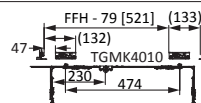


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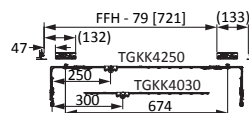


2.3.3 Hardware vertical VS, gear seat constant

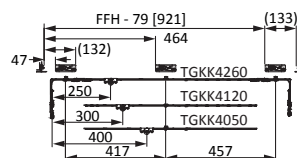
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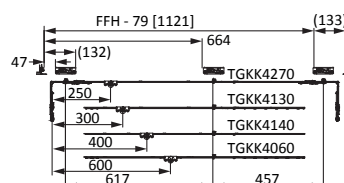
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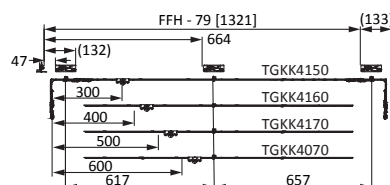
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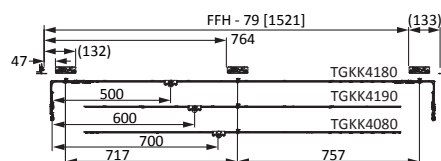
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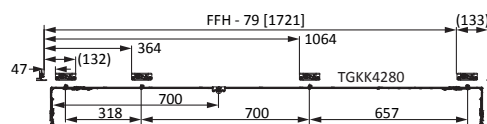
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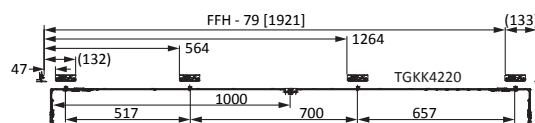
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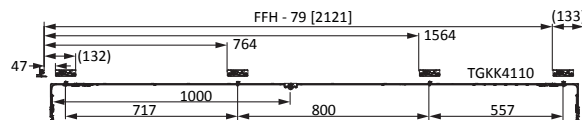
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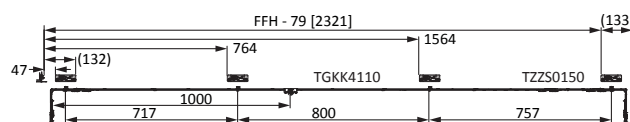
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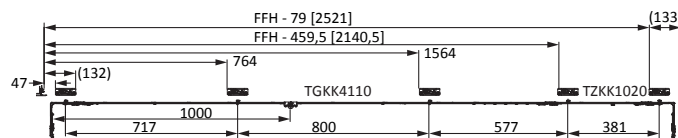
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FFH 2201 - 2400

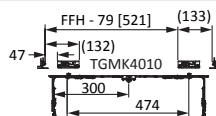


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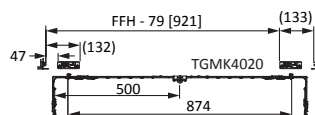


2.3.4 Hardware vertical VS, gear seat central/variable

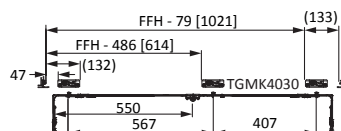
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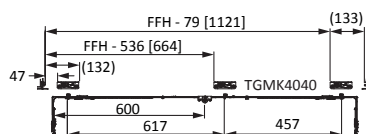
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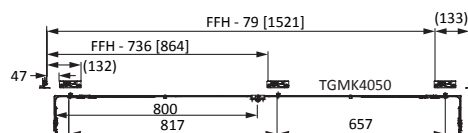
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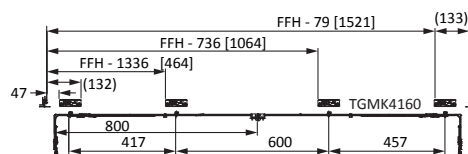
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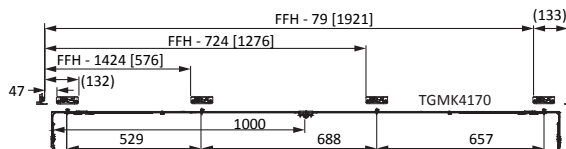
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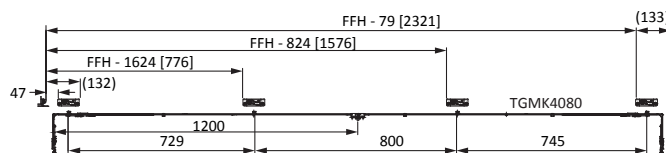
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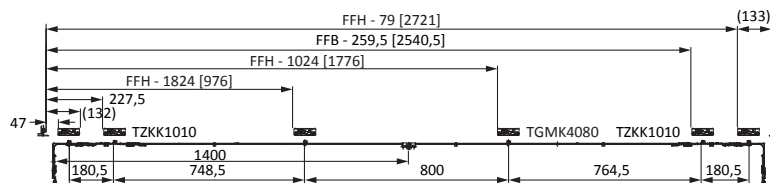
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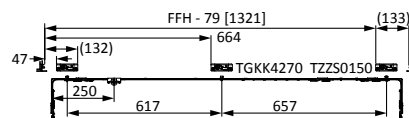


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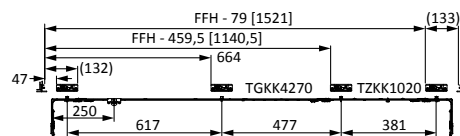


2.3.5 Vertical VS hardware, handle position 250 mm, fixed gear

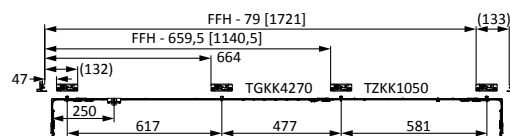
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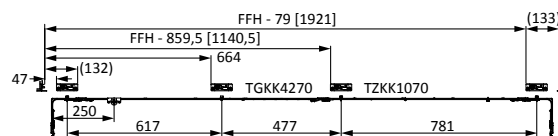
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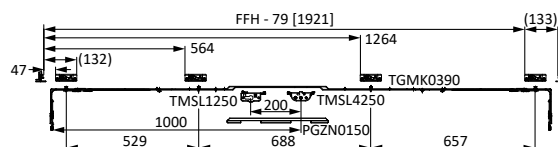


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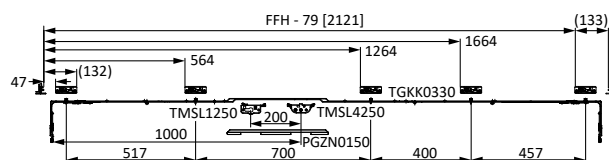


2.3.6 Vertical VS hardware, 1 000 mm handle position, lockable fixed gear

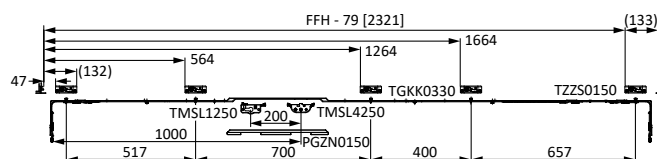
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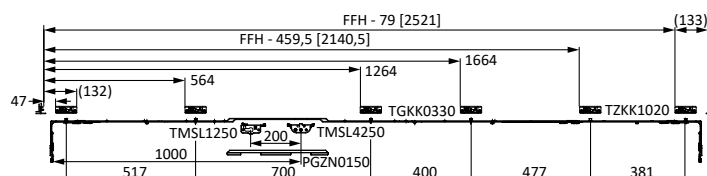
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FFH 2201 - 2400



FFH 2401 - 2600



3 Hardware information

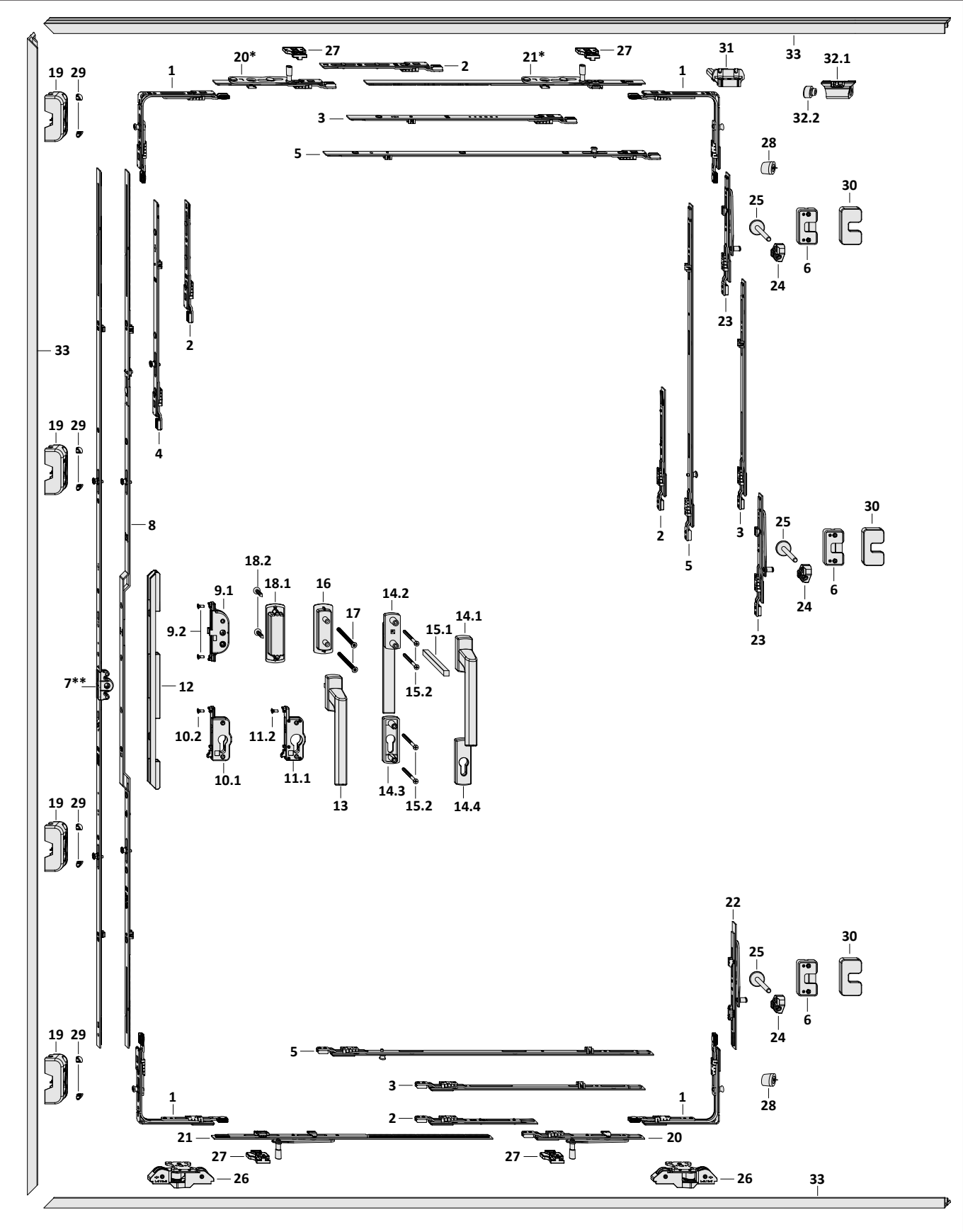
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3.1 BASIC HARDWARE 32

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3.3 RC2 HARDWARE 40

Hardware overview



Hardware list

Item	Material description	Mat. no.	FFB (mm)	FFH (mm)	Pc.	Handle position (mm)
1	Corner drive AF VSO 1RS	TEUL4010-...	800 – 2000	460 – 540	3	
			800 – 2000	541 – 2600	4	
2	Linkage AF size 1	TZZS0150-...	1001 – 1200		2	
			1601 – 2000		2	
				1201 – 1600	1	
				2001 – 2200	1	
				2201 – 2400	1	
3	Linkage AF size 2 A0767	TZKS1050-...	1201 – 1800		2	
				1601 – 1800	1	
				2001 – 2200	1	
				2201 – 2400	2	
				2401 – 2600	1	
4	Linkage KK/AF size 2 1RS	TZKK1020-...		2401 – 2600	1	
5	Linkage KK/AF size 3 1RS	TZKK1050-...	1801 – 2000		2	
				1801 – 2000	1	
				2401 – 2600	1	
6	Striker MP ES CO	PRSN3020-...		460 – 800	1	
				801 – 1200	2	
				1201 – 2000	3	
				2001 – 2600	4	
7	Gear 15 AF size 20	TGMK4010-...		460 – 600	1	230
	Gear 15 AF size 60/G250	TGKK4250-...		601 – 800		250
	Gear 15 AF size 60/G300	TGKK4030-...		601 – 800		300
	Gear 15 size 80/G250 1RS	TGKK4260-...		801 – 1000		250
	Gear 15 size 80/G300 1RS	TGKK4120-...		801 – 1000		300
	Gear 15 size 80/G400 1RS	TGKK4050-...		801 – 1000		400
	Gear 15 size 100/G250 1RS	TGKK4270-...		1001 – 1200		250
	Gear 15 size 100/G300 1RS	TGKK4130-...		1001 – 1200		300
	Gear 15 size 100/G400 1RS	TGKK4140-...		1001 – 1200		400
	Gear 15 size 100/G500 1RS	TGKK4060-...		1001 – 1200		500
	Gear 15 size 120/G300 1RS	TGKK4150-...		1201 – 1400		300
	Gear 15 size 120/G400 1RS	TGKK4160-...		1201 – 1400		400
	Gear 15 size 120/G500 1RS	TGKK4170-...		1201 – 1400		500
	Gear 15 size 120/G600 1RS	TGKK4070-...		1201 – 1400		600
	Gear 15 size 140/G500 1RS	TGKK4180-...		1401 – 1600		500
	Gear 15 size 140/G600 1RS	TGKK4190-...		1401 – 1600		600
	Gear 15 size 140/G700 1RS	TGKK4080-...		1401 – 1600		700
	Gear 15 size 160/G700 2RS	TGKK4280-...		1601 – 1800		700
	Gear 15 size 180/G1000 2RS	TGKK4220-...		1801 – 2000		1000
	Gear 15 size 200/G1000 2RS	TGKK4110-...		2001 – 2200		1000
	Gear 15 size 200/G1000 2RS	TGKK4110-...		2201 – 2400		1000
	Gear 15 size 200/G1000 2RS	TGKK4110-...		2401 – 2600		1000
8	Gear OS/PZ15/20 SIZE 160 2RS	TGMK0390-...		1600 – 2000	1	1000
	Gear OS/PZ15/20 SIZE 200/G1000 3RS	TGKK0330-...		2001 – 2200		1000
	Gear OS/PZ15/20 SIZE 200/G1000 3RS	TGKK0330-...		2201 – 2400		1000
	Gear OS/PZ15/20 SIZE 200/G1000 3RS	TGKK0330-...		2401 – 2600		1000
9	Gear set 25 M5	TMSL4250-...			1	
	9.1 Gear box 25 M5					
	9.2 Countersunk screw M4x11 ST H DIN 7500					
10	Gear set PZ 25	TMSL1250-...			1	
	10.1 Gear box PZ 25					
	10.2 Countersunk screw M4x11 ST H DIN 7500					
11	Gear set PZ22 25	TMSL2250-...			1	
	11.1 Gear box PZ22 25					
	11.2 Countersunk screw M4x11 ST H DIN 7500					
12	Gear cover cap 15-20 A.D.	PGZN0150-...			1	
13	Handle	See profile-specific components			1	
14	Handle SI-line PSK-PZ, inside and outside	PMHJ0060-...			1	
	14.1 Handle SI-Line PSK PZO square					
	14.2 Handle SI-line PSK, outside flat					
	14.3 Rose SI-line PZ outside					
	14.4 Bag cover cap PZ SI-Line					

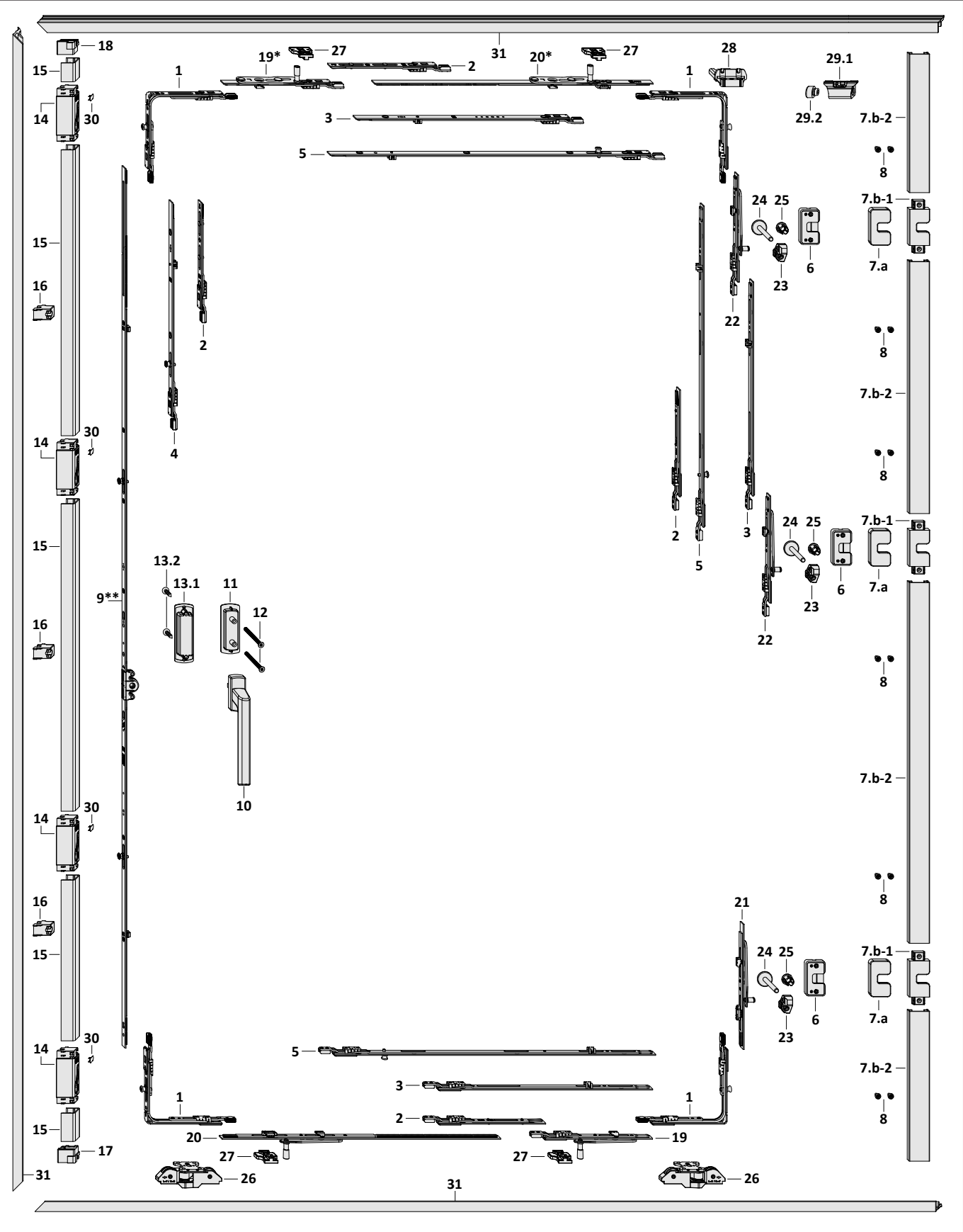
Catalogue of fittings

ECO SLIDE CO, basic hardware

Item	Material description	Mat. no.	FFB (mm)	FFH (mm)	Pc.	Handle position (mm)
15	Accessories TL/PZ inside and outside	See profile-specific components			1	
	15.1 Square spindle					
	15.2 Countersunk screw K/PZD ISO7046					
16	43 mm sliding grip	See profile-specific components			1	
17	Countersunk screw K/PZD ISO7046	See profile-specific components			2	
18	Sliding grip SI-line HS150	See profile-specific components			1	
	18.1 Sliding grip					
	18.2 Chipboard screw 3x12					
19	VS RH ES CO striker	PRSN3001-...		460 – 800	2	
	VS LH ES CO striker	PRSN3002-...				
	VS RH ES CO striker	PRSN3001-...		801 – 1600	3	
	VS LH ES CO striker	PRSN3002-...				
	VS RH ES CO striker	PRSN3001-...		1601 – 2400	4	
	VS LH ES CO striker	PRSN3002-...				
	VS RH ES CO striker	PRSN3001-...		2401 – 2600	5	
	VS LH ES CO striker	PRSN3002-...				
20	Horizontal linkage DIN L ES CO DIN R ES CO	PZWN3011-...	800 – 1400		2	
	Horizontal linkage DIN L ES CO	PZWN3012-...				
	Horizontal linkage DIN L ES CO DIN R ES CO	PZWN3011-...	1401 – 2000		4	
	Horizontal linkage DIN L ES CO	PZWN3012-...				
21	Horizontal, cut-to-length linkage DIN L ES CO DIN R ES CO	PZWN3001-...	800 – 2000		2	
	Horizontal, cut-to-length linkage DIN L ES CO	PZWN3002-...				
22	Linkage MPU DIN R ES CO	PZMN3001-...		460 – 2600	1	
	Linkage MPU DIN L ES CO	PZMN3002-...				
23	Linkage MPO DIN R ES CO	PZMN3011-...		801 – 1200	1	
	Linkage MPO DIN L ES CO	PZMN3012-...				
	Linkage MPO DIN R ES CO	PZMN3011-...		1201 – 2000	2	
	Linkage MPO DIN L ES CO	PZMN3012-...				
	Linkage MPO DIN R ES CO	PZMN3011-...		2001 – 2600	3	
	Linkage MPO DIN L ES CO	PZMN3012-...				
	Adapter MV MP RH ES CO	PRTN3001-...		460 – 800	1	
	Adapter MV MP LH ES CO	PRTN3002-...				
24	Adapter MV MP RH ES CO	PRTN3001-...		801 – 1200	2	
	Adapter MV MP LH ES CO	PRTN3002-...				
	Adapter MV MP RH ES CO	PRTN3001-...		1201 – 2000	3	
	Adapter MV MP LH ES CO	PRTN3002-...				
	Adapter MV MP RH ES CO	PRTN3001-...		2001 – 2600	4	
	Adapter MV MP LH ES CO	PRTN3002-...				
	Adapter MV MP RH ES CO	PRTN3001-...				
	Adapter MV MP LH ES CO	PRTN3002-...				
25	Locking bolt MV MP ES CO	See profile-specific components		460 – 800	1	
				801 – 1200	2	
				1201 – 2000	3	
				2001 – 2600	4	
26	Bogie wheels ES CO COM R VS/L MP	PLWN3020-...	800 – 2000		1	
	Bogie wheels ES CO COM L VS/L MP	PLWN3030-...	800 – 2000		1	
27	Holding-down device ES CO	PZZN3000-...	800 – 2000		4	
28	HS stop	PZUB0230-...			2	
Accessories						
29	VS EC CO cover cap for striker	PZUN3090-...				
30	MP cover cap	PKAN3010-...				
31	Sash component for stop	PZZN3020-...			1	
32	Stop ES CO	PZZN3010-...	800 – 2000		1	
	32.1 Stop					
	32.2 Stop					
Rod						
33	MFS ES CO SZ300	See profile-specific components				
	MFS ES CO SZ600	See profile-specific components				
Optional hardware components						
*	Horizontal linkage +2 mm DIN R ES CO	PZWN3071-...	800 – 1400		1	
	Horizontal linkage +2 mm DIN L ES CO	PZWN3072-...				
	Horizontal linkage +2 mm DIN R ES CO	PZWN3071-...	1401 – 2000		2	
	Horizontal linkage +2 mm DIN L ES CO	PZWN3072-...				
*	Horizontal linkage -2 mm DIN R ES CO	PZWN3041-...	800 – 1400		1	
	Horizontal linkage -2 mm DIN L ES CO	PZWN3042-...				
	Horizontal linkage -2 mm DIN R ES CO	PZWN3041-...	1401 – 2000		2	
	Horizontal linkage -2 mm DIN L ES CO	PZWN3042-...				

Item		Material description	Mat. no.	FFB (mm)	FFH (mm)	Pc.	Handle position (mm)
*		Horizontal, cut-to-length linkage +2 mm DIN R ES CO	PZWN3061-...	800 – 2000		1	
		Horizontal, cut-to-length linkage +2 mm DIN L ES CO	PZWN3062-...				
*		Horizontal, cut-to-length -2 mm DIN R ES CO	PZWN3021-...	800 – 2000		1	
		Horizontal, cut-to-length linkage -2 mm DIN L ES CO	PZWN3022-...				
Gear with central/variable gear position (observe size range for linkages)							
**		Gear 15 AF size 20	TGMK4010-...		460 – 600	1	300
		Gear 15 AF size 60 TS	TGMK4020-...		601 – 1000		500
		Gear 15 size 70 1RS TS	TGMK4030-...		701 – 1100		550
		Gear 15 size 80 1RS TS	TGMK4040-...		801 – 1200		600
		Gear 15 size 120 1RS TS	TGMK4050-...		1201 – 1600		800
		Gear 15 size 120 2RS TS	TGMK4160-...		1201 – 1600		800
		Gear 15 size 160 2RS70 TS	TGMK4170-...		1601 – 2000		1000
		Gear 15 size 200 2RS TS	TGMK4080-...		2001 – 2400		1200
		Gear 15 size 200 2RS TS	TGMK4080-...		2401 – 2600		1400
Gear with 250 mm handle position, fixed gear (observe size range for linkages)							
**		Gear 15 size 100/G250 1RS	TGKK4270-...		1200 – 1400	1	250
		Gear 15 size 100/G250 1RS	TGKK4270-...		1401 – 1600		250
		Gear 15 size 100/G250 1RS	TGKK4270-...		1601 – 1800		250
		Gear 15 size 100/G250 1RS	TGKK4270-...		1801 – 2000		250

Hardware overview



Hardware list

Item	Material description	Mat. no.	FFB (mm)	FFH (mm)	Pc.	Handle position (mm)
1	Corner drive AF VSO 1RS	TEUL4010-...	800 – 2000	460 – 540	3	
			800 – 2000	541 – 2600	4	
2	Linkage AF size 1	TZZS0150-...	1001 – 1200		2	
			1601 – 2000		2	
				1201 – 1600	1	
				2001 – 2200	1	
				2201 – 2400	1	
3	Linkage AF size 2 A0767	TZKS1050-...	1201 – 1800		2	
				1601 – 1800	1	
				2001 – 2200	1	
				2201 – 2400	2	
				2401 – 2600	1	
4	Linkage KK/AF size 2 1RS	TZKK1020-...		2401 – 2600	1	
5	Linkage KK/AF size 3 1RS	TZKK1050-...	1801 – 2000		2	
				1801 – 2000	1	
				2401 – 2600	1	
6	Striker MP ES CO	PRSN3020-...		460 – 800	1	
				801 – 1200	2	
				1201 – 2000	3	
				2001 – 2600	4	
7	7.a Cover cap MP ES CO	PKAN3010-...				
	7.b-1 Cover cap MP-SL ES CO	PKAN3000-...				
	7.b-2 Locking rail MP ES CO size 300	PZUN3040-...				
	7.b-2 Locking rail MP ES CO size 600	PZUN3030-...				
8	Nipple screws for locking rail	PZUN3080-...				
9	Gear 15 AF size 20	TGMK4010-...		460 – 600	1	230
	Gear 15 AF size 60/G250	TGKK4250-...		601 – 800		250
	Gear 15 AF size 60/G300	TGKK4030-...		601 – 800		300
	Gear 15 size 80/G250 1RS	TGKK4260-...		801 – 1000		250
	Gear 15 size 80/G300 1RS	TGKK4120-...		801 – 1000		300
	Gear 15 size 80/G400 1RS	TGKK4050-...		801 – 1000		400
	Gear 15 size 100/G250 1RS	TGKK4270-...		1001 – 1200		250
	Gear 15 size 100/G300 1RS	TGKK4130-...		1001 – 1200		300
	Gear 15 size 100/G400 1RS	TGKK4140-...		1001 – 1200		400
	Gear 15 size 100/G500 1RS	TGKK4060-...		1001 – 1200		500
	Gear 15 size 120/G300 1RS	TGKK4150-...		1201 – 1400		300
	Gear 15 size 120/G400 1RS	TGKK4160-...		1201 – 1400		400
	Gear 15 size 120/G500 1RS	TGKK4170-...		1201 – 1400		500
	Gear 15 size 120/G600 1RS	TGKK4070-...		1201 – 1400		600
	Gear 15 size 140/G500 1RS	TGKK4180-...		1401 – 1600		500
	Gear 15 size 140/G600 1RS	TGKK4190-...		1401 – 1600		600
	Gear 15 size 140/G700 1RS	TGKK4080-...		1401 – 1600		700
	Gear 15 size 160/G700 2RS	TGKK4280-...		1601 – 1800		700
	Gear 15 size 180/G1000 2RS	TGKK4220-...		1801 – 2000		1000
	Gear 15 size 200/G1000 2RS	TGKK4110-...		2001 – 2200		1000
	Gear 15 size 200/G1000 2RS	TGKK4110-...		2201 – 2400		1000
	Gear 15 size 200/G1000 2RS	TGKK4110-...		2401 – 2600		1000
10	Handle	See profile-specific components				
11	43 mm sliding grip	See profile-specific components			1	
12	Countersunk screw K/PZD ISO7046	See profile-specific components			2	
13	Sliding grip SI-line HS150	See profile-specific components			1	
	13.1 Sliding grip					
	13.2 Chipboard screw 3x12					
14	Striker VS-SL RH ES CO	PRSN3011-...		460 – 800	2	
	Striker VS-SL LH ES CO	PRSN3012-...				
	Striker VS-SL RH ES CO	PRSN3011-...		801 – 1600	3	
	Striker VS-SL LH ES CO	PRSN3012-...				
	Striker VS-SL RH ES CO	PRSN3011-...		1601 – 2400	4	
	Striker VS-SL LH ES CO	PRSN3012-...				
	Striker VS-SL RH ES CO	PRSN3011-...		2401 – 2600	5	
	Striker VS-SL LH ES CO	PRSN3012-...				
15	Locking rail VS ES CO size 300	PZUN3020-...				
	Locking rail VS ES CO size 600	PZUN3010-...				

Catalogue of fittings

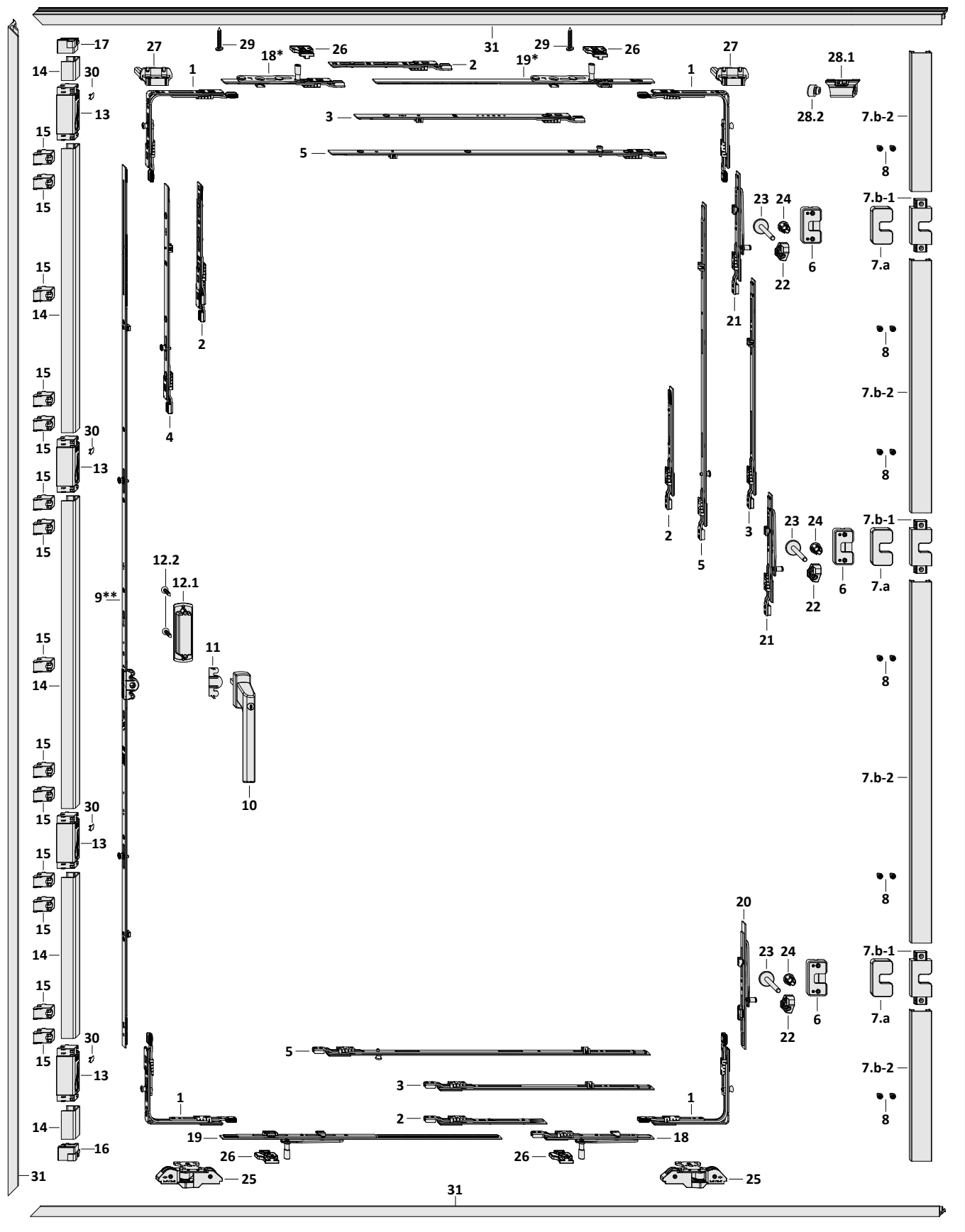
ECO SLIDE CO, designer hardware

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Item	Material description	Mat. no.	FFB (mm)	FFH (mm)	Pc.	Handle position (mm)
16	Supporting piece VS-SL ES CO	PZUN3070-...		460 – 800	1	
				801 – 1600	2	
				1601 – 2600	3	
17	Corner piece L-U/R-O ES CO	PZUN3061-...		460 – 2600	1	
18	Corner piece R-U/L-O ES CO	PZUN3062-...		460 – 2600	1	
19	Horizontal linkage DIN R ES CO	PZWN3011-...	800 – 1400		2	
	Horizontal linkage DIN L ES CO	PZWN3012-...				
	Horizontal linkage DIN R ES CO	PZWN3011-...	1401 – 2000		4	
	Horizontal linkage DIN L ES CO	PZWN3012-...				
20	Horizontal, cut-to-length linkage CO DIN R ES CO	PZWN3001-...	800 – 2000		2	
	Horizontal, cut-to-length linkage DIN L ES CO	PZWN3002-...				
21	Linkage MPU DIN R ES CO	PZMN3001-...		460 – 2600	1	
	Linkage MPU DIN L ES CO	PZMN3002-...				
22	Linkage MPO DIN R ES CO	PZMN3011-...		801 – 1200	1	
	Linkage MPO DIN L ES CO	PZMN3012-...				
	Linkage MPO DIN R ES CO	PZMN3011-...		1201 – 2000	2	
	Linkage MPO DIN L ES CO	PZMN3012-...				
	Linkage MPO DIN R ES CO	PZMN3011-...		2001 – 2600	3	
	Linkage MPO DIN L ES CO	PZMN3012-...				
23	Adapter MV MP RH ES CO	PRTN3001-...		460 – 800	1	
	Adapter MV MP LH ES CO	PRTN3002-...				
	Adapter MV MP RH ES CO	PRTN3001-...		801 – 1200	2	
	Adapter MV MP LH ES CO	PRTN3002-...				
	Adapter MV MP RH ES CO	PRTN3001-...		1201 – 2000	3	
	Adapter MV MP LH ES CO	PRTN3002-...				
	Adapter MV MP RH ES CO	PRTN3001-...		2001 – 2600	4	
	Adapter MV MP LH ES CO	PRTN3002-...				
24	Locking bolt MV MP ES CO	See profile-specific components		460 – 800	1	
				801 – 1200	2	
				1201 – 2000	3	
				2001 – 2600	4	
25	Sash sleeve MP ES CO	PZUN3050-...		460 – 800	1	
				801 – 1200	2	
				1201 – 2000	3	
				2001 – 2600	4	
26	Bogie wheels ES CO COM R VS/L MP	PLWN3020-...	800 – 2000		1	
	Bogie wheels ES CO COM L VS/L MP	PLWN3030-...	800 – 2000		1	
27	Holding-down device ES CO	PZZN3000-...	800 – 2000		4	
28	Sash component for stop	PZZN3020-...			1	
29	Stop ES CO TS B1	PZZN3010-...	800 – 2000		1	
	29.1 Stop					
	29.2 Stop					
Accessories						
30	Logo clip	On request				
Rod						
31	MFS ES CO SZ300	See profile-specific components				
	MFS ES CO SZ600	See profile-specific components				
Optional hardware components						
*	Horizontal linkage +2 mm DIN R ES CO	PZWN3071-...	800 – 1400		1	
	Horizontal linkage +2 mm DIN L ES CO	PZWN3072-...				
	Horizontal linkage +2 mm DIN R ES CO	PZWN3071-...	1401 – 2000		2	
	Horizontal linkage +2 mm DIN L ES CO	PZWN3072-...				
*	Horizontal linkage -2 mm DIN R ES CO	PZWN3041-...	800 – 1400		1	
	Horizontal linkage -2 mm DIN L ES CO	PZWN3042-...				
	Horizontal linkage -2 mm DIN R ES CO	PZWN3041-...	1401 – 2000		2	
	Horizontal linkage -2 mm DIN L ES CO	PZWN3042-...				
*	Horizontal, cut-to-length linkage +2 mm DIN R ES CO	PZWN3061-...	800 – 2000		1	
	Horizontal, cut-to-length linkage +2 mm DIN L ES CO	PZWN3062-...				
*	Horizontal, cut-to-length linkage -2 mm DIN R ES CO	PZWN3021-...	800 – 2000		1	
	Horizontal, cut-to-length linkage -2 mm DIN L ES CO	PZWN3022-...				

Item	Material description	Mat. no.	FFB (mm)	FFH (mm)	Pc.	Handle position (mm)
Gear with central/variable gear position (observe size range for linkages)						
**	Gear 15 AF size 20	TGMK4010-...		460 – 600	1	300
	Gear 15 AF size 60 TS	TGMK4020-...		601 – 1000		500
	Gear 15 size 70 1RS TS	TGMK4030-...		701 – 1100		550
	Gear 15 size 80 1RS TS	TGMK4040-...		801 – 1200		600
	Gear 15 size 120 1RS TS	TGMK4050-...		1201 – 1600		800
	Gear 15 size 120 2RS TS	TGMK4160-...		1201 – 1600		800
	Gear 15 size 160 2RS70 TS	TGMK4170-...		1601 – 2000		1000
	Gear 15 size 200 2RS TS	TGMK4080-...		2001 – 2400		1200
	Gear 15 size 200 2RS TS	TGMK4080-...		2401 – 2600		1400
Gear with 250 mm handle position, fixed gear (observe size range for linkages)						
**	Gear 15 size 100/G250 1RS	TGKK4270-...		1200 – 1400	1	250
	Gear 15 size 100/G250 1RS	TGKK4270-...		1401 – 1600		250
	Gear 15 size 100/G250 1RS	TGKK4270-...		1601 – 1800		250
	Gear 15 size 100/G250 1RS	TGKK4270-...		1801 – 2000		250

Hardware overview



Hardware list

Item	Material description	Mat. no.	FFB (mm)	FFH (mm)	Pc.	Handle position (mm)
1	Corner drive AF VSO 1RS	TEUL4010-...	800 – 2000	460 – 540	3	
			800 – 2000	541 – 2600	4	
2	Linkage AF size 1	TZZS0150-...	1001 – 1200		2	
			1601 – 2000		2	
				1201 – 1600	1	
				2001 – 2200	1	
				2201 – 2400	1	
3	Linkage AF size 2 A0767	TZKS1050-...	1201 – 1800		2	
				1601 – 1800	1	
				2001 – 2200	1	
				2201 – 2400	2	
				2401 – 2600	1	
4	Linkage KK/AF size 2 1RS	TZKK1020-...		2401 – 2600	1	
5	Linkage KK/AF size 3 1RS	TZKK1050-...	1801 – 2000		2	
				1801 – 2000	1	
				2401 – 2600	1	
6	Striker MP ES CO	PRSN3020-...		460 – 800	1	
				801 – 1200	2	
				1201 – 2000	3	
				2001 – 2600	4	
7	7.a Cover cap MP ES CO	PKAN3010-...				
	7.b-1 Cover cap MP-SL ES CO	PKAN3000-...				
	7.b-2 Locking rail MP ES CO size 300	PZUN3040-...				
	Locking rail MP ES CO size 600	PZUN3030-...				
8	Nipple screws for locking rail	PZUN3080-...				
9	Gear 15 AF size 20	TGMK4010-...		460 – 600		230
	Gear 15 AF size 60/G250	TGKK4250-...		601 – 800		250
	Gear 15 AF size 60/G300	TGKK4030-...		601 – 800		300
	Gear 15 size 80/G250 1RS	TGKK4260-...		801 – 1000		250
	Gear 15 size 80/G300 1RS	TGKK4120-...		801 – 1000		300
	Gear 15 size 80/G400 1RS	TGKK4050-...		801 – 1000		400
	Gear 15 size 100/G250 1RS	TGKK4270-...		1001 – 1200		250
	Gear 15 size 100/G300 1RS	TGKK4130-...		1001 – 1200		300
	Gear 15 size 100/G400 1RS	TGKK4140-...		1001 – 1200		400
	Gear 15 size 100/G500 1RS	TGKK4060-...		1001 – 1200		500
	Gear 15 size 120/G300 1RS	TGKK4150-...		1201 – 1400		300
	Gear 15 size 120/G400 1RS	TGKK4160-...		1201 – 1400		400
	Gear 15 size 120/G500 1RS	TGKK4170-...		1201 – 1400		500
	Gear 15 size 120/G600 1RS	TGKK4070-...		1201 – 1400		600
	Gear 15 size 140/G500 1RS	TGKK4180-...		1401 – 1600		500
	Gear 15 size 140/G600 1RS	TGKK4190-...		1401 – 1600		600
	Gear 15 size 140/G700 1RS	TGKK4080-...		1401 – 1600		700
	Gear 15 size 160/G700 2RS	TGKK4280-...		1601 – 1800		700
	Gear 15 size 180/G1000 2RS	TGKK4220-...		1801 – 2000		1000
	Gear 15 size 200/G1000 2RS	TGKK4110-...		2001 – 2200		1000
	Gear 15 size 200/G1000 2RS	TGKK4110-...		2201 – 2230		1000
	Gear 15 size 200/G1000 2RS	TGKK4110-...		2401 – 2600		1000
10	Handle lockable	See profile-specific components				
11	Anti-drill guard E	TGBS0010-...				
12	Sliding grip SI-line HS150	See profile-specific components			1	
12.1	Sliding grip					
12.2	Chipboard screw 3x12					
13	Striker VS-SL RH ES CO	PRSN3011-...		460 – 800	2	
	Striker VS-SL LH ES CO	PRSN3012-...				
	Striker VS-SL RH ES CO	PRSN3011-...		801 – 1600	3	
	Striker VS-SL LH ES CO	PRSN3012-...				
	Striker VS-SL RH ES CO	PRSN3011-...		1601 – 2230	4	
	Striker VS-SL LH ES CO	PRSN3012-...				
	Striker VS-SL RH ES CO	PRSN3011-...		2401 – 2600	5	
	Striker VS-SL LH ES CO	PRSN3012-...				
14	Locking rail VS ES CO size 300	PZUN3020-...				
	Locking rail VS ES CO size 600	PZUN3010-...				

Item	Material description	Mat. no.	FFB (mm)	FFH (mm)	Pc.	Handle position (mm)
15	Supporting piece VS-SL ES CO	PZUN3070-...		460 – 2600	To be determined individually	
16	Corner piece L-U/R-O ES CO	PZUN3061-...		460 – 2600	1	
17	Corner piece R-U/L-O ES CO	PZUN3062-...		460 – 2600	1	
18	Horizontal linkage DIN R ES CO	PZWN3011-...	800 – 1400		2	
	Horizontal linkage DIN L ES CO	PZWN3012-...				
	Horizontal linkage DIN R ES CO	PZWN3011-...	1401 – 2000		4	
	Horizontal linkage DIN L ES CO	PZWN3012-...				
19	Horizontal, cut-to-length linkage CO DIN R ES CO	PZWN3001-...	800 – 2000		2	
	Horizontal, cut-to-length linkage DIN L ES CO	PZWN3002-...				
20	Linkage MPU DIN R ES CO	PZMN3001-...		460 – 2600	1	
	Linkage MPU DIN L ES CO	PZMN3002-...				
21	Linkage MPO DIN R ES CO	PZMN3011-...		801 – 1200	1	
	Linkage MPO DIN L ES CO	PZMN3012-...				
	Linkage MPO DIN R ES CO	PZMN3011-...		1201 – 2000	2	
	Linkage MPO DIN L ES CO	PZMN3012-...				
	Linkage MPO DIN R ES CO	PZMN3011-...		2001 – 2600	3	
	Linkage MPO DIN L ES CO	PZMN3012-...				
22	Adapter MV MP RH ES CO	PRTN3001-...		460 – 800	1	
	Adapter MV MP LH ES CO	PRTN3002-...				
	Adapter MV MP RH ES CO	PRTN3001-...		801 – 1200	2	
	Adapter MV MP LH ES CO	PRTN3002-...				
	Adapter MV MP RH ES CO	PRTN3001-...		1201 – 2000	3	
	Adapter MV MP LH ES CO	PRTN3002-...				
	Adapter MV MP RH ES CO	PRTN3001-...		2001 – 2600	4	
	Adapter MV MP LH ES CO	PRTN3002-...				
23	Locking bolt MV MP ES CO	See profile-specific components		460 – 800	1	
				801 – 1200	2	
				1201 – 2000	3	
				2001 – 2600	4	
24	Sash sleeve MP ES CO	PZUN3050-...		460 – 800	1	
				801 – 1200	2	
				1201 – 2000	3	
				2001 – 2600	4	
25	Bogie wheels ES CO COM R VS/L MP	PLWN3020-...	800 – 2000		1	
	Bogie wheels ES CO COM L VS/L MP	PLWN3030-...	800 – 2000		1	
26	Holding-down device ES CO	PZZN3000-...	800 – 2000		4	
27	Sash component for stop	PZZN3020-...			1	
28	Stop ES CO TS B1	PZZN3010-...	800 – 2000		1	
28.1	Stop					
28.2	Stop					
29	Restrictor RC2	See profile-specific components				
Accessories						
30	Logo clip	On request				
Rod						
31	MFS ES CO SZ300	See profile-specific components				
	MFS ES CO SZ600	See profile-specific components				
Optional hardware components						
*	Horizontal linkage+2 mm DIN R ES CO	PZWN3071-...	800 – 1400		1	
	Horizontal linkage +2 mm DIN L ES CO	PZWN3072-...				
	Horizontal linkage+2 mm DIN R ES CO	PZWN3071-...	1401 – 2000		2	
	Horizontal linkage +2 mm DIN L ES CO	PZWN3072-...				
*	Horizontal linkage -2 mm DIN R ES CO	PZWN3041-...	800 – 1400		1	
	Horizontal linkage -2 mm DIN L ES CO	PZWN3042-...				
	Horizontal linkage -2 mm DIN R ES CO	PZWN3041-...	1401 – 2000		2	
	Horizontal linkage -2 mm DIN L ES CO	PZWN3042-...				
*	Horizontal, cut-to-length linkage +2 mm DIN R ES CO	PZWN3061-...	800 – 2000		1	
	Horizontal, cut-to-length linkage +2 mm DIN L ES CO	PZWN3062-...				
*	Horizontal, cut-to-length linkage -2 mm DIN R ES CO	PZWN3021-...	800 – 2000		1	
	Horizontal, cut-to-length linkage -2 mm DIN L ES CO	PZWN3022-...				

Item	Material description	Mat. no.	FFB (mm)	FFH (mm)	Pc.	Handle position (mm)
Gear with central/variable gear position (observe size range for linkages)						
**	Gear 15 AF size 20	TGMK4010-...		460 – 600	1	300
	Gear 15 AF size 60 TS	TGMK4020-...		620 – 1000		500
	Gear 15 size 70 1RS TS	TGMK4030-...		701 – 1100		550
	Gear 15 size 80 1RS TS	TGMK4040-...		801 – 1200		600
	Gear 15 size 120 1RS TS	TGMK4050-...		1201 – 1600		800
	Gear 15 size 120 2RS TS	TGMK4160-...		1201 – 1600		800
	Gear 15 size 160 2RS70 TS	TGMK4170-...		1601 – 2000		1000
	Gear 15 size 200 2RS TS	TGMK4080-...		2001 – 2400		1200
	Gear 15 size 200 2RS TS	TGMK4080-...		2401 – 2600		1400
Gear with 250 mm handle position, fixed gear (observe size range for linkages)						
**	Gear 15 size 100/G250 1RS	TGKK4270-...		1200 – 1400	1	250
	Gear 15 size 100/G250 1RS	TGKK4270-...		1401 – 1600		250
	Gear 15 size 100/G250 1RS	TGKK4270-...		1601 – 1800		250
	Gear 15 size 100/G250 1RS	TGKK4270-...		1801 – 2000		250

4 Profile-specific components

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4.1 ASASPEN 48

4.2 DRUTEX 49

Asaspen

Components

Component	Material description	Material number
Restrictor	Bag restrictor PVC/ALU	PMZB4880-...
Multifunctional rail	MFS ES CO Asaspen size 600	PPTN3160-...
Sliding grip	Si-line HS150 sliding grip	PSMB0040-...
Handle	SI-line PSK 40 handle	PHIJ0140-...
Lockable handle	SI-Line PSK 40 lockable handle	PHIJ0150-...
Locking bolt	MV MP ES CO 64 mm locking bolt	PRTN3010-...
Square for lockable gear handle	Accessories TL/PZ inside and outside profile thickness 75-84 mm	ZMZP0010-...

Assembly aids

Assembly aid	Material description	Material number
S-MP jig	S-MP ES CO Asas jig	PABN3160-...

Drutex

Components

Component	Material description	Material number
Restrictor	Pan-head self-tapping screw DIN 7981 B6.3x38-A2	848296
Multifunctional rail	MFS ES CO DRUTEX SZ 600	PPTN3140-...
Sliding grip	43 mm sliding grip	PSMN3000-...
Handle	SI-line PSK 40 handle	PHIJ0140-...
Lockable handle	SI-Line PSK 40 lockable handle	PHIJ0150-...
Locking bolt	MV MP ES CO 73 mm locking bolt	PRTN3020-...
Screws for sliding grip	Countersunk screw K/PZD ISO7046 M5X75-4.8 TS profile thickness 79-85 mm	KDNA0100-...
Square for lockable gear handle	Accessories TL/PZ inside and outside profile thickness 75-84 mm	ZMZP0010-...

Assembly aids

Assembly aid	Material description	Material number
S-MP jig	S-MP ES CO Drutex jig	PABN3170-...

5 **Frame parts**

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5.10 ASASPEN MULTIFUNCTIONAL RAIL 66

5.11 DRUTEX MULTIFUNCTIONAL RAIL 67

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5.14 VS LOCKING RAIL 72

5.15 STRIKER MP 74

5.16 VS STRIKER 76

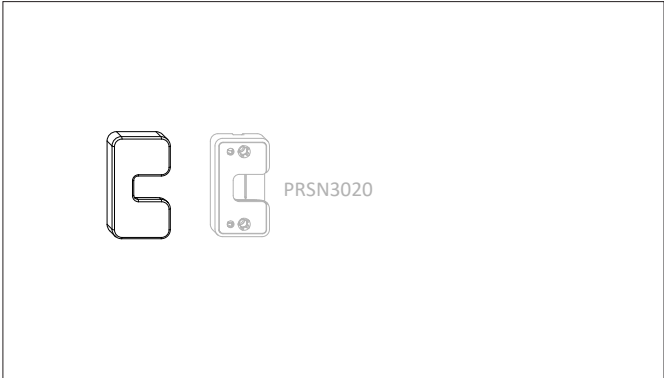
5.17 VS-SL STRIKER 78

5.1 Cover cap MP

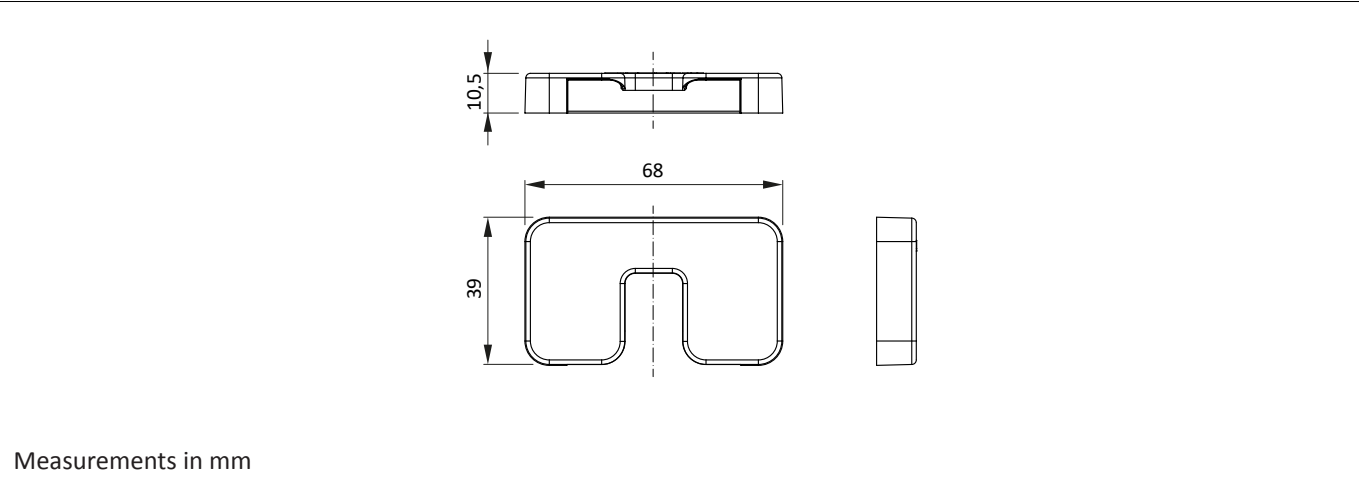
Product description



- Optional component
- Cover for striker MP



Dimensions

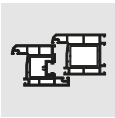


Ordering information for individual parts

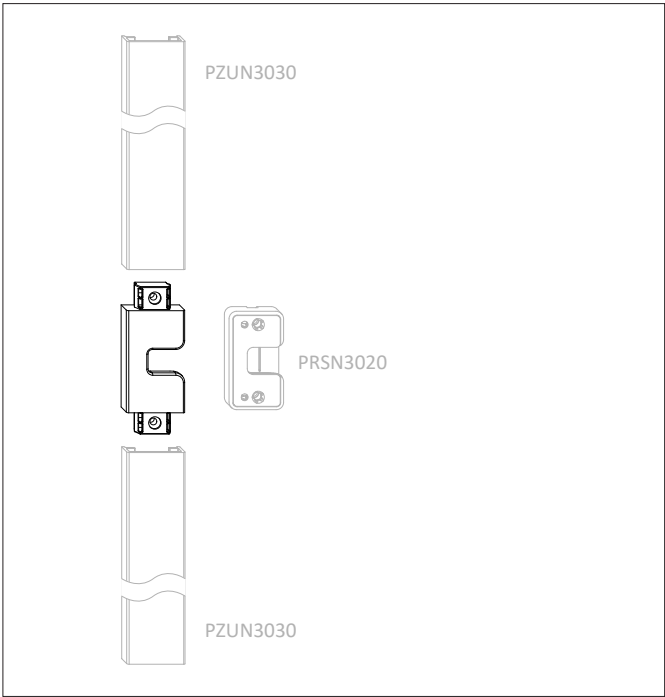
Material description	Material number	Surface	Colour	Sales unit
Cover cap MP ES CO	PKAN3010-02101_	none	RAL 7035 agate grey	1
Cover cap MP ES CO	PKAN3010-02102_	none	RAL 7035 agate grey	10
Cover cap MP ES CO	PKAN3010-02301_	none	RAL 9005 jet black	1
Cover cap MP ES CO	PKAN3010-02302_	none	RAL 9005 jet black	10
Cover cap MP ES CO	PKAN3010-00401_	none	RAL 9016	1
Cover cap MP ES CO	PKAN3010-00402_	none	RAL 9016	10

5.2 Cover cap MP-SL

Product description



- Optional component
- Cover for striker MP
- Snap-in point for locking rail MP

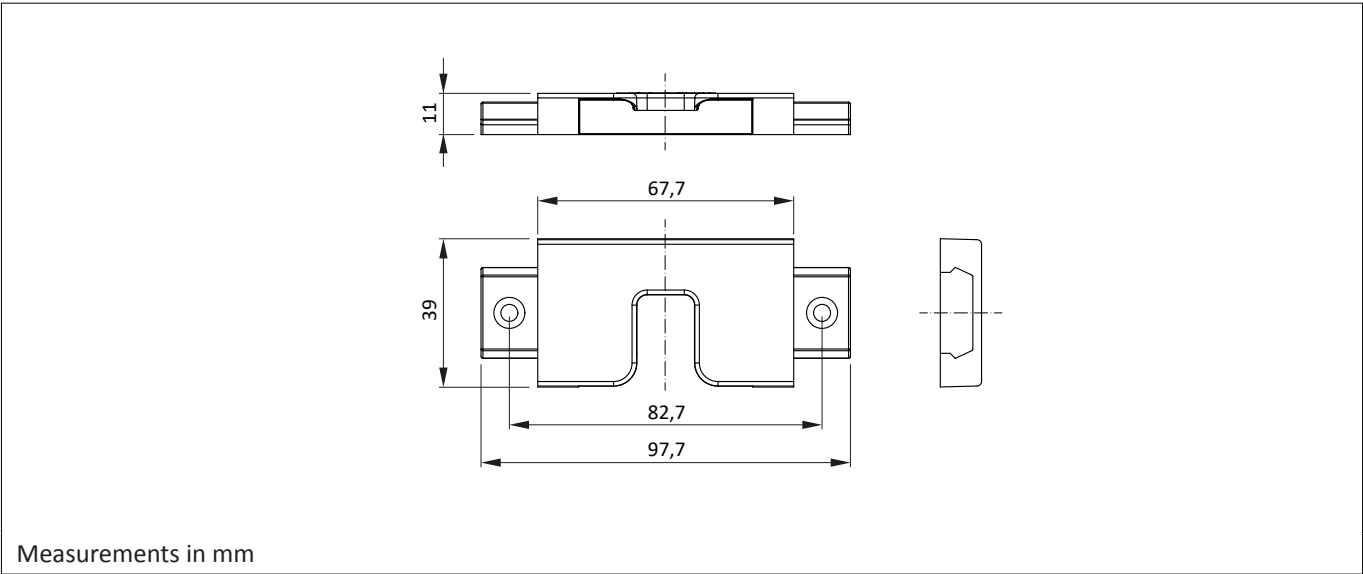


Technical specifications

Material description	Material number	Screws
MP-SL cover cap	PKAN3000-...	2

The size ranges are dependent on the respective system.

Dimensions



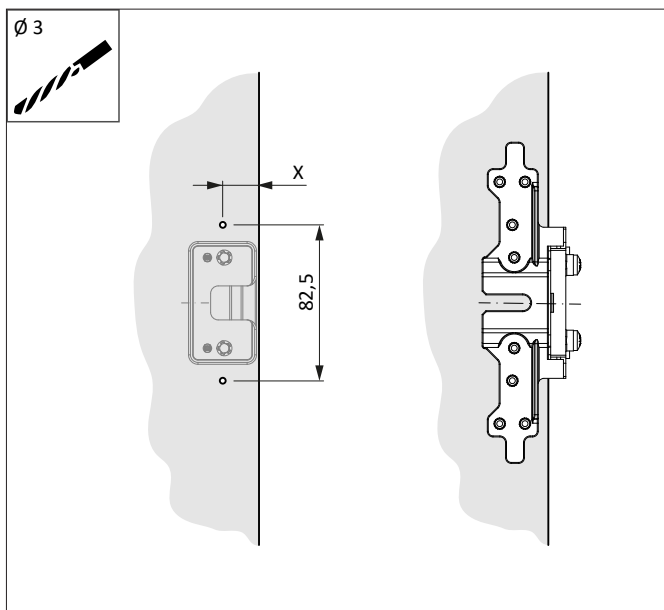
Ordering information for individual parts

Material description	Material number	Surface	Colour	Sales unit
Cover cap MP-SL ES CO	PKAN3000-02101_	none	RAL 7035 agate grey	1
Cover cap MP-SL ES CO	PKAN3000-02102_	none	RAL 7035 agate grey	10
Cover cap MP-SL ES CO	PKAN3000-02301_	none	RAL 9005 jet black	1
Cover cap MP-SL ES CO	PKAN3000-02302_	none	RAL 9005 jet black	10
Cover cap MP-SL ES CO	PKAN3000-00401_	none	RAL 9016	1
Cover cap MP-SL ES CO	PKAN3000-00402_	none	RAL 9016	10

Ordering information for assembly accessories

Material description	Material number	Surface	Colour	Sales unit
S-MP ES CO Asas B1 jig	PABN3160-00001_	none	none	1
S-MP ES CO Drutex B1 jig	PABN3170-00001_	none	none	1

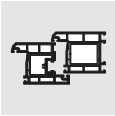
Drilling and milling dimensions



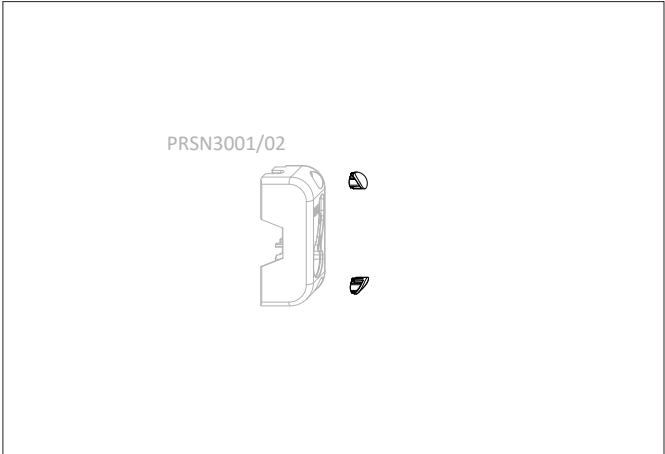
Profile system	Material number	Dimension X (mm)
Asaspen	PABN3160-...	21.8
Drutex	PABN3170-...	18.8

5.3 Cover cap for striker VS

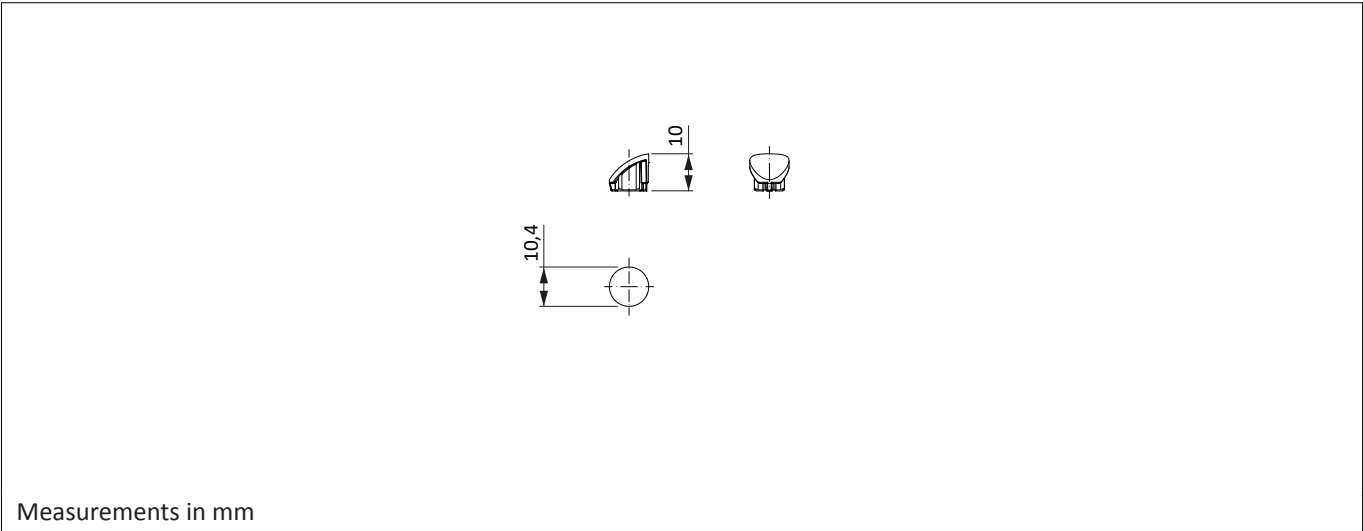
Product description



- Optional component



Dimensions



Ordering information for individual parts

Material description	Material number	Surface	Colour	Sales unit
Cover cap for striker VS ES CO	PZUN3090-04001_	Stainless steel silver	none	1
Cover cap for striker VS ES CO	PZUN3090-04005_	Stainless steel silver	none	50

5.4 Stop ES CO

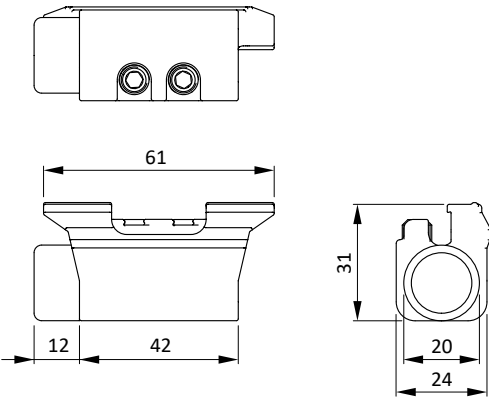
Product description



- Restricts the opening width (pinch protection)
- Damps the impact between sash and frame
- Installed in the multifunctional rail



Dimensions



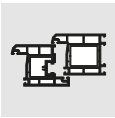
Measurements in mm

Ordering information for individual parts

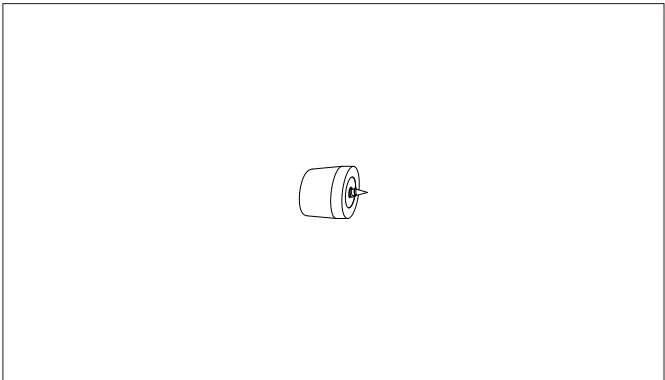
Material description	Material number	Surface	Colour	Sales unit
Stop ES CO	PZZN3010-10001_	Titanium silver	none	1
Stop ES CO	PZZN3010-10004_	Titanium silver	none	25
Stop ES CO	PZZN3010-70001_	ZE black	none	1
Stop ES CO	PZZN3010-70004_	ZE black	none	25

5.5 Stop buffer

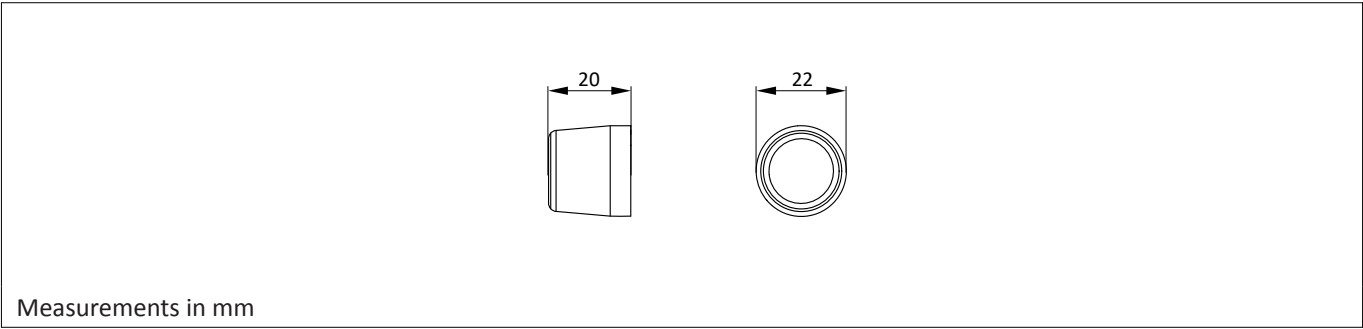
Product description



- Restricts the opening width (pinch protection)
- Damps the impact between sash and frame
- For asymmetric construction



Dimensions



Ordering information for individual parts

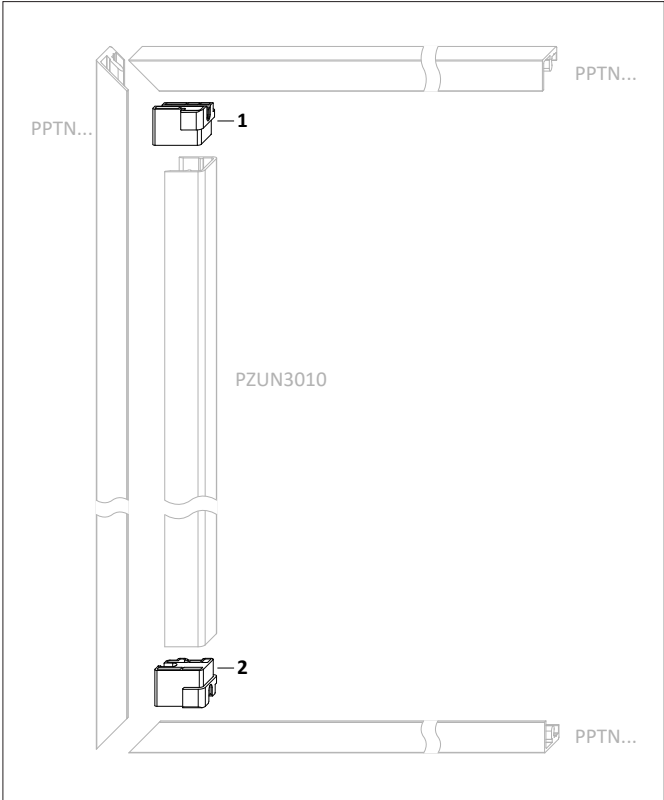
Material description	Material number	Surface	Colour	Sales unit
Stop HS B1	PZUB0230-00201_	none	RAL 9003 signal white	1
Stop HS B1	PZUB0230-00202_	none	RAL 9003 signal white	10
Stop HS B1	PZUB0230-02101_	none	RAL 7035 agate grey	1
Stop HS B1	PZUB0230-02102_	none	RAL 7035 agate grey	10
Stop HS B1	PZUB0230-02301_	none	RAL 9005 jet black	1
Stop HS B1	PZUB0230-02302_	none	RAL 9005 jet black	10

5.6 Corner piece

Product description



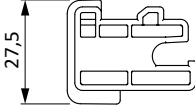
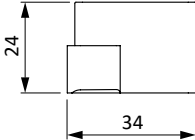
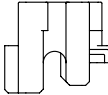
- End of the locking rail VS
- Never use corner pieces on their own



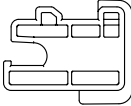
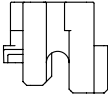
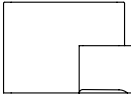
Version shown in DIN LH; DIN RH is a mirror image

Dimensions

1



2



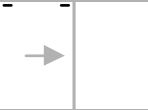
Measurements in mm

Ordering information for individual parts

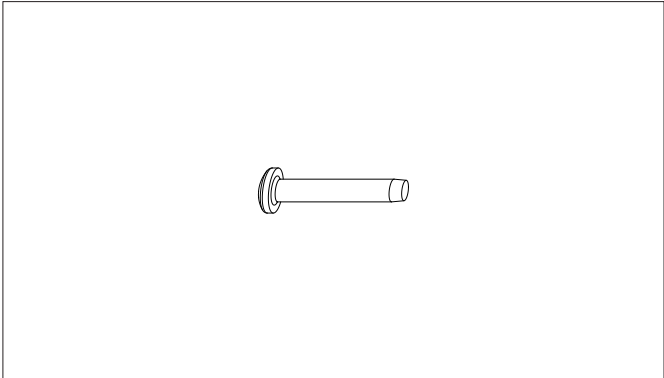
Item	Material description	Material number	Surface	Colour	Sales unit
1	Corner piece R-U/L-O ES CO	PZUN3062-04001_	none	Stainless steel silver	1
		PZUN3062-04003_	none	Stainless steel silver	20
2	Corner piece L-U/R-O ES CO	PZUN3061-04001_	none	Stainless steel silver	1
		PZUN3061-04003_	none	Stainless steel silver	20

5.7 Restrictor RC2

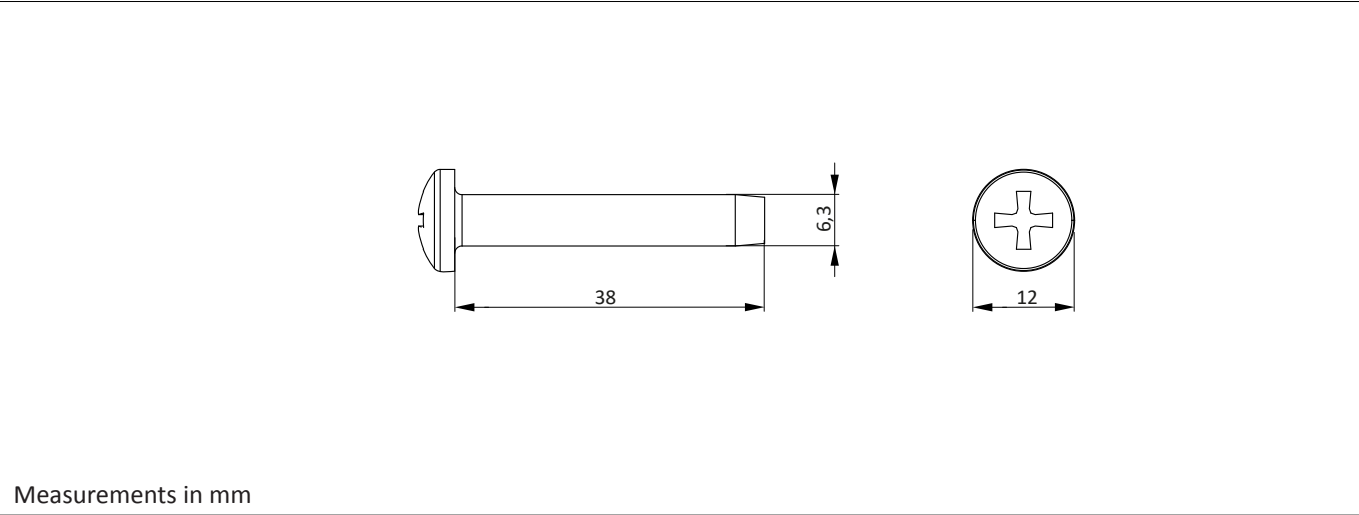
Product description



- For RC2 hardware
- Burglar resistant



Dimensions

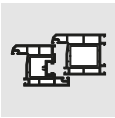


Ordering information for individual parts

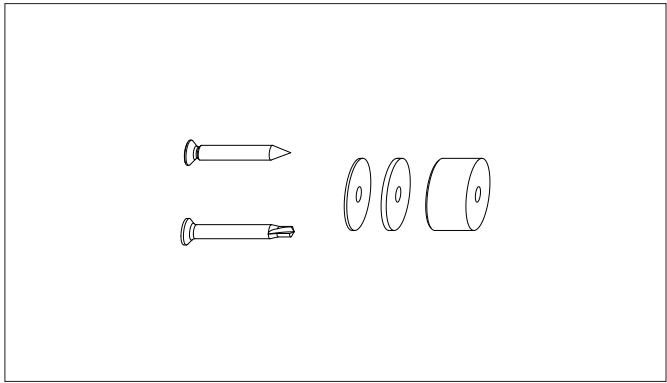
Material description	Material number	Surface	Colour	Sales unit
Pan head self tapping screw DIN 7981 B6.3x38-A2	848296	none	none	1

5.8 Restrictor RC2

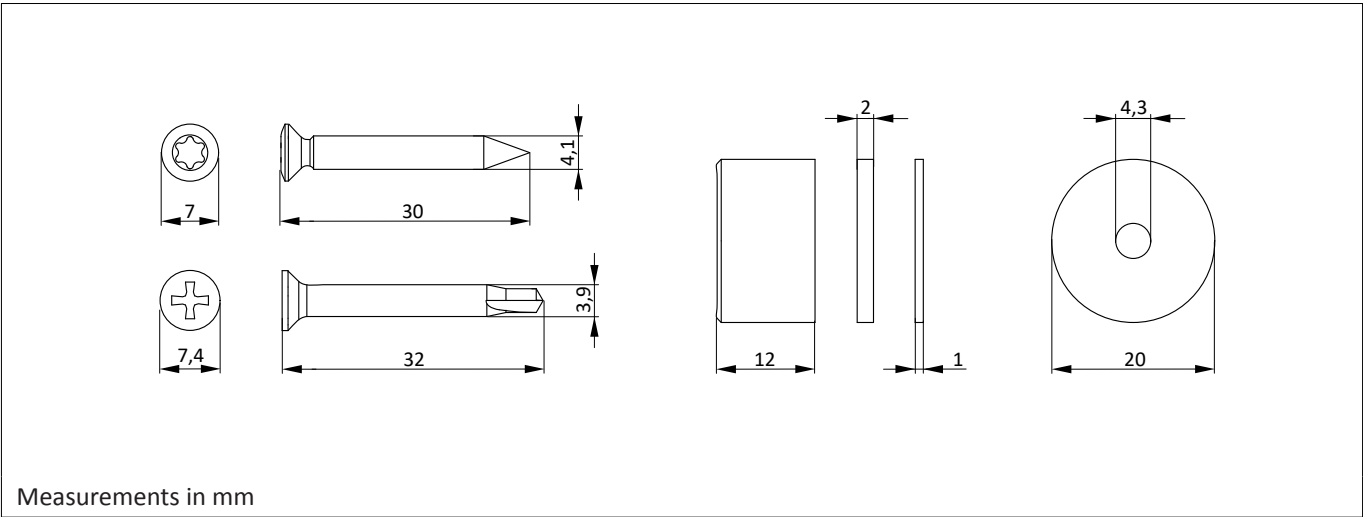
Product description



- For RC2 hardware
- Burglar resistant



Dimensions



Ordering information for individual parts

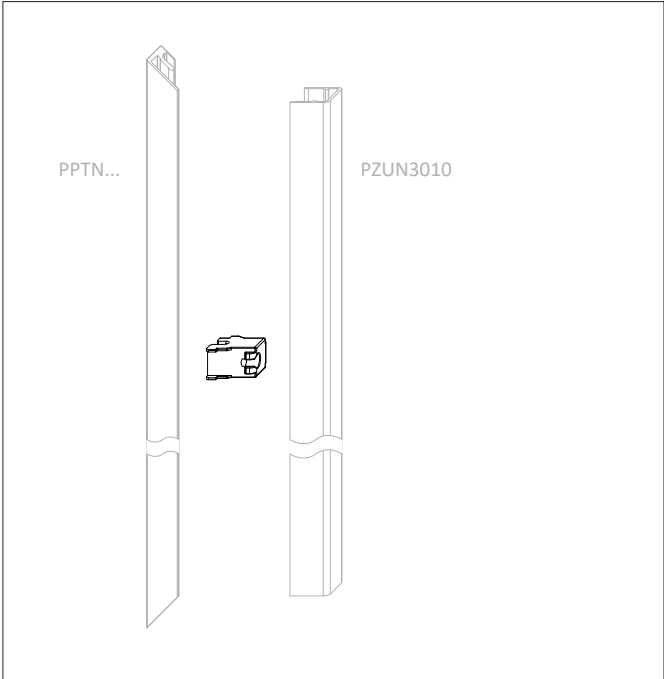
Material description	Material number	Surface	Colour	Sales unit
Bag restrictor PVC/ALU B2	PMZB4880-00011_	none	none	2
Bag restrictor PVC/ALU B20	PMZB4880-00003_	none	none	20

5.9 Supporting piece VS-SL

Product description



- Additional mounting point for locking rail VS

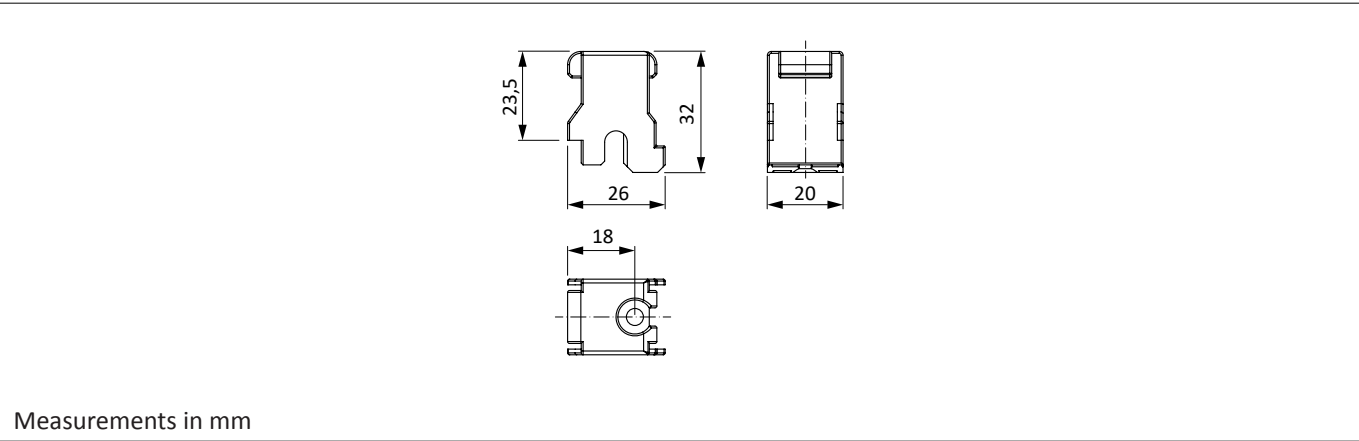


Technical specifications

Material description	Material number	Screws
Supporting piece VS-SL	PZUN3070-...	1

The size ranges are dependent on the respective system.

Dimensions



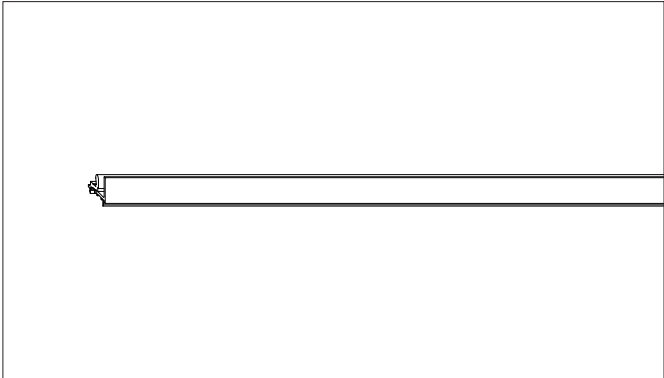
Ordering information for individual parts

Material description	Material number	Surface	Colour	Sales unit
Supporting piece VS-SL ES CO	PZUN3070-04001_	Stainless steel silver	none	1
Supporting piece VS-SL ES CO	PZUN3070-04003_	Stainless steel silver	none	20

5.10

Asaspen multifunctional rail

Product description

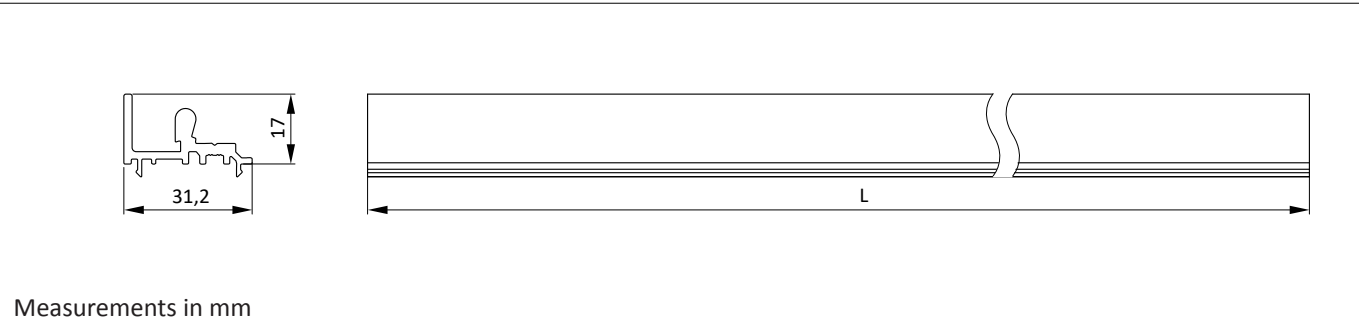


- System-specific
- Serves as running rail, guiding rail and locking rail
- Can be cut at an angle of 45° and mitred

Technical specifications

Material description	Material number	Length (mm)
MFS ES CO Asaspen size 600	PPTN3160-...	600

Dimensions

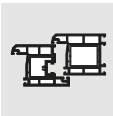


Ordering information for individual parts

Material description	Material number	Surface	Colour	Sales unit
MFS ES CO Asaspen size 600	PPTN3160-52443_	Aluminium	EV1 anodised	6
MFS ES CO Asaspen size 600	PPTN3160-5H943_	Aluminium	C35 anodised	6

5.11 Drutex multifunctional rail

Product description



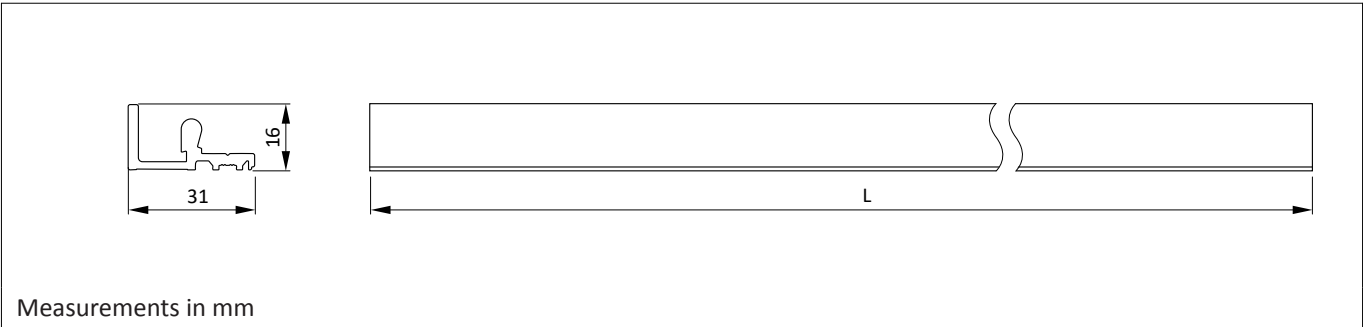
- System-specific
- Serves as running rail, guiding rail and locking rail
- Can be cut at an angle of 45° and mitred



Technical specifications

Material description	Material number	Length (mm)
MFS ES CO DRUTEX SZ 600	PPTN3140-...	600

Dimensions

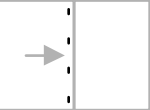


Ordering information for individual parts

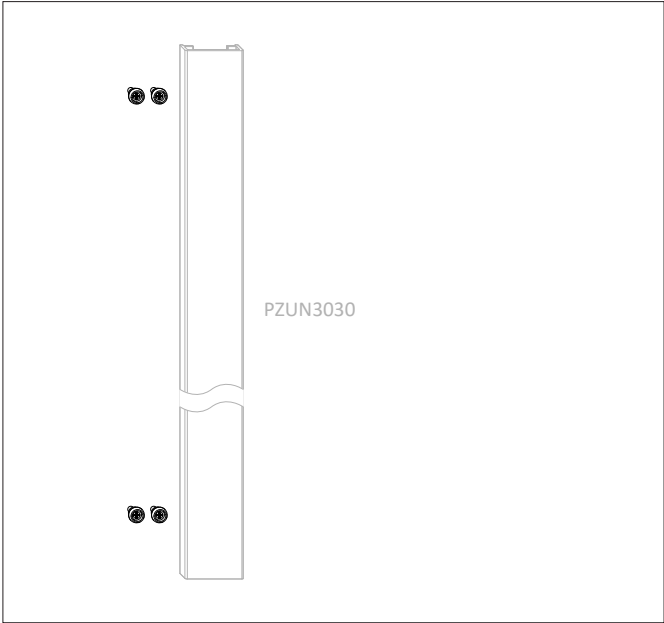
Material description	Material number	Surface	Colour	Sales unit
MFS ES CO DRUTEX SZ 600	PPTN3140-52443_	Aluminium	EV1 anodised	6
MFS ES CO DRUTEX SZ 600	PPTN3140-52462_	Aluminium	EV1 anodised	360
MFS ES CO DRUTEX SZ 600	PPTN3140-5H943_	Aluminium	C35 anodised	6
MFS ES CO DRUTEX SZ 600	PPTN3140-5H962_	Aluminium	C35 anodised	360

5.12 Nipple screw for striker MP

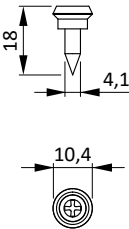
Product description



- Additional locking points for the locking rail MP



Dimensions



Measurements in mm

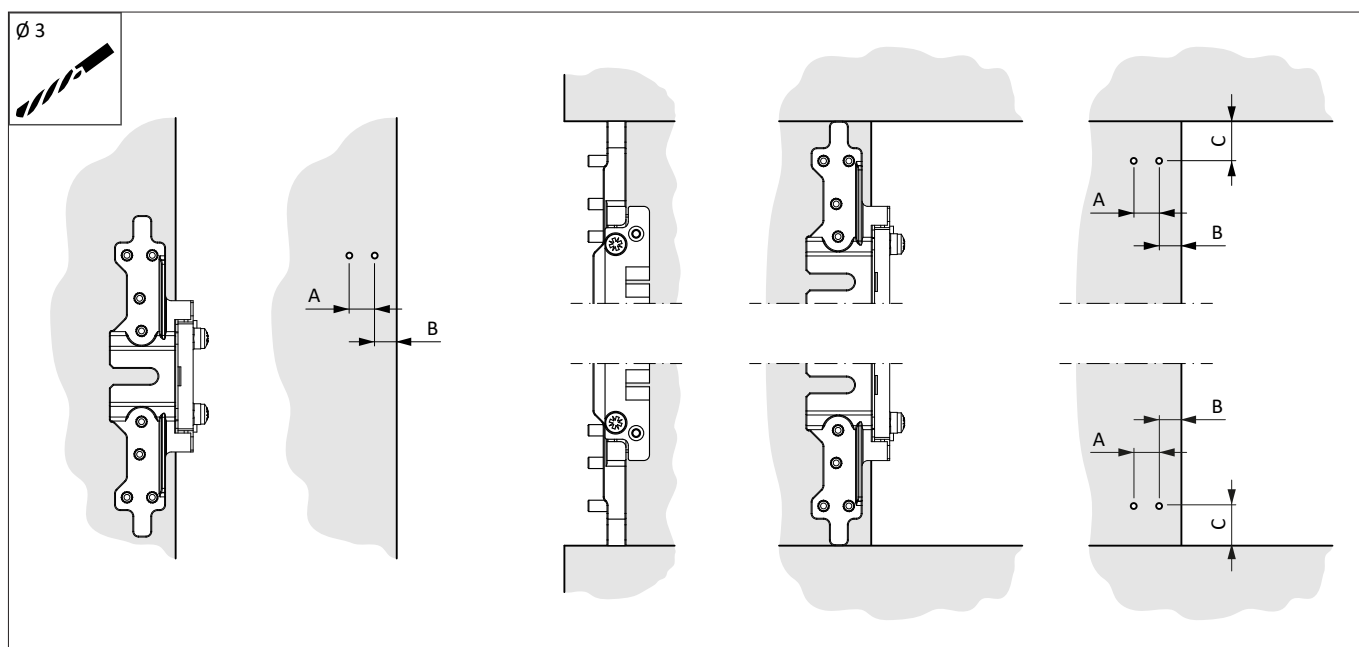
Ordering information for individual parts

Material description	Material number	Surface	Colour	Sales unit
Nipple screw for striker MP ES CO	PZUN3080-00006_	none	none	100
Nipple screw for striker MP ES CO	PZUN3080-00029_	none	none	1000

Ordering information for assembly accessories

Material description	Material number	Surface	Colour	Sales unit
S-MP ES CO Asas B1 jig	PABN3160-00001_	none	none	1
S-MP ES CO Drutex B1 jig	PABN3170-00001_	none	none	1

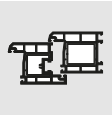
Drilling and milling dimensions



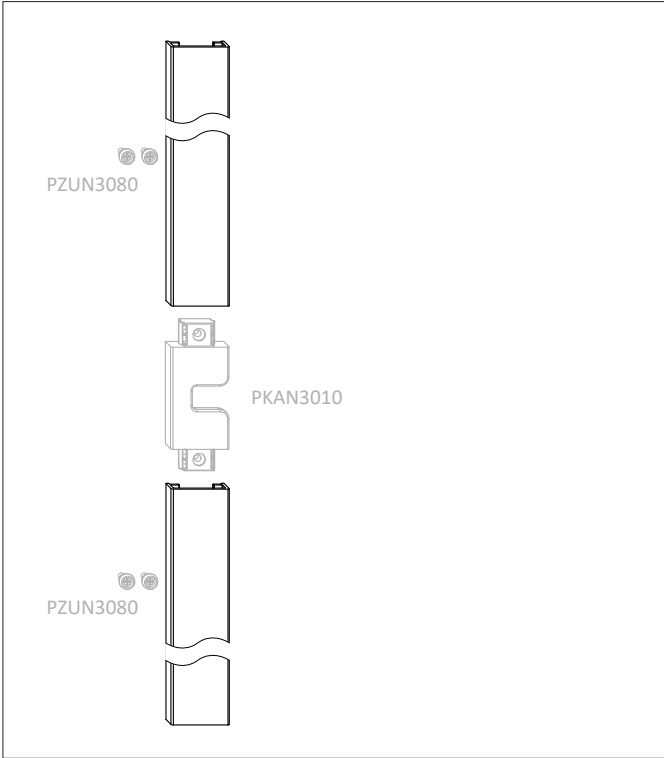
Profile system	Material number	Dimension A (mm)	Dimension B (mm)	Dimension C (mm)
Asaspen	PABN3160-...	13.4	15.1	55
Drutex	PABN3170-...	13.4	12.1	51

5.13 MP locking rail

Product description



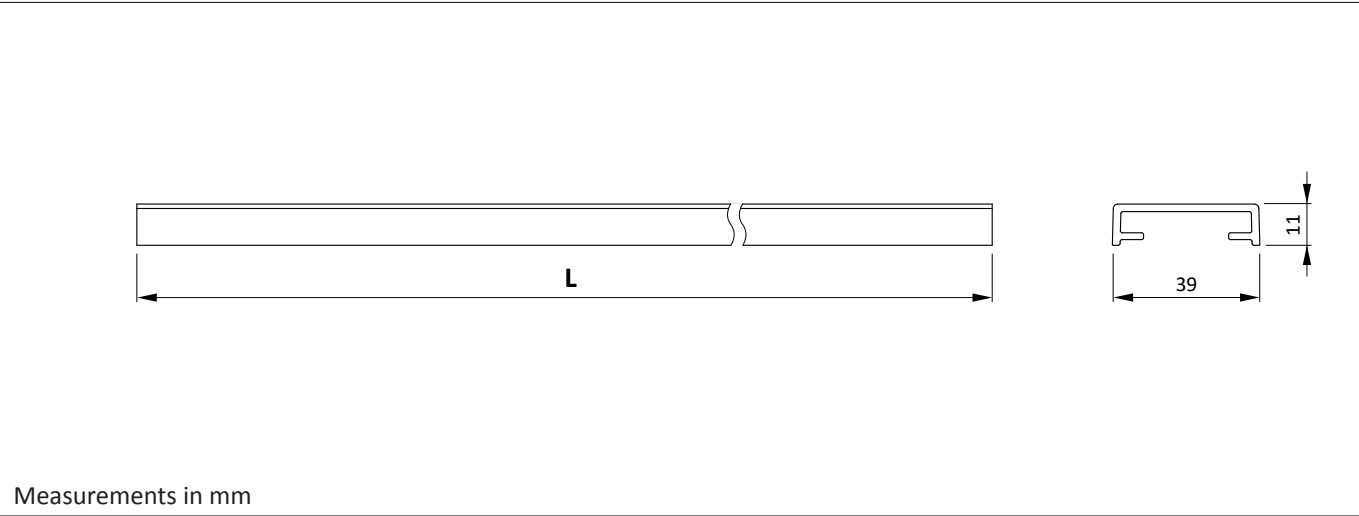
- Is attached to the cover cap and to the nipple screw
- Inserts the strikers visually seamlessly into the frame



Technical specifications

Material description	Material number	Length (mm)
Locking rail MP ES CO size 600	PZUN3030-...	6000
Locking rail MP ES CO size 300	PZUN3040-...	3000

Dimensions



Ordering information for individual parts

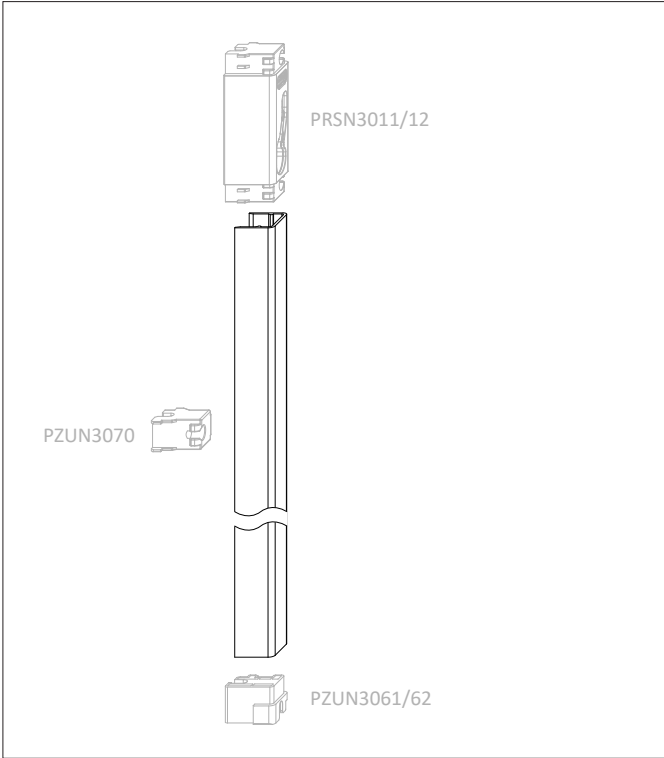
Material description	Material number	Surface	Colour	Sales unit
Locking rail MP ES CO size 300	PZUN3040-02101_	none	RAL 7035 agate grey	1
Locking rail MP ES CO size 300	PZUN3040-02112_	none	RAL 7035 agate grey	5
Locking rail MP ES CO size 300	PZUN3040-02301_	none	RAL 9005 jet black	1
Locking rail MP ES CO size 300	PZUN3040-02312_	none	RAL 9005 jet black	5
Locking rail MP ES CO size 300	PZUN3040-00401_	none	RAL 9016	1
Locking rail MP ES CO size 300	PZUN3040-00412_	none	RAL 9016	5
Locking rail MP ES CO size 600	PZUN3030-02101_	none	RAL 7035 agate grey	1
Locking rail MP ES CO size 600	PZUN3030-02112_	none	RAL 7035 agate grey	5
Locking rail MP ES CO size 600	PZUN3030-02301_	none	RAL 9005 jet black	1
Locking rail MP ES CO size 600	PZUN3030-02312_	none	RAL 9005 jet black	5
Locking rail MP ES CO size 600	PZUN3030-00401_	none	RAL 9016	1
Locking rail MP ES CO size 600	PZUN3030-00412_	none	RAL 9016	5

5.14 VS locking rail

Product description



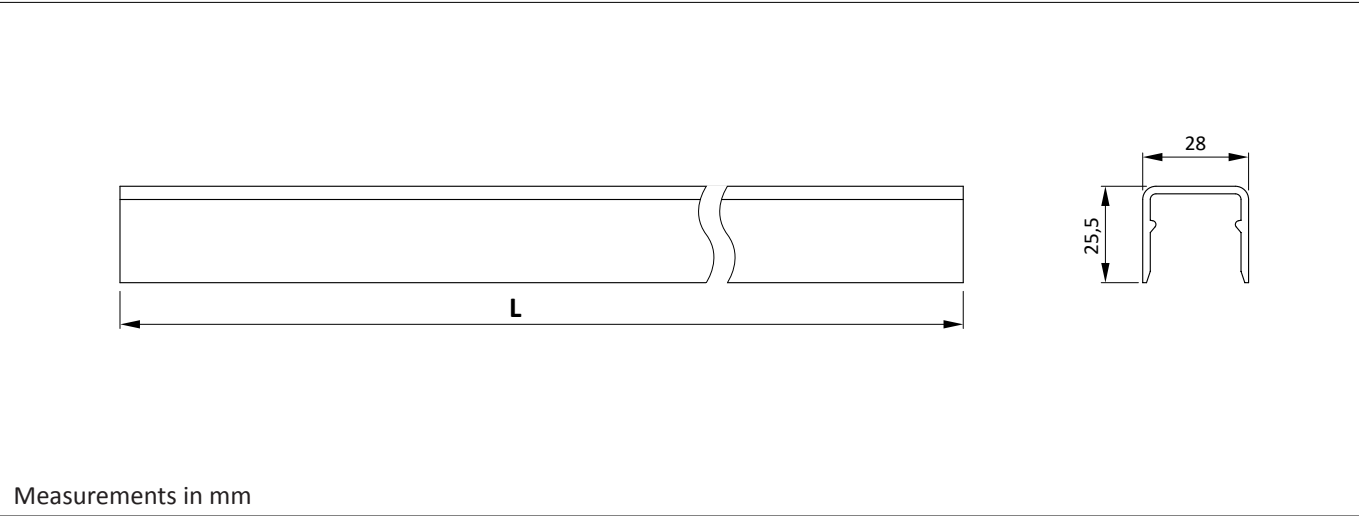
- Is attached to the strikers VS-SL and to the supporting piece
- Inserts the strikers visually seamlessly into the frame



Technical specifications

Material description	Material number	Length (mm)
Locking rail VS ES CO size 600	PZUN3010-...	6000
Locking rail VS ES CO size 300	PZUN3020-...	3000

Dimensions

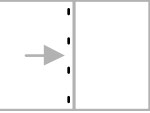


Ordering information for individual parts

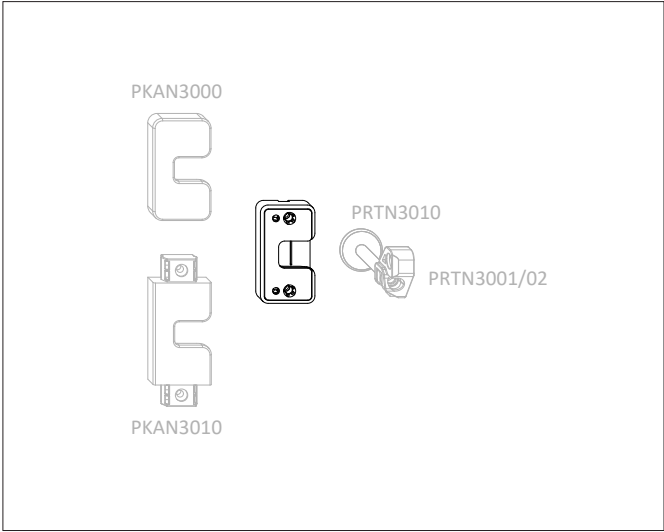
Material description	Material number	Surface	Colour	Sales unit
Locking rail MP ES CO size 300	PZUN3040-02101_	none	RAL 7035 agate grey	1
Locking rail MP ES CO size 300	PZUN3040-02112_	none	RAL 7035 agate grey	5
Locking rail MP ES CO size 300	PZUN3040-02301_	none	RAL 9005 jet black	1
Locking rail MP ES CO size 300	PZUN3040-02312_	none	RAL 9005 jet black	5
Locking rail MP ES CO size 300	PZUN3040-00401_	none	RAL 9016	1
Locking rail MP ES CO size 300	PZUN3040-00412_	none	RAL 9016	5
Locking rail MP ES CO size 600	PZUN3030-02101_	none	RAL 7035 agate grey	1
Locking rail MP ES CO size 600	PZUN3030-02112_	none	RAL 7035 agate grey	5
Locking rail MP ES CO size 600	PZUN3030-02301_	none	RAL 9005 jet black	1
Locking rail MP ES CO size 600	PZUN3030-02312_	none	RAL 9005 jet black	5
Locking rail MP ES CO size 600	PZUN3030-00401_	none	RAL 9016	1
Locking rail MP ES CO size 600	PZUN3030-00412_	none	RAL 9016	5

5.15 Striker MP

Product description



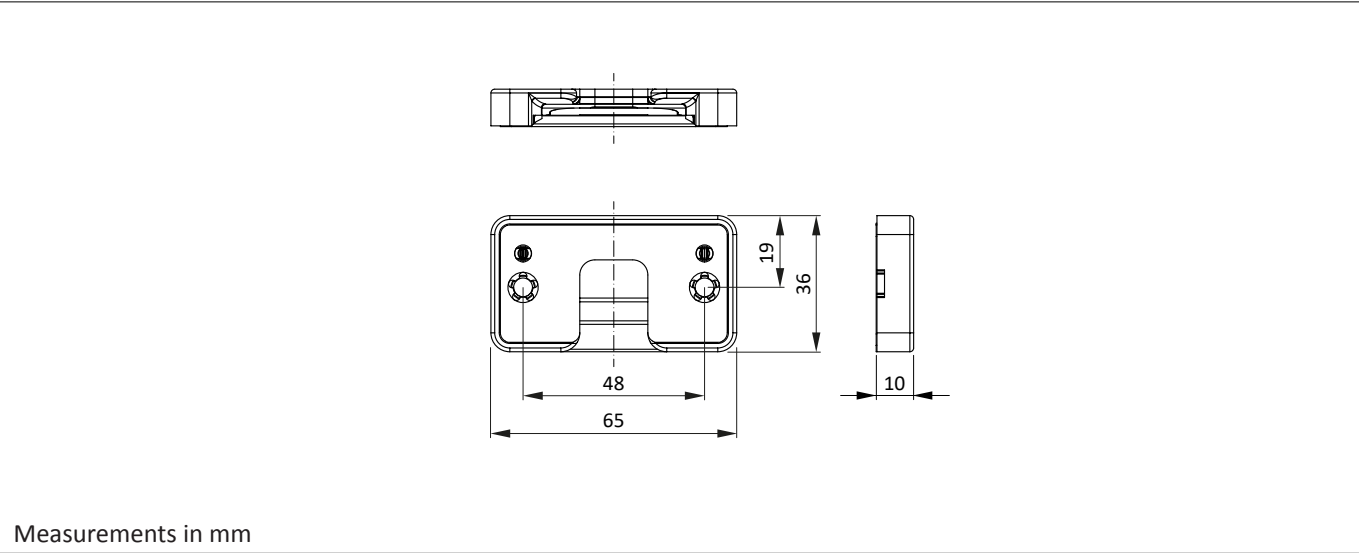
- Frame side locking part on the central position
- Integrated overrun brake



Technical specifications

Material description	Material number	Screws
Striker MP	PRSN3020-...	2

Dimensions



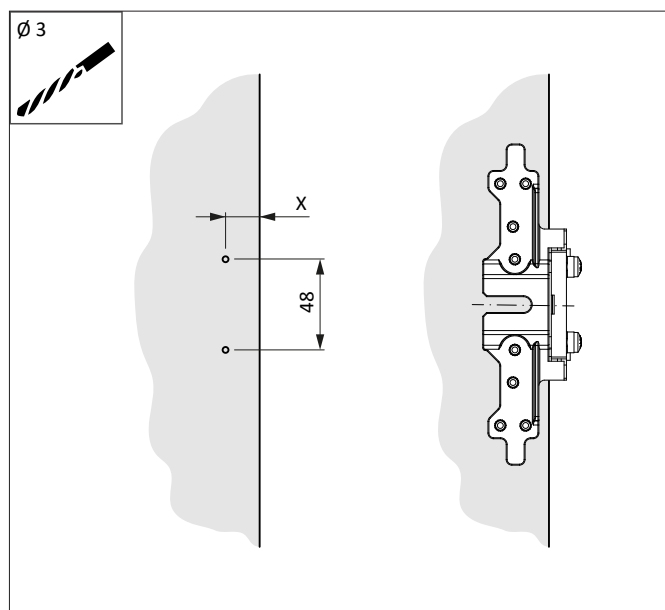
Ordering information for individual parts

Material description	Material number	Surface	Colour	Sales unit
Striker MP ES CO	PRSN3020-02101_	none	RAL 7035 agate grey	1
Striker MP ES CO	PRSN3020-02104_	none	RAL 7035 agate grey	25
Striker MP ES CO	PRSN3020-02301_	none	RAL 9005 jet black	1
Striker MP ES CO	PRSN3020-02304_	none	RAL 9005 jet black	25
Striker MP ES CO	PRSN3020-00401_	none	RAL 9016	1
Striker MP ES CO	PRSN3020-00404_	none	RAL 9016	25

Ordering information for assembly accessories

Material description	Material number	Surface	Colour	Sales unit
S-MP ES CO Asas B1 jig	PABN3160-00001_	none	none	1
S-MP ES CO Drutex B1 jig	PABN3170-00001_	none	none	1

Drilling and milling dimensions



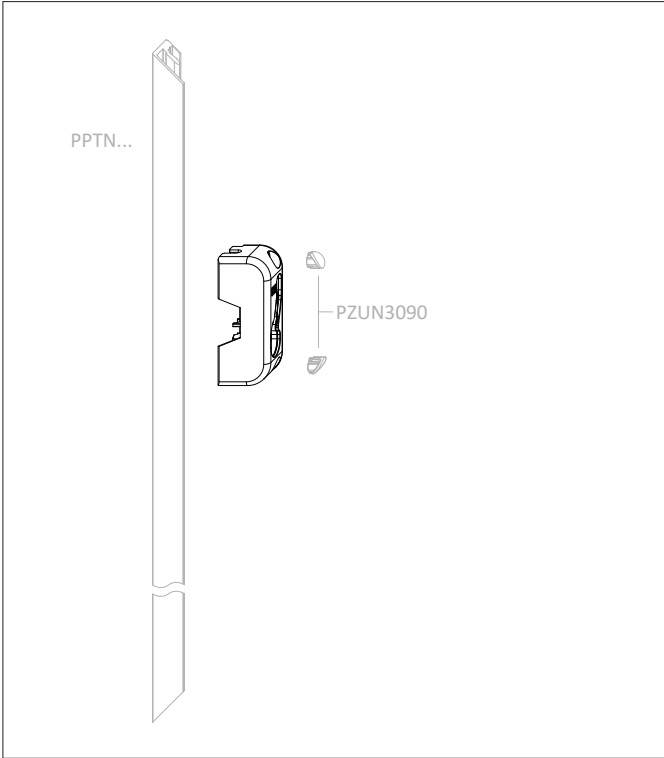
Profile system	Material number	Dimension X (mm)
Asaspen	PABN3160-...	20.8
Drutex	PABN3170-...	17.8

5.16 VS striker

Product description



- Frame side locking part on the locking side
- Integrated stop buffer
- Dependent on DIN orientation



Technical specifications

Material description	Material number	Screws
Striker VS	PRSN3001-...	2

Dimensions

LH as shown, RH mirror image
Measurements in mm

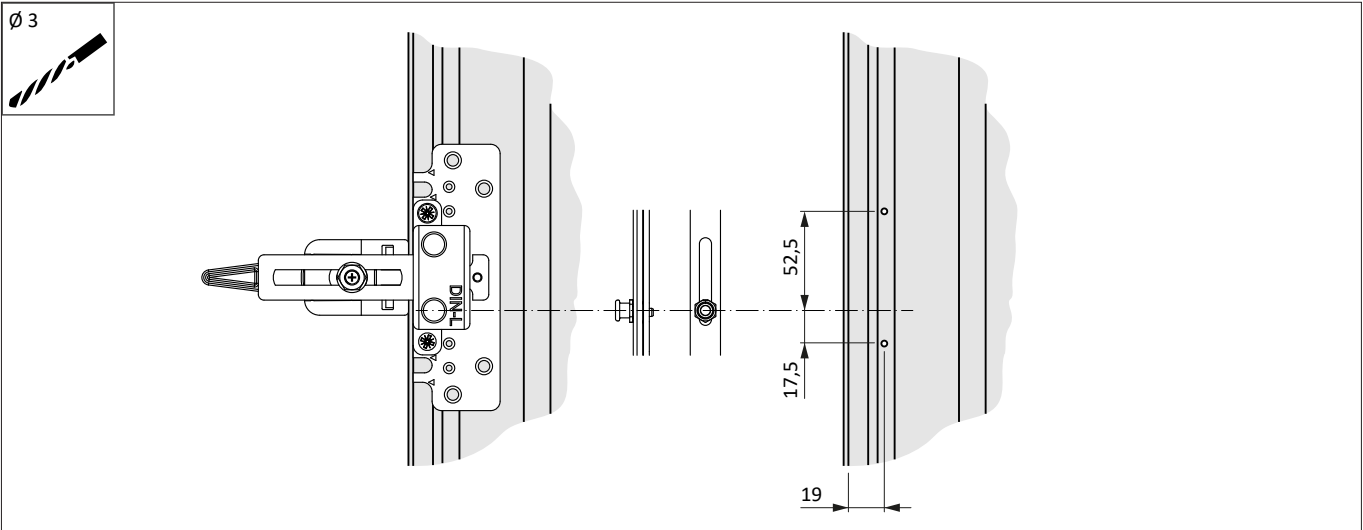
Ordering information for individual parts

Material description	DIN direction	Material number	Surface	Colour	Sales unit
VS striker	right	PRSN3001-10001_	Titanium silver	none	1
		PRSN3001-10004_	Titanium silver	none	25
	left	PRSN3002-10001_	Titanium silver	none	1
		PRSN3002-10004_	Titanium silver	none	25

Ordering information for assembly accessories

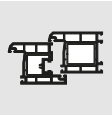
Material description	Material number
Jig ST-VS ES CO	PABN3010-50001_

Drilling and milling dimensions

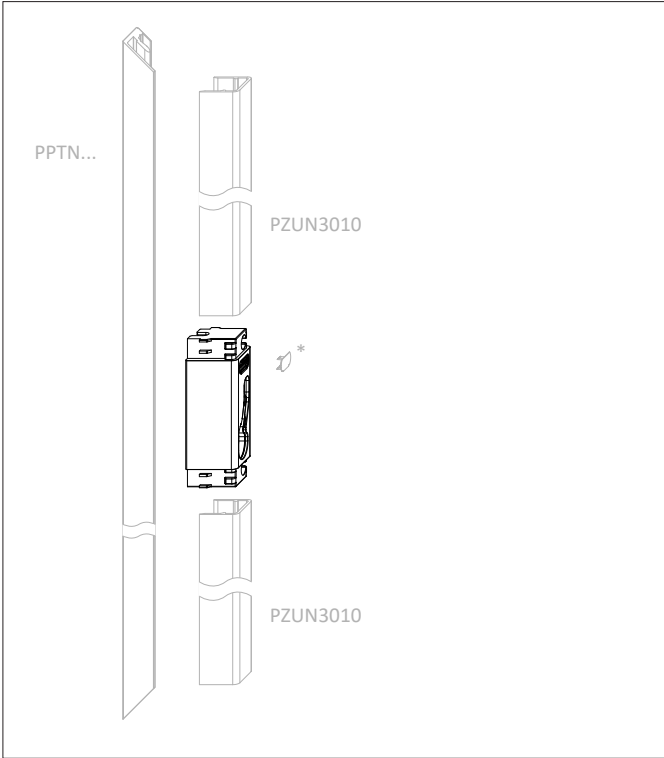


5.17 VS-SL striker

Product description



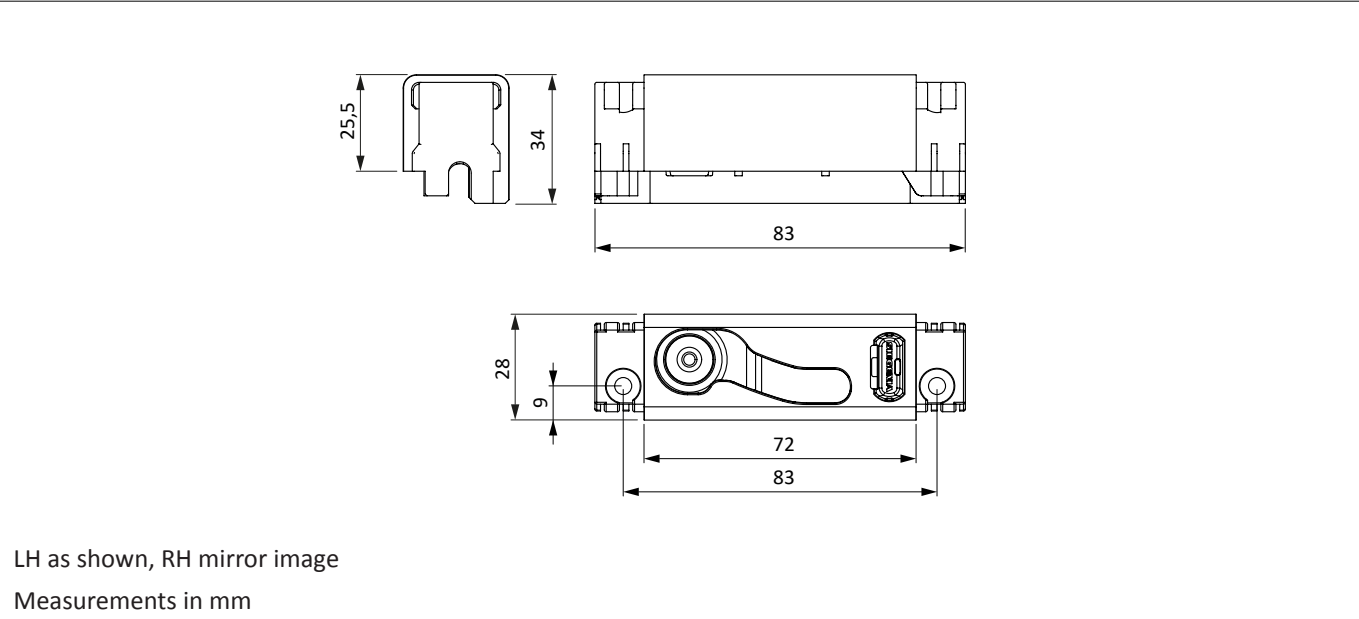
- Frame side locking part on the locking side
- Mounting point for locking rail VS
- Integrated stop buffer
- Can be equipped with logo clip
- Dependent on DIN orientation



Technical specifications

Material description	Material number	Screws
Striker VS-SL	PRSN3011-...	2

Dimensions



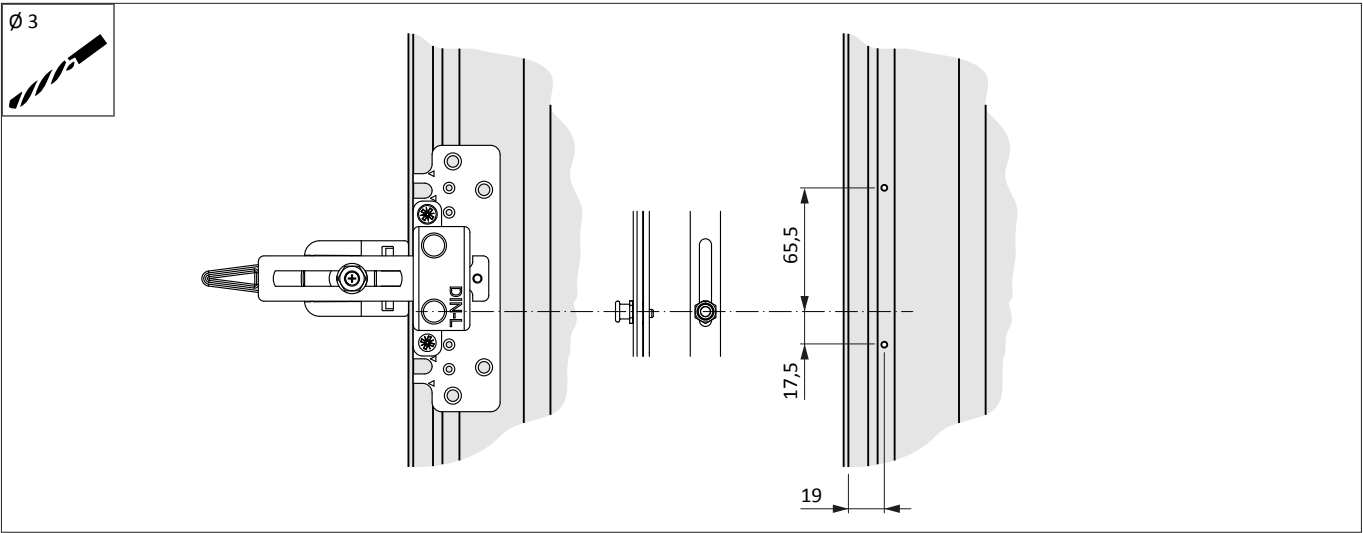
Ordering information for individual parts

Material description	DIN direction	Material number	Surface	Colour	Sales unit
VS-SL striker	right	PRSN3011-10001_	Titanium silver	none	1
		PRSN3011-10004_	Titanium silver	none	25
		PRSN3011-70001_	ZE black	none	1
		PRSN3011-70004_	ZE black	none	25
	left	PRSN3012-10001_	Titanium silver	none	1
		PRSN3012-10004_	Titanium silver	none	25
		PRSN3012-70001_	ZE black	none	1
		PRSN3012-70004_	ZE black	none	25

Ordering information for assembly accessories

Material description	Material number
Jig ST-VS ES CO	PABN3010-50001_

Drilling and milling dimensions



6 Sash parts

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6.15 LINKAGE MPO 108

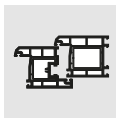
6.16 LINKAGE MPU 110

6.17 HORIZONTAL LINKAGE 112

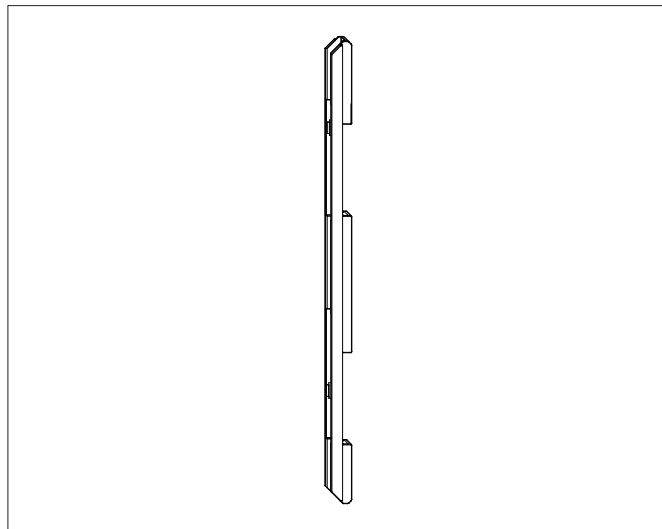
6.18 HORIZONTAL, CUT-TO-LENGTH LINKAGE ... 114

6.1 Lockable gear cover cap

Product description

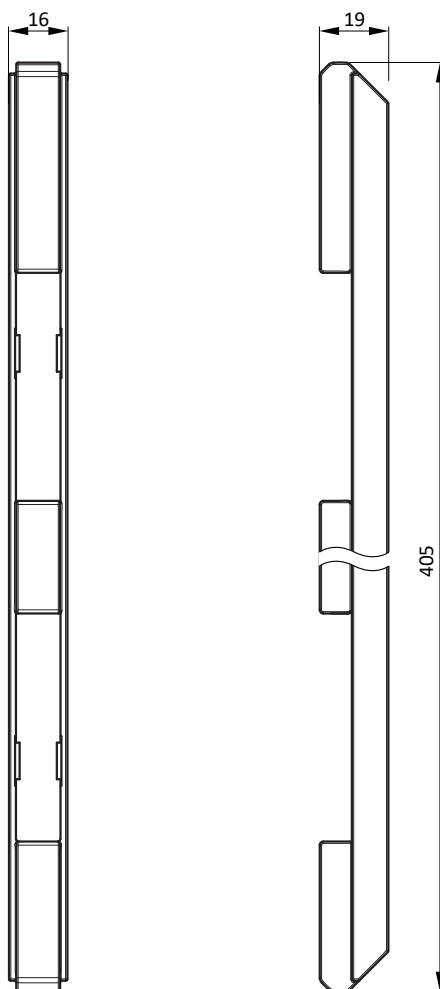


- Covers the side of the gearbox offset
- Acts as a support for the screw connection of the gear



6

Dimensions



Measurements in mm

Ordering information for individual parts

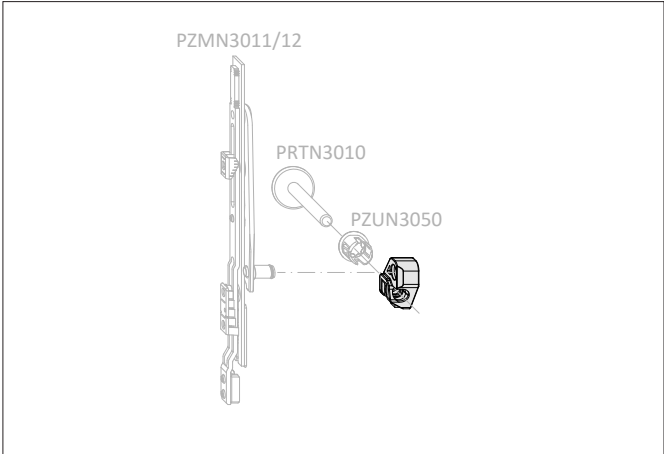
Material description	Material number	Surface	Colour	Sales unit
Gear cover cap 15-20 A.D.	PGZN0150-10001_	none	RAL 9005 jet black	1
Gear cover cap 15-20 A.D.	PGZN0150-10004_	none	RAL 9005 jet black	25

6.2 MV MP adapter

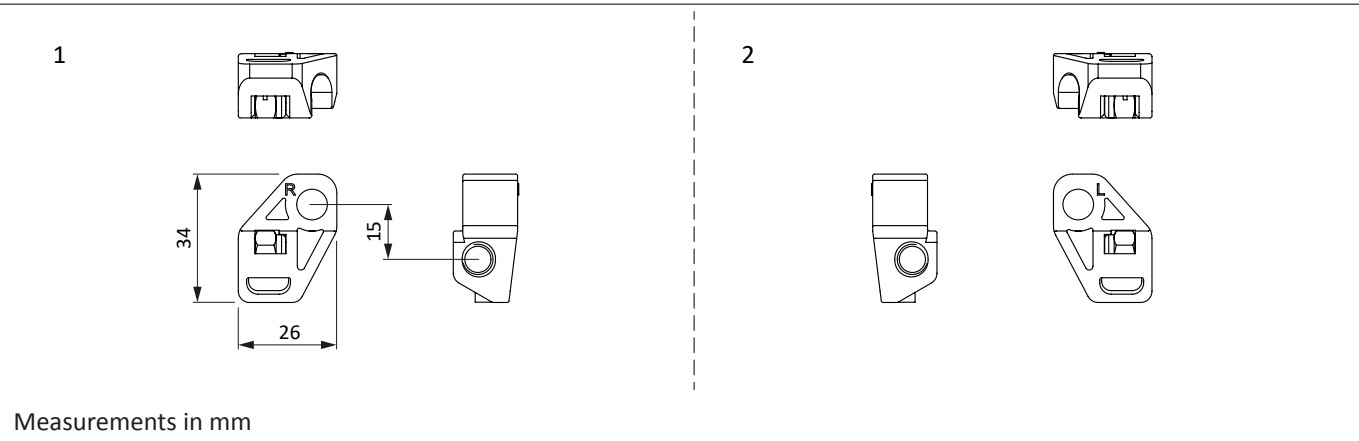
Product description



- For screwing in the locking bolt
- Deflects the stroke of the locking bolt.
- Is attached to the bolt of the linkage
- Dependent on DIN orientation



Dimensions

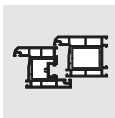


Ordering information for individual parts

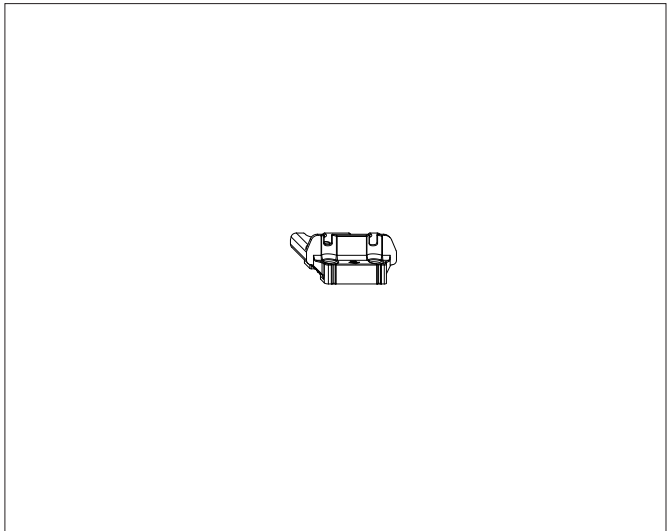
Item	Material description	DIN direction	Material number	Surface	Colour	Sales unit
1	Adapter MV MP ES CO	right	PRTN3001-10001_	Titanium silver	none	1
			PRTN3001-10004_	Titanium silver	none	25
2	Adapter MV MP ES CO	left	PRTN3002-10001_	Titanium silver	none	1
			PRTN3002-10004_	Titanium silver	none	25

6.3 Sash component for stop

Product description



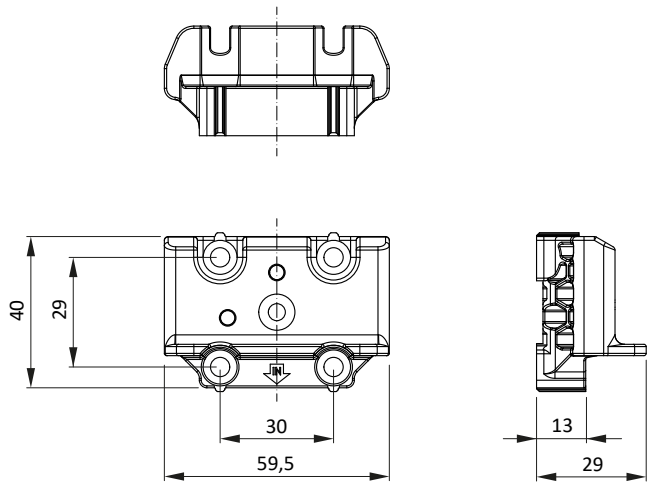
- Stop for ES CO stop
- Stop for Soft stop
- Counterpart of the anti-lift device (system-specific)
- Airgap restrictor in the area of the centre position



Technical specifications

Material description	Material number	Screws
Sash component for stop	PZZN3020-...	4

Dimensions



Measurements in mm

Catalogue of fittings

Sash component for stop

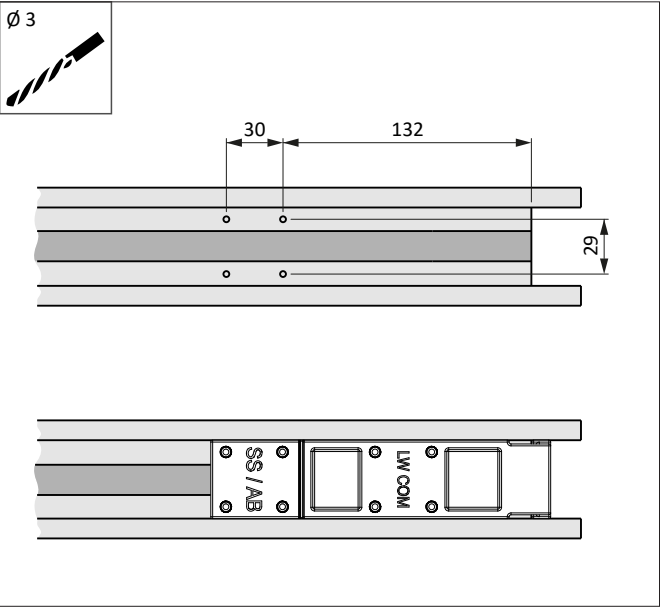
Ordering information for individual parts

Material description	Material number	Surface	Colour	Sales unit
Sash component for stop	PZZN3020-10001_	none	RAL 9005 jet black	1
	PZZN3020-10004_	none	RAL 9005 jet black	25

Ordering information for assembly accessories

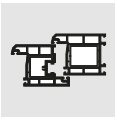
Material description	Material number
ES CO LW COM / AB and SS jig	PABN3320-09701_

Drilling and milling dimensions

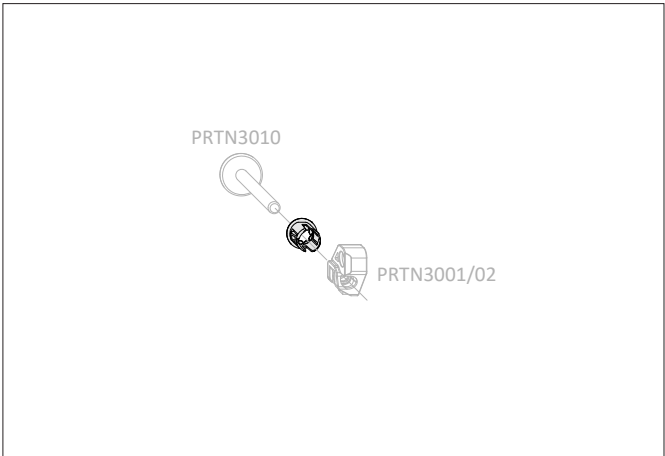


6.4 Sash sleeve MV MP

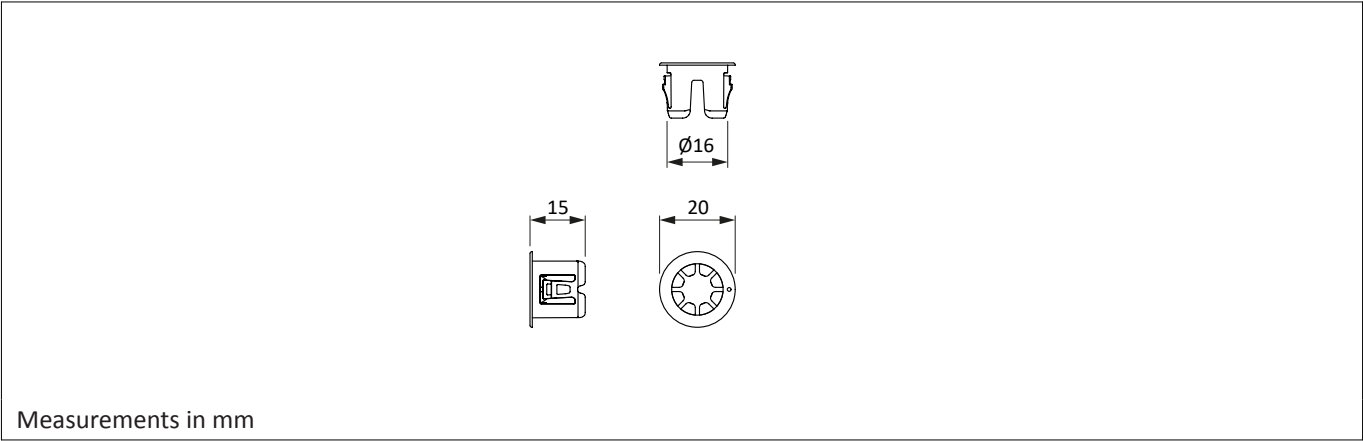
Product description



- Optional component
- Centres the locking bolt in the sash rebate
- Dampens functional noises
- Covers the hole



Dimensions



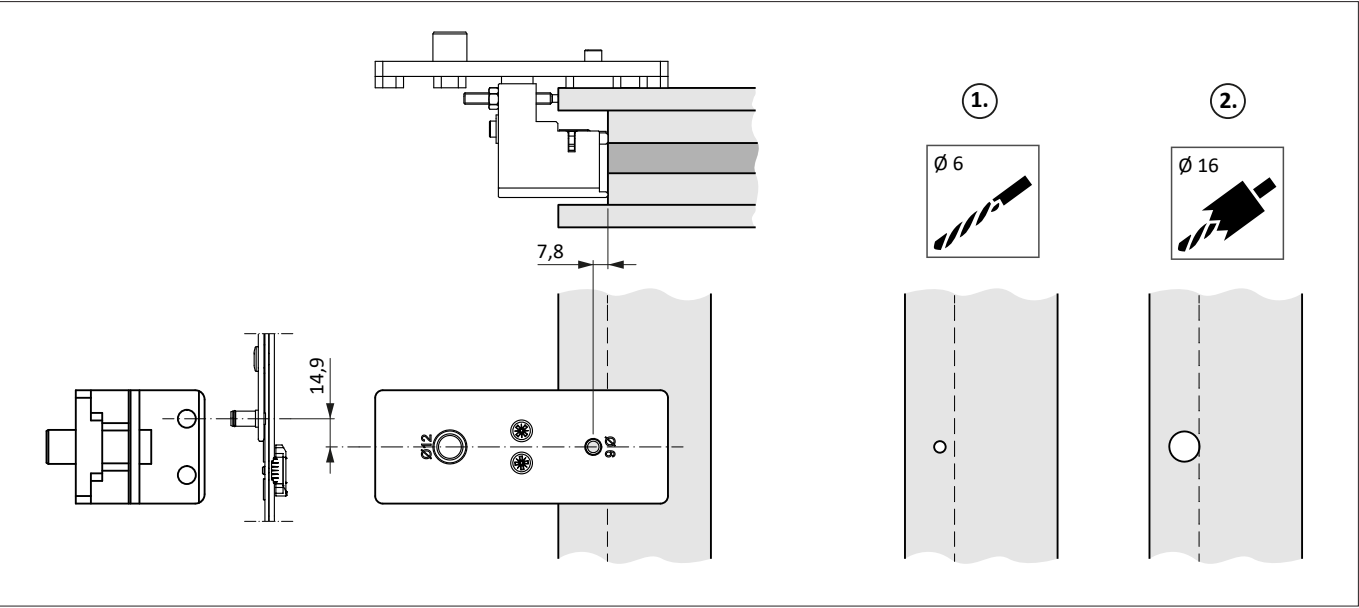
Ordering information for individual parts

Material description	Material number	Surface	Colour	Sales unit
Sash sleeve MP ES CO	PZUN3050-02101_	none	RAL 7035 agate grey	1
	PZUN3050-02103_	none	RAL 7035 agate grey	20
	PZUN3050-02301_	none	RAL 9005 jet black	1
	PZUN3050-02303_	none	RAL 9005 jet black	20

Ordering information for assembly accessories

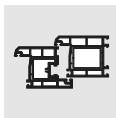
Material description	Material number
Jig for sash MV MP ES CO	PABN3000-09701_

Drilling and milling dimensions

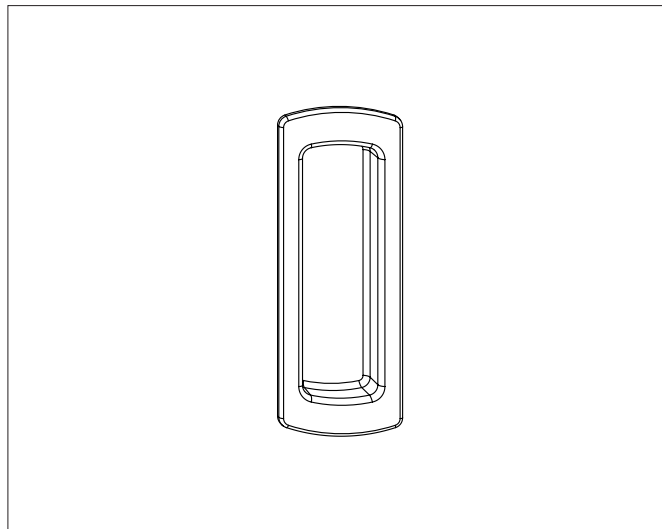


6.5 Sliding grip

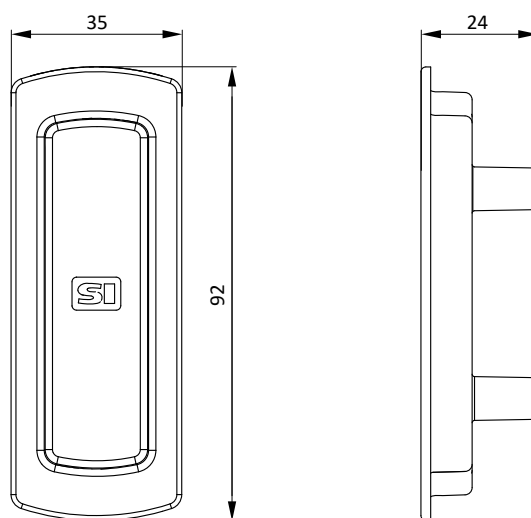
Product description



- For operating the door from outside



Dimensions



Measurements in mm

Catalogue of fittings

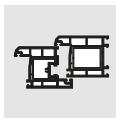
Sliding grip

Ordering information for individual parts

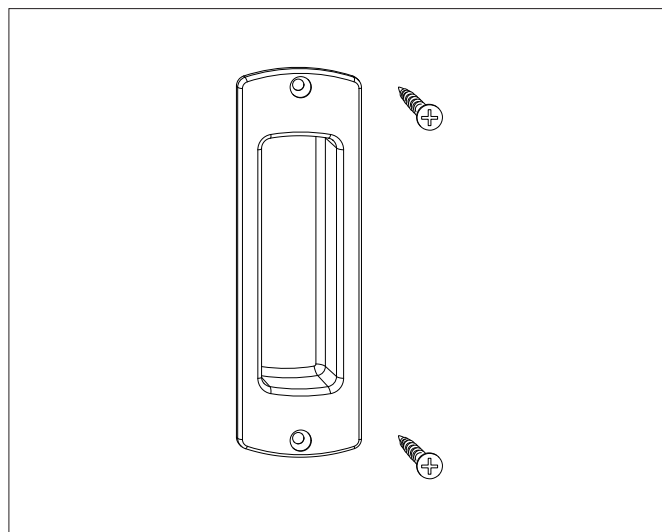
Material description	Material number	Surface	Colour	Sales unit
43 mm sliding grip	PSMN3000-50001_	none	none	1
43 mm sliding grip	PSMN3000-50201_	none	none	10
43 mm sliding grip	PSMN3000-50202_	none	RAL 9003 signal white	1
43 mm sliding grip	PSMN3000-51201_	none	RAL 9003 signal white	10
43 mm sliding grip	PSMN3000-51202_	none	RAL 8022 black brown	1
43 mm sliding grip	PSMN3000-50001_	none	RAL 8022 black brown	10
43 mm sliding grip	PSMN3000-52301_	none	RAL 9005 jet black	1
43 mm sliding grip	PSMN3000-52302_	none	RAL 9005 jet black	10
43 mm sliding grip	PSMN3000-52401_	none	EV1 anodised	1
43 mm sliding grip	PSMN3000-52402_	none	EV1 anodised	10
43 mm sliding grip	PSMN3000-53001_	none	C33 anodised	1
43 mm sliding grip	PSMN3000-53002_	none	C33 anodised	10
43 mm sliding grip	PSMN3000-5H001_	none	SI-old gold	1
43 mm sliding grip	PSMN3000-5H002_	none	SI-old gold	10
43 mm sliding grip	PSMN3000-5H401_	none	F9 anodised	1
43 mm sliding grip	PSMN3000-5H402_	none	F9 anodised	10

6.6 Sliding grip

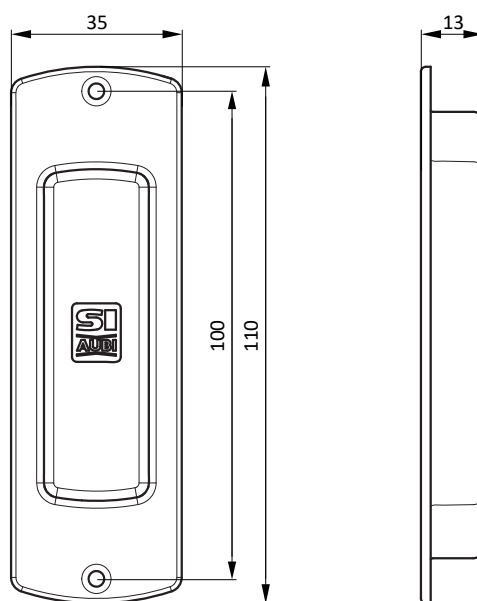
Product description



- For operating the door from outside



Dimensions



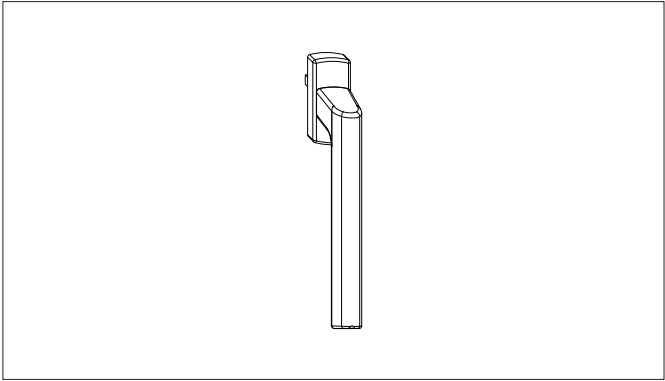
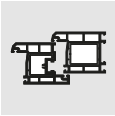
Measurements in mm

Ordering information for individual parts

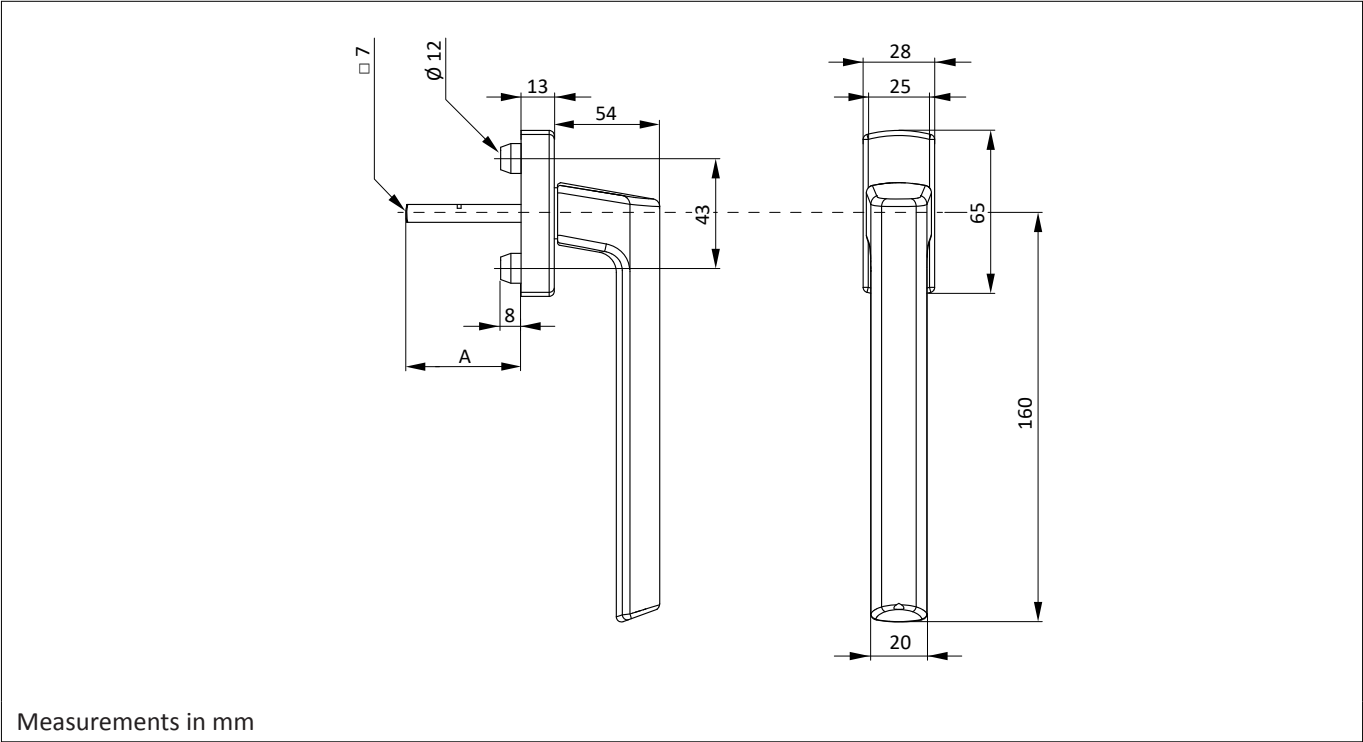
Material description	Material number	Surface	Colour	Sales unit
Si-line HS150 sliding grip	PSMB0040-50102_	none	RAL 9001 cream	10
Si-line HS150 sliding grip	PSMB0040-50201_	none	RAL 9003 signal white	1
Si-line HS150 sliding grip	PSMB0040-50202_	none	RAL 9003 signal white	10
Si-line HS150 sliding grip	PSMB0040-50401_	none	RAL 9016 traffic white	1
Si-line HS150 sliding grip	PSMB0040-50501_	none	RAL 1013 oyster white	1
Si-line HS150 sliding grip	PSMB0040-50601_	none	RAL 9018 papyrus white	1
Si-line HS150 sliding grip	PSMB0040-50701_	none	antique white	1
Si-line HS150 sliding grip	PSMB0040-50702_	none	antique white	10
Si-line HS150 sliding grip	PSMB0040-51201_	none	RAL 8022 black brown	1
Si-line HS150 sliding grip	PSMB0040-51202_	none	RAL 8022 black brown	10
Si-line HS150 sliding grip	PSMB0040-52301_	none	RAL 9005 jet black	1
Si-line HS150 sliding grip	PSMB0040-52302_	none	RAL 9005 jet black	10
Si-line HS150 sliding grip	PSMB0040-52501_	none	Silver	1
Si-line HS150 sliding grip	PSMB0040-52502_	none	Silver	10
Si-line HS150 sliding grip	PSMB0040-52701_	none	SI-new silver	1
Si-line HS150 sliding grip	PSMB0040-52702_	none	SI-new silver	10
Si-line HS150 sliding grip	PSMB0040-53101_	none	M-bronze	1
Si-line HS150 sliding grip	PSMB0040-53102_	none	M-bronze	10
Si-line HS150 sliding grip	PSMB0040-5H001_	none	SI-old gold	1
Si-line HS150 sliding grip	PSMB0040-5H402_	none	F9 anodised	10

6.7 Handle

Product description



Dimensions



Material description	Material number	A (mm)
SI-line PSK 40 handle	PHIJ0140-...	40
SI-line PSK 45 handle	PHIJ0040-...	45

Catalogue of fittings

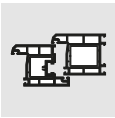
Handles

Ordering information for individual parts

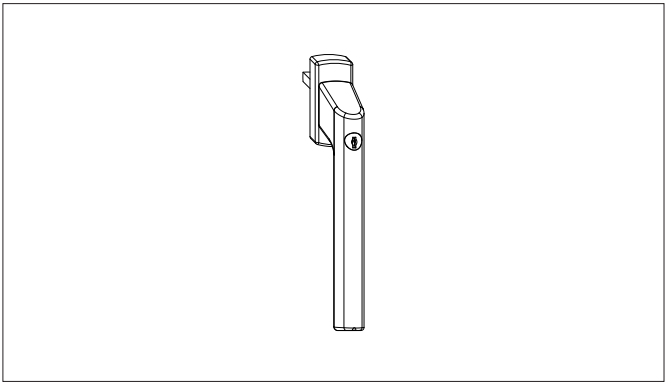
Material description	Material number	Surface	Colour	Sales unit
SI-line PSK 40 handle	PHIJ0140-50201_	none	RAL 9003 signal white	1
SI-line PSK 40 handle	PHIJ0140-50202_	none	RAL 9003 signal white	10
SI-line PSK 40 handle	PHIJ0140-51201_	none	RAL 8022 black brown	1
SI-line PSK 40 handle	PHIJ0140-51202_	none	RAL 8022 black brown	10
SI-line PSK 40 handle	PHIJ0140-52301_	none	RAL 9005 jet black	1
SI-line PSK 40 handle	PHIJ0140-52302_	none	RAL 9005 jet black	10
SI-line PSK 40 handle	PHIJ0140-52401_	none	EV1 anodised	1
SI-line PSK 40 handle	PHIJ0140-52402_	none	EV1 anodised	10
SI-line PSK 40 handle	PHIJ0140-53001_	none	C33 anodised	1
SI-line PSK 40 handle	PHIJ0140-53002_	none	C33 anodised	10
SI-line PSK 40 handle	PHIJ0140-5H401_	none	F9 anodised	1
SI-line PSK 40 handle	PHIJ0140-5H402_	none	F9 anodised	10
SI-line PSK 45 handle	PHIJ0040-50201_	none	RAL 9003 signal white	1
SI-line PSK 45 handle	PHIJ0040-50202_	none	RAL 9003 signal white	10
SI-line PSK 45 handle	PHIJ0040-51201_	none	RAL 8022 black brown	1
SI-line PSK 45 handle	PHIJ0040-51202_	none	RAL 8022 black brown	10
SI-line PSK 45 handle	PHIJ0040-52301_	none	RAL 9005 jet black	1
SI-line PSK 45 handle	PHIJ0040-52302_	none	RAL 9005 jet black	10
SI-line PSK 45 handle	PHIJ0040-52401_	none	EV1 anodised	1
SI-line PSK 45 handle	PHIJ0040-52402_	none	EV1 anodised	10
SI-line PSK 45 handle	PHIJ0040-53001_	none	C33 anodised	1
SI-line PSK 45 handle	PHIJ0040-53002_	none	C33 anodised	10
SI-line PSK 45 handle	PHIJ0040-LH402_	none	Steel colour	10

6.8 Handle lockable

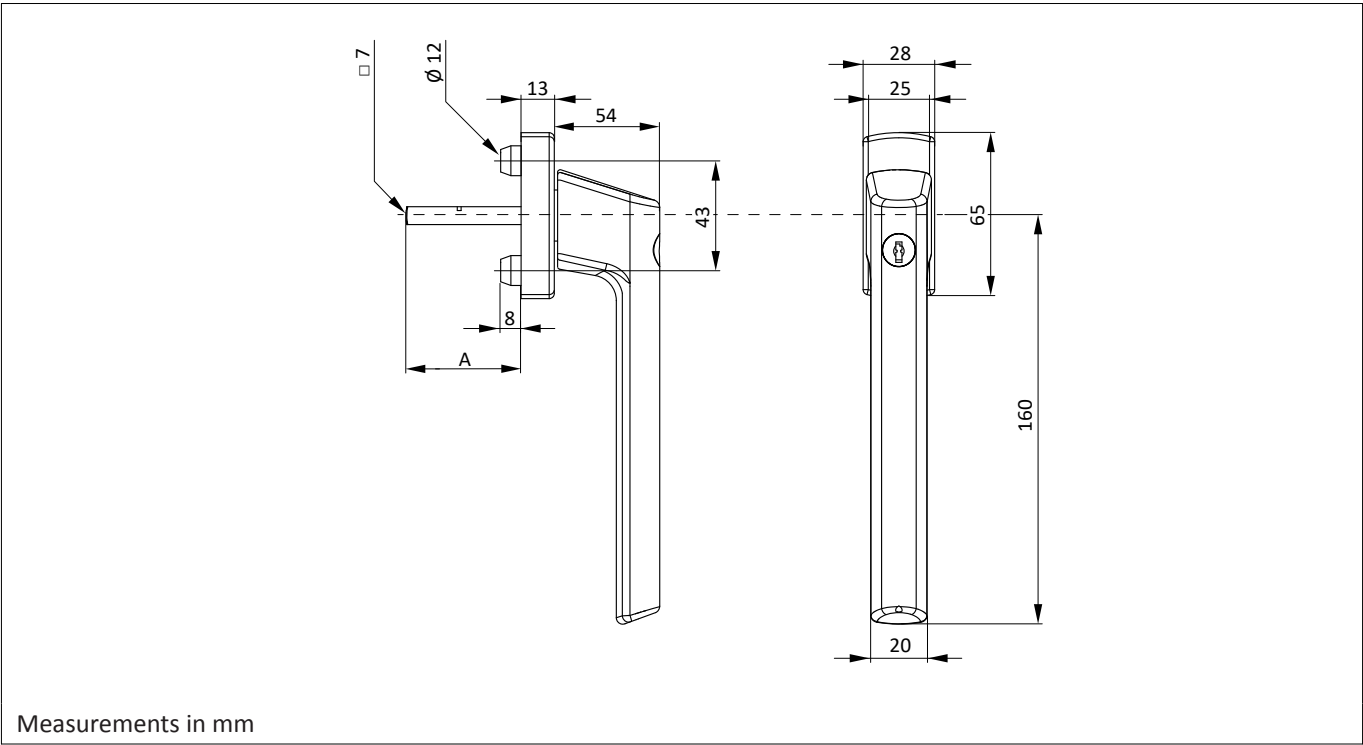
Product description



- Lockable
- For RC2 hardware



Dimensions



Material description	Material number	A (mm)
SI-line PSK ABS 40 handle	PHIJ0150-...	40
SI-line PSK ABS 45 handle	PHIJ0050-...	45

Catalogue of fittings

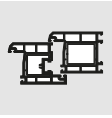
Handle lockable

Ordering information for individual parts

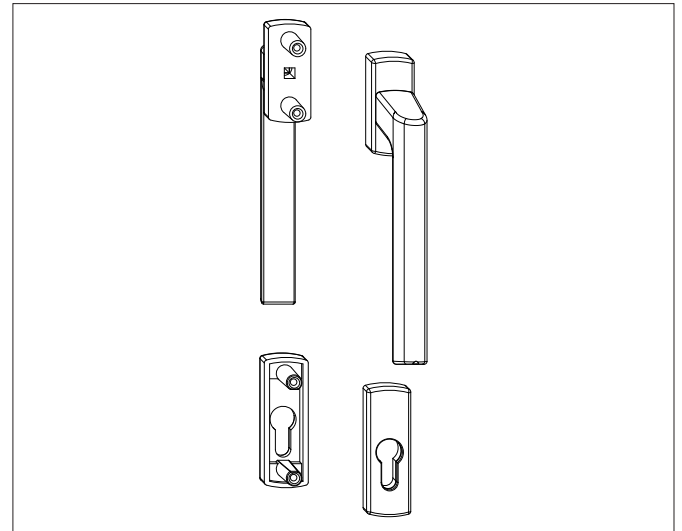
Material description	Material number	Surface	Colour	Sales unit
Handle SI-Line PSK lockable 40	PHIJ0150-50201_	none	RAL 9003 signal white	1
Handle SI-Line PSK lockable 40	PHIJ0150-50202_	none	RAL 9003 signal white	10
Handle SI-Line PSK lockable 40	PHIJ0150-51201_	none	RAL 8022 black brown	1
Handle SI-Line PSK lockable 40	PHIJ0150-51202_	none	RAL 8022 black brown	10
Handle SI-Line PSK lockable 40	PHIJ0150-52301_	none	RAL 9005 jet black	1
Handle SI-Line PSK lockable 40	PHIJ0150-52302_	none	RAL 9005 jet black	10
Handle SI-Line PSK lockable 40	PHIJ0150-52401_	none	EV1 anodised	1
Handle SI-Line PSK lockable 40	PHIJ0150-52402_	none	EV1 anodised	10
Handle SI-Line PSK lockable 40	PHIJ0150-53001_	none	C33 anodised	1
Handle SI-Line PSK lockable 40	PHIJ0150-53002_	none	C33 anodised	10
Handle SI-Line PSK lockable 40	PHIJ0150-5H401_	none	F9 anodised	1
Handle SI-Line PSK lockable 40	PHIJ0150-5H402_	none	F9 anodised	10
Handle SI-Line PSK lockable 45	PHIJ0050-0H402_	none	F9 anodised	10
Handle SI-Line PSK lockable 45	PHIJ0050-50201_	none	RAL 9003 signal white	1
Handle SI-Line PSK lockable 45	PHIJ0050-50202_	none	RAL 9003 signal white	10
Handle SI-Line PSK lockable 45	PHIJ0050-51201_	none	RAL 8022 black brown	1
Handle SI-Line PSK lockable 45	PHIJ0050-51202_	none	RAL 8022 black brown	10
Handle SI-Line PSK lockable 45	PHIJ0050-52302_	none	RAL 9005 jet black	10
Handle SI-Line PSK lockable 45	PHIJ0050-52401_	none	EV1 anodised	1
Handle SI-Line PSK lockable 45	PHIJ0050-52402_	none	EV1 anodised	10
Handle SI-Line PSK lockable 45	PHIJ0050-53001_	none	C33 anodised	1
Handle SI-Line PSK lockable 45	PHIJ0050-53002_	none	C33 anodised	10

6.9 Lockable gear handle

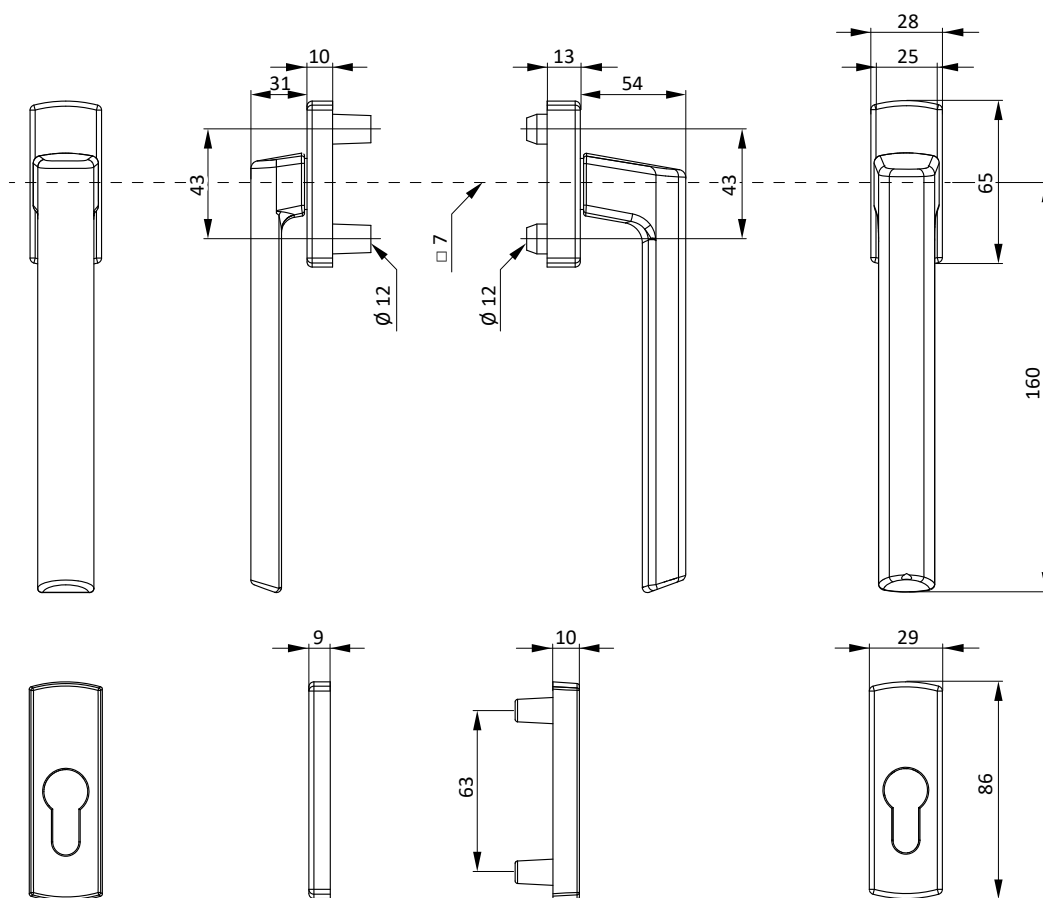
Product description



- For operation from inside and outside
- With cover for profile cylinder



Dimensions



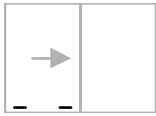
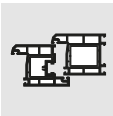
Measurements in mm

Ordering information for individual parts

Material description	Material number	Surface	Colour	Sales unit
SI-line PSK-PZ handle, inside and outside	262214	none	RAL 9003 signal white	1
SI-line PSK-PZ handle, inside and outside	306819	none	RAL 8022 black brown	1
SI-line PSK-PZ handle, inside and outside	262191	none	EV1 anodised	1
SI-line PSK-PZ handle, inside and outside	PMHJ0060-5H401_	none	F9 anodised	1
SI-line PSK-PZ handle, inside and outside	262238	none	C33 anodised	1

6.10 Compact bogie wheels

Product description



- Load bearing component
- Centre aid for insertion of sliding sash



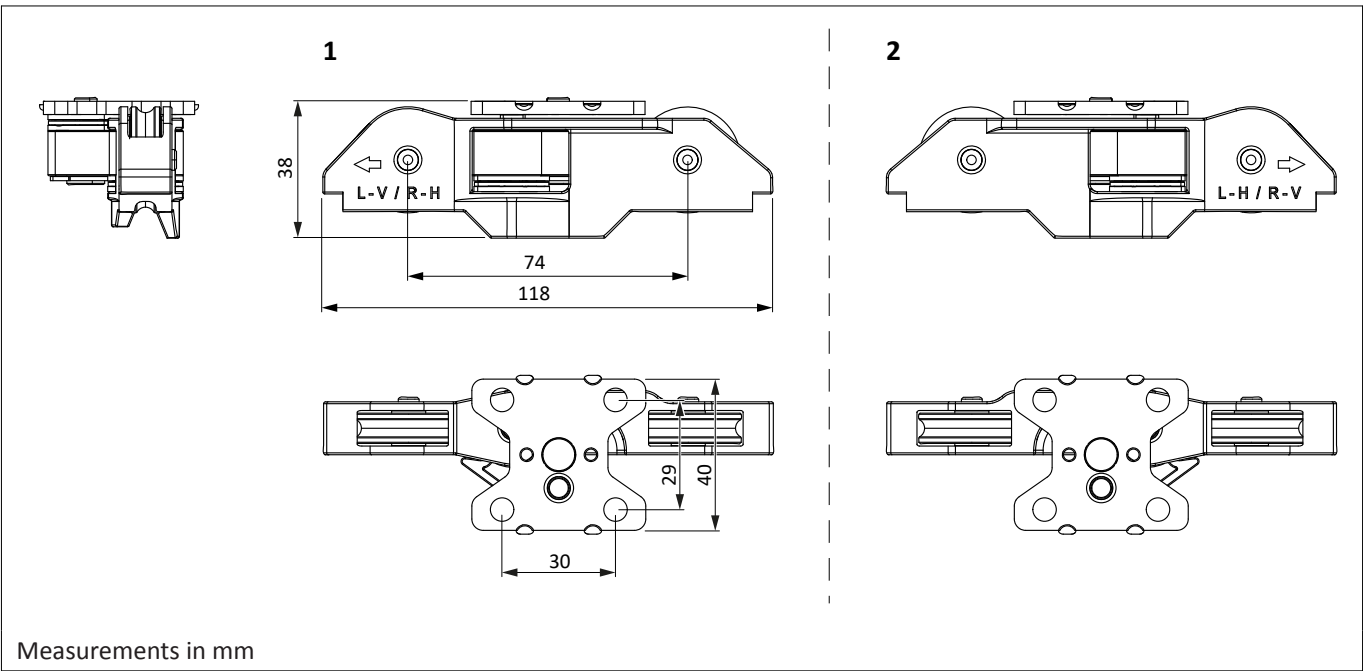
6

Technical specifications

Material description	Material number	Screws
Bogie wheels ES CO COM R VS/L MP	PLWN3020-...	4
ES CO COM L VS/R MP bogie wheels	PLWN3030-...	4

The size ranges are dependent on the respective system.

Dimensions



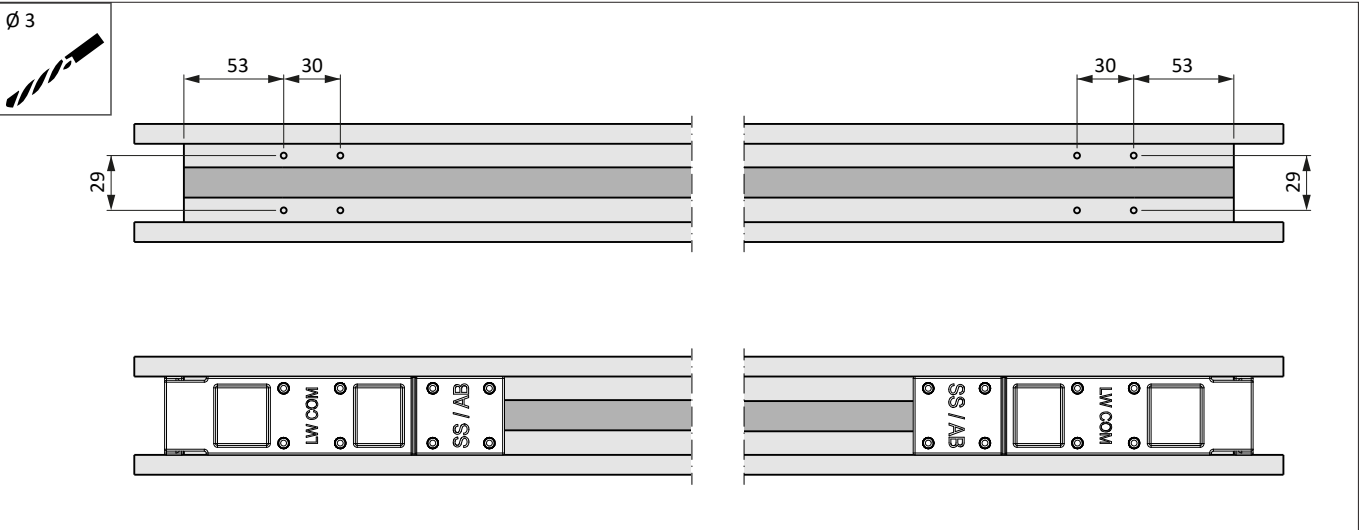
Ordering information for individual parts

Material description	Material number	Surface	Colour	Sales unit
Bogie wheels ES CO COM R VS/L MP	PLWN3020-10001_	Titanium silver	none	1
Bogie wheels ES CO COM R VS/L MP	PLWN3020-10002_	Titanium silver	none	10
ES CO COM L VS/R MP bogie wheels	PLWN3030-10001_	Titanium silver	none	1
ES CO COM L VS/R MP bogie wheels	PLWN3030-10002_	Titanium silver	none	10

Ordering information for assembly accessories

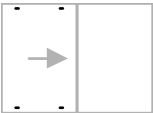
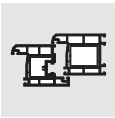
Material description	Material number
ES CO LW COM / AB and SS jig	PABN3320-09701_

Drilling and milling dimensions

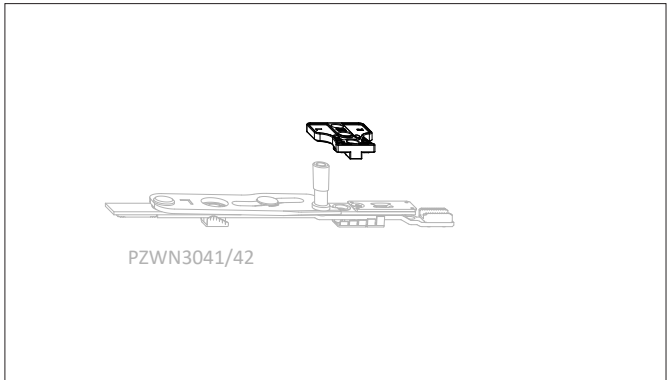


6.11 Retaining plate

Product description



- Stabilises the locking elements
- Stabilises the pressure bolt



Technical specifications

Material description	Material number	Screws
Holding-down device	PZZN3000-...	3

6

Dimensions

Measurements in mm

Ordering information for individual parts

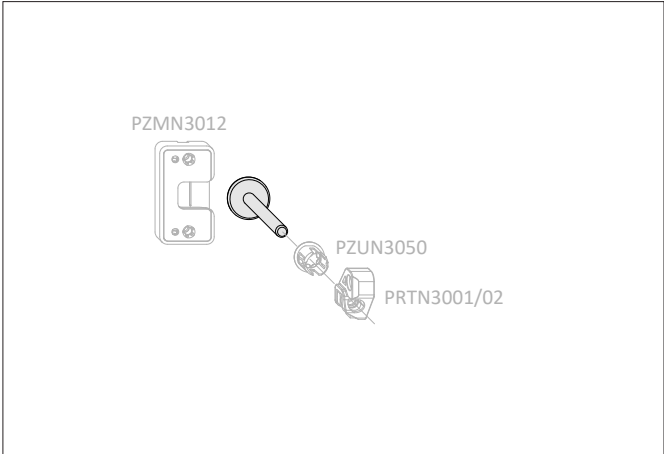
Material description	Material number	Surface	Colour	Sales unit (pc.)
Holding-down device ES CO	PZZN3000-10004_	Titanium silver	none	25

6.12 MV MP locking bolt

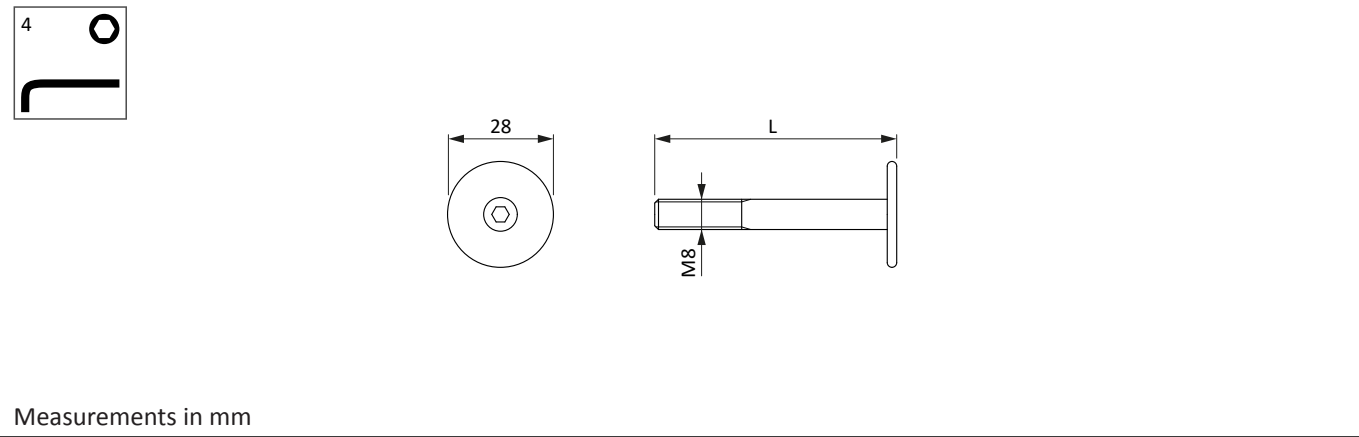
Product description



- Locks the sliding sash to the centre pole
- Sets down the sliding sash at the centre pole



Dimensions



Material description	Material number	L (mm)
MV MP ES CO 64 mm locking bolt	PRTN3010-...	64
MV MP ES CO 73 mm locking bolt	PRTN3020-...	73

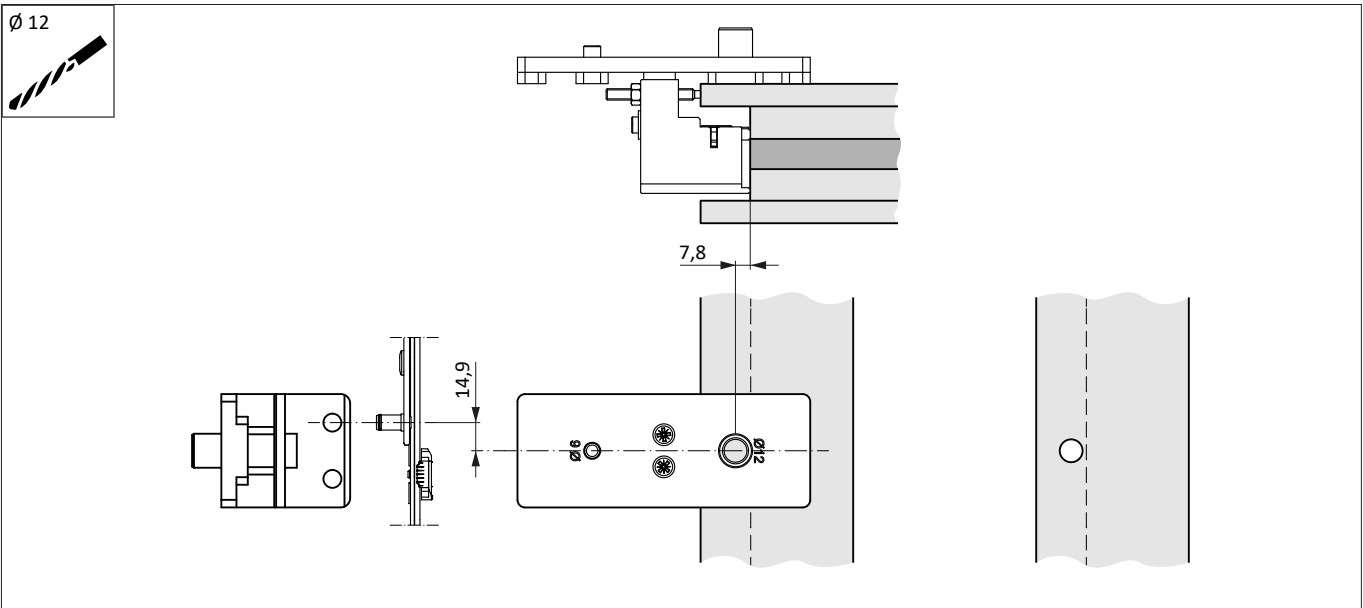
Ordering information for individual parts

Material description	Material number	Surface	Colour	Sales unit
MV MP ES CO 64 mm locking bolt	PRTN3010-10001_	Titanium silver	none	1
	PRTN3010-10004_	Titanium silver	none	25
MV MP ES CO 73 mm locking bolt	PRTN3020-10001_	Titanium silver	none	1
	PRTN3020-10004_	Titanium silver	none	25

Ordering information for assembly accessories

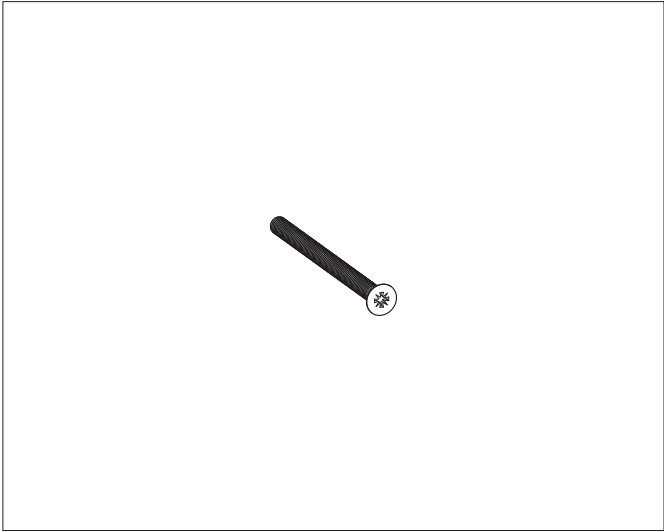
Material description	Material number	Surface	Colour	Sales unit
S-MP ES CO Asas B1 jig	PABN3160-00001_	none	none	1
S-MP ES CO Drutex B1 jig	PABN3170-00001_	none	none	1

Drilling and milling dimensions



6.13 Screws for sliding grip

Product description

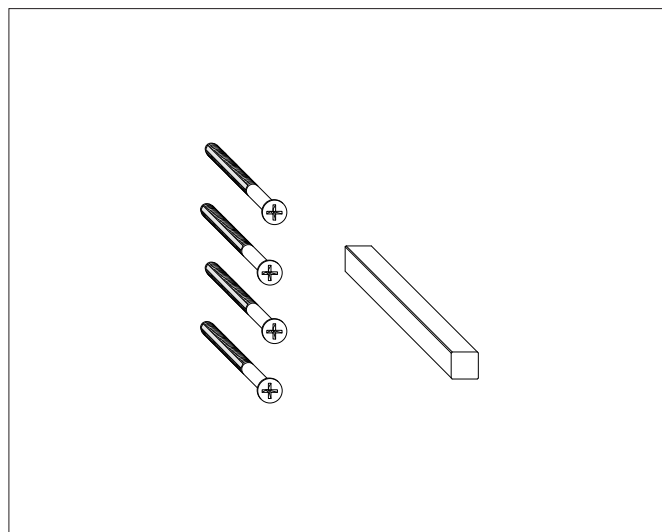
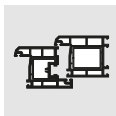


Ordering information for individual parts

Material description	Material number	Surface	Colour	Sales unit
Countersunk screw K/PZD ISO7046 M5X75-4.8 TS profile thickness 79-85 mm	KDNA0100-10001_	Titanium silver	None	1

6.14 Square for lockable gear handle

Product description



Ordering information for individual parts

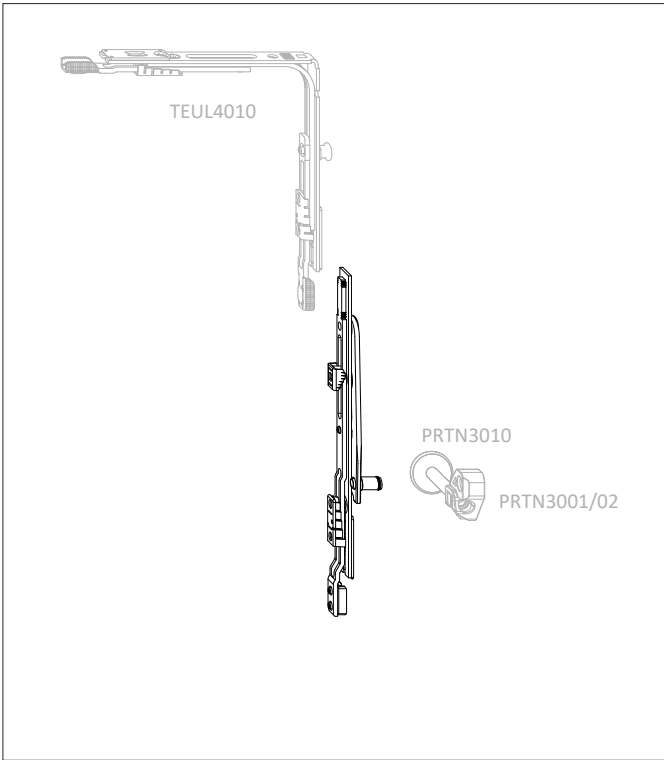
Material description	Material number	Surface	Colour	Sales unit
Accessories TL/PZ inside and outside profile d. 55-64 mm	ZMZF0030-10001_	Titanium silver	None	1
Accessories TL/PZ inside and outside profile d. 75-84 mm	ZMZF0010-10001_	Titanium silver	None	1
Accessories TL/PZ inside and outside profile d. 85-94 mm	ZMZF0040-10001_	Titanium silver	None	1

6.15 MPO linkage

Product description



- Locks the sliding sash
- Sets down the sliding sash
- Dependent on DIN orientation

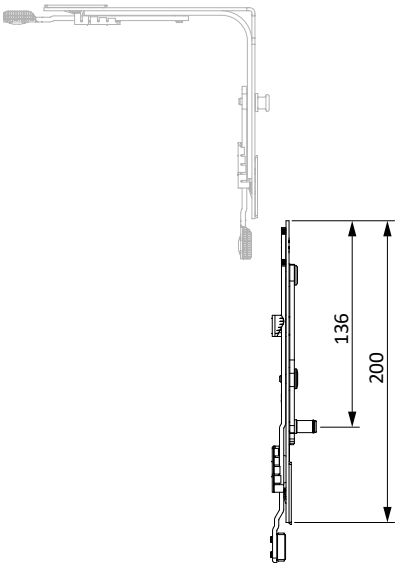


Technical specifications

Material description	Material number	Screws
Linkage MPO DIN R	PZMN3011-...	3
Linkage MPO DIN L	PZMN3012-...	3

The size ranges are dependent on the respective system.

Dimensions



Measurements in mm

Ordering information for individual parts

Material description	DIN direction	Material number	Surface	Colour	Sales unit
Linkage MPO	right	PZMN3011-10001_	Titanium silver	none	1
		PZMN3011-10004_	Titanium silver	none	25
	left	PZMN3012-10001_	Titanium silver	none	1
		PZMN3012-10004_	Titanium silver	none	25

6.16 MPU linkage

Product description



- Locks the sliding sash
- Sets down the sliding sash
- Dependent on DIN orientation

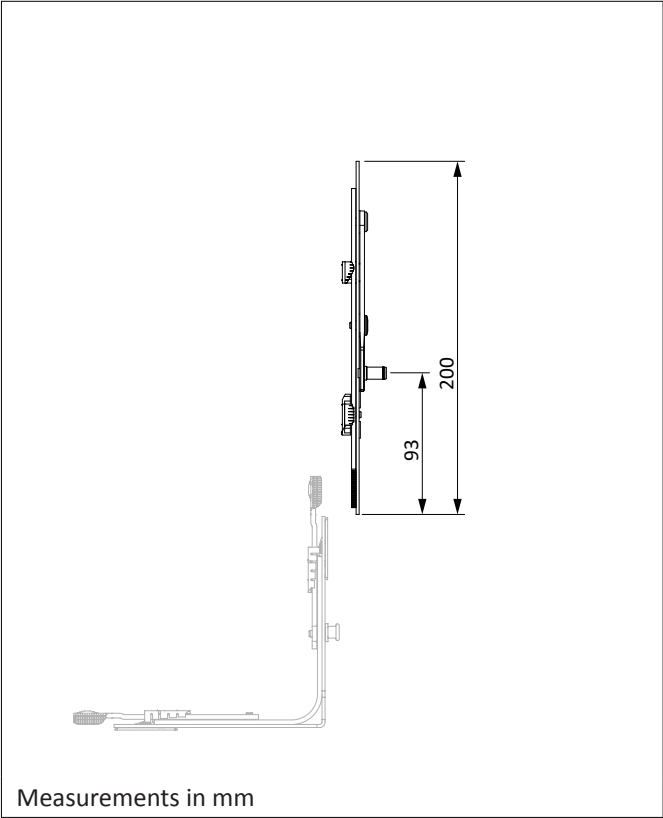


Technical specifications

Material description	Material number	Screws
Linkage MPU DIN R	PZMN3001-...	3
Linkage MPU DIN L	PZMN3002-...	3

The size ranges are dependent on the respective system.

Dimensions



Ordering information for individual parts

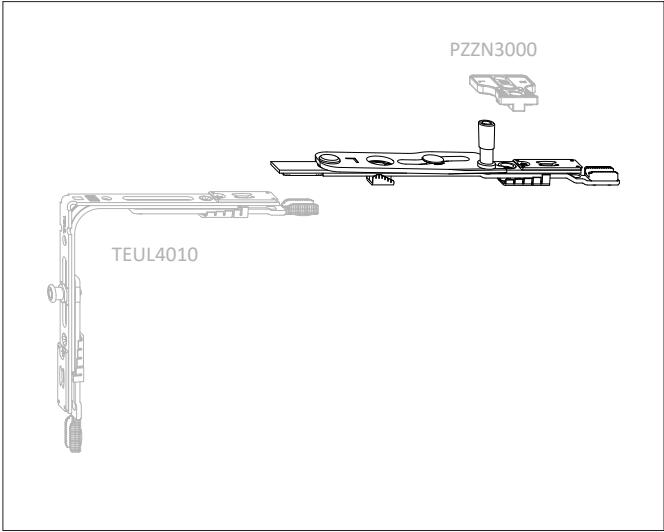
Material description	DIN direction	Material number	Surface	Colour	Sales unit
Linkage MPU	right	PZMN3001-10001_	Titanium silver	none	1
		PZMN3001-10004_	Titanium silver	none	25
	left	PZMN3002-10001_	Titanium silver	none	1
		PZMN3002-10004_	Titanium silver	none	25

6.17 Horizontal linkage

Product description



- Locks the sliding sash
- Sets down the sliding sash
- Guides the sliding sash into the multifunctional rail
- Dependent on DIN orientation



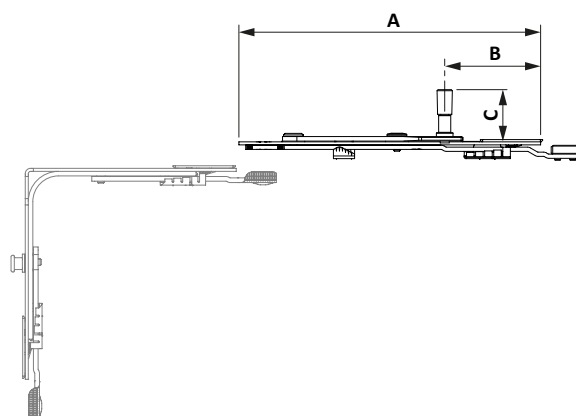
6

Technical specifications

Material description	Material number	Screws
Horizontal linkage DIN R	PZWN3011-...	3
Horizontal linkage DIN L	PZWN3012-...	3
Horizontal linkage -2 mm DIN R	PZWN3041-...	3
Horizontal linkage -2 mm DIN L	PZWN3042-...	3
Horizontal linkage +2 mm DIN R	PZWN3071-...	3
Horizontal linkage +2 mm DIN L	PZWN3072-...	3

The size ranges are dependent on the respective system.

Dimensions



Measurements in mm

6

Material description	Material number	Dimensions (mm)		
		A	B	C
Horizontal linkage DIN R	PZWN3011-...	200	63	34.5
Horizontal linkage DIN L	PZWN3012-...	200	63	34.5
Horizontal linkage -2 mm DIN R	PZWN3041-...	200	63	32.5
Horizontal linkage -2 mm DIN L	PZWN3042-...	200	63	32.5
Horizontal linkage +2 mm DIN R	PZWN3071-...	200	63	36.5
Horizontal linkage +2 mm DIN L	PZWN3072-...	200	63	36.5

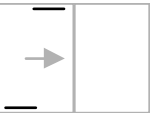
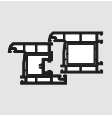
Ordering information for individual parts

Material description	DIN direction	Material number	Surface	Colour	Sales unit
Horizontal linkage	right	PZWN3011-10001_	Titanium silver	none	1
		PZWN3011-10004_	Titanium silver	none	25
	left	PZWN3012-10001_	Titanium silver	none	1
		PZWN3012-10004_	Titanium silver	none	25
Horizontal linkage -2 mm	right	PZWN3041-10001_	Titanium silver	none	1
		PZWN3041-10004_	Titanium silver	none	25
	left	PZWN3042-10001_	Titanium silver	none	1
		PZWN3042-10004_	Titanium silver	none	25
Horizontal linkage +2 mm	right	PZWN3071-10001_	Titanium silver	none	1
		PZWN3071-10004_	Titanium silver	none	25
	left	PZWN3072-10001_	Titanium silver	none	1
		PZWN3072-10004_	Titanium silver	none	25

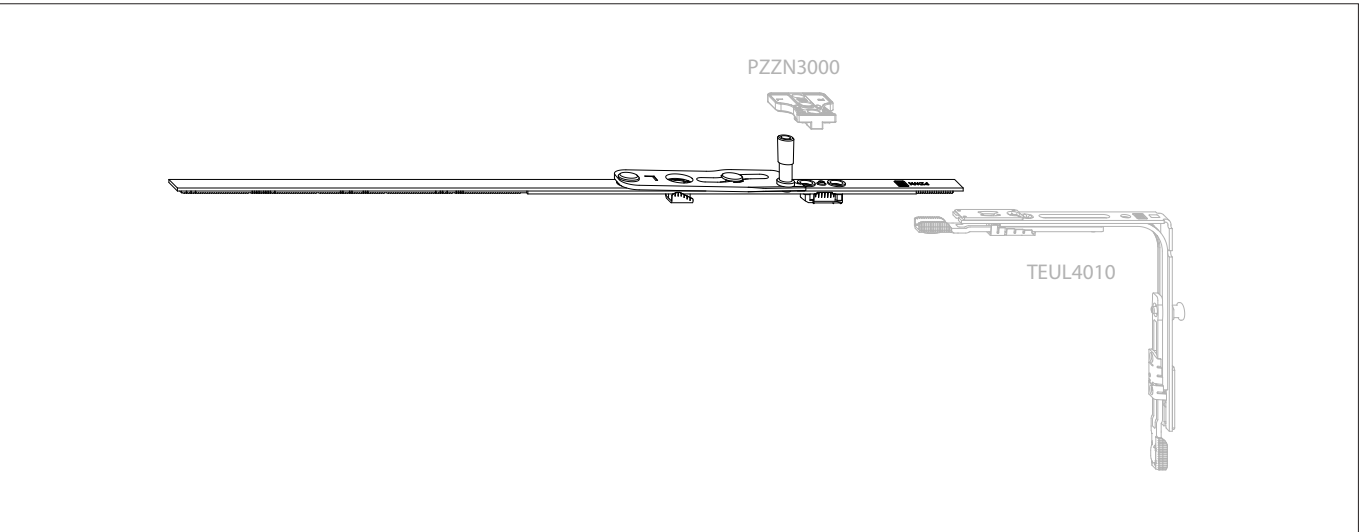
6.18

Horizontal, cut-to-length linkage

Product description



- Locks the sliding sash
- Sets down the sliding sash
- Guides the sliding sash into the multifunctional rail
- Dependent on DIN orientation
- Croppable

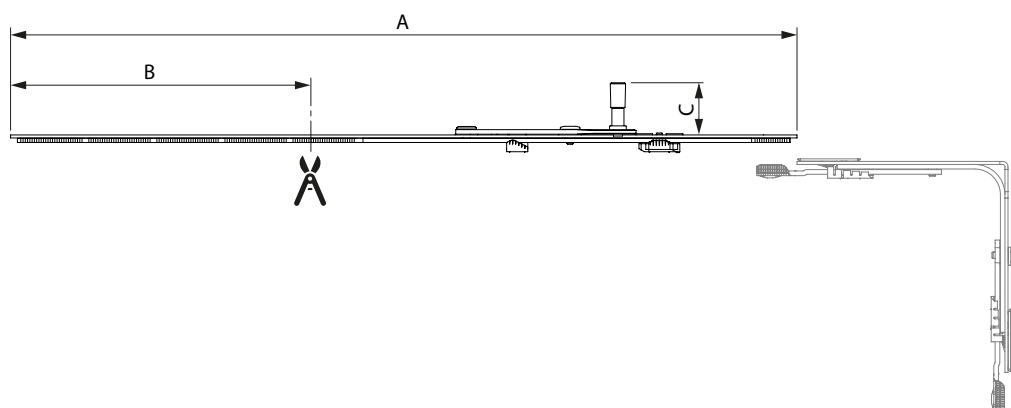


Technical specifications

Material description	Material number	Screws
Horizontal, cut-to-length linkage DIN R	PZWN3001-...	3
Horizontal, cut-to-length linkage DIN L	PZWN3002-...	3
Horizontal, cut-to-length linkage -2 mm DIN R	PZWN3021-...	3
Horizontal, cut-to-length linkage -2 mm DIN L	PZWN3022-...	3
Horizontal, cut-to-length linkage +2 mm DIN R	PZWN3061-...	3
Horizontal, cut-to-length linkage +2 mm DIN L	PZWN3062-...	3

The size ranges are dependent on the respective system.

Dimensions



Measurements in mm

Material description	Material number	Dimensions (mm)		
		A	B	C
Horizontal, cut-to-length linkage DIN R	PZWN3001-...	520	200	34.5
Horizontal, cut-to-length linkage DIN L	PZWN3002-...	520	200	34.5
Horizontal, cut-to-length linkage -2 mm DIN R	PZWN3021-...	520	200	32.5
Horizontal, cut-to-length linkage -2 mm DIN L	PZWN3022-...	520	200	32.5
Horizontal, cut-to-length linkage +2 mm DIN R	PZWN3061-...	520	200	36.5
Horizontal, cut-to-length linkage +2 mm DIN L	PZWN3062-...	520	200	36.5

Ordering information for individual parts

Material description	DIN direction	Material number	Surface	Colour	Sales unit
Horizontal, cut-to-length linkage	right	PZWN3001-100010	Titanium silver	none	1
		PZWN3001-100040	Titanium silver	none	25
	left	PZWN3002-100010	Titanium silver	none	1
		PZWN3002-100040	Titanium silver	none	25
Horizontal, cut-to-length linkage -2 mm	right	PZWN3021-100010	Titanium silver	none	1
		PZWN3021-100040	Titanium silver	none	25
	left	PZWN3022-100010	Titanium silver	none	1
		PZWN3022-100040	Titanium silver	none	25
Horizontal, cut-to-length linkage +2 mm	right	PZWN3061-100010	Titanium silver	none	1
		PZWN3061-100040	Titanium silver	none	25
	left	PZWN3062-100010	Titanium silver	none	1
		PZWN3062-100040	Titanium silver	none	25

7 Tools and aids

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7.6 ES CO LW AND AB / SS JIG 125

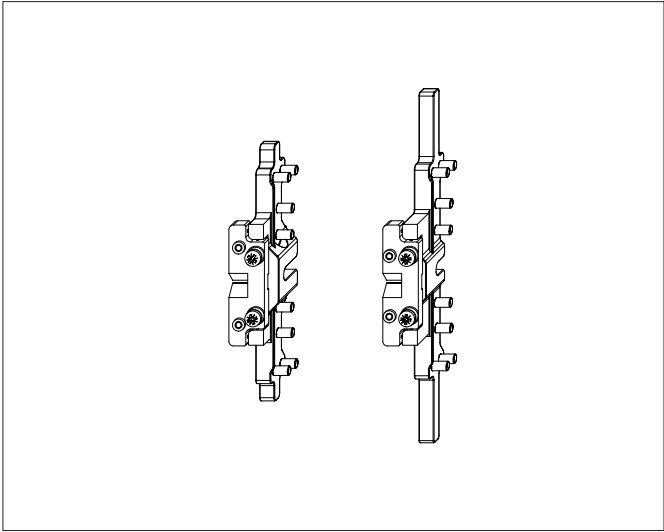
7.7 ATTACHMENT FOR JIG FOR HANDLE
POSITION 126

7.1 Jig S-MP ES CO

Product description



- To drill the holes for the nipple screw, striker MP and cover cap MP-SL
- For pre-adjustment of the locking bolt
- For determining the position of the locking part MP
- System-specific

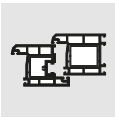


Ordering information for individual parts

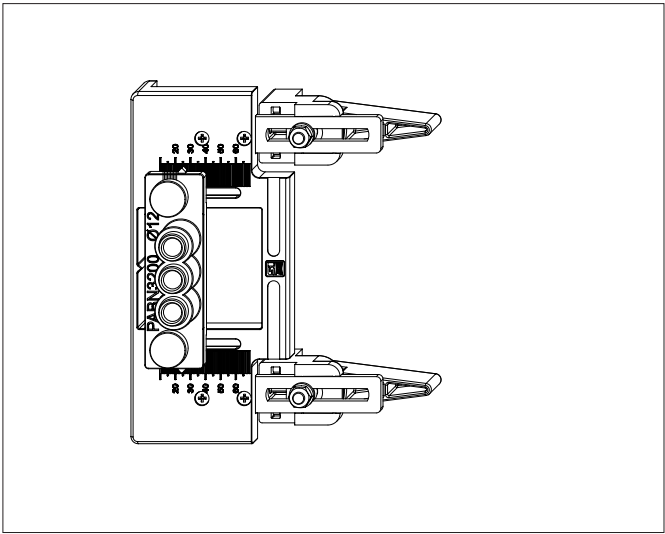
Material description	Material number	Surface	Colour	Sales unit
S-MP ES CO Asas B1 jig	PABN3160-00001_	none	none	1
S-MP ES CO Drutex B1 jig	PABN3170-00001_	none	none	1

7.2 Jig for handle position ES CO

Product description



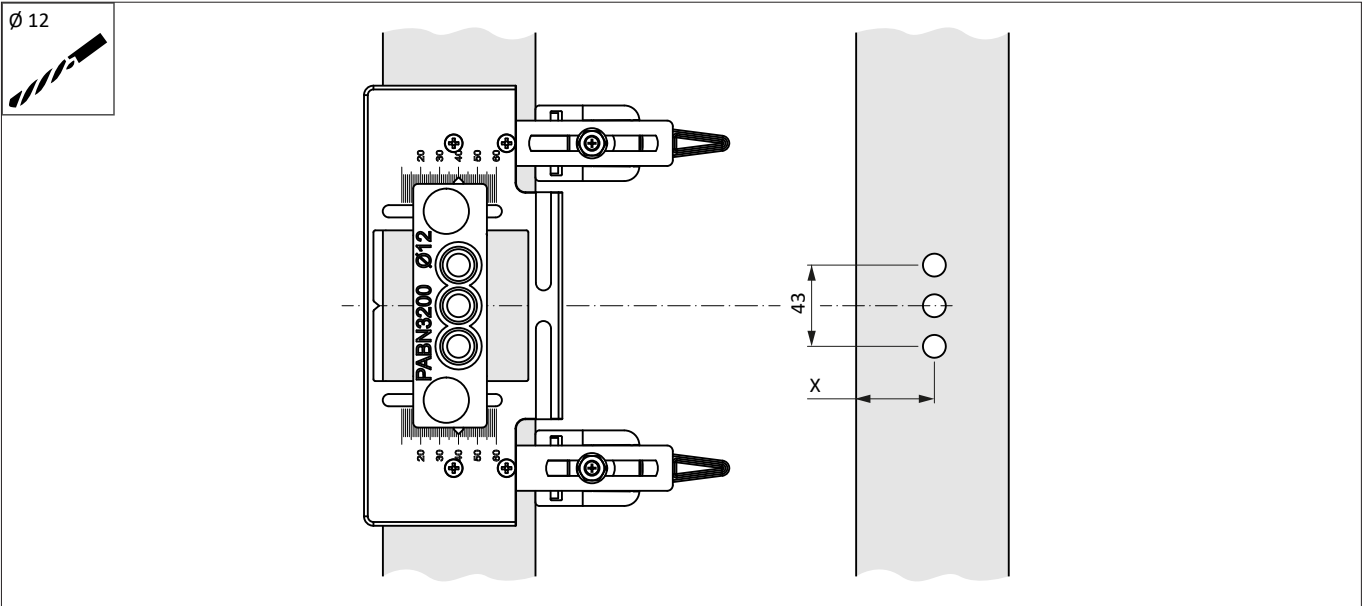
- For drilling the handle positioning holes of gears on ECO SLIDE elements
- Backset with flexible adjustment



Ordering information for individual parts

Material description	Material number	Surface	Colour	Sales unit
Jig for handle position ES CO	PABN3200-OE501_	none	RAL 7038 agate grey	1

Drilling and milling dimensions



Profile system	Material number	Dimension X (mm)
Asaspen	PABN3200-OE501-...	50.0
Drutex	PABN3200-OE501-...	58.0

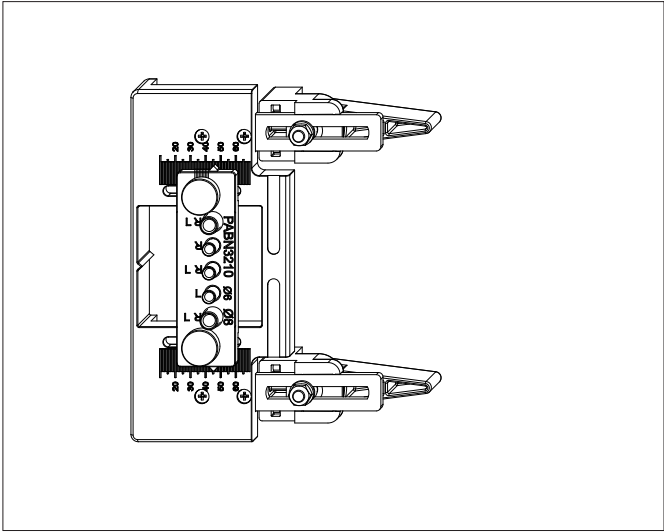
7.3

ES CO jig for lockable gear handle position

Product description



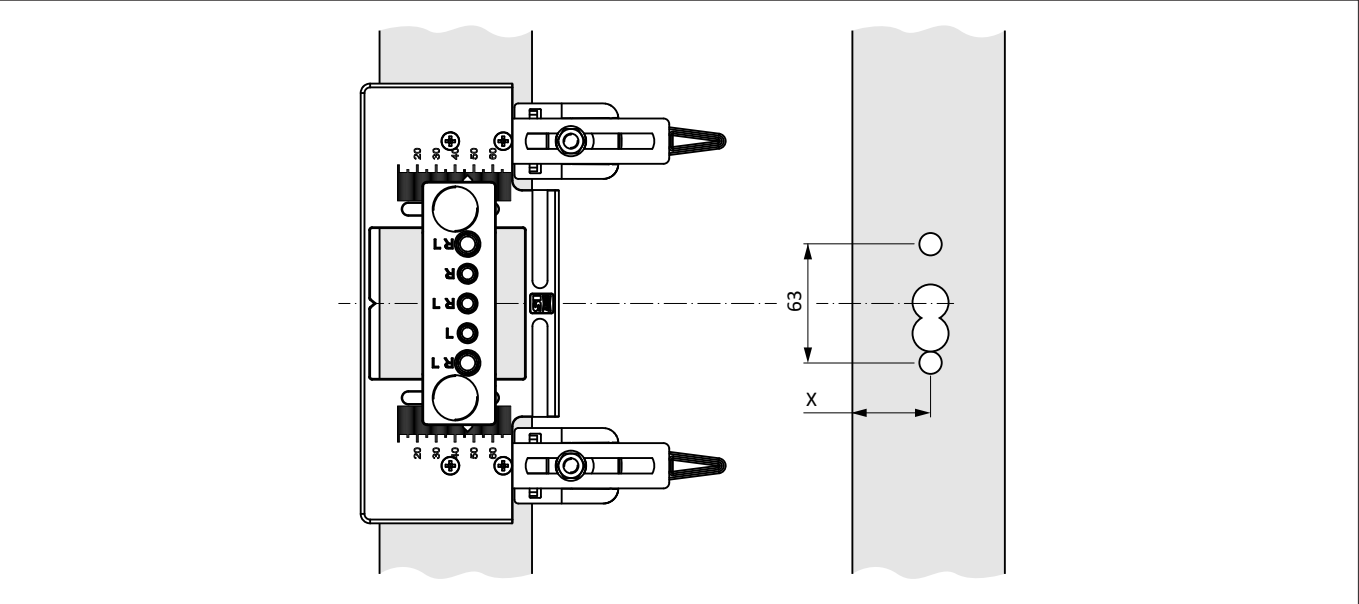
- For drilling the handle positioning holes of lockable gears on ECO SLIDE elements
- Backset with flexible adjustment



Ordering information for individual parts

Material description	Material number	Surface	Colour	Sales unit
ES CO jig for lockable gear handle position	PABN3210-0E501_	none	RAL 7038 agate grey	1

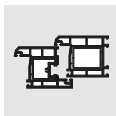
Drilling and milling dimensions



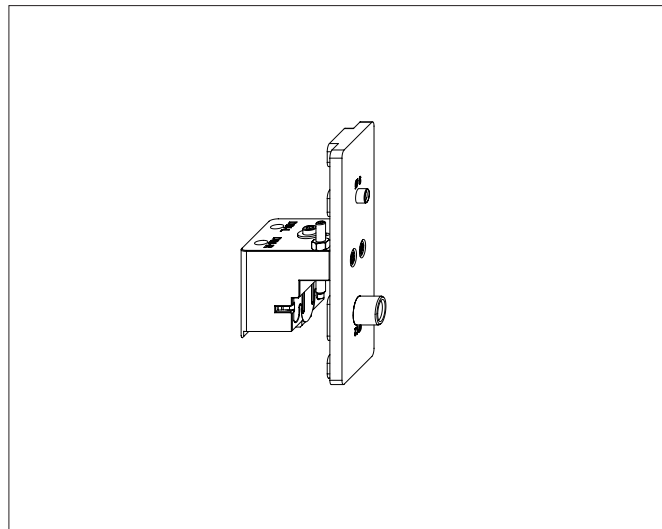
Profile system	Material number	Dimension X (mm)
Asaspen	PABN3210-0E501_	50.0
Drutex	PABN3210-0E501_	58.0

7.4 MV MP ES CO sash jig

Product description



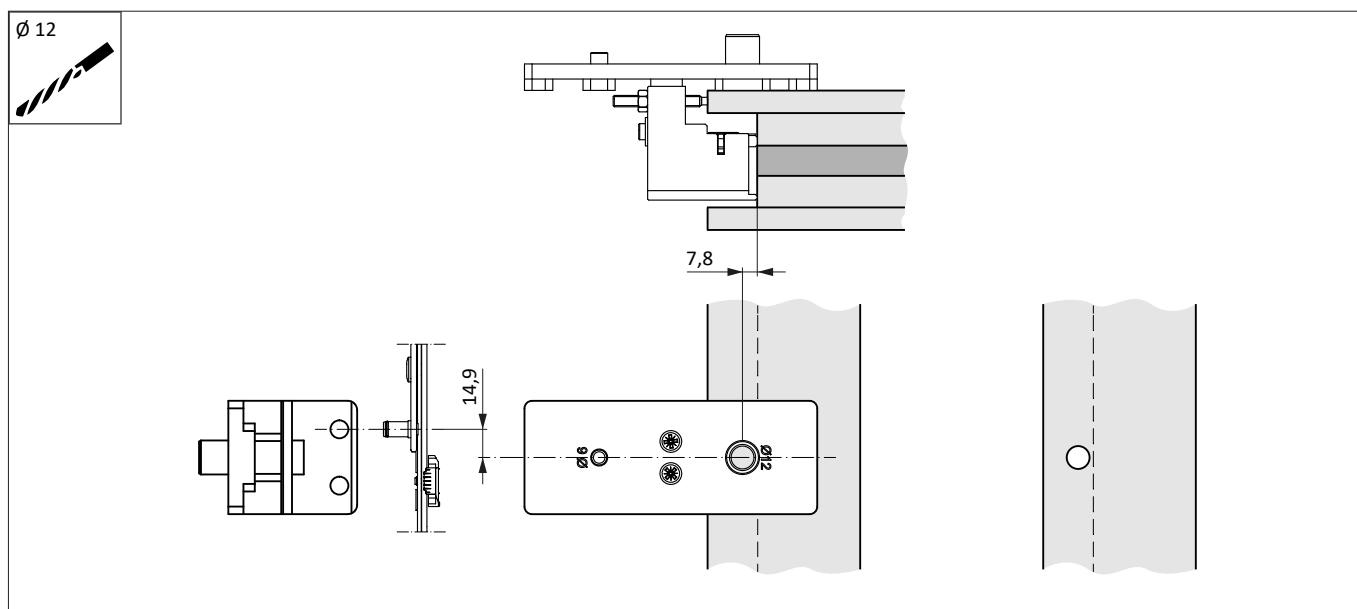
- For drilling the holes for locking bolt MV MP
- For basic, design and RC2 hardware



Ordering information for individual parts

Material description	Material number	Surface	Colour	Sales unit
Jig for sash MV MP ES CO	PABN3000-09701_	none	none	1

Drilling and milling dimensions

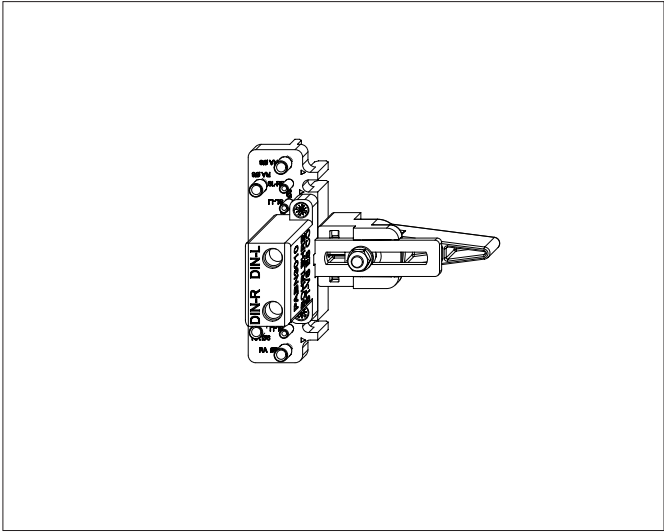


7.5 ST-VS ES CO jig

Product description



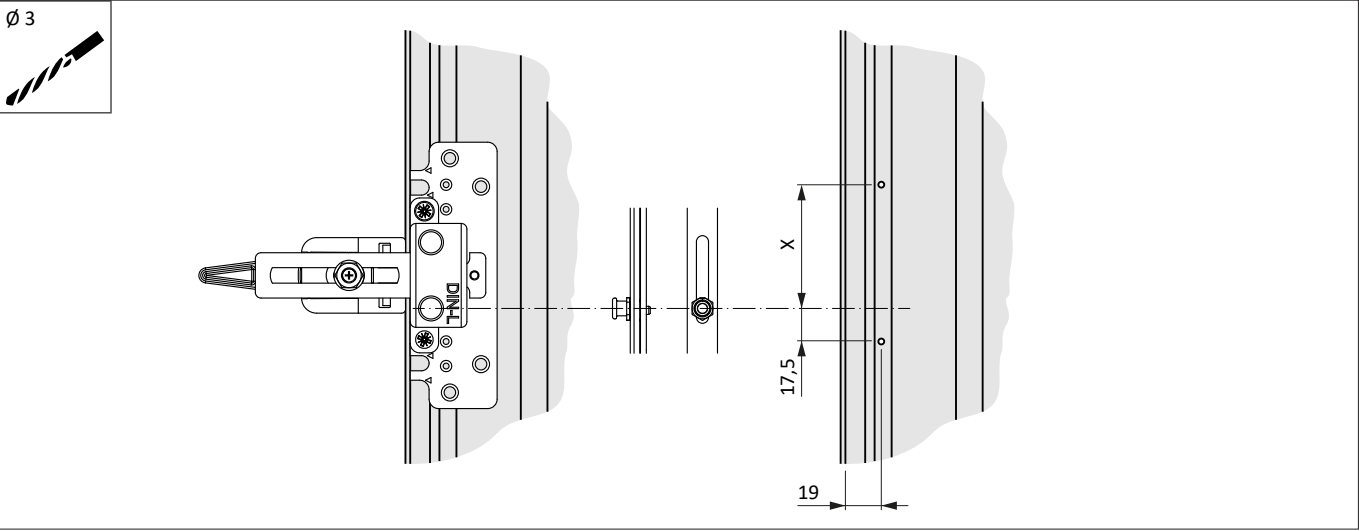
- For drilling the holes for striker VS, striker VS-SL and frame anchor screw
- For determining the position of the locking part VS and the locking part VS-SL



Ordering information for individual parts

Material description	Material number
Jig ST-VS ES CO	PABN3010-50001_

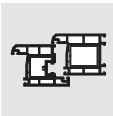
Drilling and milling dimensions



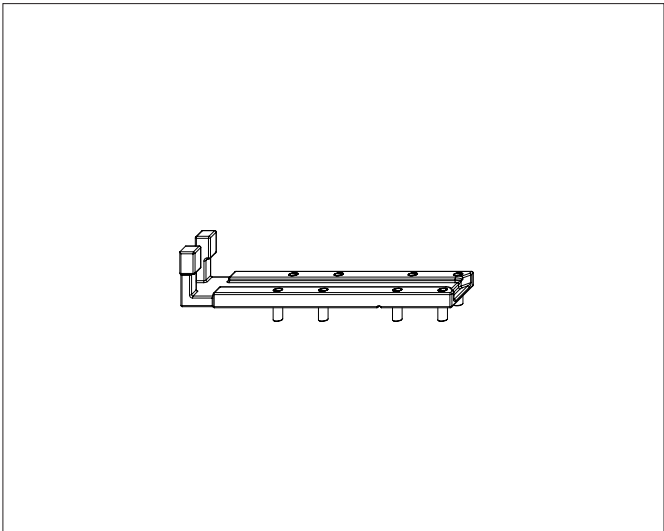
Component	Dimension X (mm)
VS striker	52.5
VS-SL striker	65.5

7.6 ES CO LW COM / AB and SS jig

Product description



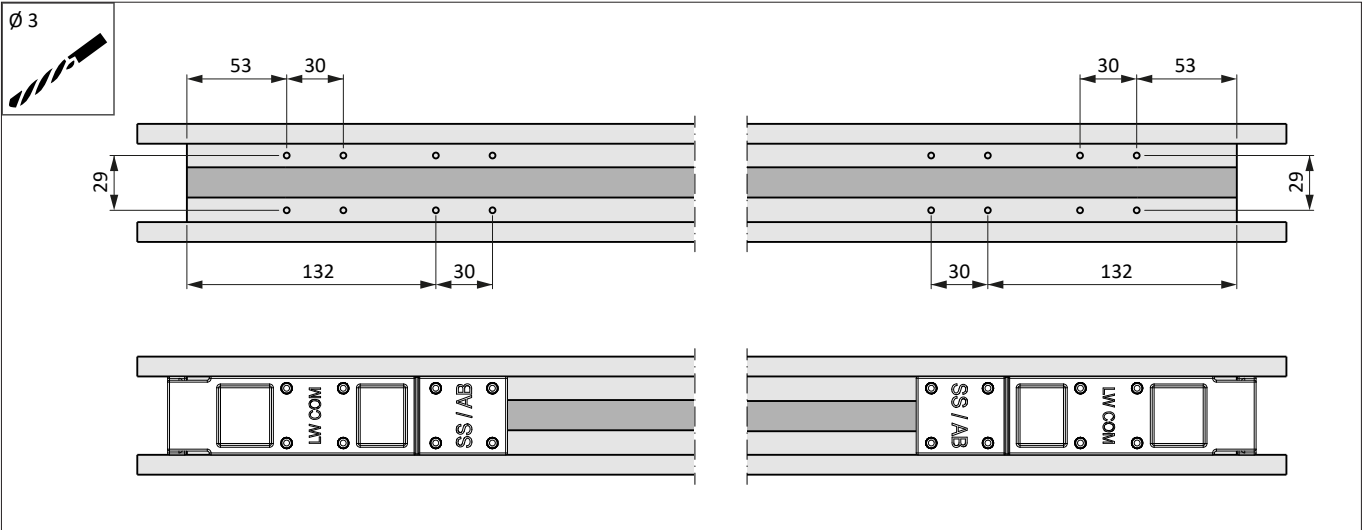
- For drilling the holes for bogie wheels, sash component stop and soft stop



Ordering information for individual parts

Material description	Material number
ES CO LW COM / AB and SS jig	PABN3320-09701_

Drilling and milling dimensions

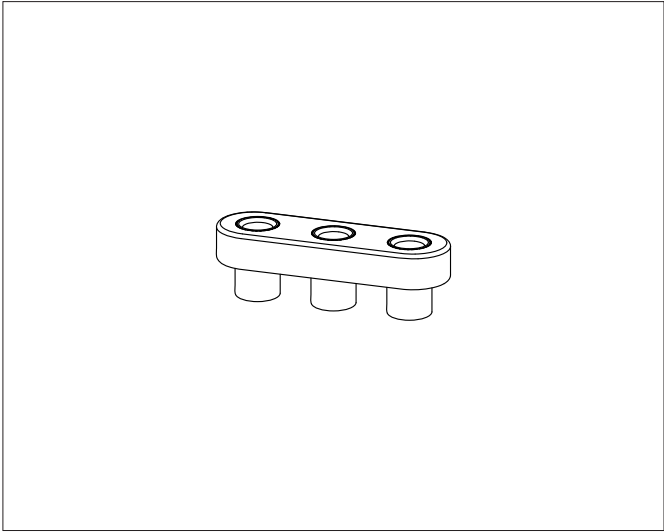


7.7 Attachment for jig for handle position

Product description



- For use with jig for handle position
- For pre-drilling handle positioning holes of gears on ECO SLIDE elements



Ordering information for individual parts

Material description	Material number
Attachment for jig for handle position	PABN3220-0E501_

Ordering information for individual parts

Material description	Material number
Attachment for jig for handle position	PABN3220-0E501_

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