

PORTAL

PORTAL handle

Product catalogue:

PORTAL handle for sliding elements made of
timber, PVC or aluminium profiles.

Window systems

Door systems

Comfort systems

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1 Target group of this documentation

This documentation is intended to be used by specialist wholesalers and fabricators only.

to improve our documentation. Please email your comments to dokumentation@siegenia.com.

1.1 Intended use

- All products shown and described in the catalogue are used for the manufacture of windows and/or French doors only.
- SIEGENIA hardware components must only be combined with SIEGENIA accessories.

1.2 Improper use

- All windows and/or French doors fitted with SIEGENIA hardware must not be built into tilting or inclining facades.

1.3 Safety notes

- For your safety assemble your complete set of fittings from the SIEGENIA hardware components only. Otherwise damage could occur, for which we accept no liability.
- All hardware components must be properly assembled as per the description in the assembly instructions. Do not overtighten the screws!
- Never use acid curing sealants as they may cause the hardware components to corrode.
- The size ranges given for the SIEGENIA PORTAL FS PLUS hardware components must not be exceeded.
- For timber elements, the standards specified by DIN 68 121 (timber profiles for windows and patio doors) apply for timber quality and version.
- The profile sections must correspond to the specifications in the SIEGENIA construction drawings.

1.4 Feedback on documentation

We welcome your comments and suggestions on how

1.5 Notes on the use of this catalogue

- Number of pieces: 1/2, 1 piece, or' if necessary, 2 pieces can be used or for 1 – 4, 1, 2, 3 or 4 pieces can be used if required.
- Availability:
 - = component not available
 - = component available on requirement
- Combinations:
 - combination possible
 - combination not possible
 - combination on request.

1.6 Directives of the Trade Organisation for Locks and Fittings (Gütegemeinschaft Schlösser und Beschläge e.V.).

The directives of the Trade Organisation for Locks and Fittings provide comprehensive information on the correct operation and maintenance of hardware for windows and patio doors.

It is mandatory that you observe these directives.

You can find the latest versions of the directives here in a range of languages:

<http://www.beschlagindustrie.de/ggsb/richtlinien.asp>

TBDK – Attachment of supporting fitting components for turn-only and tilt & turn fittings

- with definitions for turn-only and tilt & turn fittings and their possible installation positions.

VHBH – Hardware for windows and French doors

- Guidelines/advice on the product and on liability

VHBE – Hardware for windows and patio doors

Guidelines/advice for end-users

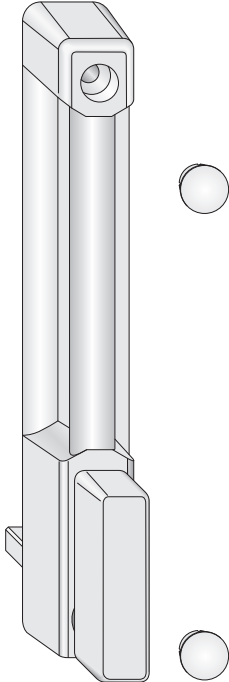
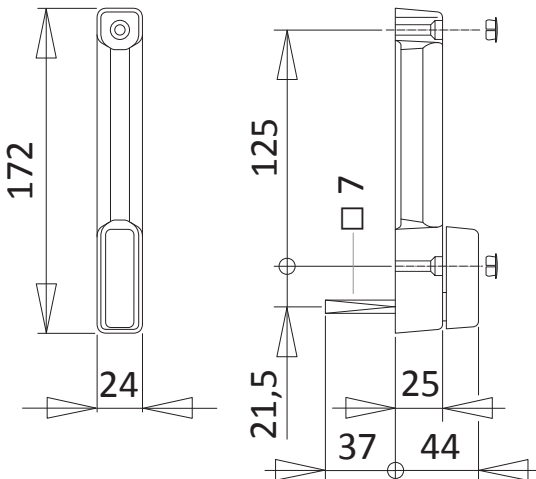
1.7 Further relevant documents

You can find further documents such as assembly instructions, profile-related assembly instructions, maintenance instructions and operating instructions in our documentation portal:

<http://produktokumentation.siegenia-aubi.com>

2 Handle for PORTAL CS elements

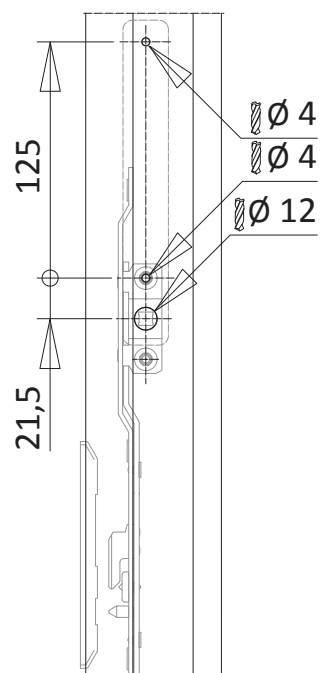
2.1 Tilt and slide handle

Name	Dimensions
Tilt and slide handle	□ 7 mm square spindle: length 37 mm
	

Drilling template - PVC/ALU

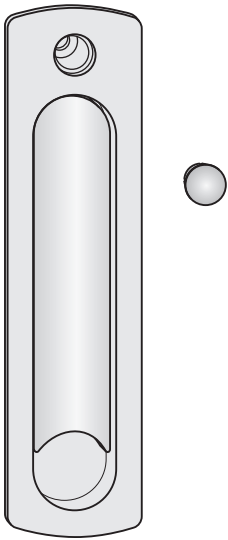
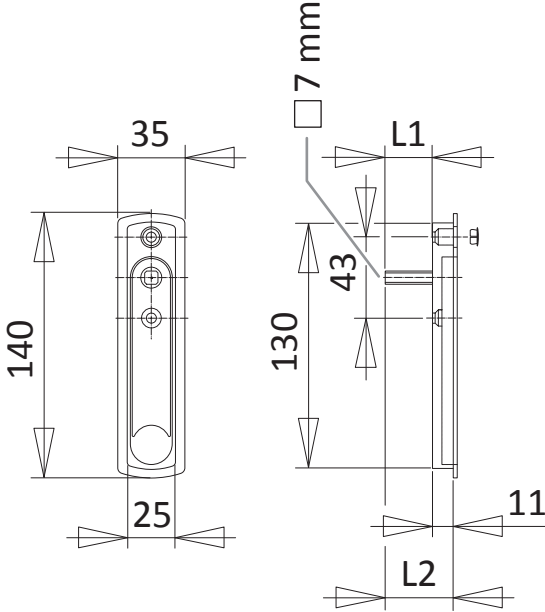
Drill Ø 12 mm

Drill Ø 4 mm



Material description	Colour	Material number	Packaging unit
Carton tilt and slide handle	White	828274	1
	grey brown	828281	

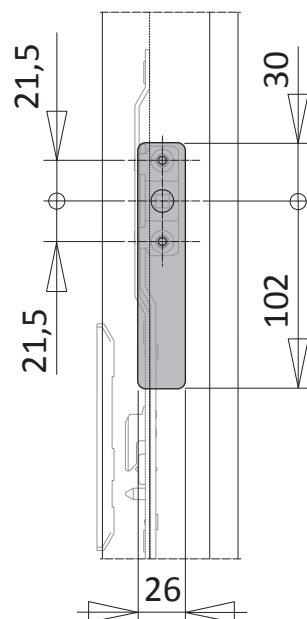
2.2 Handle CS 22 sliding door

Name	Dimensions
Handle CS 22	□ 7 mm square spindle: L1 = 22 mm L2 = 33 mm
	

Drilling template - PVC/ALU

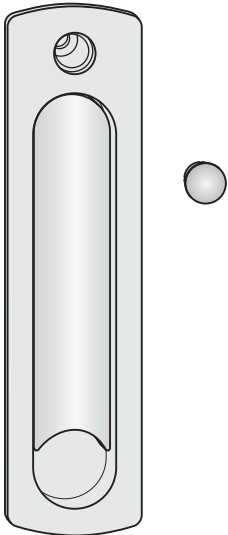
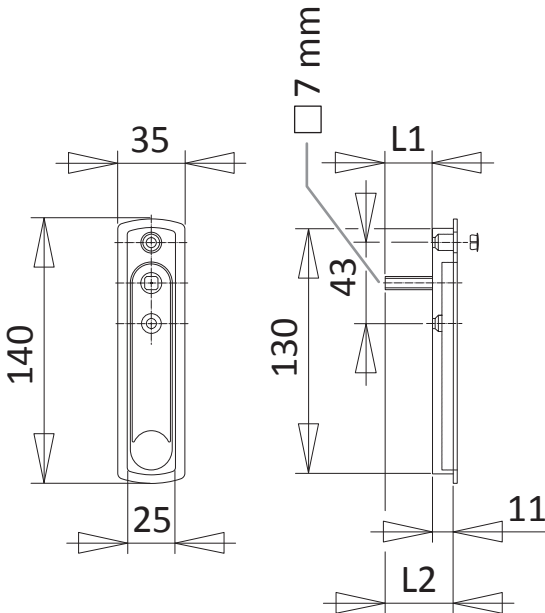
Drill Ø 12 mm

Drill Ø 4 mm



Material description	Colour	Material number	Packaging unit
Carton handle CS 22	RAL 9016	PHID0090-00401_	1
	SI-silver	PHID0090-02501_	1
	RAL 1013	PHID0090-00501_	1
	RAL 8022	PHID0090-01201_	1
	RAL 1001	PHID0090-01401_	1
	RAL 1019	PHID0090-0A601_	1
	RAL 9005	PHID0090-02301_	1
	Surface uncoated (mill finish)	PHID0090-00001_	1

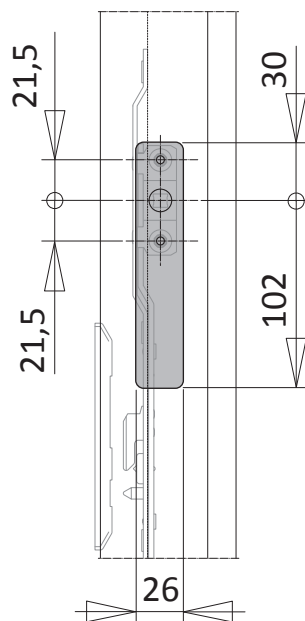
2.3 Handle CS 31 sliding door

Name	Dimensions
Handle CS 31	□ 7 mm square spindle: L1 = 31 mm L2 = 42 mm
	

Drilling template - PVC/ALU

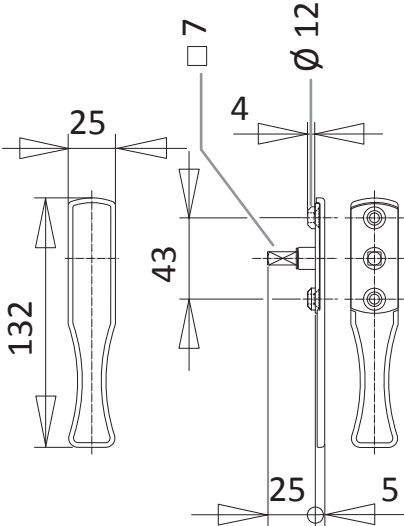
Drill Ø 12 mm

Drill Ø 4 mm



Material description	Colour	Material number	Packaging unit
Carton handle CS 31	RAL 9016	PHID0080-00401_	1
	SI-silver	PHID0080-02501_	1
	si-brown	PHID0080-03301_	1

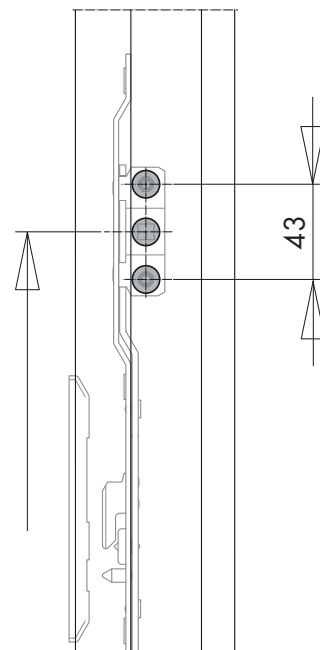
2.4 Handle CS flat

Name	Dimensions
Handle CS flat	□ 7 mm square spindle: length 25 mm
	

Drilling template - PVC/ALU

Drill Ø 12 mm

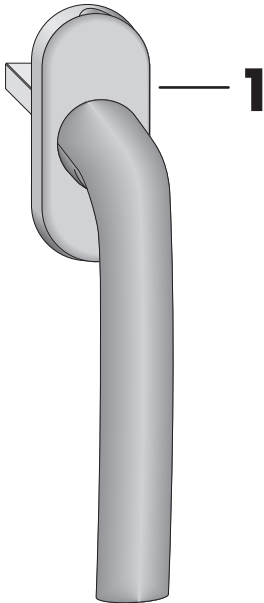
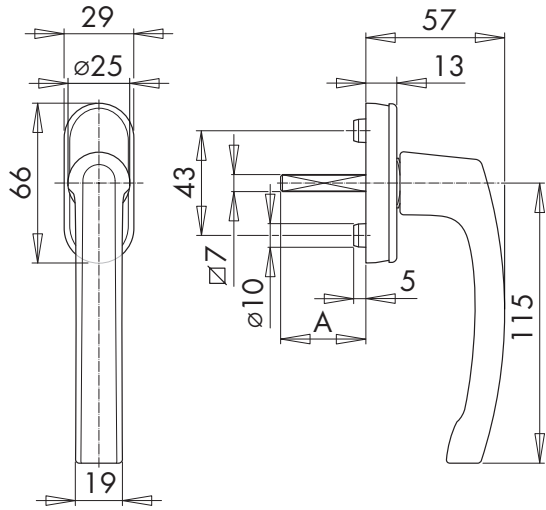
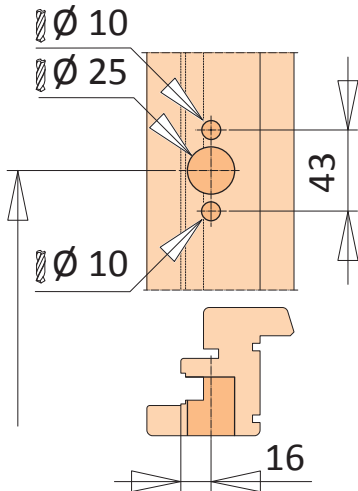
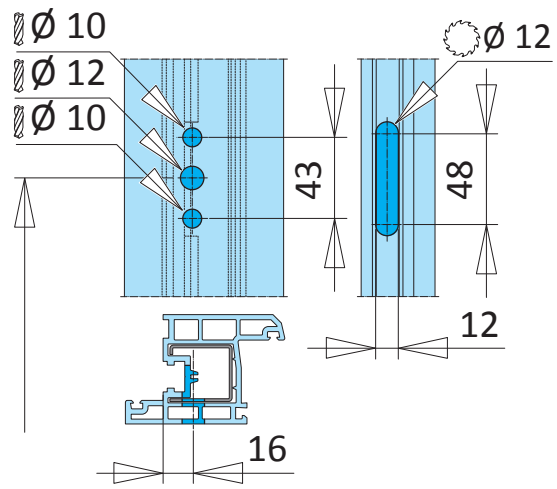
Drill Ø 4 mm



Material description	Colour	Material number	Packaging unit
Carton handle CS flat	RAL 9003	900826	1
	RAL 8022	900833	1

3 Handle for PORTAL FS elements

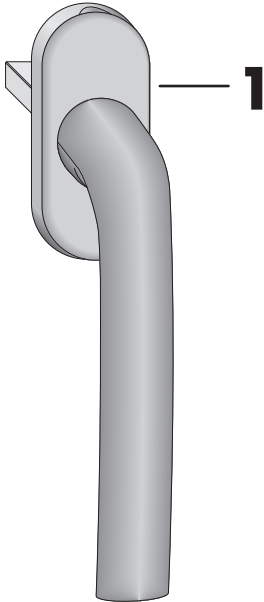
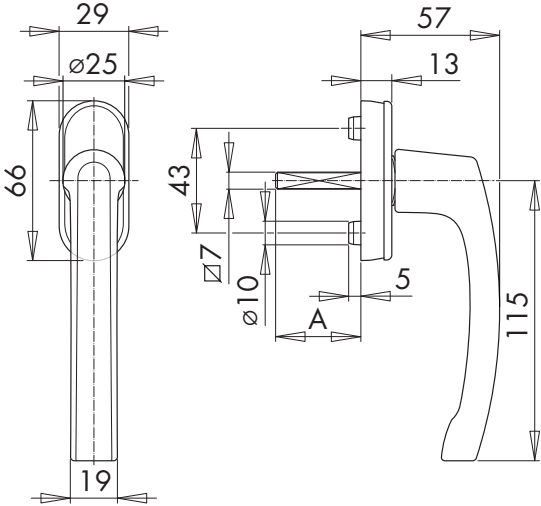
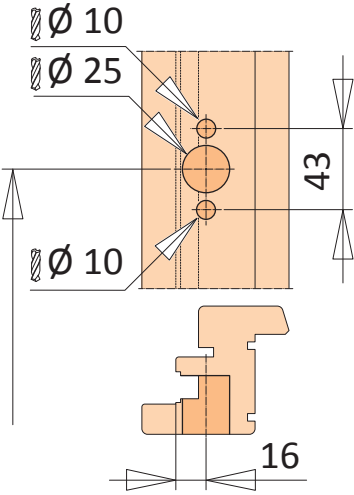
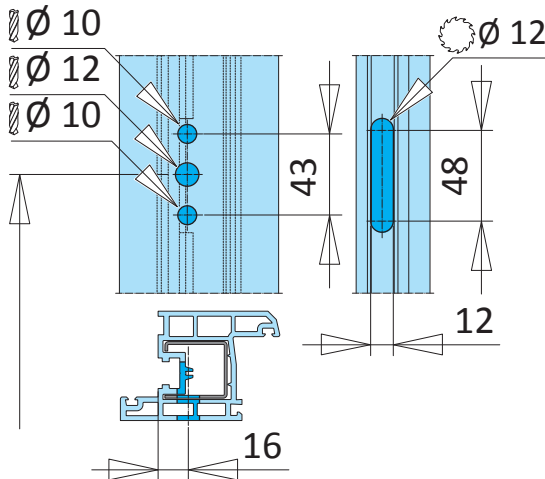
3.1 Handle Globe 31, 35, and 40

Name	Dimensions
Handle Globe...	□ 7 mm square spindle: length A
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill Ø 12 mm Wood twist drill Ø 25 mm	Drill Ø 12 mm Drill Ø 4 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Globe 31 Dimension A = 31 mm	RAL 9016	ZHGS0010-00401_	1
		ZHGS0010-00406_	100
	EV 1 silver	ZHGS0010-02401_	1
		ZHGS0010-02406_	100
	F 3 matt gold	ZHGS0010-01201_	1
		ZHGS0010-01206_	100
Carton handle Globe 35 Dimension A = 35 mm	RAL 9016	ZHGS0020-00401_	1
		ZHGS0020-00406_	100
	RAL 8022	ZHGS0020-01201_	1
		ZHGS0020-01206_	100
	EV 1 silver	ZHGS0020-02401_	1
		ZHGS0020-02406_	100
	F 9 aluminium-steel colours	ZHGS0020-0H401_	1
		ZHGS0020-0H406_	100
	F 3 matt gold	ZHGS0020-01201_	1
		ZHGS0020-01206_	100
Carton handle Globe 40 Dimension A = 40 mm	RAL 9016	ZHGS1000-00401_	1
		ZHGS1000-00406_	100
	RAL 8022	ZHGS1000-01201_	1
		ZHGS1000-01206_	100
	EV 1 silver	ZHGS1000-02401_	1
		ZHGS1000-02406_	100
	F 9 aluminium-steel colours	ZHGS1000-0H401_	1
		ZHGS1000-0H406_	100
	F 4 bronze	ZHGS1000-0K601_	1
		ZHGS1000-0K606_	100

Lug diameter 12 mm and alternative spindle lengths available upon request

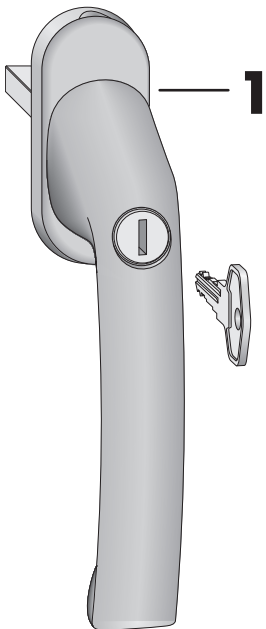
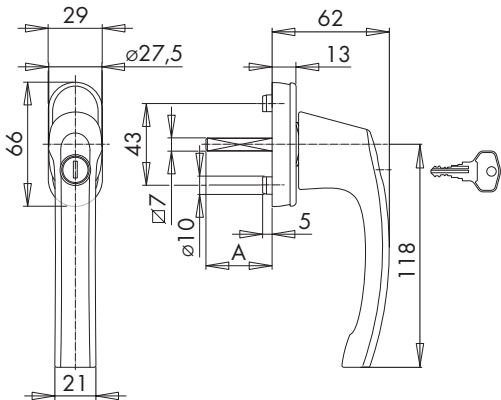
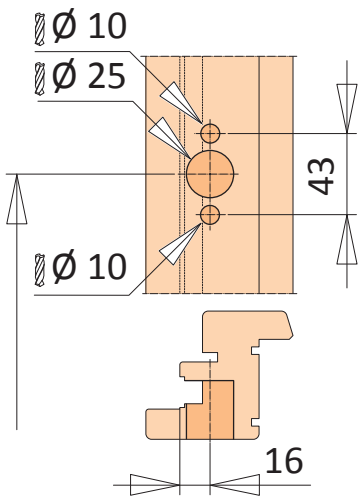
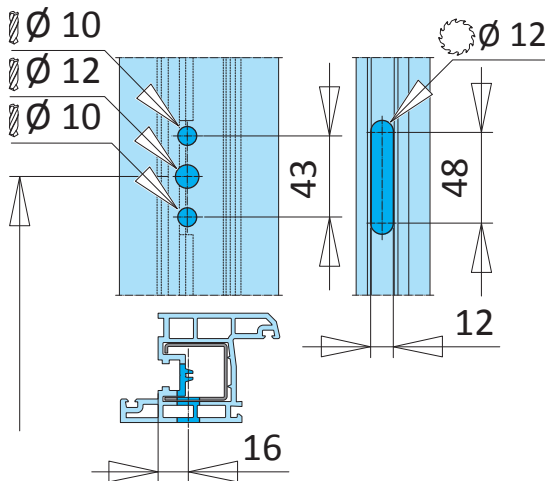
3.2 Handle Globe SEC 25, 31, 35 and 40

Name	Dimensions
Handle Globe SEC...	□ 7 mm square spindle: length A
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill Ø 12 mm Wood twist drill Ø 25 mm	Drill Ø 12 mm Drill Ø 4 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Globe SEC 25 Dimension A = 25 mm	RAL 9016	ZHGS0100-00401_	1
		ZHGS0100-00406_	100
	RAL 8022	ZHGS0100-01201_	1
		ZHGS0100-01206_	100
	F 9 aluminium-steel colours	ZHGS0100-0H401_	1
		ZHGS0100-0H406_	100
	F 4 bronze	ZHGS0100-0K601_	1
		ZHGS0100-0K606_	100
Carton handle Globe SEC 31 Dimension A = 31 mm	RAL 9016	ZHGS0050-00401_	1
		ZHGS0050-00406_	100
	EV 1 silver	ZHGS0050-02401_	1
		ZHGS0050-02406_	100
	F 9 aluminium-steel colours	ZHGS0050-0H401_	1
		ZHGS0050-0H406_	100
	F 3 matt gold	--	1
		ZHGS0050-0I206_	100
Carton handle Globe SEC 35 Dimension A = 35 mm	RAL 9016	ZHGS0060-00401_	1
		ZHGS0060-00406_	100
	RAL 8022	ZHGS0060-01201_	1
		ZHGS0060-01206_	100
	EV 1 silver	ZHGS0060-02401_	1
		ZHGS0060-02406_	100
	F 9 aluminium-steel colours	ZHGS0060-0H401_	1
		ZHGS0060-0H406_	100
	F 3 matt gold	ZHGS0060-0I201_	1
		ZHGS0060-0I206_	100
	F 4 bronze	ZHGS0060-0K601_	1
		ZHGS0060-0K606_	100
Carton handle Globe SEC 40 Dimension A = 40 mm	RAL 9016	ZHGS0110-00401_	1
		ZHGS0110-00406_	100
	RAL 8022	ZHGS0110-01201_	1
		ZHGS0110-01206_	100
	EV 1 silver	ZHGS0110-02401_	1
		ZHGS0110-02406_	100
	F 9 aluminium-steel colours	ZHGS0110-0H401_	1
		ZHGS0110-0H406_	100
	F 3 matt gold	ZHGS0110-0I201_	1
		ZHGS0110-0I206_	100
	F 4 bronze	ZHGS0110-0K601_	1
		ZHGS0110-0K606_	100

Lug diameter 12 mm and alternative spindle lengths available upon request

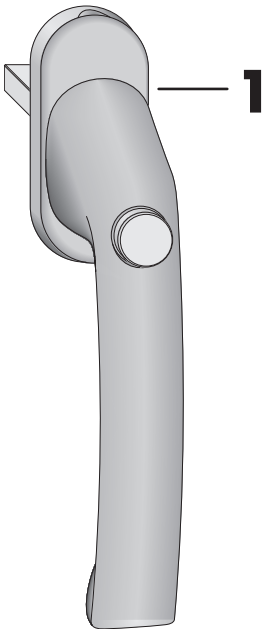
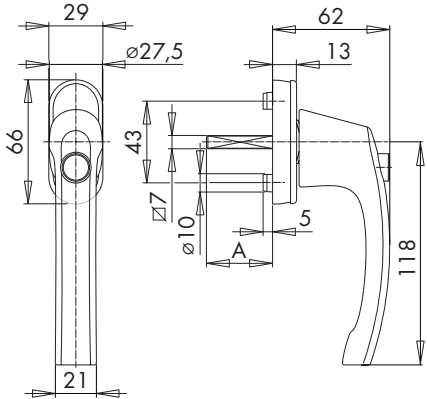
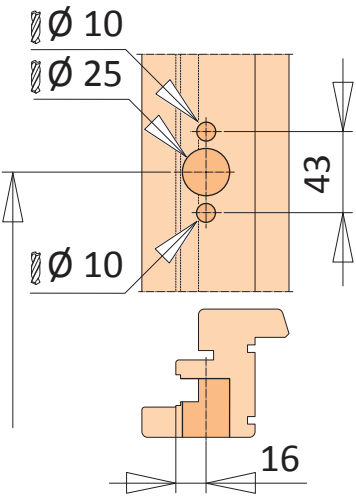
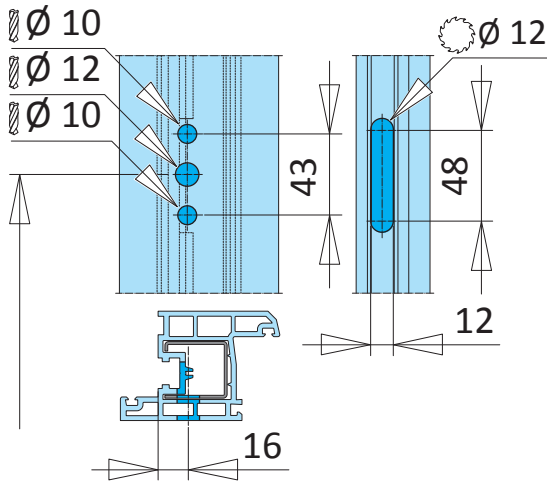
3.3 Handle Globe ABS 40 31, 40 35, 40 40, 100 31 and 100 40

Name	Dimensions
Handle Globe lockable with key	□ 7 mm square spindle: length A
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill Ø 12 mm Wood twist drill Ø 25 mm	Drill Ø 12 mm Drill Ø 4 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Globe ABS 40 31 Dimension A = 31 mm	EV 1 silver	ZHGA0010-02401_	1
		ZHGA0010-02402_	10
Carton handle Globe ABS 40 35 Dimension A = 35 mm	RAL 9016	ZHGA0020-00401_	1
		ZHGA0020-00402_	10
	RAL 8022	ZHGA0020-01201_	1
		ZHGA0020-01202_	10
	EV 1 silver	--	1
		ZHGA0020-02402_	10
	F 9 aluminium-steel colours	ZHGA0020-0H401_	1
		ZHGA0020-0H402_	10
	F 4 bronze	ZHGA0020-0K401_	1
		ZHGA0020-0K402_	10
Carton handle Globe ABS 40 40 Dimension A = 40 mm	RAL 9016	ZHGA0070-00401_	1
		ZHGA0070-00402_	10
	RAL 8022	ZHGA0070-01201_	1
		ZHGA0070-01202_	10
	EV 1 silver	ZHGA0070-02401_	1
		ZHGA0070-02402_	10
	F 9 aluminium-steel colours	ZHGA0070-0H401_	1
		ZHGA0070-0H402_	10
Handle Globe ABS40: 40 Nm resistance to turning and breaking off			
Lug diameter 12 mm and alternative spindle lengths available upon request			

Material description	Colour	Material number	Packaging unit
Carton handle Globe ABS 100 31 Dimension A = 31 mm	EV 1 silver	ZHGA0030-02401_	1
		ZHGA0030-02402_	10
Carton handle Globe ABS 100 40 Dimension A = 40 mm	EV 1 silver	ZHGA0090-02401_	1
		ZHGA0090-02402_	10
Handle Globe ABS100: 100 Nm resistance to turning and breaking off in accordance with DIN EN 1627			
Lug diameter 12 mm and alternative spindle lengths available upon request			

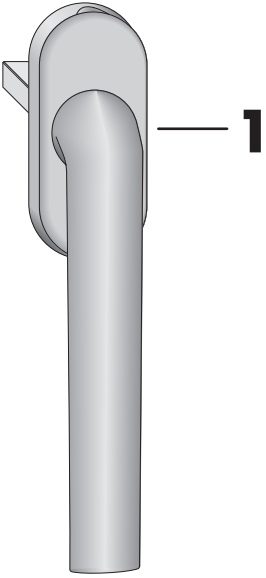
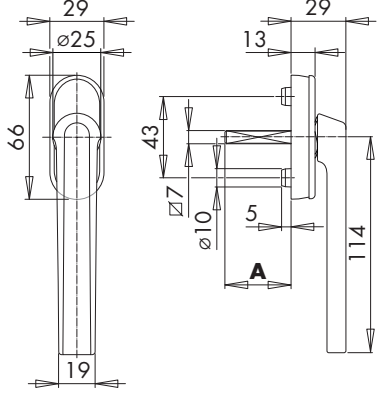
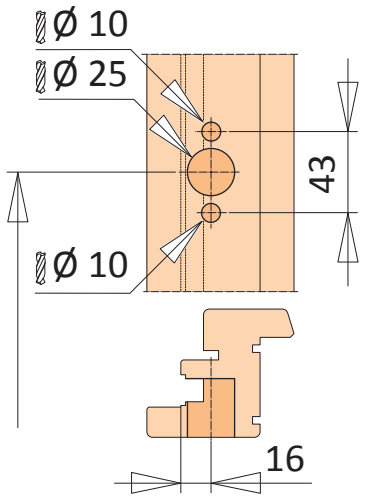
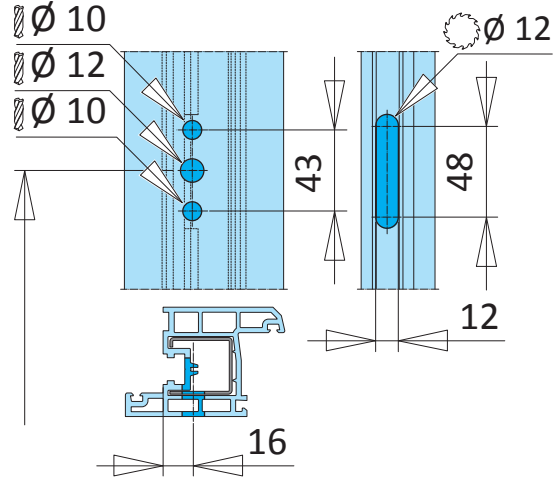
3.4 Handle Globe DKN 35, 40

Name	Dimensions
Handle Globe DKN, lockable with pressure key	□ 7 mm square spindle: length A
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill Ø 12 mm Wood twist drill Ø 25 mm	Drill Ø 12 mm Drill Ø 4 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Globe DKN 35 Dimension A = 35 mm	RAL 9016	ZHGD0020-00401_	1
		ZHGD0020-00402_	10
	EV 1 silver	ZHGD0020-02401_	1
		ZHGD0020-02402_	10
Carton handle Globe DKN 40 Dimension A = 40 mm	RAL 9016	ZHGD0030-00401_	1
		ZHGD0030-00402_	10
	RAL 8022	ZHGD0030-01201_	1
		ZHGD0030-01202_	10
	EV 1 silver	ZHGD0030-02401_	1
		ZHGD0030-02402_	10
	F 9 aluminium-steel colours	ZHGD0030-0H401_	1
		ZHGD0030-0H402_	10
Impedes the distortion of the square spindle and therefore prevents the window gear from being pushed from the outside.			

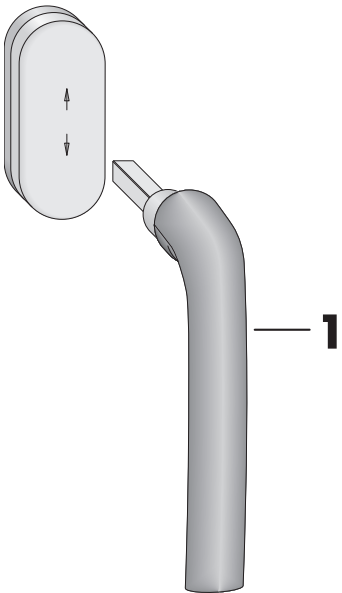
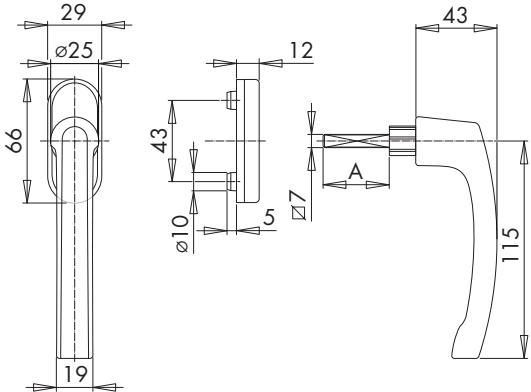
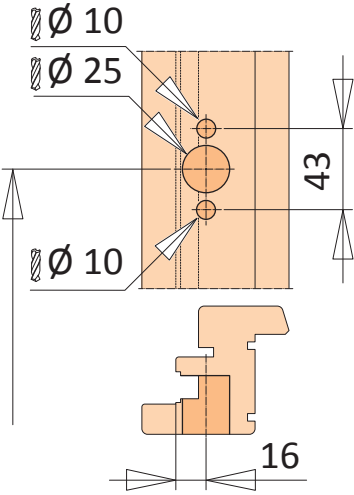
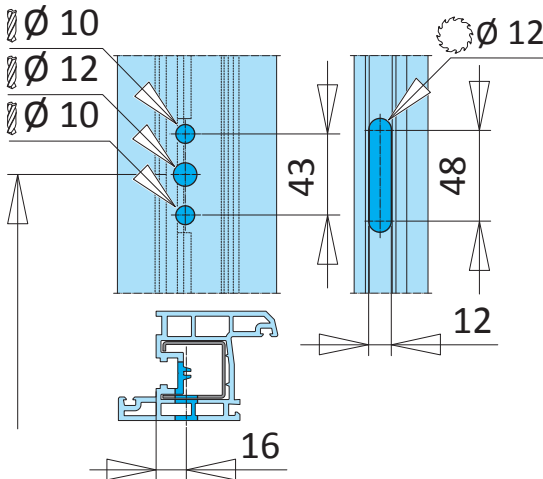
Lug diameter 12 mm and alternative spindle lengths available upon request

3.5 Handle Globe flat 35

Name	Dimensions
Handle Globe flat 35	□ 7 mm square spindle: length A
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill Ø 12 mm Wood twist drill Ø 25 mm	Drill Ø 12 mm Drill Ø 4 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Globe flat 35 Dimension A = 35 mm	RAL 9016	ZHGF0040-00401_	1
		ZHGF0040-00406_	100

3.6 Handle Globe removable

Name	Dimensions
Handle Globe removable	□ 7 mm square spindle: length A
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill Ø 12 mm Wood twist drill Ø 25 mm	Drill Ø 12 mm Drill Ø 4 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Globe removable Dimension A = 45 mm	RAL 9016	ZHGN0010-00401_	1
		ZHGN0010-00402_	10
Carton rose Globe	RAL 9016	ZHGN0010-00401_	1
		ZHGN0010-00402_	10
	F 9 aluminium-steel colours	ZHGN0010-0H401_	1
		ZHGN0010-0H402_	10

3.7 Handle Globe TL/PZ

[illegible]

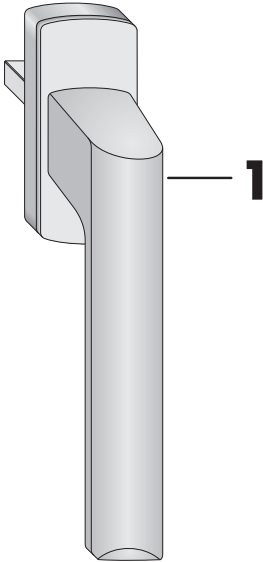
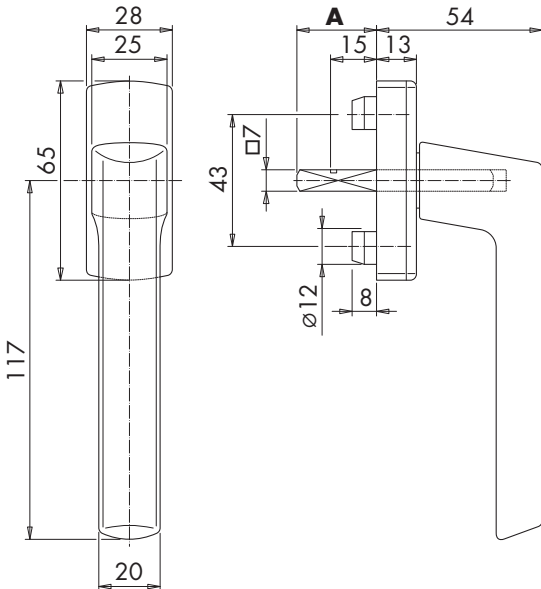
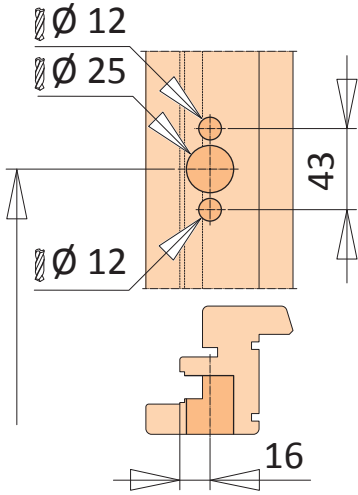
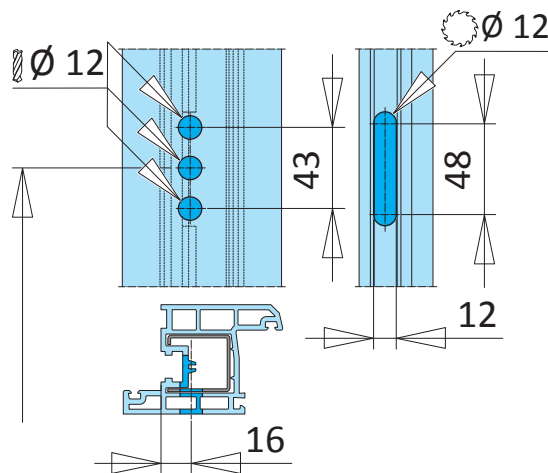
Material description	Colour	Material number	Packaging unit
Carton handle Globe TL/PZ Dimension A = 40 mm	RAL 9016	ZMGP0010-00401_	1
		ZMGP0010-00402_	10
	RAL 8022	ZMGP0010-01201_	1
		ZMGP0010-01202_	10
	EV 1 silver	ZMGP0010-02401_	1
		ZMGP0010-02402_	10
	F 4 bronze	ZMGP0010-0K601_	1
		ZMGP0010-0K602_	10
	F 9 aluminium-steel colours	ZHGP0010-0H401_	1
		ZHGP0010-0H402_	10
Accessories TL/PZ PD 55-64 Dimension A = 115 mm	Titanium silver	ZMZP0030-10001_	1
Accessories TL/PZ PD 65-74 Dimension A = 125 mm	Titanium silver	ZMZP0020-10001_	1
Accessories TL/PZ PD 75-84 Dimension A = 135 mm	Titanium silver	ZMZP0010-10001_	1
Accessories TL/PZ PD 85-94 Dimension A = 145 mm	Titanium silver	ZMZP0040-10001_	1

3.8 Handle Globe TL/PZ outside flat

Name	Dimensions
Handle Globe TL/PZ can be raised from inside and flat outside, lockable with profile cylinder	□ 7 mm square spindle: length A
An exploded view diagram of the handle assembly. Component 1 is the main handle body. Component 2 is a top mounting plate. Component 3 is a bottom mounting plate. Component 4 is a lock cylinder. Component 5 is a small rectangular piece. Components 6 and 7 are screws used for mounting.	Technical drawing showing dimensions for the handle assembly in three views: front, side, and top. Dimensions include 24, 8, 43, 114, 12, M5, 29, ø25, 68, 19, 85, 28, 66, 29, ø25, 57, 13, 43, ø10, 5, 115, 8, 63, 8, 12, 63, 10, 19, 28, 80, 28, 63, 8.
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill Ø 12 mm Wood twist drill Ø 20 mm Groove saw Ø 25 mm	Drill Ø 12 mm HS Bi-metal hole saw Ø 20 mm Milling cutter Ø 12 mm
Technical drawing showing drilling template dimensions for timber. Dimensions include Ø 10, Ø 12, Ø 10, Ø 25, 43, 80, D, 16, 63, 80, 10, Ø 20, 12, 8,5, A, B, C.	Technical drawing showing drilling template dimensions for PVC/ALU. Dimensions include Ø 10, Ø 12, Ø 10, Ø 25, 43, 80, 16, 63, 10, Ø 20, 12, 8,5, A, B, C.

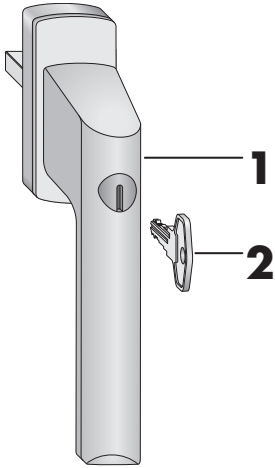
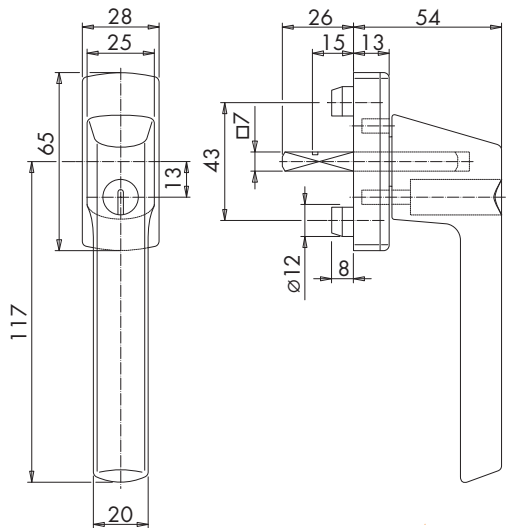
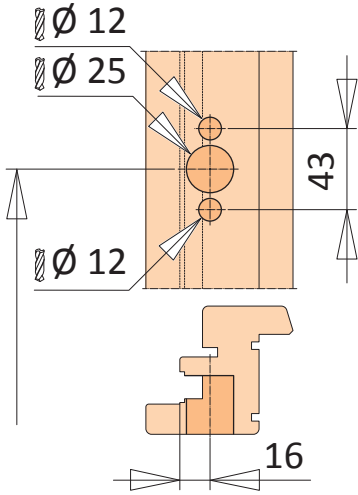
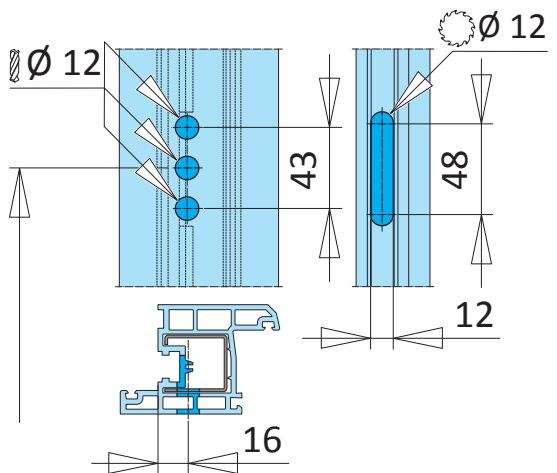
Material description	Colour	Material number	Packaging unit
Carton handle Globe TL/PZ outside flat Dimension A = 40 mm	RAL 9016	ZMGP0020-00401_	1
		ZMGP0020-00402_	10
	RAL 8022	ZMGP0020-01202_	10
	EV 1 silver	ZMGP0020-02402_	10
	F 4 bronze	ZMGP0020-0K602_	10
	F 9 aluminium-steel colours	ZMGP0020-0H402_	10
Accessories TL/PZ PD 55-64 Dimension A = 115 mm	Titanium silver	ZMGP0030-10001_	1
Accessories TL/PZ PD 65-74 Dimension A = 125 mm	Titanium silver	ZMGP0020-10001_	1
Accessories TL/PZ PD 75-84 Dimension A = 135 mm	Titanium silver	ZMGP0010-10001_	1
Accessories TL/PZ PD 85-94 Dimension A = 145 mm	Titanium silver	ZMGP0040-10001_	1

3.9 Handle Si-line 26, 31, 35, 40 and 45

Name	Dimensions
Handle Si-line...	□ 7 mm square spindle: length A
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 25 mm	Drill $\varnothing$ 12 mm Drill $\varnothing$ 4 mm
	

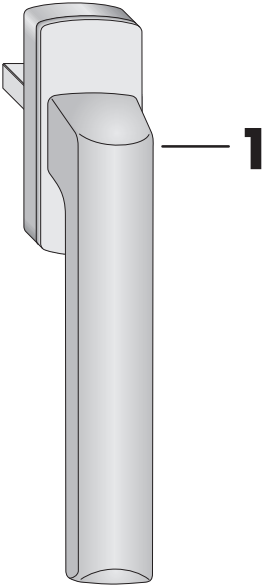
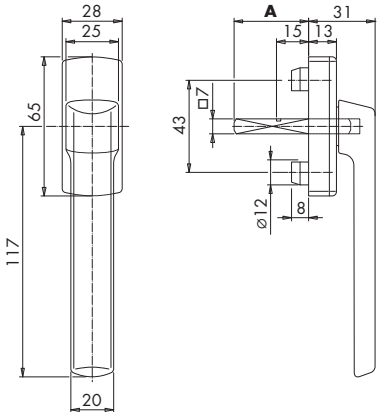
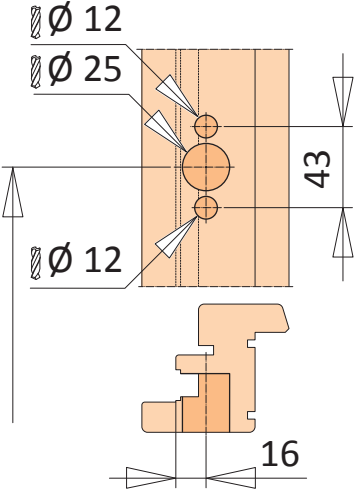
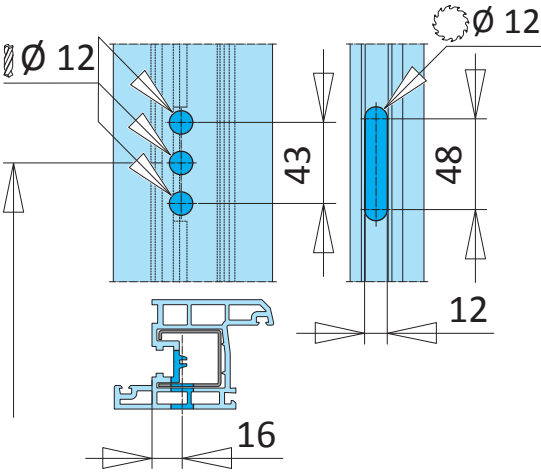
Material description	Colour	Material number	Packaging unit
Carton handle Si-line 26 Dimension A = 26 mm	RAL 9016	872130	1
		259078	100
	EV 1 silver	872123	1
		259061	100
Carton handle Si-line 31 Dimension A = 31 mm	RAL 9003	844052	1
		234990	100
	RAL 8019	844069	1
		235003	100
	EV 1 silver	864715	1
		252314	100
	EV 2 new silver	869024	1
		239070	100
	Titan matt bright	848647	1
		238981	100
	Si-gold matt	848654	1
		238998	100
Carton handle Si-line 35 Dimension A = 35 mm	RAL 9003	853856	1
		243947	100
	RAL 8019	853863	1
		243954	100
	RAL 8022	895986	1
		307250	100
	EV 1 silver	869055	1
		256473	100
	EV 2 new silver	869352	1
		256756	100
	Titan matt bright	869079	1
		256497	100
	Si-gold matt	869086	1
		266503	100
Carton handle Si-line 40 Dimension A = 40 mm	RAL 9003	868973	1
		256374	100
	RAL 8019	ZHSS3210-01101_	1
		ZHSS3210-01106_	100
	Titan matt bright	ZHSS3210-03401_	1
		ZHSS3210-03406_	100
Carton handle Si-line 45 Dimension A = 45 mm	RAL 9003	ZHSS0030-00201_	1
		ZHSS0030-00206_	100
	EV 1 silver	ZHSS0030-02401_	1
		ZHSS0030-02406_	100

3.10 Handle Si-line ABS 26, 31, 35 and 40

Name	Dimensions
Handle Si-line ABS lockable	□ 7 mm square spindle: length A
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 25 mm	Drill $\varnothing$ 12 mm Drill $\varnothing$ 4 mm
	

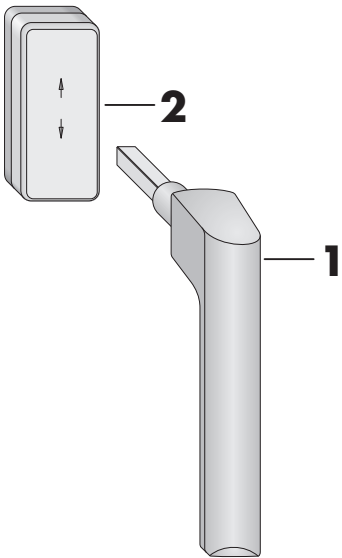
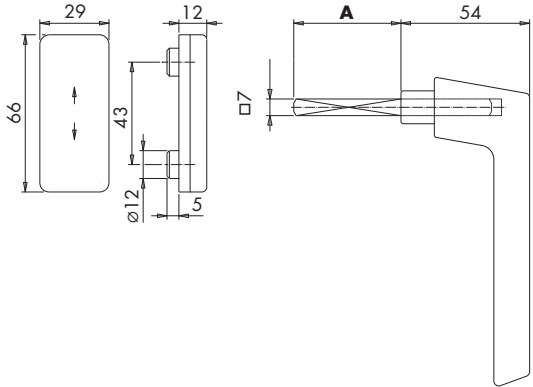
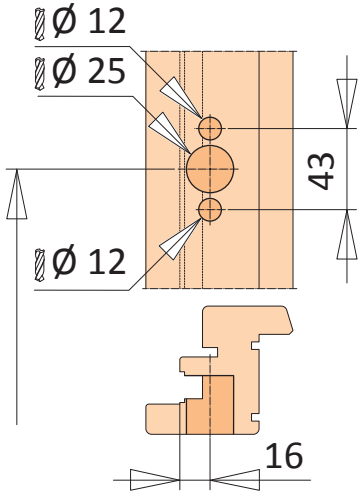
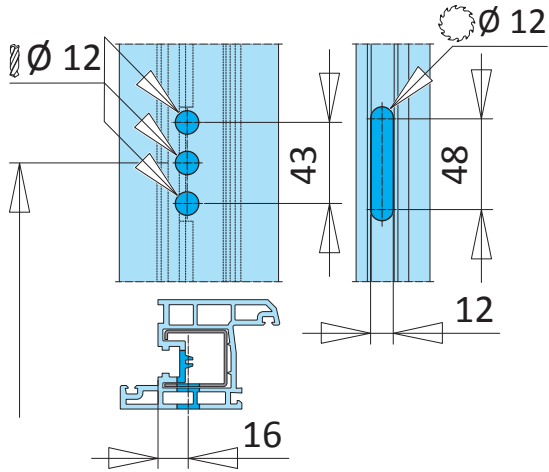
Material description	Colour	Material number	Packaging unit
Carton handle Si-line ABS 26 Dimension A = 26 mm	RAL 9016	ZHSA3000-00401_	1
		ZHGS3000-00402_	10
Carton handle Si-line ABS 31 Dimension A = 31 mm	RAL 9003	852392	1
		242629	10
	RAL 8019	--	1
		242636	10
	EV 1 silver	868249	1
		255902	10
	EV 2 new silver	861783	1
		249734	10
	Titan matt bright	861776	1
		249727	10
Si-gold matt	861790	1	
	249741	10	
Carton handle Si-line ABS 35 Dimension A = 35 mm	RAL 9003	862575	1
		250471	10
	RAL 8019	862582	1
		250488	10
	EV 1 silver	880647	1
		268360	10
	Titan matt bright	900567	1
		316740	10
Carton handle Si-line ABS 40 Dimension A = 40 mm	Titan matt bright	ZHSA3020-03401_	1
		ZHSA3020-03402_	10
Handle Si-line lockable: 100 Nm resistance to turning and breaking off in accordance with DIN EN 1627			

3.11 Handle Si-line flat

Name	Dimensions
Handle Si-line flat	□ 7 mm square spindle: length A
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill Ø 12 mm Wood twist drill Ø 25 mm	Drill Ø 12 mm Drill Ø 4 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Si-line flat Dimension A = 35 mm	RAL 9003	892473	1
		300510	10
	RAL 8019	892480	1
		300527	10
	EV 1 silver	892428	1
		300466	10

3.12 Handle Si-line

Name	Dimensions
Handle Si-line removable	□ 7 mm square spindle: length A
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill Ø 12 mm Wood twist drill Ø 25 mm	Drill Ø 12 mm Drill Ø 4 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Si-line removable Dimension A = 45 mm	RAL 9003	ZHAN0010-00201_	1
		ZHAN0010-00204_	25
Carton rose Si-line	RAL 9003	862605	1
		250495	10
	RAL 8019	869833	1
		257418	10
	EV 1 silver	869826	1
		257401	10
	RAL 9005	ZHSR0010-52301_	1
		ZHSR0010-52302_	10

3.13 Handle Si-line TL/PZ inside and outside high

Name	Dimensions
Handle Si-line TL/PZ	□ 7 mm square spindle: length A
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill Ø 12 mm Wood twist drill Ø 20 mm Groove saw Ø 25 mm	Drill Ø 12 mm HS Bi-metal hole saw Ø 20 mm Milling cutter Ø 12 mm

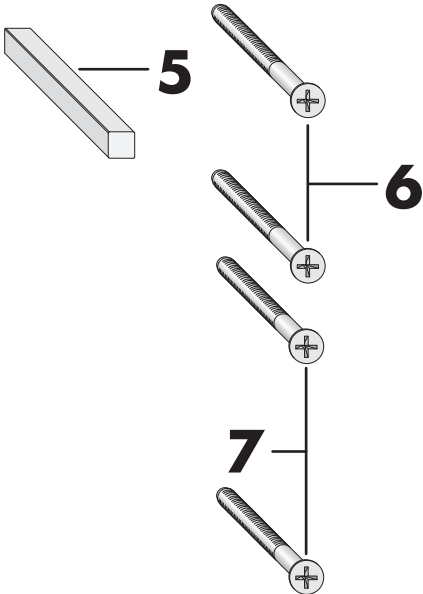
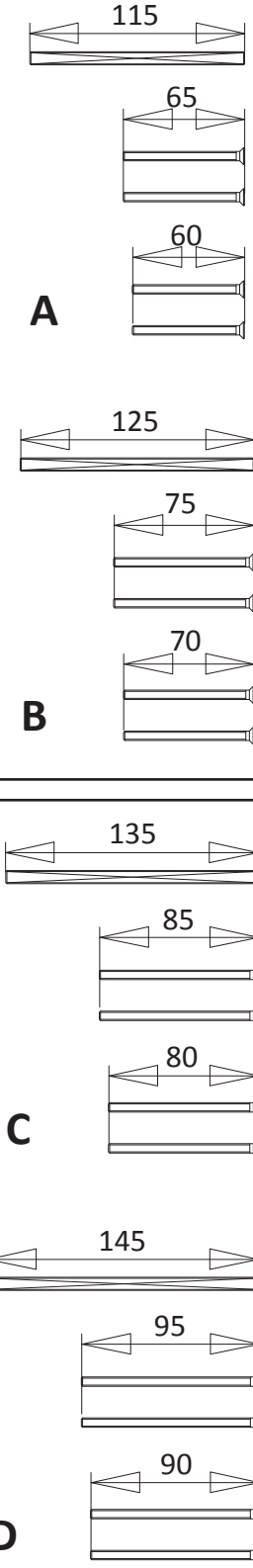
Material description	Colour	Material number	Packaging unit
Carton handle Si-line TL/PZ	RAL 9016	ZHGP0010-00401_	1
		ZHGP0010-00402_	10
	RAL 8022	ZHGP0010-01201_	1
		ZHGP0010-01202_	10
	EV 1 silver	ZHGP0010-02401_	1
		ZHGP0010-02402_	10
	F 9 aluminium-steel colours	ZHGP0010-0H401_	1
		ZHGP0010-0H402_	10
Accessories TL/PZ PD 55-64 Dimension A = 115 mm	Titanium silver	ZMZP0030-10001_	1
Accessories TL/PZ PD 65-74 Dimension A = 125 mm	Titanium silver	ZMZP0020-10001_	1
Accessories TL/PZ PD 75-84 Dimension A = 135 mm	Titanium silver	ZMZP0010-10001_	1
Accessories TL/PZ PD 85-94 Dimension A = 145 mm	Titanium silver	ZMZP0040-10001_	1

3.14 Handle Si-line TL/PZ can be raised from inside and outside flat

Name	Dimensions
Carton handle Si-line TL/PZ	□ 7 mm square spindle: length A
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Groove saw $\varnothing$ 25 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 12 mm

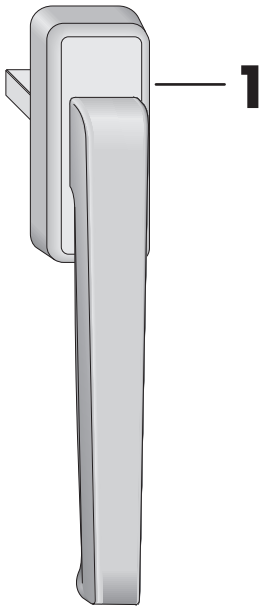
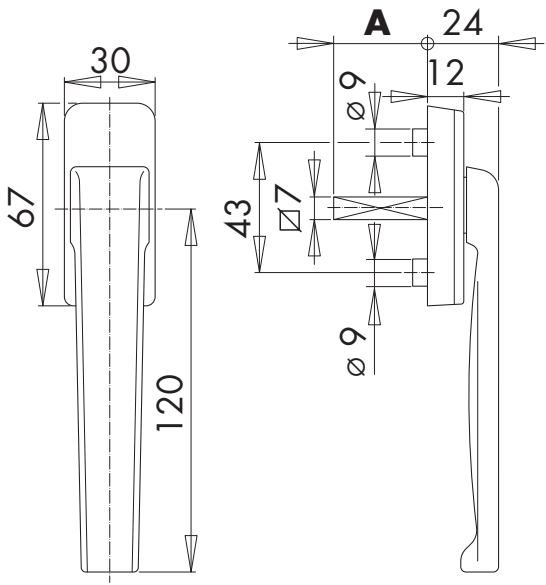
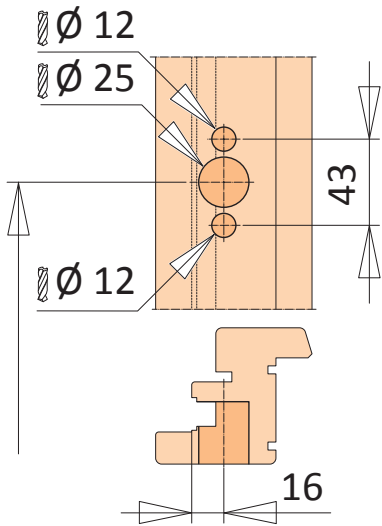
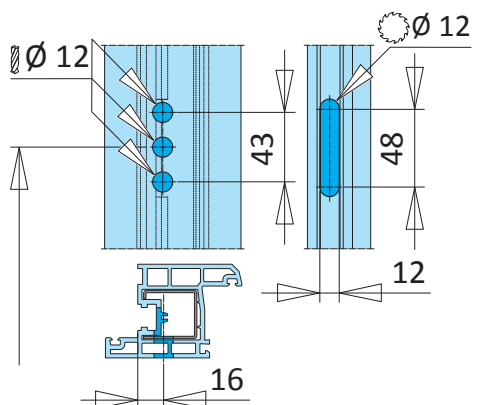
Material description	Colour	Material number	Packaging unit
Carton handle Si-line TL/PZ flat	RAL 9016	ZHGP0010-00401_	1
		ZHGP0010-00402_	10
	RAL 8022	ZHGP0010-01201_	1
		ZHGP0010-01202_	10
	EV 1 silver	ZHGP0010-02401_	1
		ZHGP0010-02402_	10
	F 9 aluminium-steel colours	ZHGP0010-0H401_	1
		ZHGP0010-0H402_	10
Accessories TL/PZ PD 55-64 Dimension A = 115 mm	Titanium silver	ZMZIP0030-10001_	1
Accessories TL/PZ PD 65-74 Dimension A = 125 mm	Titanium silver	ZMZIP0020-10001_	1
Accessories TL/PZ PD 75-84 Dimension A = 135 mm	Titanium silver	ZMZIP0010-10001_	1
Accessories TL/PZ PD 85-94 Dimension A = 145 mm	Titanium silver	ZMZIP0040-10001_	1

3.15 Handle accessories TL PZ

Name	Dimensions
Accessories TL/PZ	□ 7 mm square spindle: countersunk screws M 5 x ...
	 A B C D

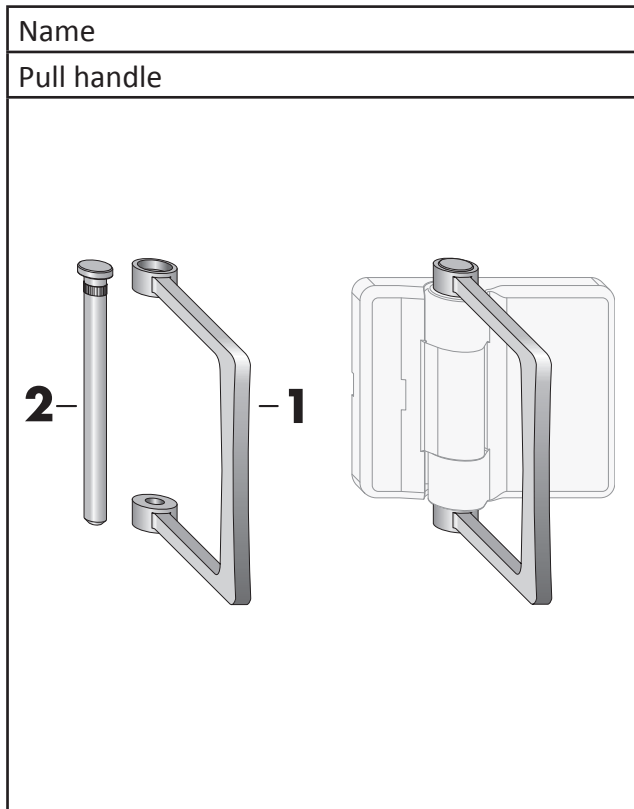
Material description		Material number	Packaging unit
Carton of accessories TL PZ	A for sash thickness 55 ... 64 mm	ZMZP0030-10001_	1
	B for sash thickness 65 ... 74 mm	ZMZP0020-10001_	1
	C for sash thickness 75 ... 84 mm	ZMZP0010-10001_	1
	D for sash thickness 85 ... 94 mm	ZMZP0040-10001_	1

3.16 Handle FS flat

Name	Dimensions
Handle FS flat	□ 7 mm square spindle: length A
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Groove saw $\varnothing$ 25 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 12 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle FS flat Dimension A = 50 mm	White	PHIG0010-50201_	1
		PHIG0010-50202_	10
	RAL 8022	PHIG0010-51201_	1
		PHIG0010-51202_	10
	RAL 8019	PHIG0010-51101_	1
		PHIG0010-51102_	10
	EV 1 silver	PHIG0010-52401_	1
		PHIG0010-52402_	10
	C 33 medium bronze	PHIG0010-53001_	1
		PHIG0010-53002_	10
	Si-gold matt	PHIG0010-53701_	1
		PHIG0010-53701_	10

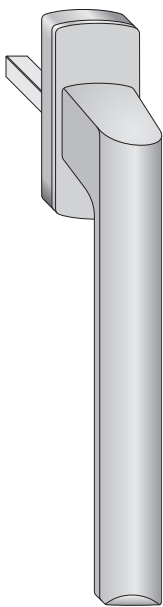
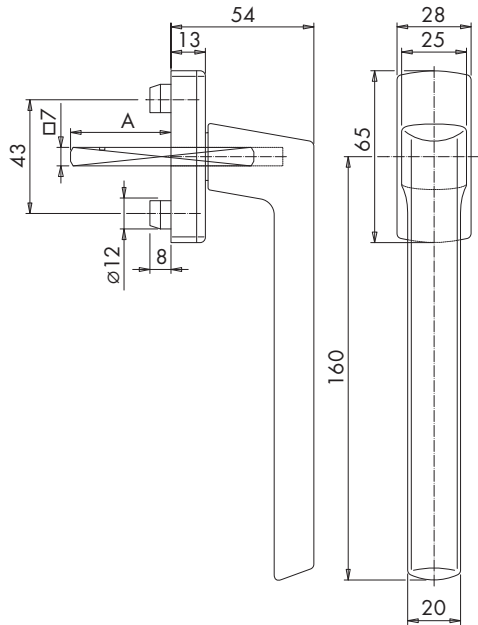
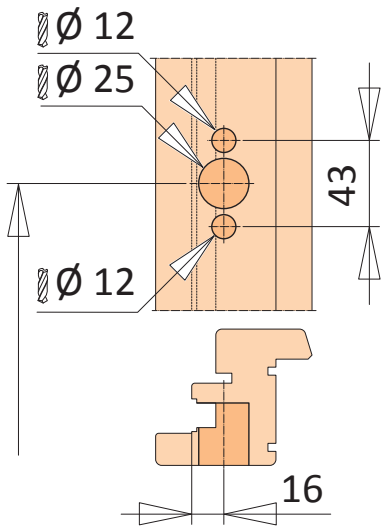
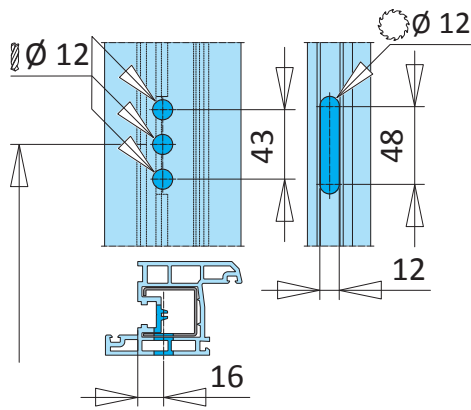
3.17 Pull handle



Material description	Colour	Material number	Packaging unit
Carton pull handle	RAL 9016	PMHG0010-00401_	1
	RAL 8019	PMHG0010-01101_	1
	Si-silver	PMHG0010-02501_	1
	Mill finish	PMHG0010-50001_	1

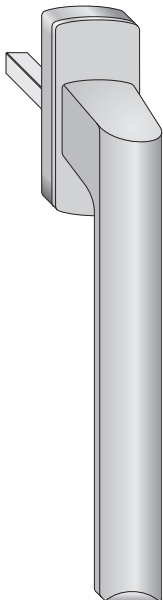
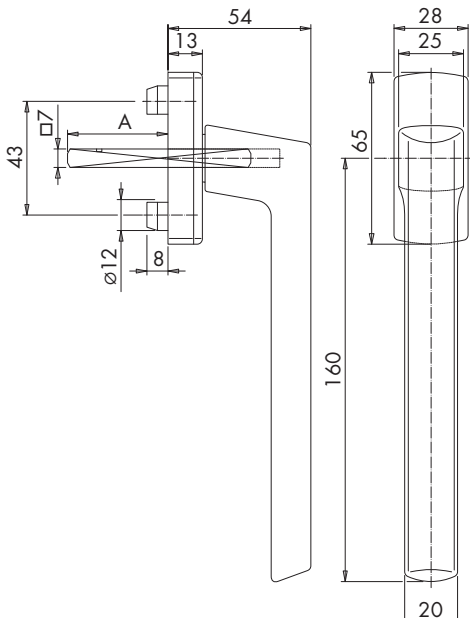
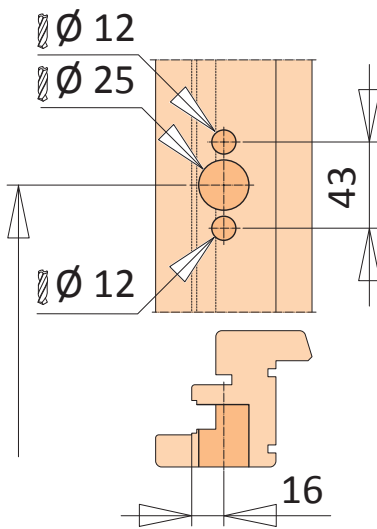
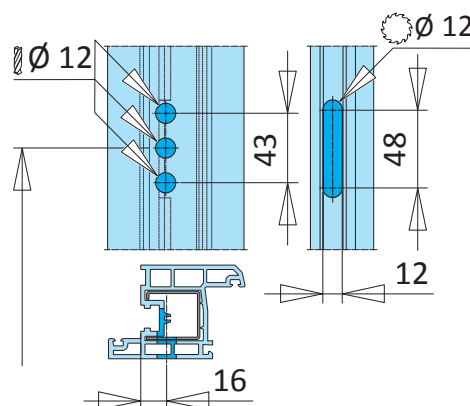
4 Handle for PORTAL ES, PS and PSK elements

4.1 Handle Si-line handle PSK 31, 35

Name	Dimensions
Handle Si-line PSK ..	□ 7 mm square spindle: length A
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Groove saw $\varnothing$ 25 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 12 mm
	

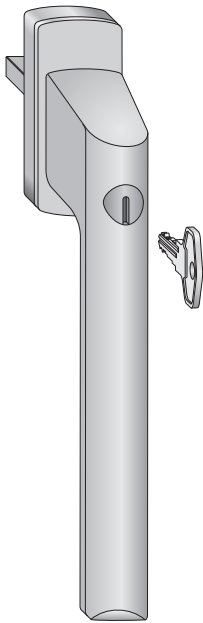
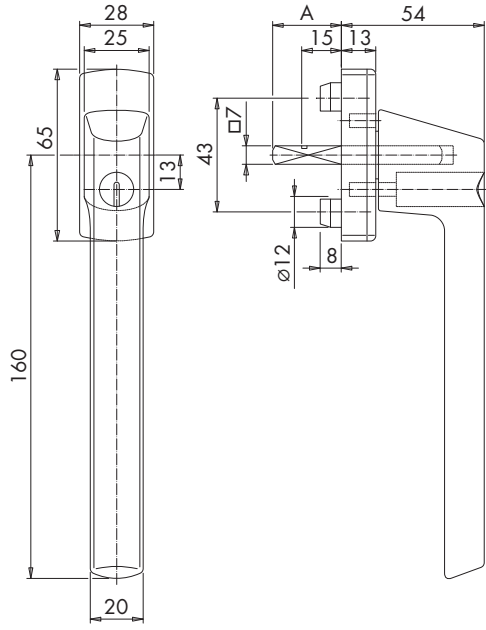
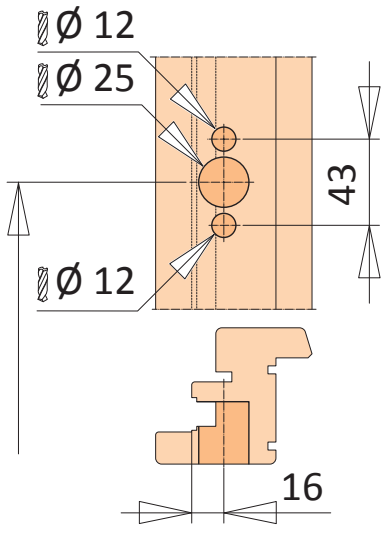
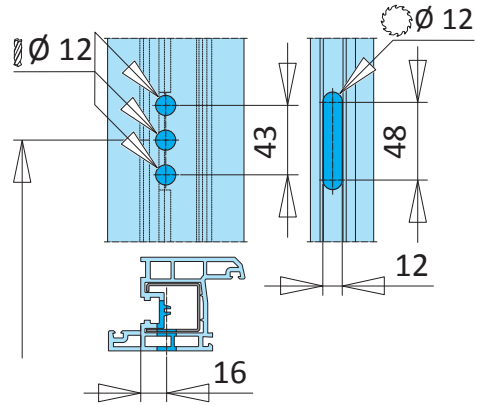
Material description	Colour	Material number	Packaging unit
Carton handle Si-line PSK 31 Dimension A = 31 mm	RAL 9001	877425	1
		264065	10
	RAL 9003	858264	1
		247853	10
	RAL 8022	895634	1
		306772	10
	EV 1 silver	872086	1
		259030	10
	EV 2 new silver	--	1
		247846	10
	C 33 medium bronze	858288	1
		247877	10
	Titan matt bright	897683	1
		311097	10
	F 9 aluminium-steel colours	PHIJ0010-5H401_	1
		PHIJ0010-5H402_	10
	F 4 bronze	PHIJ0010-5K601_	1
		PHIJ0010-5K602_	10
	RAL 9005	884010	1
		272541	10
	Si old gold	PHIJ0010-5H001_	1
		PHIJ0010-5H002_	10
Carton handle Si-line PSK 35 Dimension A = 35 mm	RAL 9003	875926	1
		262924	10
	RAL 8022	895689	1
		306796	10
	EV 1 silver	875902	1
		262900	10
	C 33 medium bronze	875940	1
		262948	10
	Titan matt bright	884744	1
		272954	10
	F 9 aluminium-steel colours	PHIJ0030-5H401_	1
		PHIJ0030-5H402_	10
	F 4 bronze	PHIJ0030-5K601_	1
		PHIJ0030-5K602_	10
	Si old gold	PHIJ0030-5H001_	1
		PHIJ0030-5H002_	10

4.2 Handle Si-line handle PSK 45

Name	Dimensions
Handle Si-line PSK ..	□ 7 mm square spindle: length A
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Groove saw $\varnothing$ 25 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 12 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Si-line PSK 45 Dimension A = 45 mm	RAL 9003	PHIJ0040-50201_	1
		PHIJ0040-50202_	10
	RAL 8022	PHIJ0040-51201_	1
		PHIJ0040-51202_	10
	EV 1 silver	PHIJ0040-52401_	1
		PHIJ0040-52402_	10
	F 9 aluminium-steel colours	--	1
		PHIJ0040-5H402_	10
	C 33 medium bronze	PHIJ0040-53001_	1
		PHIJ0040-53002_	10

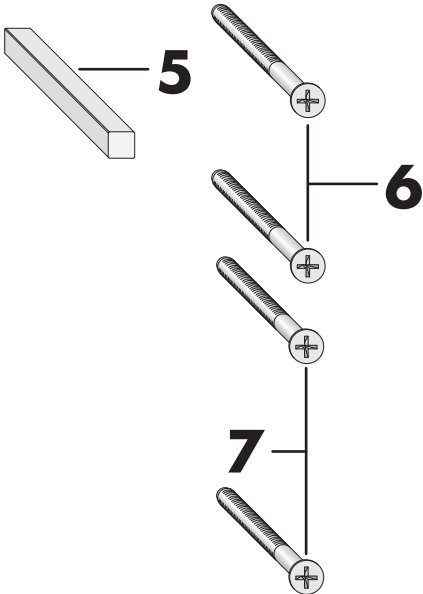
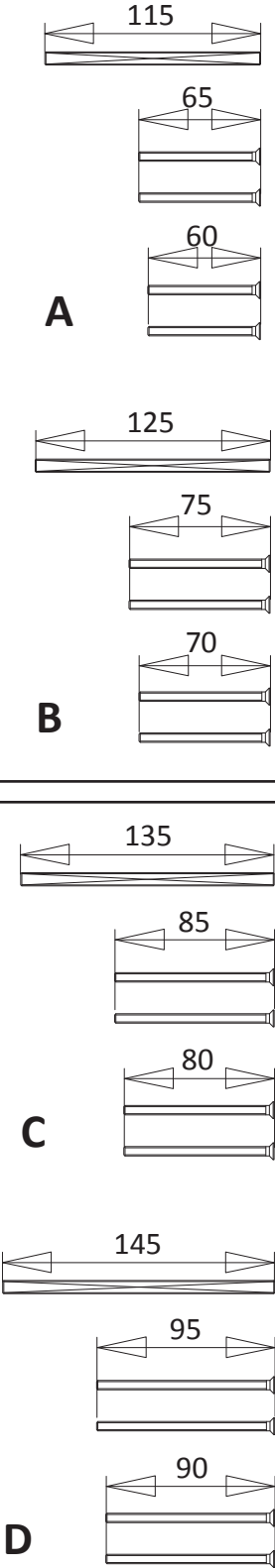
4.3 Handle Si-line handle PSK ABS 31, 35 and 45

Name	Dimensions
Handle Si-line PSK ..ABS lockable	□ 7 mm square spindle: length A
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Groove saw $\varnothing$ 25 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 12 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Si-line PSK ABS 31 Dimension A = 31 mm	RAL 9003	858318	1
		247907	10
	RAL 9001	PHIJ0020-50101_	1
		PHIJ0020-50102_	10
	RAL 8022	895641	1
		--	10
	EV 1 silver	872093	1
		259047	10
	C 33 medium bronze	858332	1
		247921	10
	F 4 bronze	PHIJ0020-5K601_	1
		PHIJ0020-5K602_	10
Carton handle Si-line PSK ABS 35 Dimension A = 35 mm	RAL 9003	PHIJ0020-5H001_	1
		PHIJ0020-5H002_	10
	RAL 8022	875957	1
		--	10
	Titan matt bright	895696	1
		--	10
	F 9 aluminium-steel colours	885123	1
		290057	10
	F 4 bronze	PHIJ0030-5H401_	1
		PHIJ0030-5H402_	10
	Si old gold	PHIJ0090-5K601_	1
		PHIJ0090-5K602_	10
Carton handle Si-line PSK ABS 45 Dimension A = 45 mm	RAL 9003	PHIJ0090-5H001_	1
		PHIJ0090-5H002_	10
	RAL 8022	PHIJ0050-50201_	1
		PHIJ0050-50202_	10
	EV 1 silver	PHIJ0050-51201_	1
		PHIJ0050-51202_	10
	C 33 medium bronze	PHIJ0050-52401_	1
		PHIJ0050-52401_	10
	C 33 medium bronze	PHIJ0050-53001_	1
		PHIJ0050-53002_	10

Material description	Colour	Material number	Packaging unit
Carton handle Si-line PSK ..PZ outside flat	RAL 9003	262214	1
	RAL 8022	306819	1
	EV 1 silver	262191	1
F 9 aluminium-steel colours		PMHJ0060-0H401_	1
C 33 medium bronze		262238	1
Accessories TL/PZ PD 55-64 Dimension A = 115 mm	Titanium silver	ZMZP0030-10001_	1
Accessories TL/PZ PD 65-74 Dimension A = 125 mm	Titanium silver	ZMZP0020-10001_	1
Accessories TL/PZ PD 75-84 Dimension A = 135 mm	Titanium silver	ZMZP0010-10001_	1
Accessories TL/PZ PD 85-94 Dimension A = 145 mm	Titanium silver	ZMZP0040-10001_	1

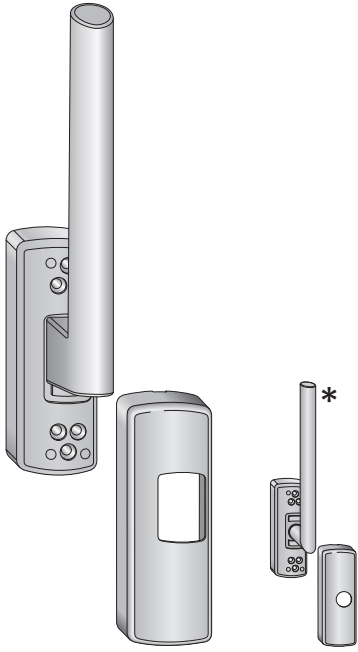
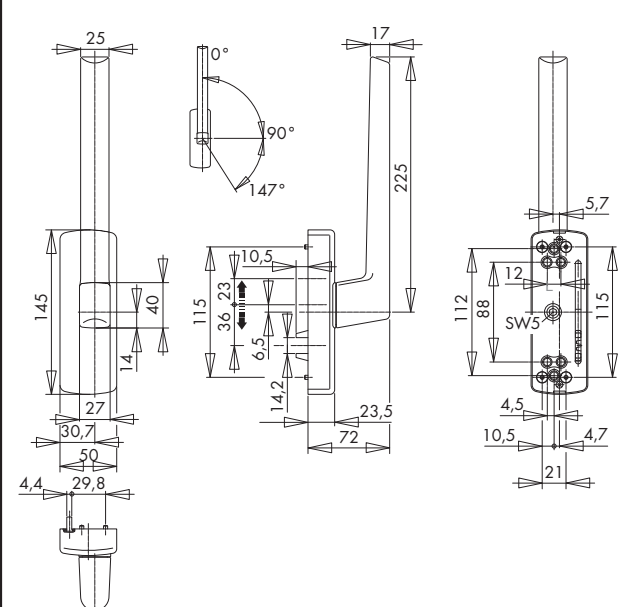
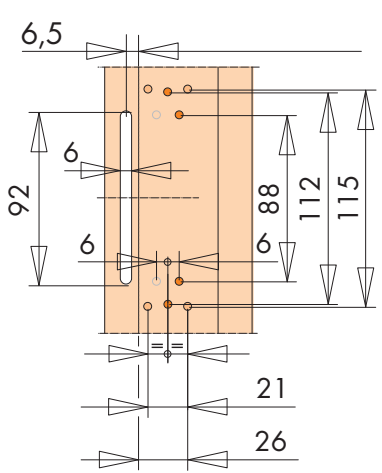
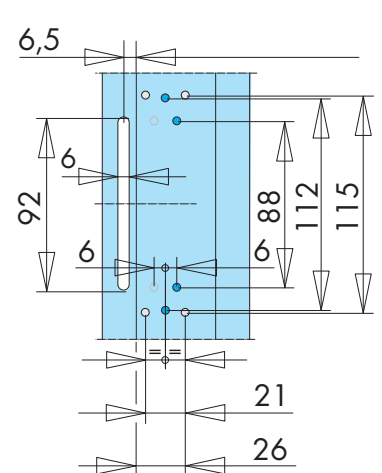
4.5 Handle accessories TL PZ

Name	Dimensions
Accessories TL/PZ	□ 7 mm square spindle: countersunk screws M 5 x ...
	 A B C D

Material description		Material number	Packaging unit
Carton of accessories TL PZ	A for sash thickness 55 ... 64 mm	ZMZP0030-10001_	1
	B for sash thickness 65 ... 74 mm	ZMZP0020-10001_	1
	C for sash thickness 75 ... 84 mm	ZMZP0010-10001_	1
	D for sash thickness 85 ... 94 mm	ZMZP0040-10001_	1

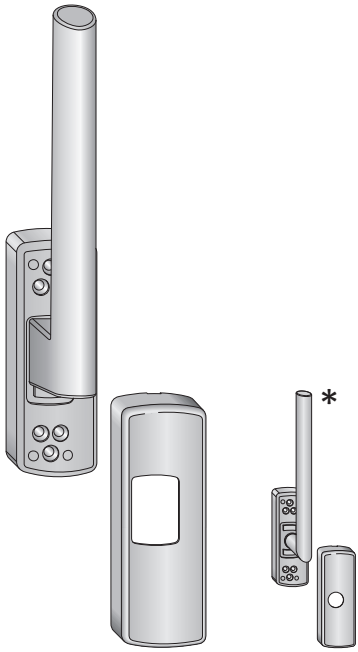
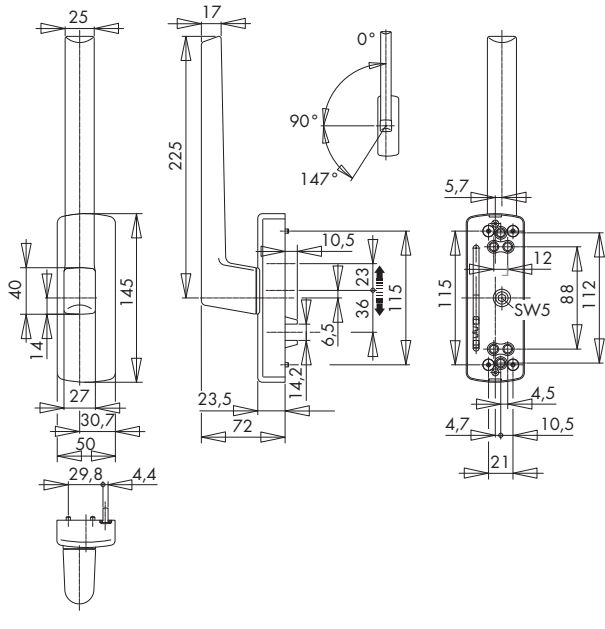
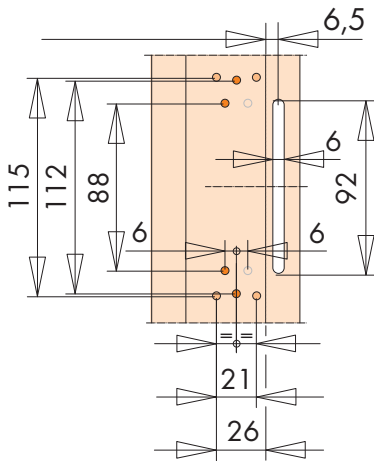
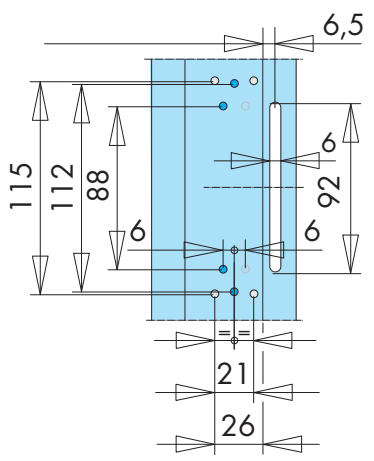
5 Handle for PORTAL PSK-Z elements

5.1 Handle Si-line handle PSK-Z DIN LH

Name	Dimensions
Handle PSK 200/GH	
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 4.0 or 4.2 mm Milling cutter $\varnothing$ 6.0 or 8.0 mm	Drill $\varnothing$ 4.0 or 4.2 mm Milling cutter $\varnothing$ 6.0 or 8.0 mm
	

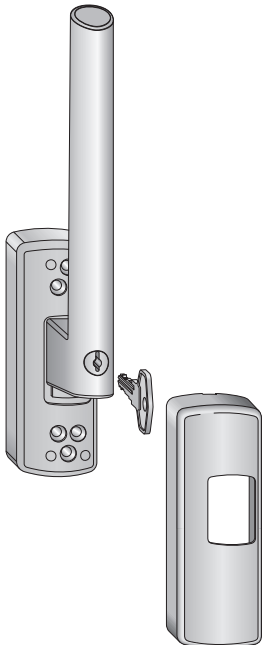
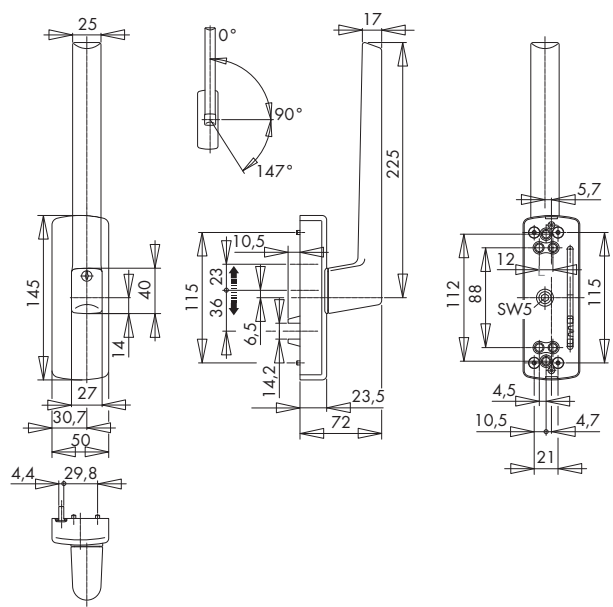
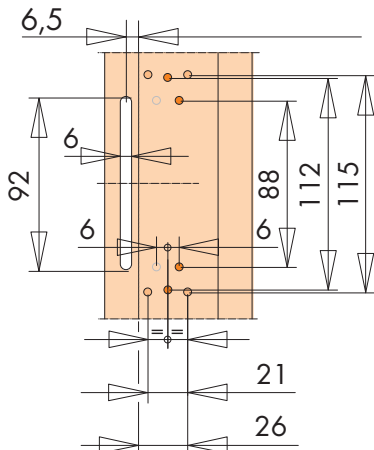
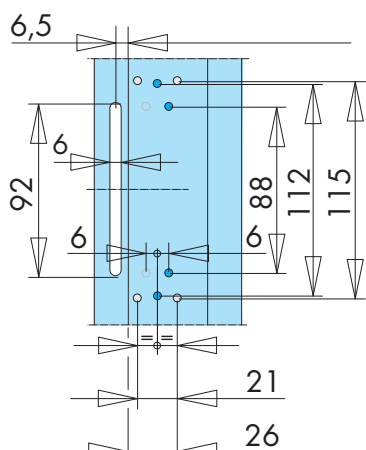
Material description	Colour	Material number	Packaging unit
Carton handle PSK 200/GH For DIN LH elements	RAL 9003	PHIL0032-50201_	1
	RAL 8022	PHIL0032-51201_	1
	EV 1 silver	PHIL0032-52401_	1
	F 4 bronze	PHIL0032-5K601_	1
	F 9 aluminium-steel colours	PHIL0032-5H401_	1
	RAL 9005	PHIL0032-52301_	1
	Matte gold	PHIL0032-53701_	1
	Si old gold	PHIL0032-5H001_	1
	Stainless steel*	PHIL0032-00001_	1

5.2 Handle Si-line handle PSK-Z DIN RH

Name	Dimensions
Handle PSK 200/GH 	
Drilling template - timber Wood twist drill $\varnothing$ 4.0 or 4.2 mm Milling cutter $\varnothing$ 6.0 or 8.0 mm	Drilling template - PVC/ALU Drill $\varnothing$ 4.0 or 4.2 mm Milling cutter $\varnothing$ 6.0 or 8.0 mm
	

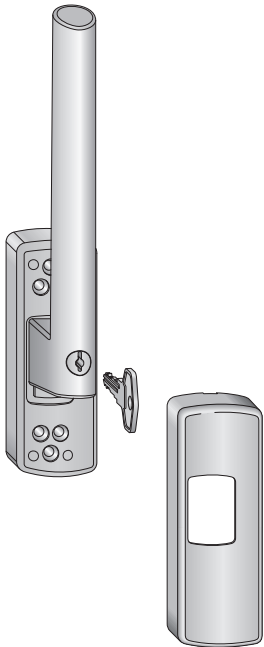
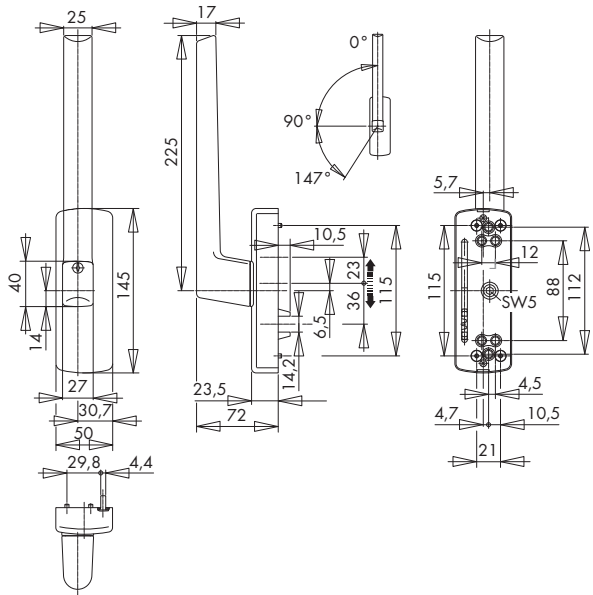
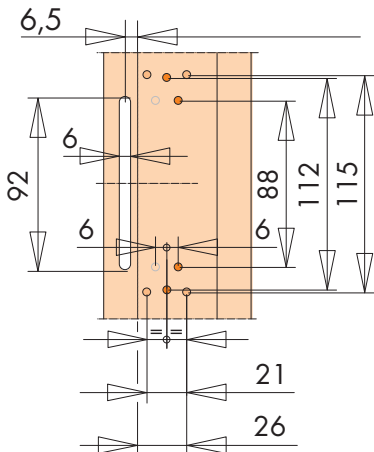
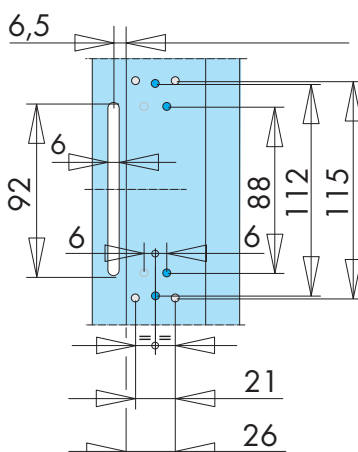
Material description	Colour	Material number	Packaging unit
Carton handle PSK 200/GH For DIN RH elements	RAL 9003	PHIL0031-50201_	1
	RAL 8022	PHIL0031-51201_	1
	EV 1 silver	PHIL0031-52401_	1
	F 4 bronze	PHIL0031-5K601_	1
	F 9 aluminium-steel colours	PHIL0031-5H401_	1
	RAL 9005	PHIL0031-52301_	1
	Matte gold	PHIL0031-53701_	1
	Si old gold	PHIL0031-5H001_	1
	Stainless steel*	PHIL0031-00001_	1

5.3 Handle Si-line handle PSK-Z lockable DIN LH

Name	Dimensions
Handle PSK 200/GH ABS	
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 4.0 or 4.2 mm Milling cutter $\varnothing$ 6.0 or 8.0 mm	Drill $\varnothing$ 4.0 or 4.2 mm Milling cutter $\varnothing$ 6.0 or 8.0 mm
	

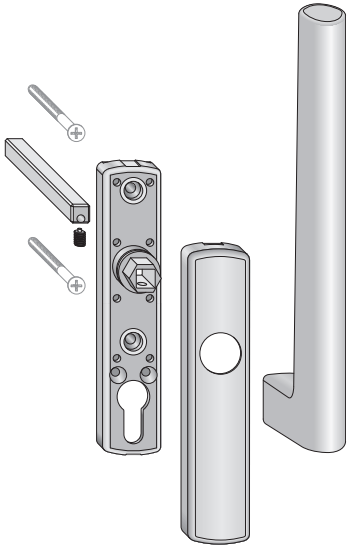
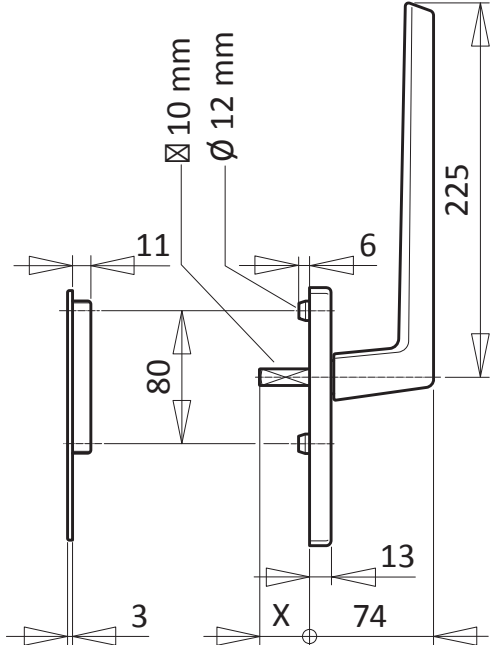
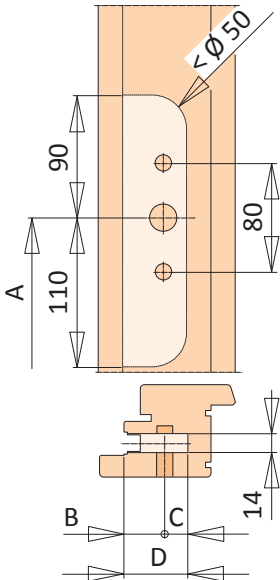
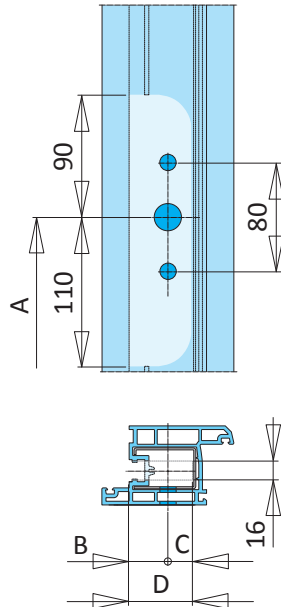
Material description	Colour	Material number	Packaging unit
Carton handle PSK 200/GH ABS For DIN LH elements	RAL 9003	PHIL0042-50201_	1
	RAL 8022	PHIL0042-51201_	1
	EV 1 silver	PHIL0042-52401_	1
	F 4 bronze	PHIL0042-5K601_	1
	F 9 aluminium-steel colours	PHIL0042-5H401_	1
	RAL 9005	PHIL0042-52301_	1
	Si old gold	PHIL0042-5H001_	1

5.4 Handle Si-line handle PSK-Z lockable DIN RH

Name	Dimensions
Handle PSK 200/GH ABS	
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 4.0 or 4.2 mm Milling cutter $\varnothing$ 6.0 or 8.0 mm	Drill $\varnothing$ 4.0 or 4.2 mm Milling cutter $\varnothing$ 6.0 or 8.0 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle PSK 200/GH ABS For DIN RH elements	RAL 9003	PHIL0041-50201_	1
	RAL 8022	PHIL0041-51201_	1
	EV 1 silver	PHIL0041-52401_	1
	F 4 bronze	PHIL0041-5K601_	1
	F 9 aluminium-steel colours	PHIL0041-5H401_	1
	RAL 9005	PHIL0041-52301_	1
	Si old gold	PHIL0041-5H001_	1

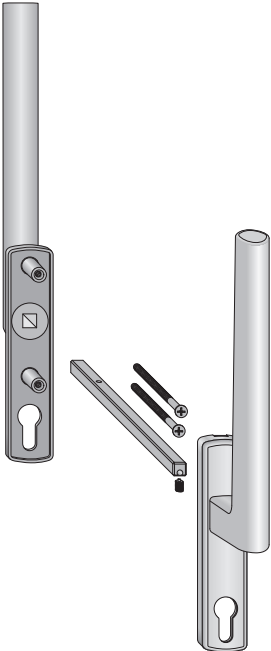
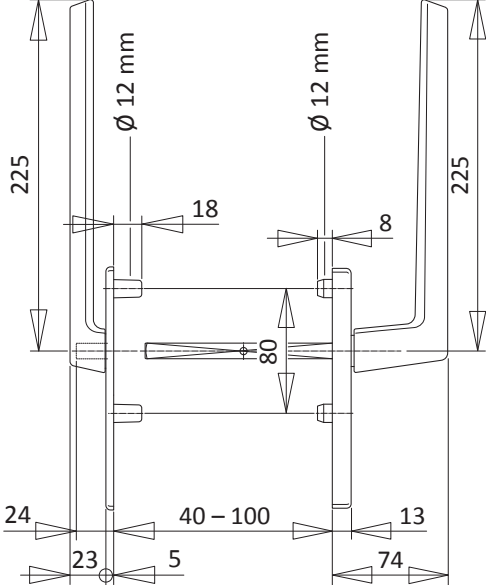
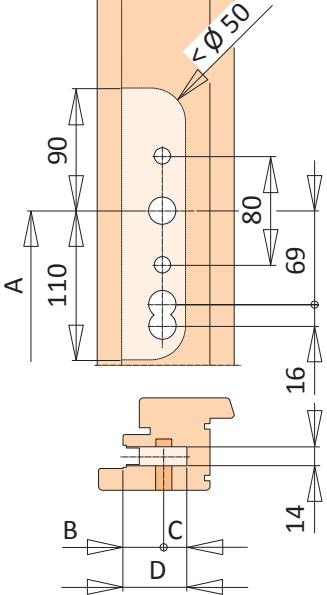
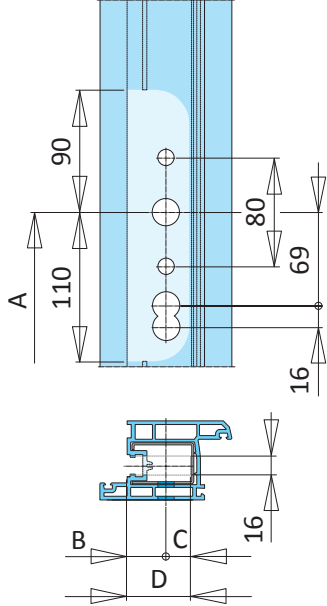
5.5 Handle Si-line handle PSK-Z (HSK inside)

Name	Dimensions
Handle Si-line HSK 250	□ 10 mm square spindle: length 100 mm
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill Ø 12 mm Wood twist drill Ø 20 mm	Drill Ø 12 mm Drill Ø 20 mm with HSS bi-metal hole saw
	

Material description	Colour	Material number	Packaging unit
Carton handle Si-line HSK 250 for elements with gear set	RAL 9001	PMHC0010-50201_	1
	RAL 9003	PMHC0010-50101_	1
	RAL 8022	PMHC0010-51201_	1
	EV 1 silver	PMHC0010-52401_	1
	C33 medium bronze	PMHC0010-53001_	1
	F 9 aluminium-steel colours	PMHC0010-5H401_	1
	RAL 9005	PMHC0010-52301_	1
	Titan matt bright	PMHC0010-53401_	1
Countersunk screw M 5 x 40	2 piece are required	801048	1

The cover cap PZ is required for elements that lock with profile cylinders.

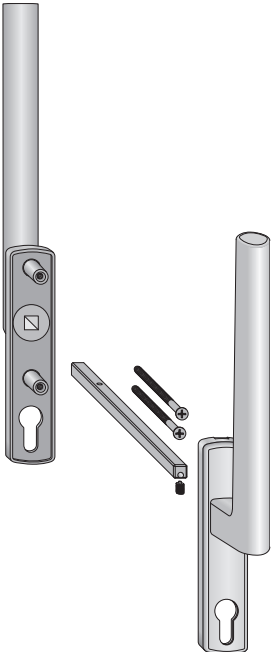
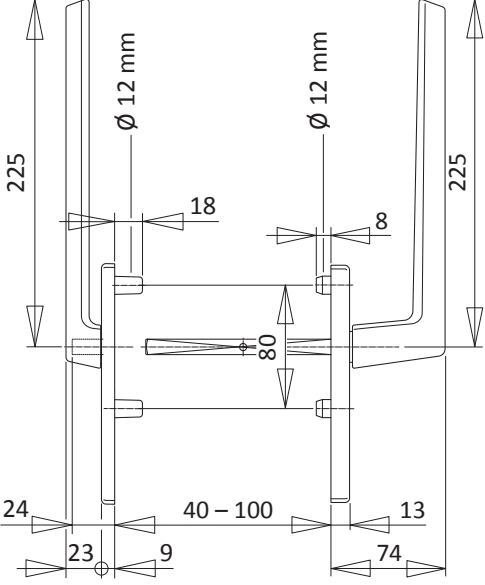
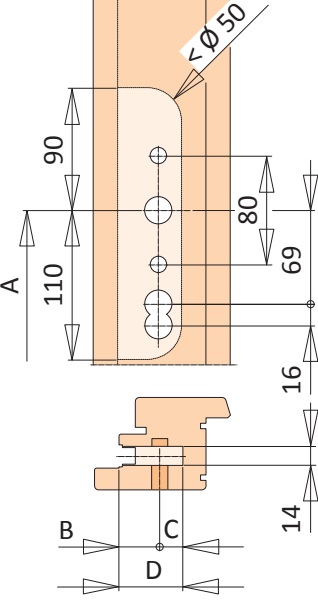
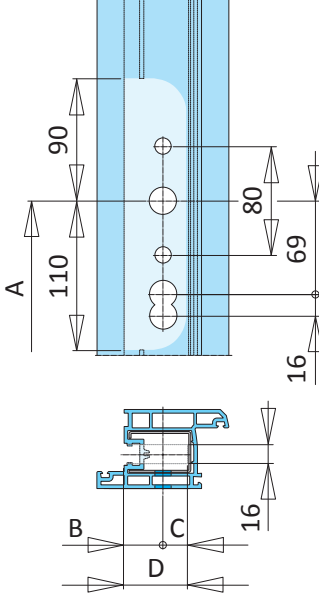
5.6 Handle Si-line handle PSK-Z (HSK can be raised from inside, outside flat)

Name	Dimensions
Handle Si-line HSK 250 - PSK 200 PZ outside flat	□ 10 mm square spindle: length 168 mm
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill Ø 12 mm Wood twist drill Ø 20 mm	Drill Ø 12 mm Drill Ø 20 mm with HSS bi-metal hole saw
	

Material description	Colour	Material number	Packaging unit
Carton handle HSK 250-PSK 200 PZ for inside Only in conjunction with handle PSK 200 PZ outside flat for outside for lockable elements with gear set and profile cylinder inside and outside	RAL 9001	PMHC0020-50201_	1
	RAL 9003	PMHC0020-50101_	1
	RAL 8022	PMHC0020-51201_	1
	EV 1 silver	PMHC0020-52401_	1
	C33 medium bronze	PMHC0020-53001_	1
Carton handle PSK 200 PZ outside flat for outside Only in conjunction with handle HSK 250-PSK 200 PZ for inside for lockable elements with gear set and profile cylinder inside and outside	F 9 aluminium-steel colours	PMHC0020-5H401_	1
	RAL 9005	PMHC0020-52301_	1
	Titan matt bright	PMHC0020-53401_	1
	RAL 9003	PHAL0010-50101_	1
	RAL 8022	PHAL0010-51201_	1
Countersunk screw M 5 x 65	EV 1 silver	PHAL0010-52401_	1
	C33 medium bronze	PHAL0010-53001_	1
	F 9 aluminium-steel colours	PHAL0010-5H401_	1
	Titan matt bright	PHAL0010-53401_	1
	for sash thickness 55 - 64 mm	KDNA0080-100010	1
Countersunk screw M 5 x 75	for sash thickness 65 - 74 mm	KDNA0100-100010	1
Countersunk screw M 5 x 85	for sash thickness 75 - 84 mm	KDNA0120-100010	1

2 countersunk screws M 5 x .. are required

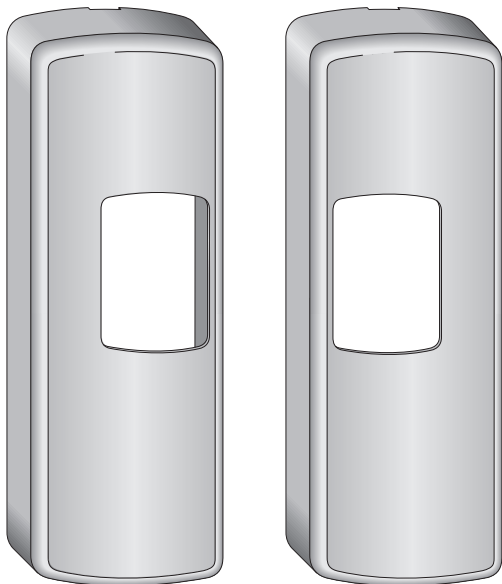
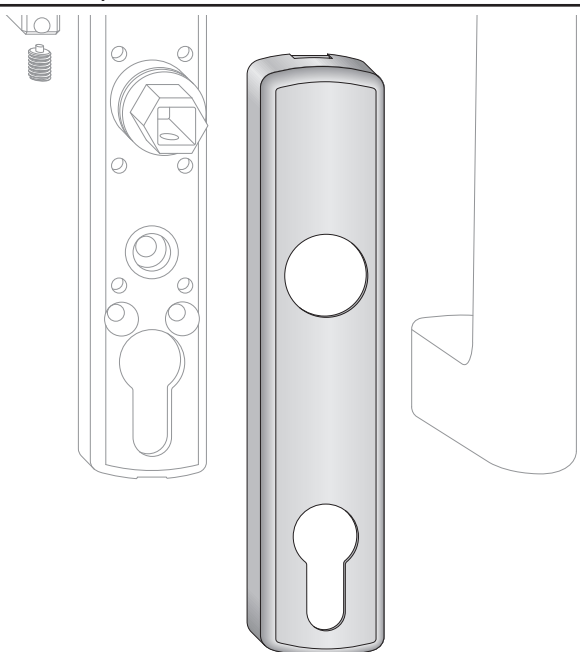
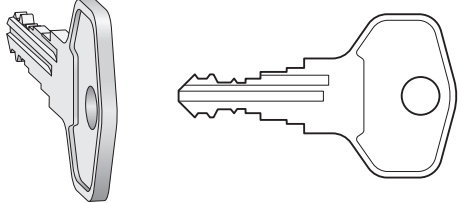
5.7 Handle Si-line handle PSK-Z (HSK can be raised from inside, outside flat A0238)

Name	Dimensions
Handle Si-line HSK 250 - PSK 200 PZ outside flat A 0238	□ 10 mm square spindle: length 168 mm
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm	Drill $\varnothing$ 12 mm Drill $\varnothing$ 20 mm with HSS bi-metal hole saw
	

Material description	Colour	Material number	Packaging unit
Carton handle HSK 250-PSK 200 PZ for inside Only in conjunction with handle PSK 200 PZ outside flat for outside for lockable elements with gear set and profile cylinder inside and outside	RAL 9001	PMHC0020-50201_	1
	RAL 9003	PMHC0020-50101_	1
	RAL 8022	PMHC0020-51201_	1
	EV 1 silver	PMHC0020-52401_	1
	C33 medium bronze	PMHC0020-53001_	1
Carton handle PSK 200 PZ outside flat A0238 for outside Only in conjunction with handle HSK 250-PSK 200 PZ for inside for lockable elements with gear set and profile cylinder inside and outside			
Countersunk screw M 5 x 65	for sash thickness 55 - 64 mm	KDNA0080-100010	1
Countersunk screw M 5 x 75	for sash thickness 65 - 74 mm	KDNA0100-100010	1
Countersunk screw M 5 x 85	for sash thickness 75 - 84 mm	KDNA0120-100010	1

2 countersunk screws M 5 x .. are required

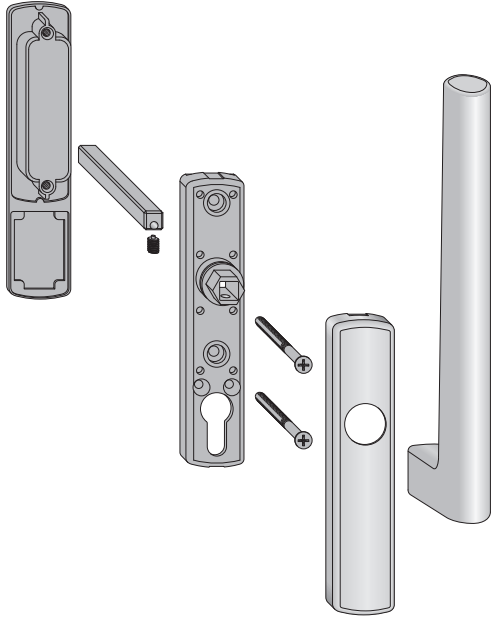
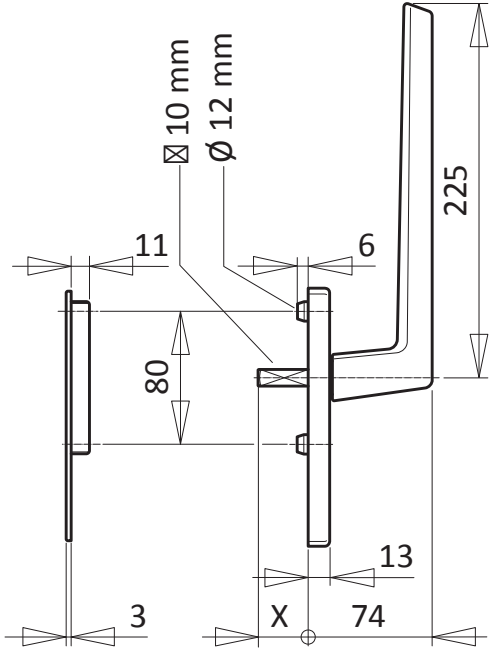
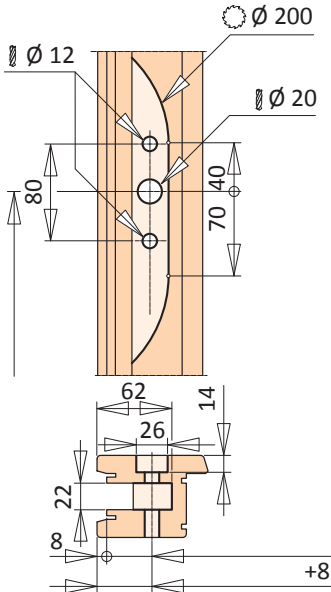
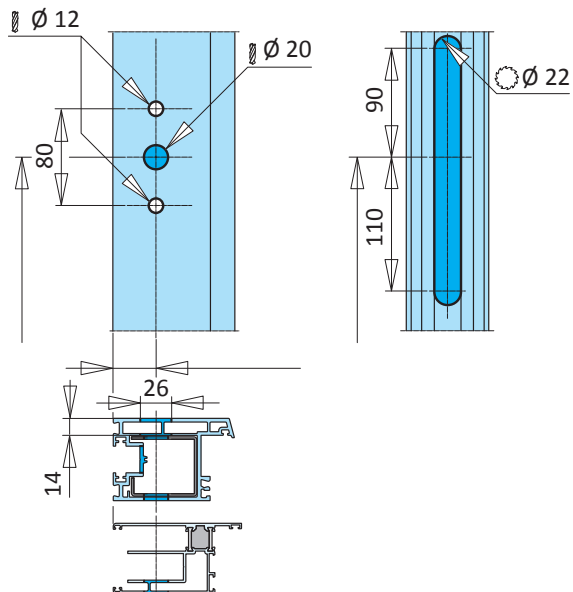
5.8 Accessories for PSK-Z elements

Name	Name
Cover cap for handle PSK 200/GH	Cover cap for handle HSK 250
	
Name	Name
Key 2W 145	Sleeve nut M 5
	

Material description	Colour		Material number	Packaging unit
Cover cap for Handle PSK 200/GH	RAL 9001	right	PKAL0031-50201_	1
		left	PKAL0032-50201_	1
	RAL 9003	right	PKAL0031-50101_	1
		left	PKAL0032-50101_	1
	RAL 8022	right	PKAL0031-51201_	1
		left	PKAL0032-51201_	1
	EV 1 silver	right	PKAL0031-52401_	1
		left	PKAL0032-52401_	1
	EV 2 new silver	right	PKAL0031-52601_	1
		left	PKAL0032-52601_	1
	C33 medium bronze	right	PKAL0031-53001_	1
		left	PKAL0032-53001_	1
	F 9 aluminium-steel colours	right	PKAL0031-5H401_	1
		left	PKAL0032-5H401_	1
	Titan matt bright	right	PKAL0031-53401_	1
		left	PKAL0032-53401_	1
Cover cap for handle HSK 250	RAL 1013		PKHB0040-50501_	1
	RAL 8019		PKHB0040-51101_	1
	RAL 8022		PKHB0040-51201_	1
	RAL 9001		PKHB0040-50101_	1
	RAL 9003		PKHB0040-50201_	1
	RAL 9005		PKHB0040-52301_	1
	RAL 9010		PKHB0040-50301_	1
	RAL 9016		PKHB0040-50401_	1
	EV 1 silver		PKHB0040-52401_	1
	EV 2 new silver		PKHB0040-52601_	1
	C33 medium bronze		PKHB0040-53001_	1
	F 9 aluminium-steel colours		PKHB0040-5H401_	1
	Titan matt bright		PKHB0040-53401_	1
	Si-old gold		PKHB0040-5H001_	1
	matt silver		PKHB0040-5G001_	1
Key 2W 145	For Si-line handles that are lockable in the grip		892510	1
Sleeve nut M 5	For handle Si-line HS K PORTAL 250		800287	1

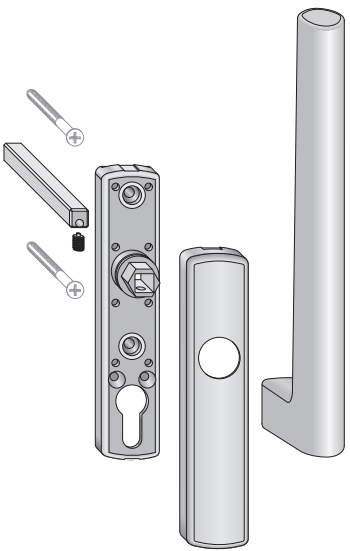
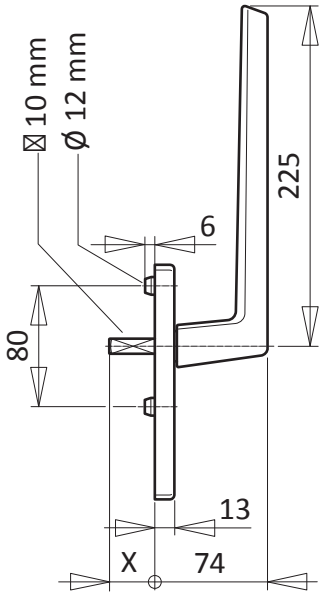
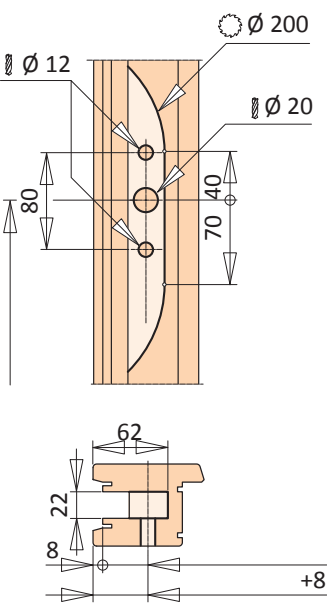
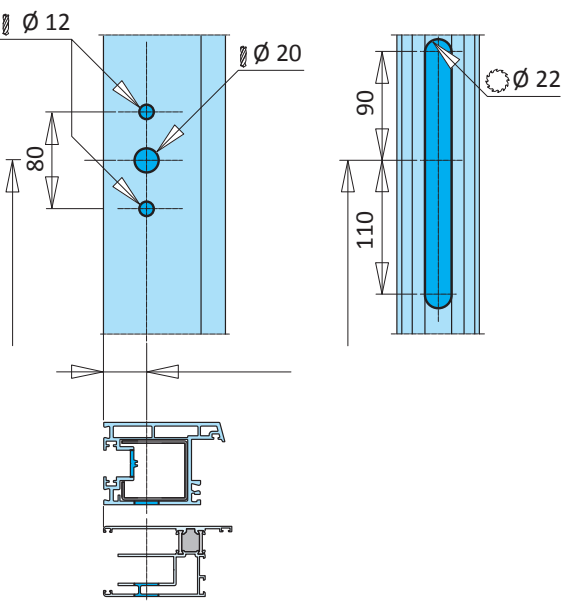
6 Handle for PORTAL lift & slide sashes

6.1 Handle HS

Name	Dimensions
Handle Si-line HS 300	□ 10 mm square spindle: length: X
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

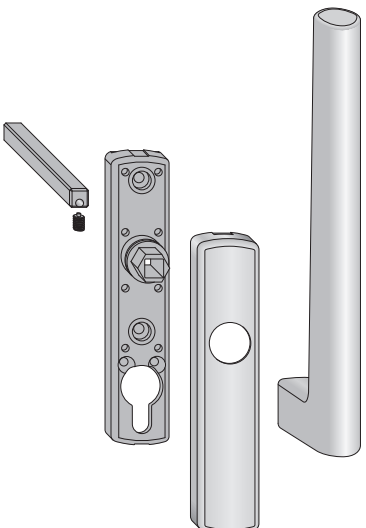
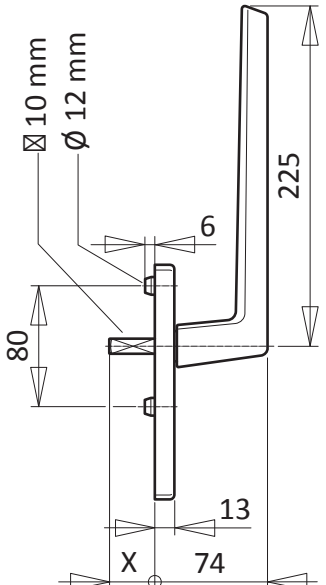
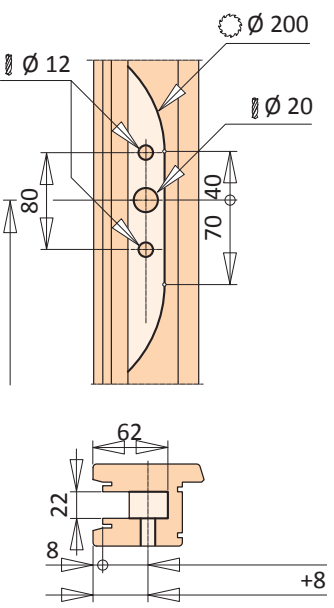
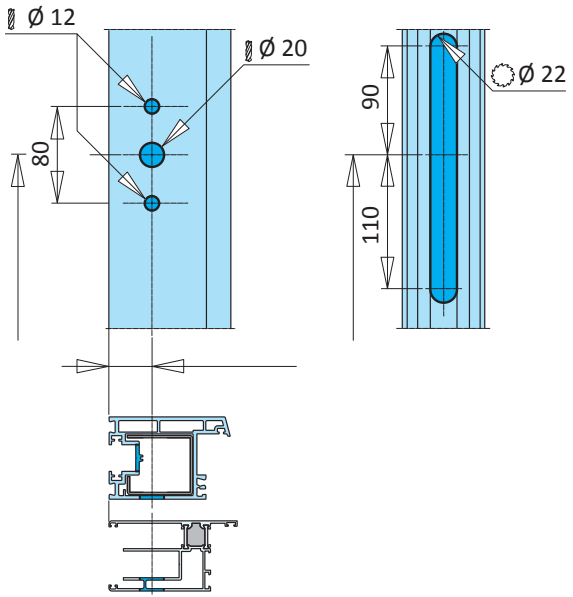
Material description	Colour	Material number	Packaging unit
Carton handle Si-line HS 300 (with sliding grip Si-line long)	RAL 9001	PMHB0010-50101_	1
	RAL 9003	PMHB0010-50201_	1
	RAL 9010	PMHB0010-50301_	1
	RAL 9016	PMHB0010-50401_	1
	RAL 1013	PMHB0010-50501_	1
	antique white	PMHB0010-50701_	1
	RAL8019	PMHB0010-51101_	
	RAL 8022	PMHB0010-51201_	1
	EV 1 silver	PMHB0010-52401_	1
	EV 2 new silver	PMHB0010-52601_	1
	F 9 aluminium-steel colours	PMHB0010-5H401_	1
	F 4 bronze	PMHB0010-5K601_	1
	RAL 9005	PMHB0010-52301_	1
	Surface uncoated (mill finish)	PMHB0010-50001_	1

6.2 Handle HS A0236

Name	Dimensions
Handle Si-line HS 300 A0236	□ 10 mm square spindle: length: X
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

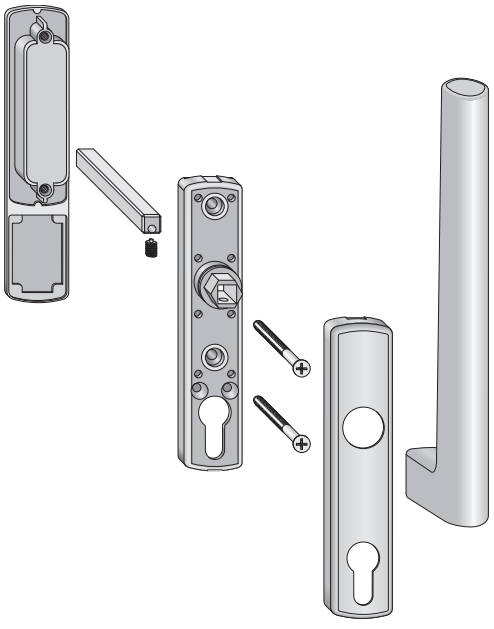
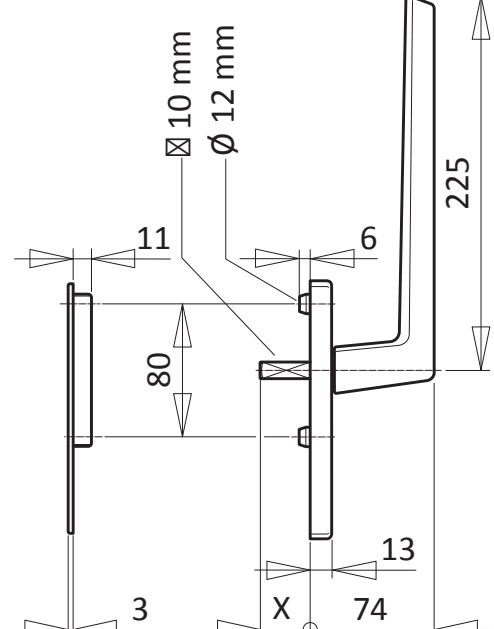
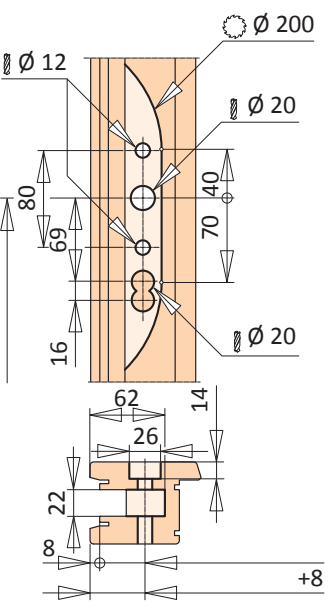
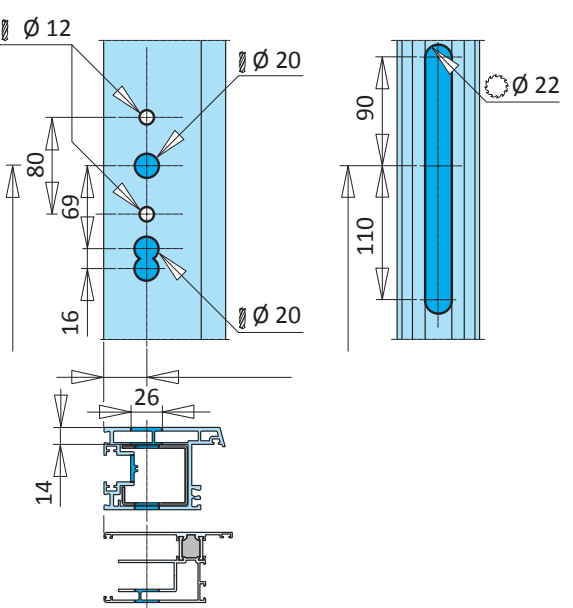
Material description	Colour	Material number	Packaging unit
Carton handle Si-line HS 300 A0236 (without sliding grip Si-line long)	RAL 9001	PMHB0030-50101_	1
	RAL 9003	PMHB0030-50201_	1
	RAL 9010	PMHB0030-50301_	1
	RAL 9016	PMHB0030-50401_	1
	RAL 1013	PMHB0030-50501_	1
	antique white	PMHB0030-50701_	1
	RAL8019	PMHB0030-51101_	
	RAL 8022	PMHB0030-51201_	1
	EV 1 silver	PMHB0030-52401_	1
	EV 2 new silver	PMHB0030-52601_	1
	F 9 aluminium-steel colours	PMHB0030-5H401_	1
	F 4 bronze	PMHB0030-5K601_	1
	RAL 9005	PMHB0030-52301_	1
	Surface uncoated (mill finish)	PMHB0030-50001_	1

6.3 Handle HS RZ inside

Name	Dimensions
Handle Si-line HS 300 A0089	□ 10 mm square spindle: length: X
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

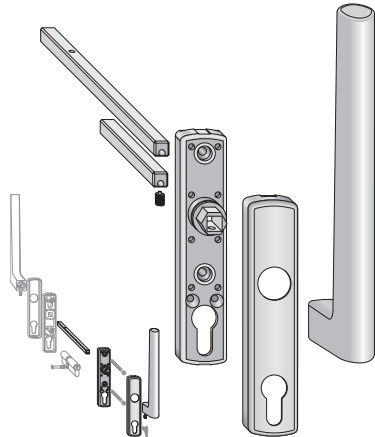
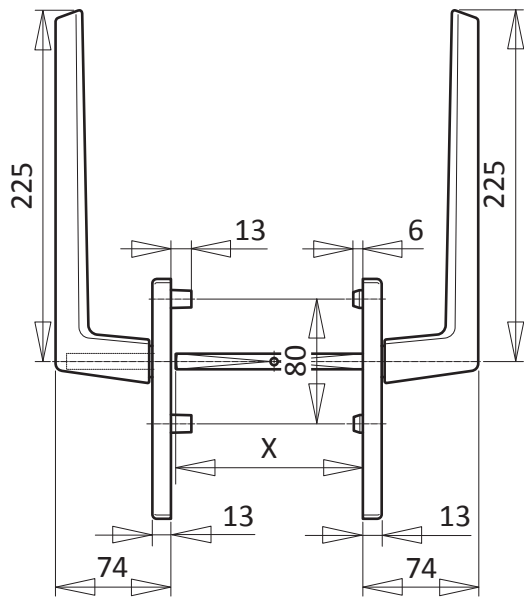
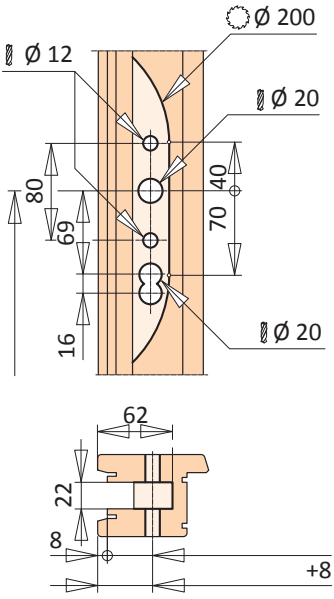
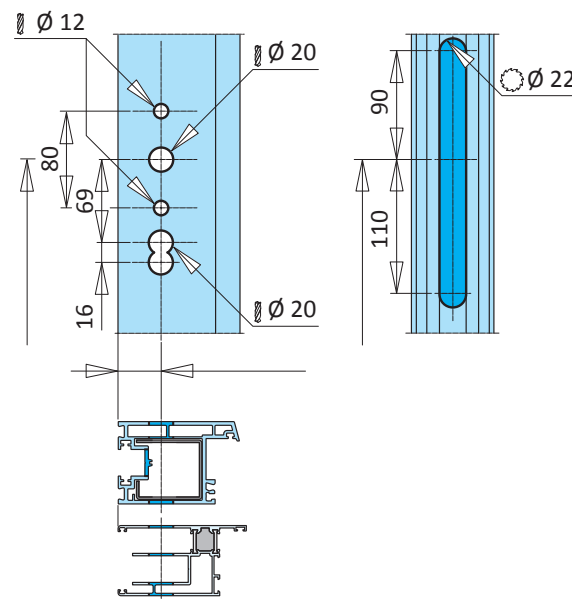
Material description	Colour	Material number	Packaging unit
Carton handle Si-line HS 300 (with sliding grip Si-line long) retrofittable with round cylinder Ø 24 mm (e. g: „Swiss round cylinder, dimensions between centre line and radius of cam according to VSSB 20200, line 3“)	RAL 9003	PMHB0110-50201_	1
	EV 1 silver	PMHB0110-52401_	1
	F 9 aluminium-steel colours	PMHB0110-5H401_	1
	RAL 9005	PMHB0110-52301_	1
	Surface uncoated (mill finish)	PMHB0110-50001_	1

6.4 Handle HS PZ with sliding grip

Name	Dimensions
Handle Si-line HS 300 PZ 	□ 10 mm square spindle: length: X 
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Si-line HS 300 PZ (with sliding grip Si-line long) for lockable elements - with profile half cylinder inside	RAL 9001	PMHB0020-50101_	1
	RAL 9003	PMHB0020-50201_	1
	RAL 9010	PMHB0020-50301_	1
	RAL 9016	PMHB0020-50401_	1
	RAL 1013	PMHB0020-50501_	1
	antique white	PMHB0020-50701_	1
	RAL8019	PMHB0020-51101_	1
	RAL 8022	PMHB0020-51201_	1
	EV 1 silver	PMHB0020-52401_	1
	EV 2 new silver	PMHB0020-52601_	1
	F 9 aluminium-steel colours	PMHB0020-5H401_	1
	F 4 bronze	PMHB0020-5K601_	1
	RAL 9005	PMHB0020-52301_	1
	Surface uncoated (mill finish)	PMHB0020-50001_	1
	RAL 8017	PMHB0020-5F301_	1
	ESLG brush stainless-steel finish	PMHB0020-80001_	1
	Special colour	PMHB0020-5V001_	1

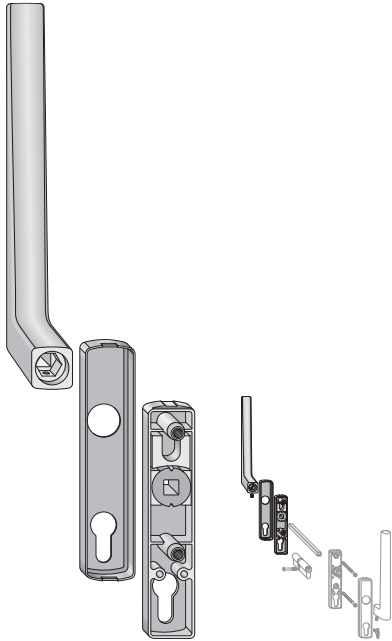
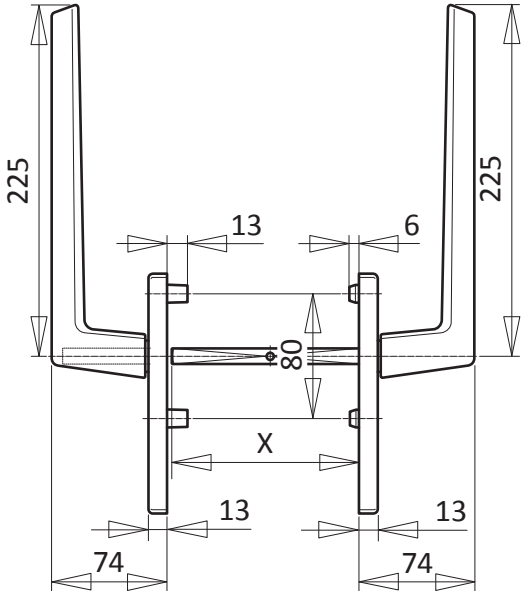
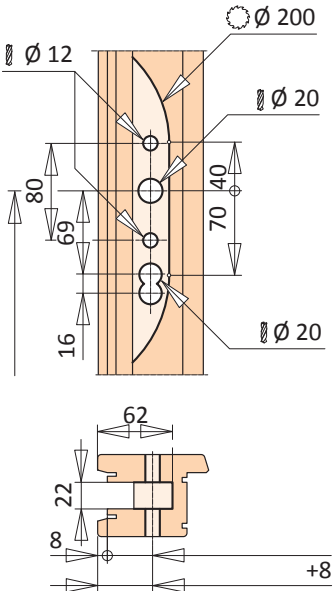
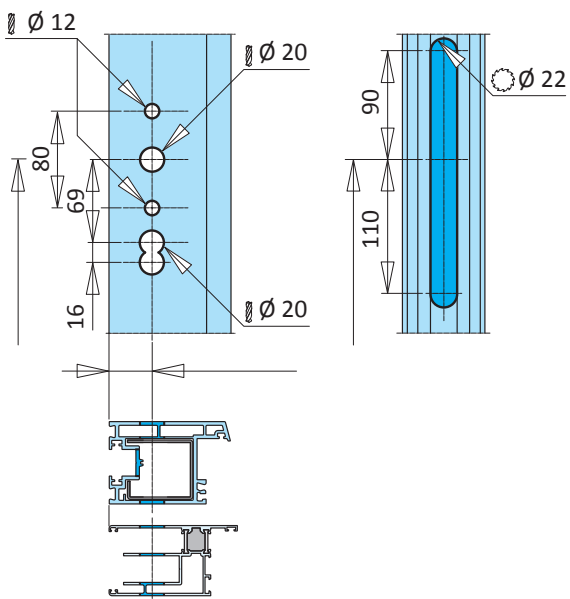
6.5 Handle HS PZ inside

Name	Dimensions
Handle Si-line HS 300 PZ inside and outside	□ 10 mm square spindle: length: X
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Si-line HS 300 PZ, inside Only in conjunction with handle Si-line HS 300 PZ outside For lockable elements with profile cylinders inside and outside	RAL 9001	PMHB0050-50101_	1
	RAL 9003	PMHB0050-50201_	1
	RAL 9010	PMHB0050-50301_	1
	RAL 9016	PMHB0050-50401_	1
	RAL 1013	PMHB0050-50501_	1
	antique white	PMHB0050-50701_	1
	RAL8019	PMHB0050-51101_	1
	RAL 8022	PMHB0050-51201_	1
	EV 1 silver	PMHB0050-52401_	1
	EV 2 new silver	PMHB0050-52601_	1
	F 9 aluminium-steel colours	PMHB0050-5H401_	1
	F 4 bronze	PMHB0050-5K601_	1
	RAL 9005	PMHB0050-52301_	1
	Surface uncoated (mill finish)	PMHB0050-50001_	1
	RAL 8017	PMHB0050-5F301_	1
	ESLG brush stainless-steel finish	PMHB0050-80001_	1
	Special colour	PMHB0050-5V001_	1

Countersunk screws M 5x .., profile cylinder and keys are not included in scope of delivery

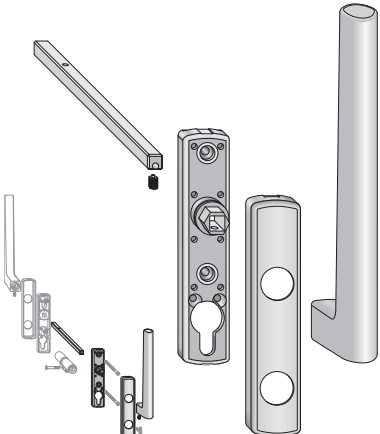
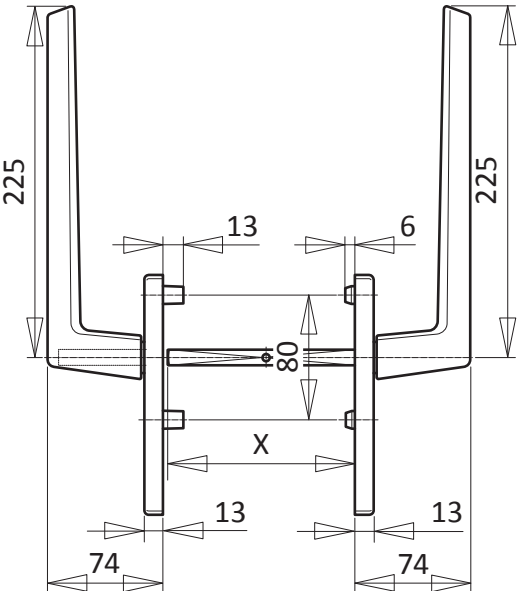
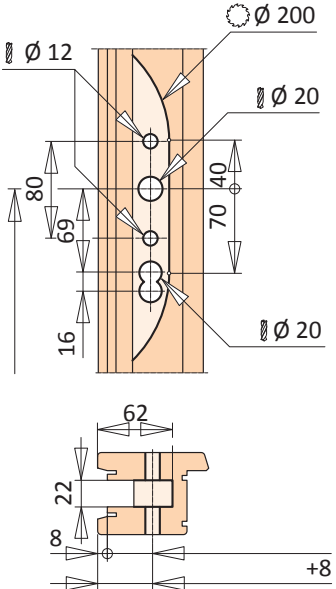
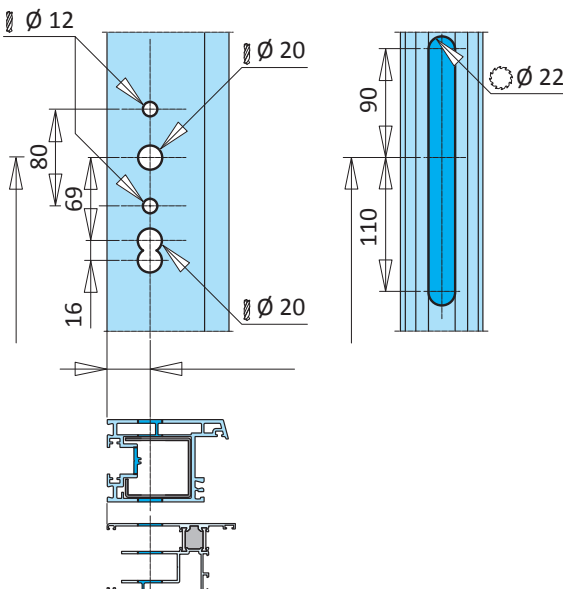
6.6 Handle HS PZ inside and outside

Name	Dimensions
Handle Si-line HS 300 PZ outside	□ 10 mm square spindle: length: X
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Si-line HS 300 PZ, outside Only in conjunction with handle Si-line HS 300 PZ inside For lockable elements with profile cylinders inside and outside	RAL 9001	PMHB0040-50101_	1
	RAL 9003	PMHB0040-50201_	1
	RAL 9010	PMHB0040-50301_	1
	RAL 9016	PMHB0040-50401_	1
	RAL 1013	PMHB0040-50501_	1
	antique white	PMHB0040-50701_	1
	RAL8019	PMHB0040-51101_	
	RAL 8022	PMHB0040-51201_	1
	EV 1 silver	PMHB0040-52401_	1
	EV 2 new silver	PMHB0040-52601_	1
	F 9 aluminium-steel colours	PMHB0040-5H401_	1
	F 4 bronze	PMHB0040-5K601_	1
	RAL 9005	PMHB0040-52301_	1
	Surface uncoated (mill finish)	PMHB0040-50001_	1

Countersunk screws M 5x .., profile cylinder and keys are not included in scope of delivery

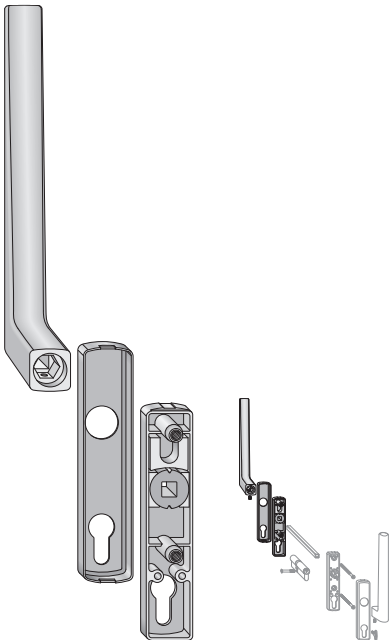
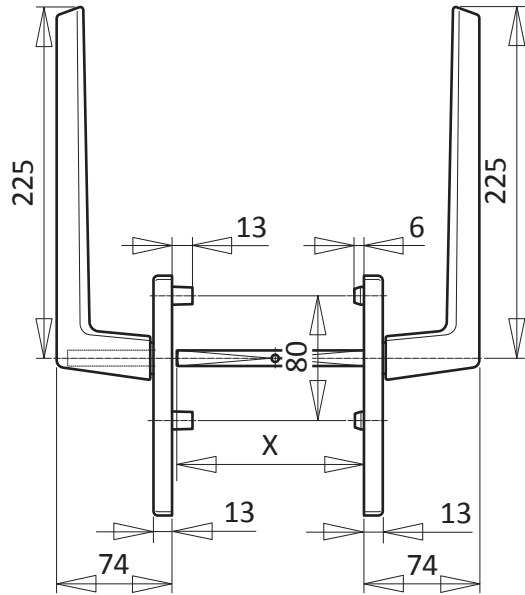
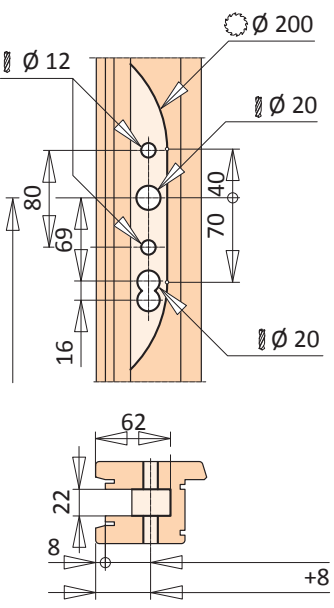
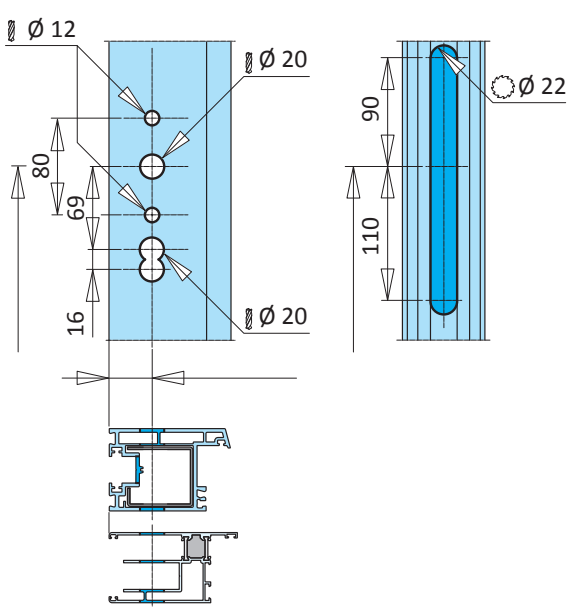
6.7 Handle HS RZ inside and outside

Name	Dimensions
Handle Si-line HS 300 RZ inside	□ 10 mm square spindle: length: X
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Si-line HS 300 RZ inside Only in conjunction with handle Si-line HS 300 RZ outside For lockable elements with profile cylinders inside and outside	RAL 9001	PMHB0130-50101_	1
	RAL 9003	PMHB0130-50201_	1
	RAL 9010	PMHB0130-50301_	1
	RAL 9016	PMHB0130-50401_	1
	RAL 1013	PMHB0130-50501_	1
	antique white	PMHB0130-50701_	1
	RAL8019	PMHB0130-51101_	1
	RAL 8022	PMHB0130-51201_	1
	EV 1 silver	PMHB0130-52401_	1
	EV 2 new silver	PMHB0130-52601_	1
	F 9 aluminium-steel colours	PMHB0130-5H401_	1
	F 4 bronze	PMHB0130-5K601_	1
	RAL 9005	PMHB0130-52301_	1
	Surface uncoated (mill finish)	PMHB0130-50001_	1
	RAL 8017	PMHB0130-5F301_	1
	ESLG brush stainless-steel finish	PMHB0130-80001_	1
	Special colour	PMHB0130-5V001_	1

Countersunk screws M 5x .., profile cylinder and keys are not included in scope of delivery

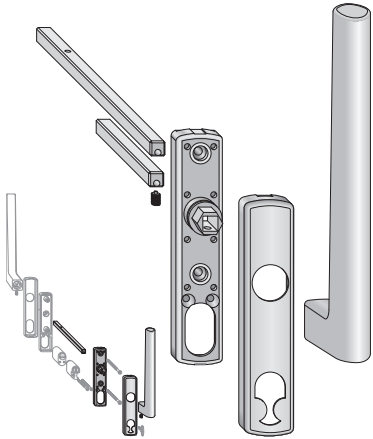
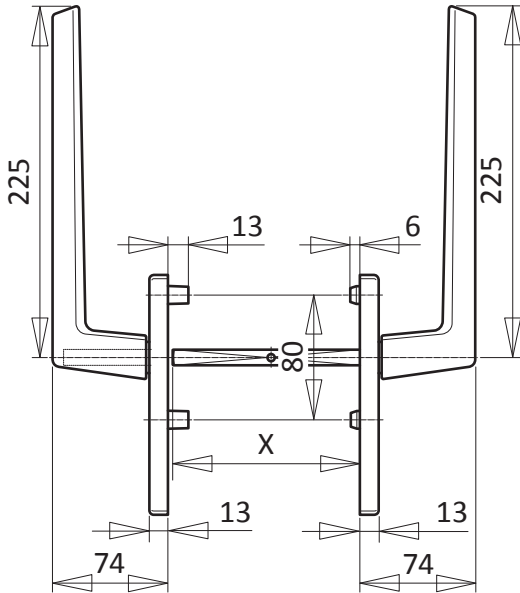
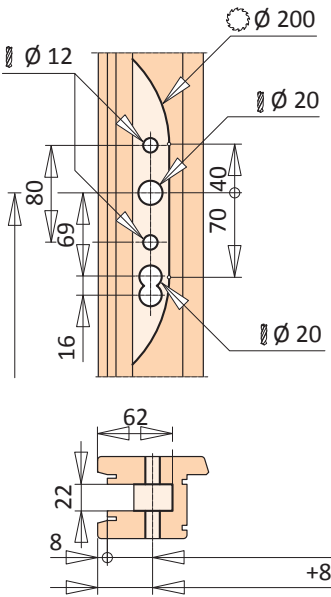
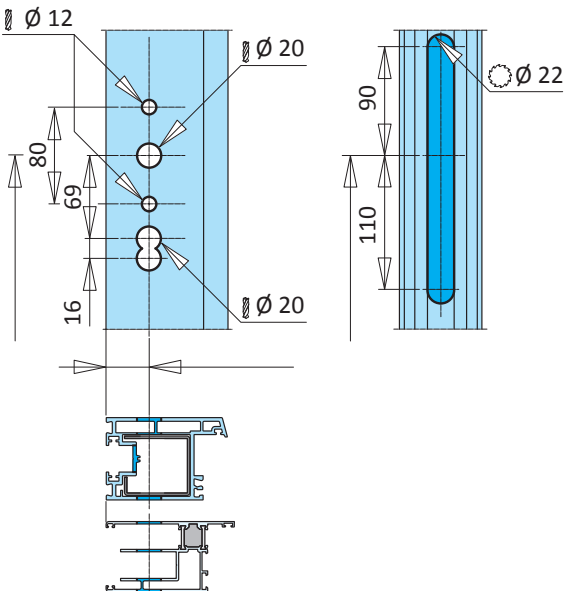
6.8 Handle HS RZ inside and outside

Name	Dimensions
Handle Si-line HS 300 RZ outside	□ 10 mm square spindle: length: X
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Si-line HS 300 RZ outside Only in conjunction with handle Si-line HS 300 RZ inside For lockable elements with profile cylinders inside and outside	RAL 9001	PMHB0120-50101_	1
	RAL 9003	PMHB0120-50201_	1
	RAL 9010	PMHB0120-50301_	1
	RAL 9016	PMHB0120-50401_	1
	RAL 1013	PMHB0120-50501_	1
	antique white	PMHB0120-50701_	1
	RAL8019	PMHB0120-51101_	
	RAL 8022	PMHB0120-51201_	1
	EV 1 silver	PMHB0120-52401_	1
	EV 2 new silver	PMHB0120-52601_	1
	F 9 aluminium-steel colours	PMHB0120-5H401_	1
	F 4 bronze	PMHB0120-5K601_	1
	RAL 9005	PMHB0120-52301_	1
	Surface uncoated (mill finish)	PMHB0120-50001_	1

Countersunk screws M 5x .., profile cylinder and keys are not included in scope of delivery

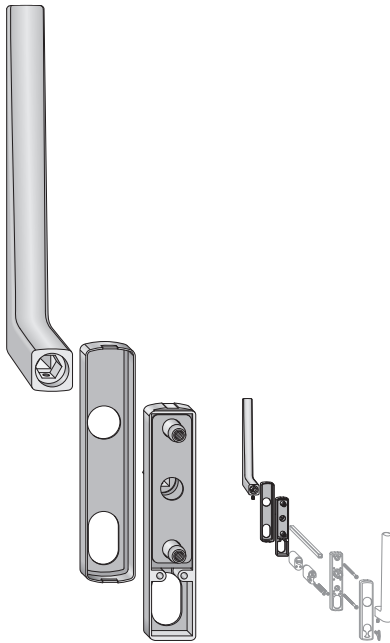
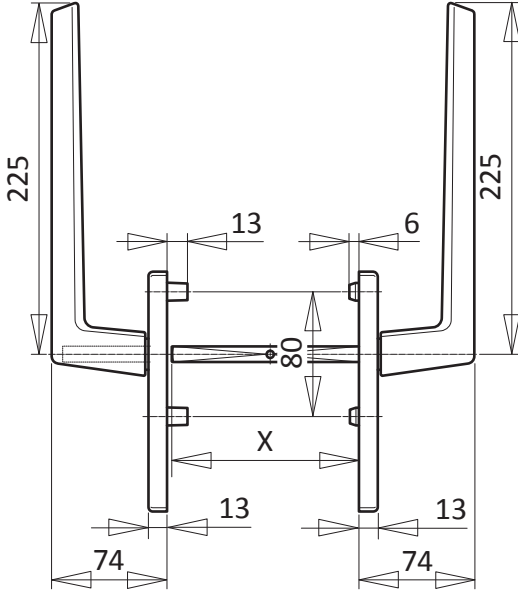
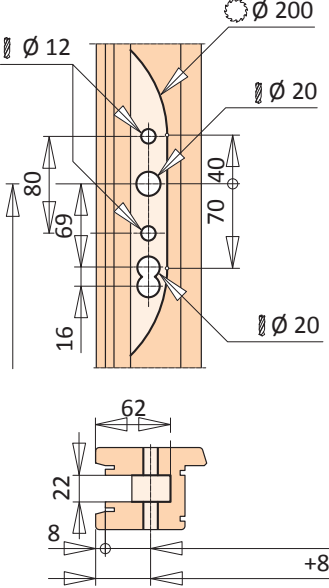
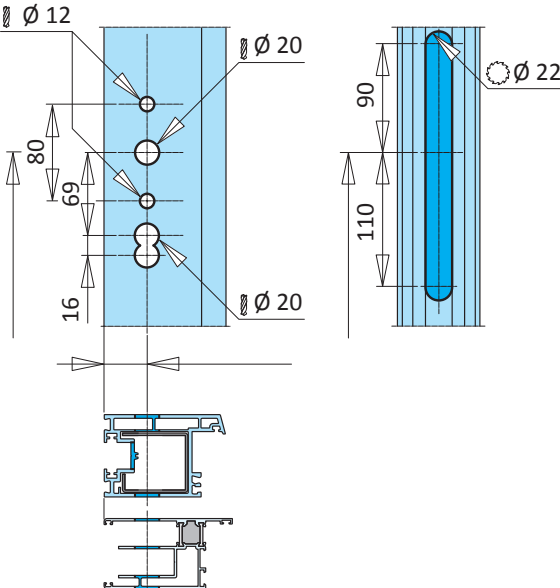
6.9 Handle HS OZ inside and outside

Name	Dimensions
Handle Si-line HS 300 OZ inside	□ 10 mm square spindle: length: X
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Si-line HS 300 OZ inside Only in conjunction with handle Si-line HS 300 OZ outside For lockable elements with profile cylinders inside and outside	RAL 9001	PMHB0330-50101_	1
	RAL 9003	PMHB0330-50201_	1
	RAL 9010	PMHB0330-50301_	1
	RAL 9016	PMHB0330-50401_	1
	RAL 1013	PMHB0330-50501_	1
	antique white	PMHB0330-50701_	1
	RAL8019	PMHB0330-51101_	1
	RAL 8022	PMHB0330-51201_	1
	EV 1 silver	PMHB0330-52401_	1
	EV 2 new silver	PMHB0330-52601_	1
	F 9 aluminium-steel colours	PMHB0330-5H401_	1
	F 4 bronze	PMHB0330-5K601_	1
	RAL 9005	PMHB0330-52301_	1
	Surface uncoated (mill finish)	PMHB0330-50001_	1
	RAL 8017	PMHB0330-5F301_	1
	ESLG brush stainless-steel finish	PMHB0330-80001_	1
	Special colour	PMHB0330-5V001_	1

Countersunk screws M 5x .., profile cylinder and keys are not included in scope of delivery

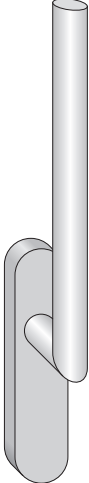
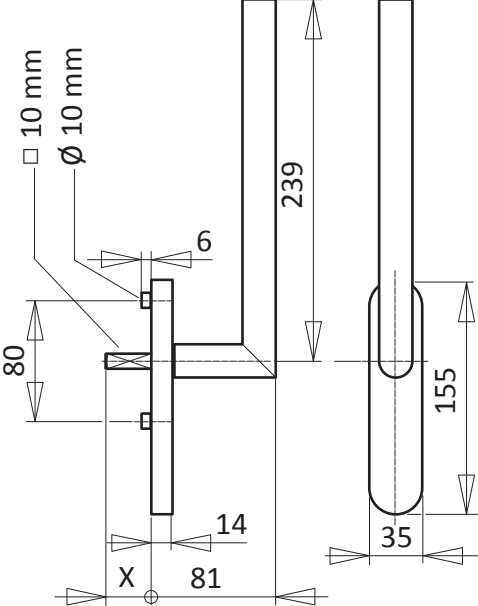
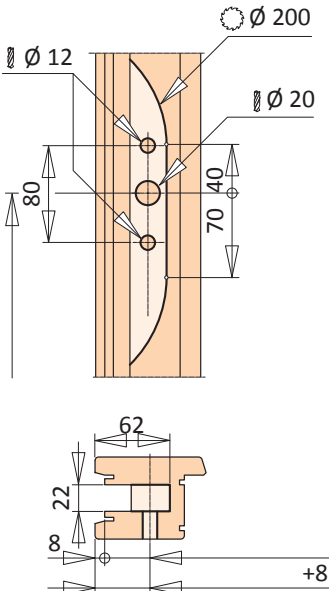
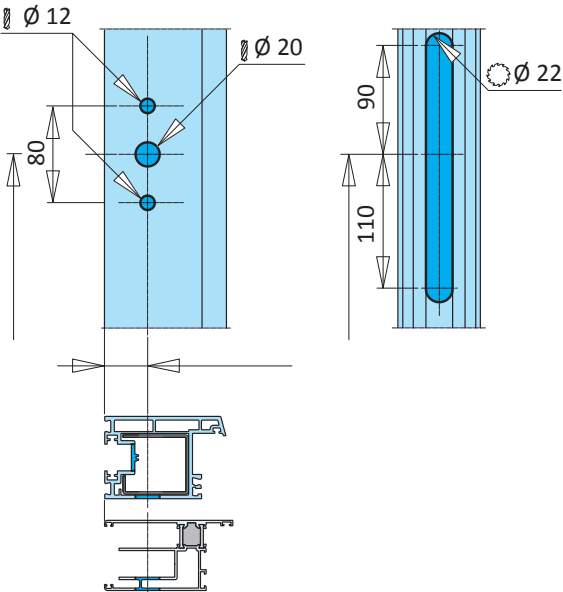
6.10 Handle HS OZ inside and outside

Name	Dimensions
Handle Si-line HS 300 OZ outside	□ 10 mm square spindle: length: X
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Si-line HS 300 OZ outside Only in conjunction with handle Si-line HS 300 OZ inside For lockable elements with profile cylinders inside and outside	RAL 9001	PMHB0320-50101_	1
	RAL 9003	PMHB0320-50201_	1
	RAL 9010	PMHB0320-50301_	1
	RAL 9016	PMHB0320-50401_	1
	RAL 1013	PMHB0320-50501_	1
	antique white	PMHB0320-50701_	1
	RAL8019	PMHB0320-51101_	
	RAL 8022	PMHB0320-51201_	1
	EV 1 silver	PMHB0320-52401_	1
	EV 2 new silver	PMHB0320-52601_	1
	F 9 aluminium-steel colours	PMHB0320-5H401_	1
	F 4 bronze	PMHB0320-5K601_	1
	RAL 9005	PMHB0320-52301_	1
	Surface uncoated (mill finish)	PMHB0320-50001_	1

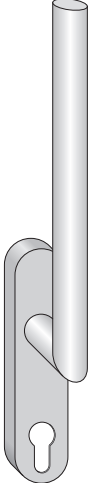
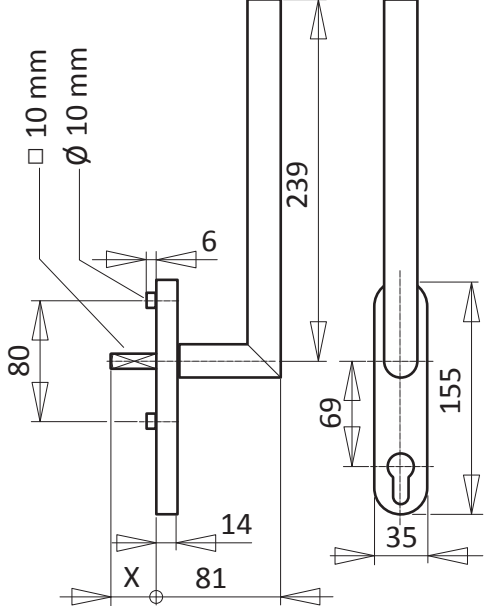
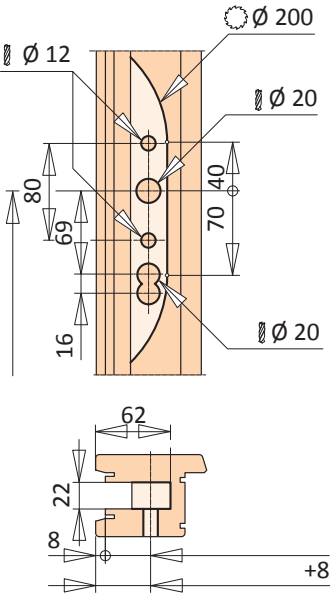
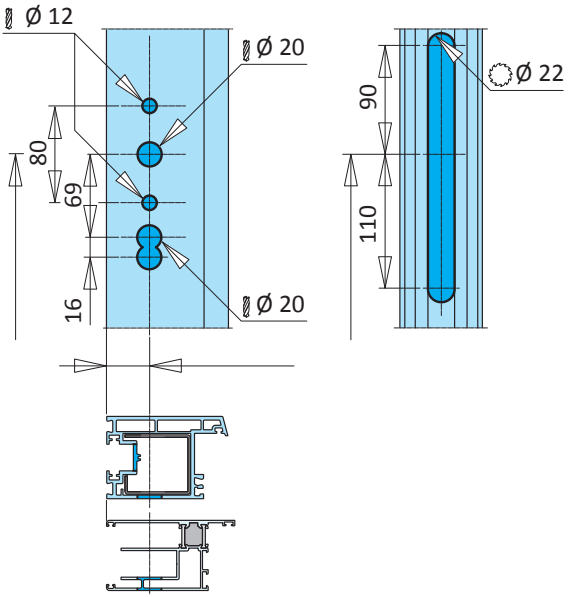
Countersunk screws M 5x .., profile cylinder and keys are not included in scope of delivery

6.11 Handle HS stainless steel

Name	Dimensions
Handle Si-line HS 300 stainless steel	□ 10 mm square spindle: length: X  
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Si-line HS 300 stainless steel (without sliding grip)	Stainless steel	PMHB0720-00001_	1

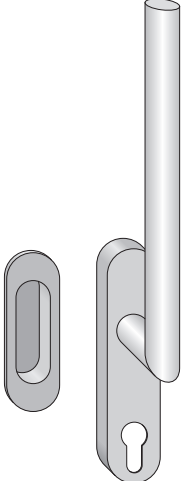
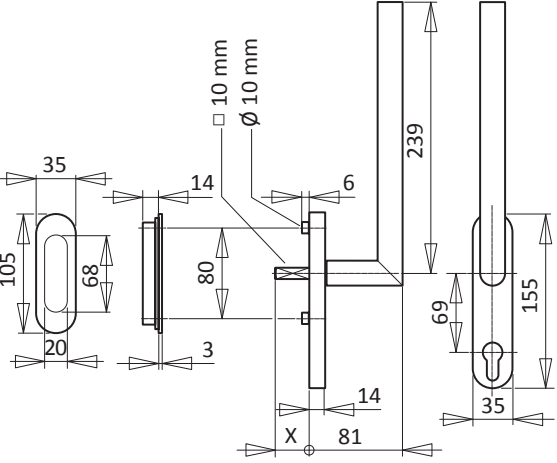
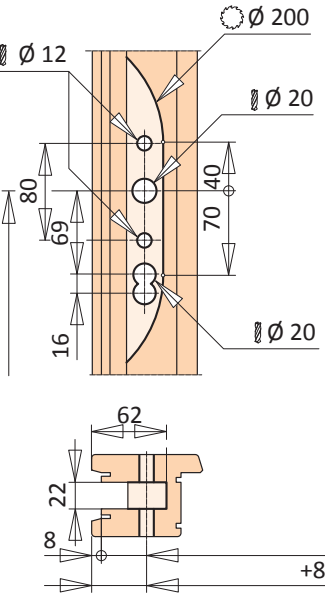
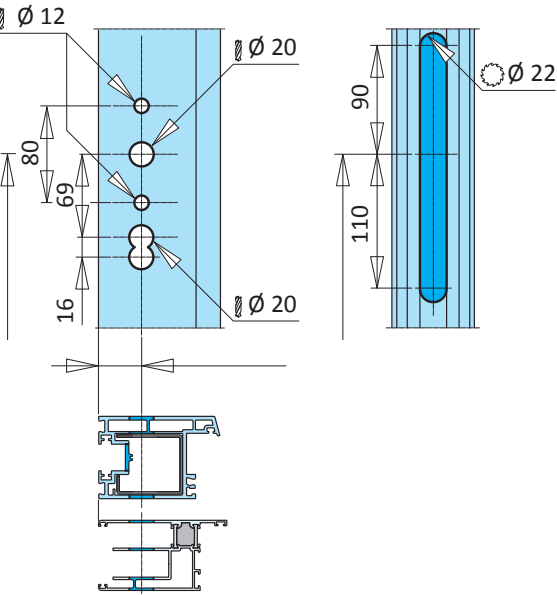
6.12 Handle HS PZ stainless steel

Name	Dimensions
Handle Si-line HS 300 PZ stainless steel	□ 10 mm square spindle: length: X
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Si-line HS 300 PZ stainless steel (without sliding grip)	Stainless steel	PMHB0730-00001_	1

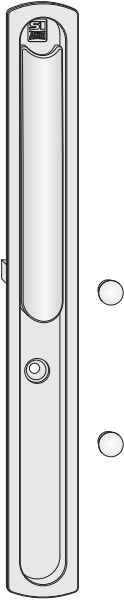
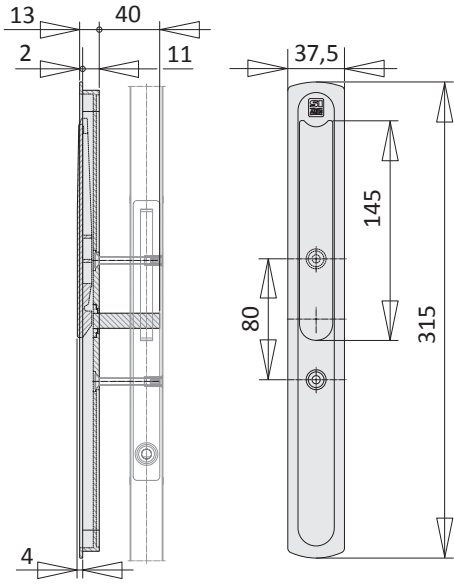
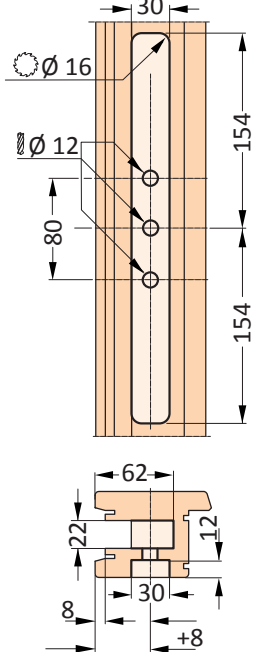
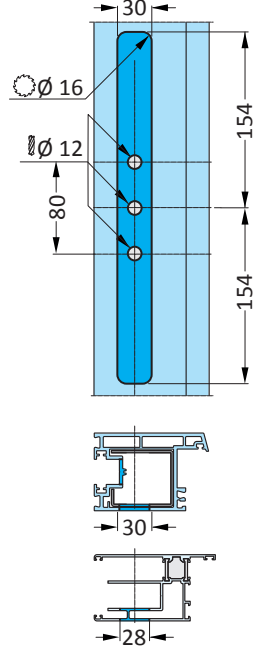
Material description	Colour	Material number	Packaging unit
Carton handle Si-line HS 300 stainless steel (with sliding grip)	Stainless steel	PMHB0700-00001_	1

6.14 Handle HS PZ stainless steel with sliding grip

Name	Dimensions
Handle Si-line HS 300 PZ stainless steel with sliding grip 	□ 10 mm square spindle: length: X 
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm 	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm 

Material description	Colour	Material number	Packaging unit
Carton handle Si-line HS 300 PZ stainless steel (with sliding grip)	Stainless steel	PMHB0710-00001_	1

6.15 Handle HS handle 40

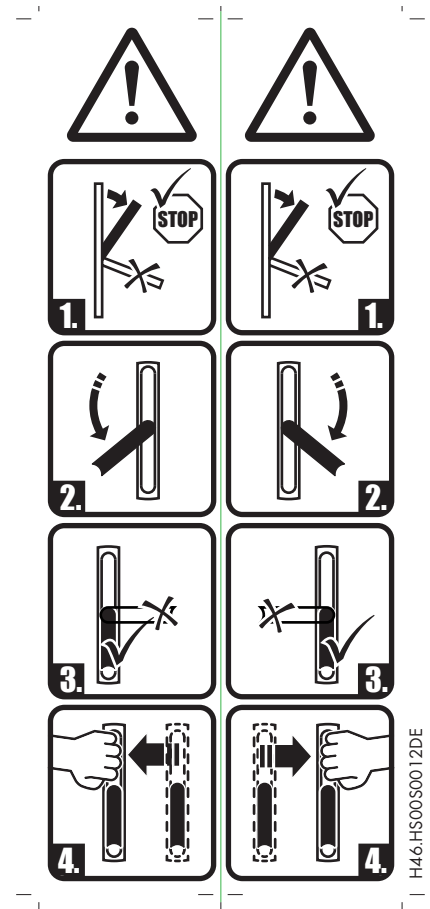
Name	Dimensions
Handle HS 300 handle	□ 10 mm square spindle: length 40 mm
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle HS 300	RAL 9003	PHIB0050-00201_	1
	EV 1 silver Si-silver	PHIB0050-02501_	1
	RAL 8022	PHIB0050-01201_	1
	RAL 9005	PHIB0050-02301_	1
	RAL 9016	PHIB0050-00401_	1
	Si-middle bronze	PHIB0050-03101_	1

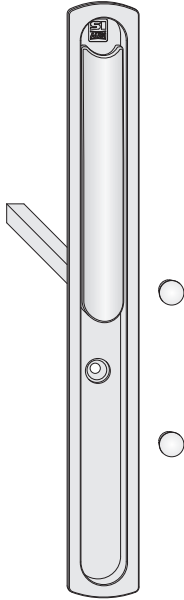
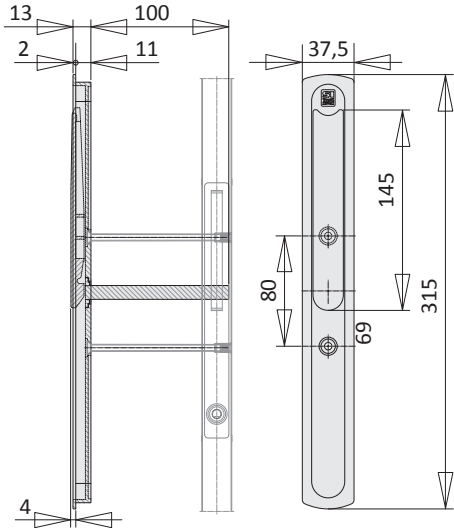
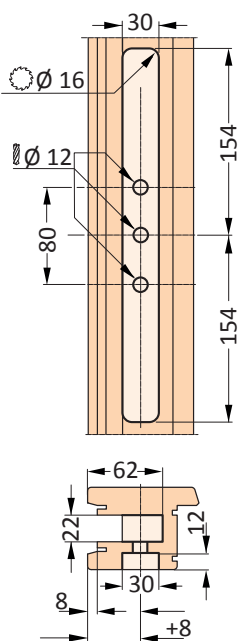
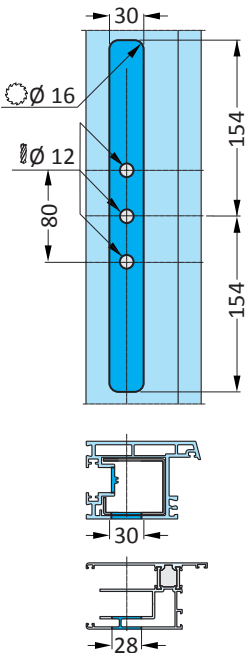
Please attach the packed operating stickers to the lift and slide element.

And instruct the end user to observe the operating sticker!

- Use of the handle HS 300 for PORTAL HS 300 standard gear up to max. 150 kg sash weight
- Use of the handle HS 300 for PORTAL HS 300 comfort gear from 150 kg up to max. 250 kg sash weight
- In the 90° position, for example, the handle may not be used to slide the lift & slide sash.
- Grasp into the sliding grip of the HS 300 handle to slide the lift & slide sash.



6.16 Handle HS handle 100

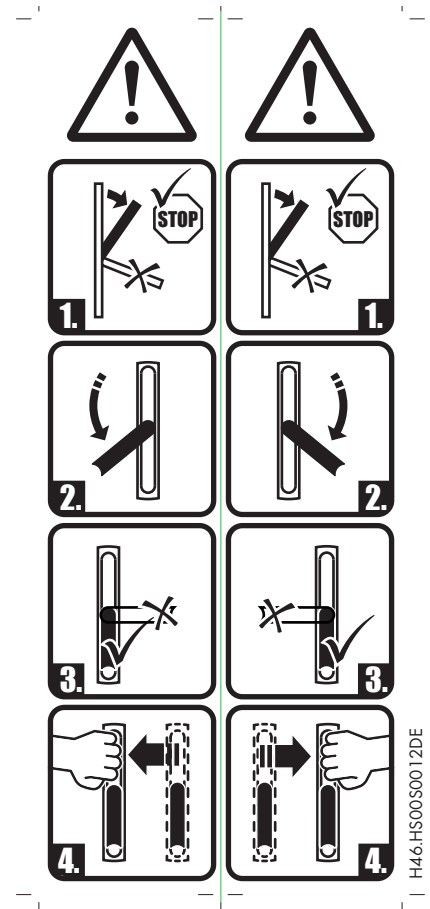
Name	Dimensions
Handle HS 300 VK 100 handle	□ 10 mm square spindle: length 100 mm
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle HS 300 VK 100	RAL 9003	PHIB0090-00201_	1
	Si-silver	PHIB0090-02501_	1
	RAL 8022	PHIB0090-01201_	1
	RAL 9005	PHIB0090-02301_	1

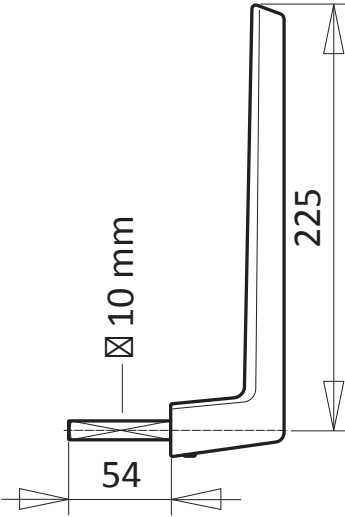
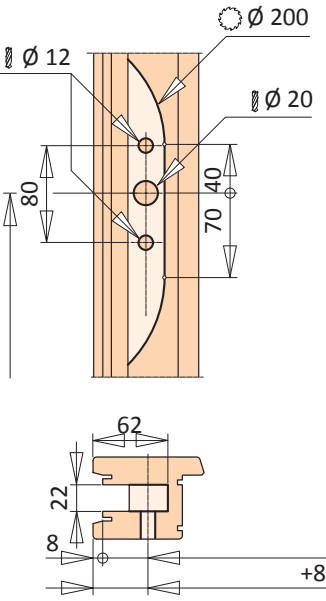
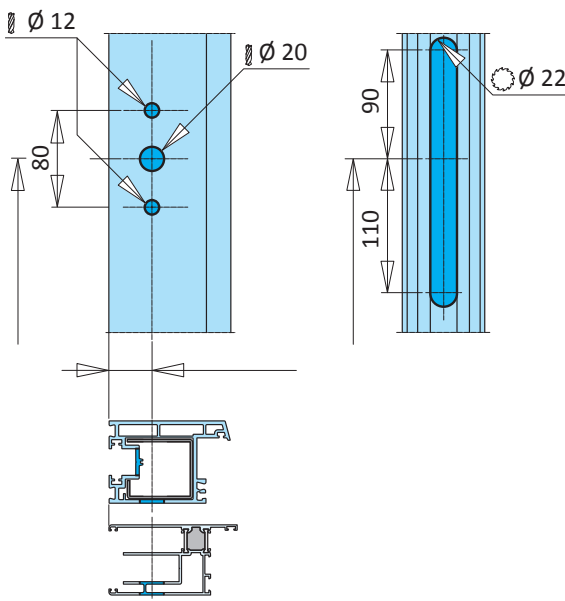
Please attach the packed operating stickers to the lift and slide element.

And instruct the end user to observe the operating sticker!

- Use of the handle HS 300 for PORTAL HS 300 standard gear up to max. 150 kg sash weight
- Use of the handle HS 300 for PORTAL HS 300 comfort gear from 150 kg up to max. 250 kg sash weight
- In the 90° position, for example, the handle may not be used to slide the lift & slide sash.
- Grasp into the sliding grip of the HS 300 handle to slide the lift & slide sash.

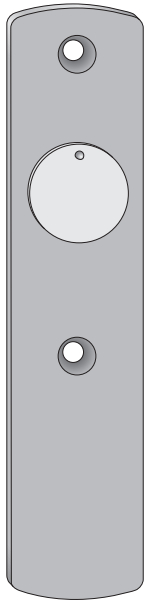
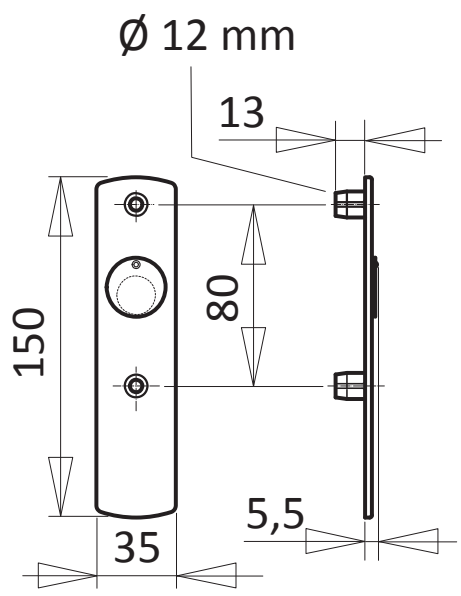
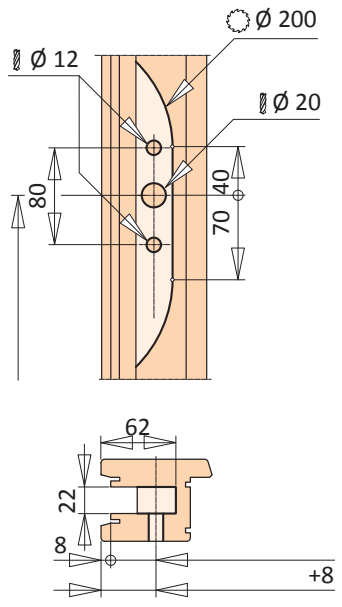
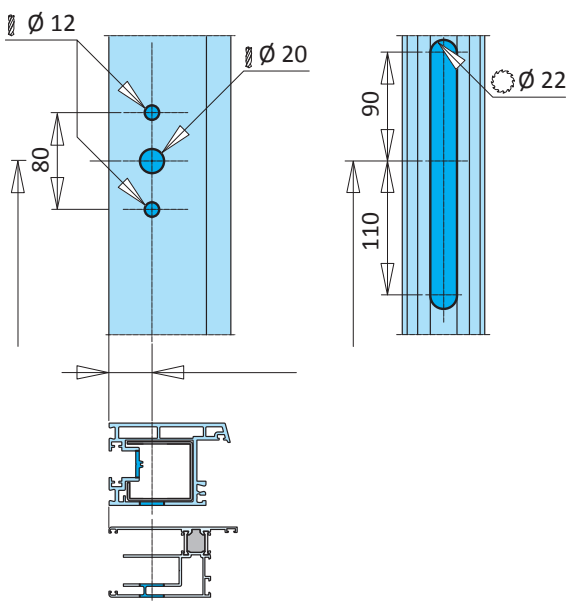


6.17 Handle HS removable

Name	Dimensions
Handle Si-line HS 300 removable	□ 10 mm square spindle: length 54 mm
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

Material description	Colour	Material number	Packaging unit
Carton handle Si-line HS 300 removable Only in conjunction with escutcheon Si-line HS 300, inside	RAL 9003	PHIB0060-50201_	1

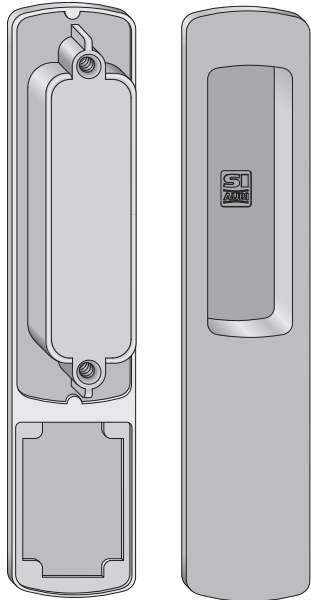
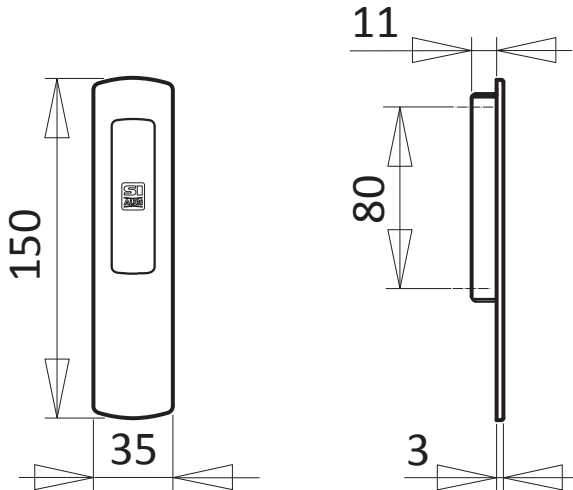
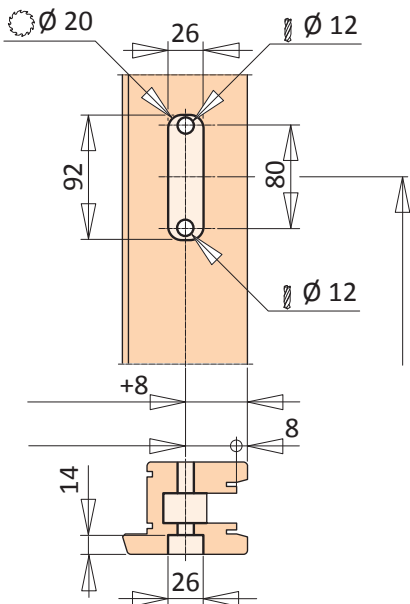
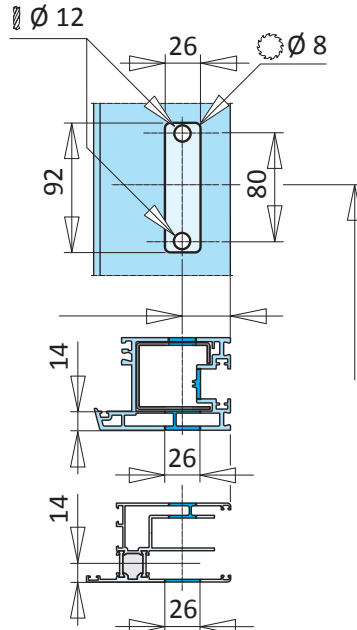
6.18 Rose for HS handle removable

Name	Dimensions
Handle Si-line HS 300 A0089	
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill Ø 12 mm Wood twist drill Ø 20 mm Grooving saw Ø 25 mm or milling cutter Ø 200 mm	Drill Ø 12 mm HS Bi-metal hole saw Ø 20 mm Milling cutter Ø 22 mm
	

Material description	Colour	Material number	Packaging unit
Carton escutcheon Si-line HS 300, inside Only in conjunction with handle Si-line HS 300 removable	RAL 9003	PHZB0020-50201_	1
	EV 1 silver	PHZB0020-52401_	1
	RAL 8022	PHZB0020-51201_	1

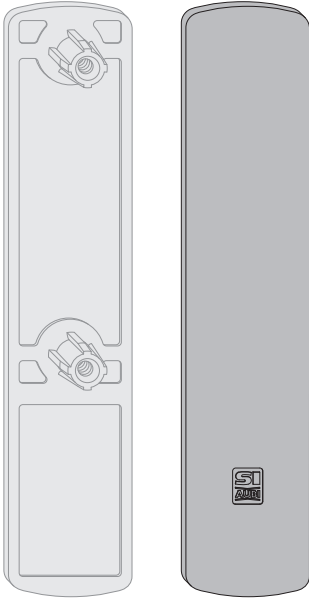
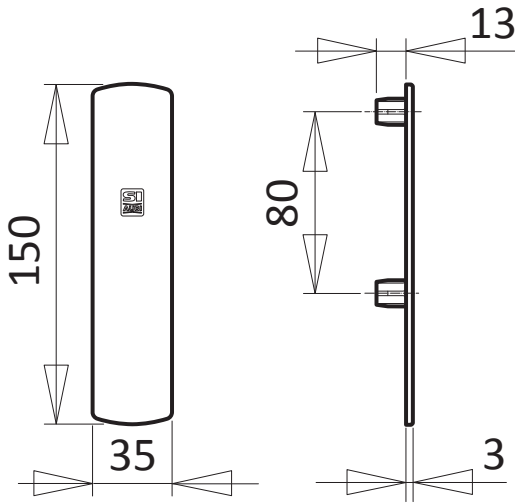
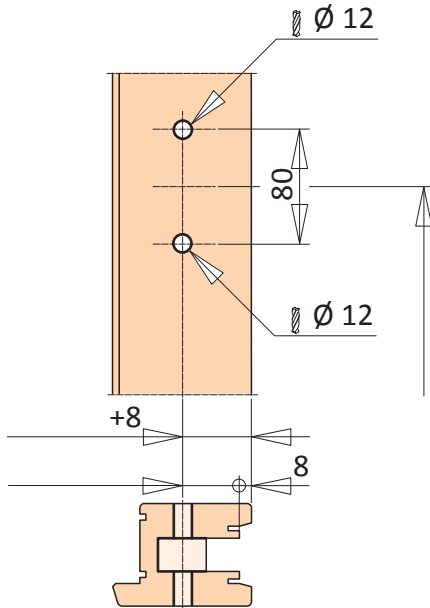
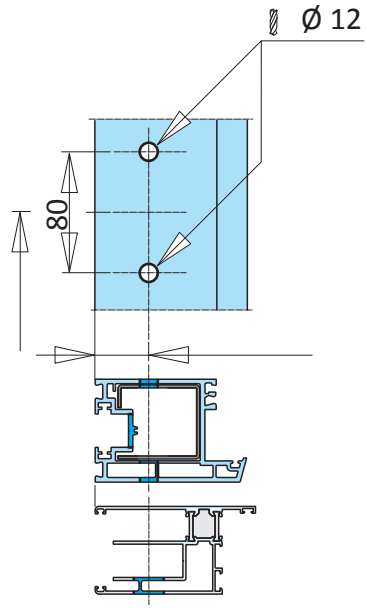
7 Accessories for HS handle

7.1 Sliding grip Si-line long

Name	Dimensions
Sliding grip Si-line long	
	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

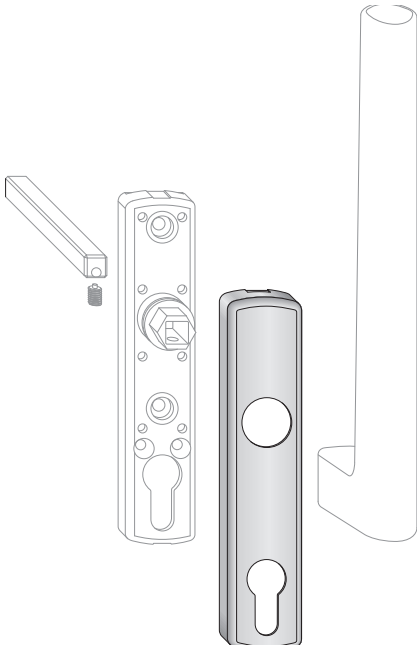
Material description	Colour	Material number	Packaging unit
Carton sliding grip Si-line long Only in conjunction with handle Si-line HS 300	RAL 9001	PSMB0020-50101_	1
	RAL 9003	PSMB0020-50201_	1
	RAL 9010	PSMB0020-50301_	1
	RAL 9016	PSMB0020-50401_	1
	RAL 1013	PSMB0020-50501_	1
	matt silver	PSMB0020-5G001_	1
	RAL8019	PSMB0020-51101_	1
	RAL 8022	PSMB0020-51201_	1
	EV 1 silver	PSMB0020-52401_	1
	EV 2 new silver	PSMB0020-52601_	1
	C 33 medium bronze	PSMB0020-53001_	1
	F 9 aluminium-steel colours	PSMB0020-5H401_	1
	Si old gold	PSMB0020-5H001_	1
	Titan matt bright	PSMB0020-53401_	1
	RAL 9005	PSMB0020-52301_	1
	Surface uncoated (mill finish)	PSMB0020-50001_	1

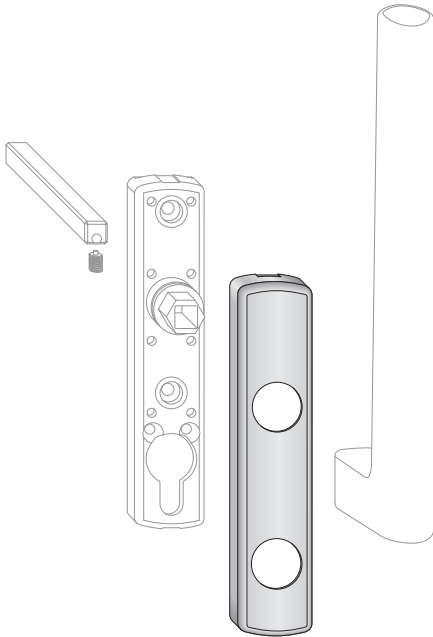
7.2 Escutcheon Si-line HS 300 outside

Name	Dimensions
Escutcheon Si-line HS 300 outside 	
Drilling template - timber	Drilling template - PVC/ALU
Wood twist drill $\varnothing$ 12 mm Wood twist drill $\varnothing$ 20 mm Grooving saw $\varnothing$ 25 mm or milling cutter $\varnothing$ 200 mm	Drill $\varnothing$ 12 mm HS Bi-metal hole saw $\varnothing$ 20 mm Milling cutter $\varnothing$ 22 mm
	

Material description	Colour	Material number	Packaging unit
Carton escutcheon Si-line HS 300 outside Only in conjunction with handle Si-line HS 300	RAL 9003	PHZB0030-50201_	1
	EV 1 silver	PHZB0030-52401_	1
	RAL 8022	PHZB0030-51201_	1
	F 9 aluminium-steel colours	PHZB0030-5H401_	1

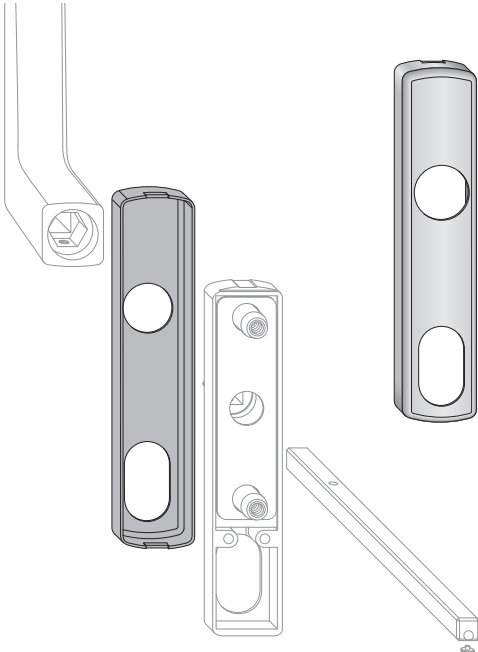
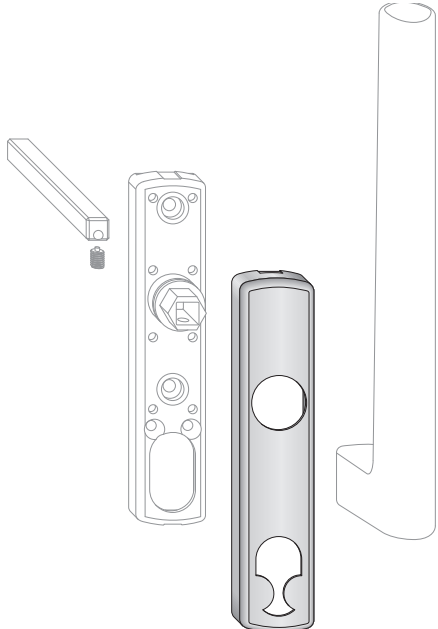
7.3 Cover cap for HS handle and PZ handle

Name	Name
Cover cap Si-line HS 300 for handle Si-line HS 300	Cover cap Si-line HS 300 PZ for handle Si-line HS 300 PZ
	

Name
Cover cap Si-line HS 300 RZ for handle Si-line HS 300 RZ


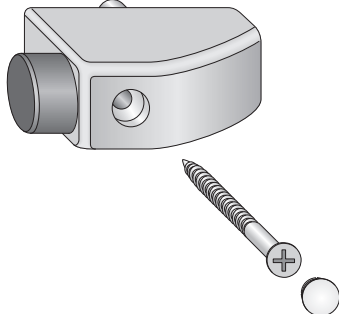
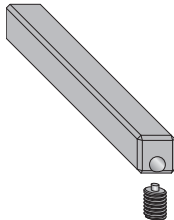
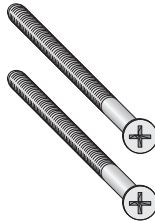
Material description	Colour	Material number	Packaging unit
Carton cover cap Si-line HS 300 for handle Si-line HS 300	RAL 9001	PKHB0050-50101_	1
	RAL 9003	PKHB0050-50201_	1
	RAL 9010	PKHB0050-50301_	1
	RAL 9016	PKHB0050-50401_	1
	RAL 1013	PKHB0050-50501_	1
	matt silver	PKHB0050-5G001_	1
	RAL8019	PKHB0050-51101_	1
	RAL 8022	PKHB0050-51201_	1
	EV 1 silver	PKHB0050-52401_	1
	EV 2 new silver	PKHB0050-52601_	1
	C 33 medium bronze	PKHB0050-53001_	1
	F 9 aluminium-steel colours	PKHB0050-5H401_	1
	Si old gold	PKHB0050-5H001_	1
	Titan matt bright	PKHB0050-53401_	1
	RAL 9005	PKHB0050-52301_	1
	Surface uncoated (mill finish)	PKHB0050-50001_	1
Carton cover cap Si-line HS 300 PZ for handle Si-line HS 300 PZ	RAL 9001	PKHB0040-50101_	1
	RAL 9003	PKHB0040-50201_	1
	RAL 9010	PKHB0040-50301_	1
	RAL 9016	PKHB0040-50401_	1
	RAL 1013	PKHB0040-50501_	1
	matt silver	PKHB0040-5G001_	1
	RAL8019	PKHB0040-51101_	1
	RAL 8022	PKHB0040-51201_	1
	EV 1 silver	PKHB0040-52401_	1
	EV 2 new silver	PKHB0040-52601_	1
	C 33 medium bronze	PKHB0040-53001_	1
	F 9 aluminium-steel colours	PKHB0040-5H401_	1
	Si old gold	PKHB0040-5H001_	1
	Titan matt bright	PKHB0040-53401_	1
	RAL 9005	PKHB0040-52301_	1
	Surface uncoated (mill finish)	PKHB0040-50001_	1
Carton cover cap Si-line HS 300 RZ for handle Si-line HS 300 RZ	RAL 9003	PKHB0060-50201_	
	EV 1 silver	PKHB0060-52401_	
	RAL 9005	PKHB0060-52301_	
	F 9 aluminium-steel colours	PKHB0060-5H401_	

7.4 Cover cap for HS handle OZ

Name	Name
Cover cap Si-line HS 300 OZ outside for handle Si-line HS 300 OZ	Cover cap Si-line HS 300 OZ inside for handle Si-line HS 300 OZ
	

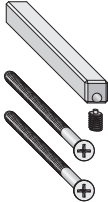
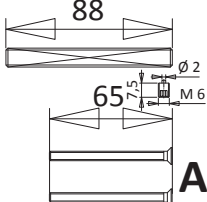
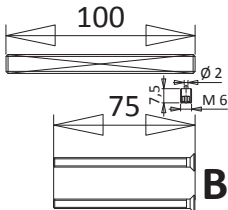
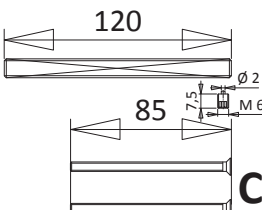
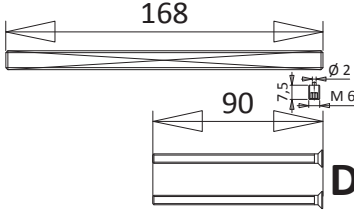
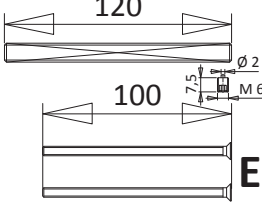
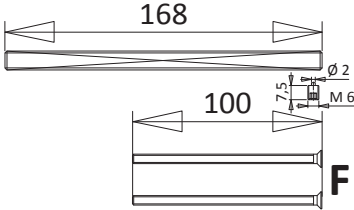
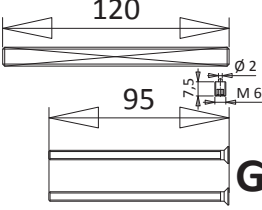
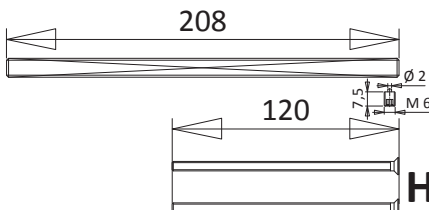
Material description	Colour	Material number	Packaging unit
Carton cover cap Si-line HS 300 OZ outside A0281/A0301 for handle Si-line HS 300 OZ	EV 1 silver	PKHB0080-52401_	1
	F 9 aluminium-steel colours	PKHB0080-5H401_	1
Carton cover cap Si-line HS 300 OZ inside A0282/A0301 for handle Si-line HS 300 OZ	EV 1 silver	PKHB0090-52401_	1
	F 9 aluminium-steel colours	PKHB0040-5H401_	1
Carton stop HS for handle Si-line HS 300 RZ	RAL 9003	821237	1
		215128	20
	RAL 7040	PMZB0140-0E601_	1
		PMZB0140-0E603_	20
	RAL 7035	PMZB0140-02101_	1
		PMZB0140-02103_	20
	RAL 9005	831922	1
		224797	20

7.5 Stop, sleeve nut M 5; square □ 10 mm and countersunk screws M 5..

Name	Name
Stop	Sleeve nut M 5
	
Name	Name
Square □ 10 mm	Countersunk screws M 5 ..
	

Material description	Colour	Material number	Packaging unit
Sleeve nut M 5 For mounting handle Si-line HS without Si-line sliding grip or outside Si-line escutcheon		800287	
Square 10 x 10 x 88		ZHVK0250-10002_	1
Square 10 x 10 x 100		ZHVK0220-10002_	1
Square 10 x 10 x 120		ZHVK0230-10002_	1
Square 10 x 10 x 168		ZHVK0240-10002_	1
Countersunk screw K/PZD ISO7046 M 5 x 60 -4.8 TS		KDNA0070-10001_	1
Countersunk screw K/PZD ISO7046 M 5 x 65 -4.8 TS		KDNA0080-10001_	1
Countersunk screw K/PZD ISO7046 M 5 x 70 -4.8 TS		KDNA0090-10001_	1
Countersunk screw K/PZD ISO7046 M 5 x 75 -4.8 TS		KDNA0100-10001_	1
Countersunk screw K/PZD ISO7046 M 5 x 80 -4.8 TS		KDNA0110-10001_	1
Countersunk screw K/PZD ISO7046 M 5 x 85 -4.8 TS		KDNA0120-10001_	1
Countersunk screw K/PZD ISO7046 M 5 x 90 -4.8 TS		KDNA0130-10001_	1

7.6 Accessories for HS handle for profile thickness ...

Name	Dimensions
Accessories for HS handle for profile thickness ...	Profile thickness 58 mm
	
Dimensions	Dimensions
Profile thickness 68 mm	Profile thickness 78 mm
	
Dimensions	Dimensions
Profile thickness 82 mm	Profile thickness 92 mm
	
Dimensions	Dimensions
Profile thickness 50-92 mm	Profile thickness 86 mm
	
Dimensions	
Profile thickness 93-120 mm	
	

Material description	Material number	Packaging unit
Accessories for HS handle for profile thickness 58 mm TS	PMZB0230-10001_	1
Accessories for HS handle for profile thickness 68 mm TS	PMZB0240-10001_	1
Accessories for HS handle for profile thickness 78 mm TS	PMZB0250-10001_	1
Accessories for HS handle for profile thickness 82 mm TS	PMZB0260-10001_	1
Accessories for HS handle for profile thickness 92 mm TS	PMZB0270-10001_	1
Accessories for HS handle for profile thickness 50 - 92 mm TS	PMZB0270-10001_	1
Accessories for HS handle for profile thickness 86 mm TS	PMZB0480-10001_	1
Accessories for HS handle for profile thickness 93 - 120 mm TS	PMZB0490-10001_	1

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