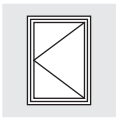
Accessories ALU

opening restrictor S
ALU axxent PLUS-D




1-sash square turn-tilt/turn-only

aluminium eurogroove 15/20

chamber dimensions 21

Size range

		Windows
sash width	(mm)	450 – 1600
sash height	(mm)	1040 – 2400
Sash weight	(kg)	max. 100/130

The following application diagrams are valid:
-max. 100 kg Document-Nr.: H58.AWDLS012EN
-max. 130 kg Dokument-Nr.: H58.AWDLS014EN

Opening angle (unlocked):
-≤ 110°

The following documentation is required:
-ALU20 profile information Document Nr.: H45.ALUS001EN
-ALU axxent PLUS-D assembly instructions Document-Nr.: H48.axntLS018EN
-ALU axxent PLUS-D/DS assembly instructions Document-Nr.: H39.axntLS002EN
-ALU maintenance instructions Document Nr.: H49.ALUS001EN
-ALU service instructions Document Nr.: H47.ALUS001EN
-ALU operating instructions Document Nr.: H47.ALUS002EN
-TITAN operating instructions Document Nr.: H47.TIT00S001EN

Please observe:
specifications/notes on the product and on liability (VHBH directive as well as the further applicable documents)!

Specifications from the profile manufacturers or system owners for windows and patio doors!

The component is not a fall protection.

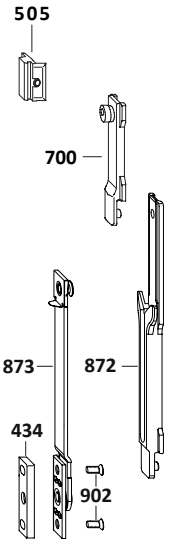
The component is an opening restrictor for the safety of children in accordance with DIN EN 13126-5:2015.

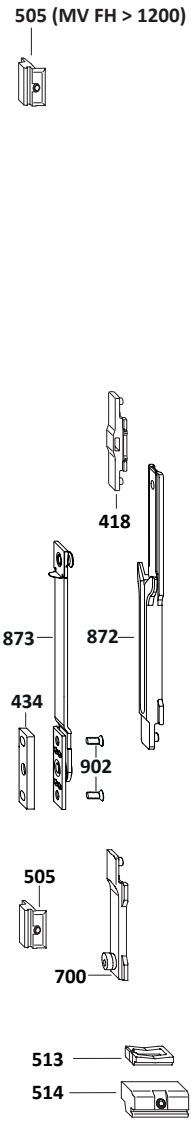
See SIEGENIA download portal for all documentation!

Hardware overview

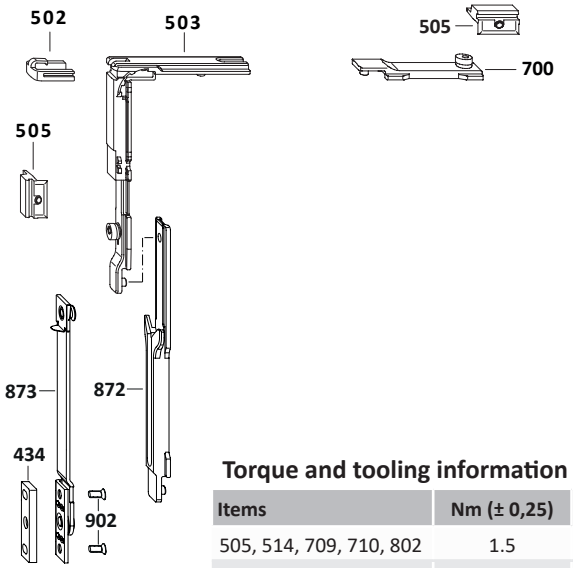
1-sash square turn hinge side ALU axxent PLUS
Opening restrictor S and coupling set

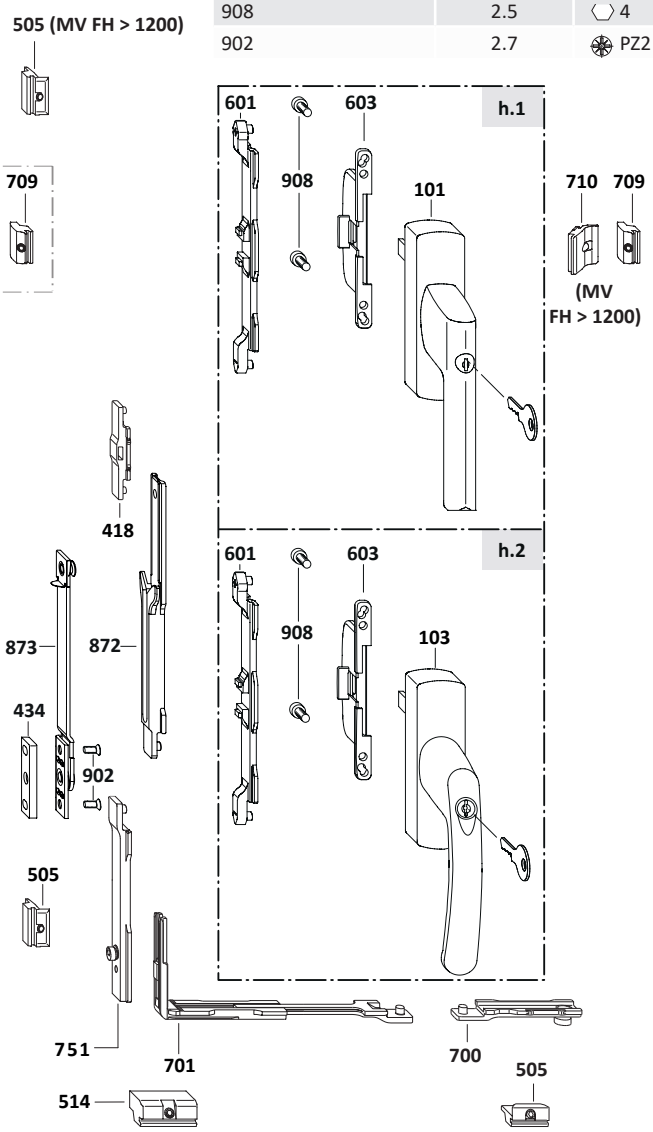
VS





VS with centre lock (FB > 1200)





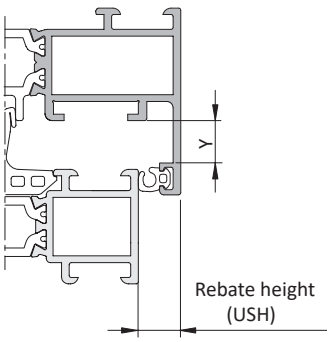
Torque and tooling information

Items	Nm (± 0,25)	
505, 514, 709, 710, 802	1.5	⬡ 2.5
908	2.5	⬡ 4
902	2.7	✱ PZ2

	Item	piece	Material description		Material number	VE	Material number	VE
h.1	101	1	**Handle ALU Si-line lockable /TBT**	only use in combination with coupling set. for function notes see page 8 and 9.	See ALU handle overview in the SIEGENIA download portal.			
h.2	103		**Handle ALU Globe lockable/TBT**					
without figure		1	**BS ALU axxent PLUS-D A0004 left A0006 right A0006 left**	**A0004 right**	**MMBS0251-10001_**	**1**	**MMBS0251-10002_**	**10**
					MMBS0252-10001_	**1**	**MMBS0252-10002_**	**10**
					MMBS0261-10001_	**1**	**MMBS0261-10002_**	**10**
					MMBS0262-10001_	**1**	**MMBS0262-10002_**	**10**
		0...1	**Accessory set ALU axxent PLUS A0022**	Only use in combination with BS ALU axxent PLUS A0006	**MZBS0180-10001_**	**1**	**MZBS0180-10006_**	**100**
		0...1	**Accessory set ALU axxent PLUS**	> 100 kg	-	-	**MZBS0130-00003_**	**20**
		0...1	**Accessory set ALU axxent PLUS A0172**	> 100 kg (With recessed sash groove)	-	-	**MZBS0190-00003_**	**20**
		1	**Locking side ALU-D**		**MMVS0240-10001_**	**1**	**MMVS0240-10003_**	**20**
	505	2	Striker					
	513	1	Run-up block RAL 7001					
	514	1	TBT run-up block RAL 9005					
	-	1	Stop	not required				
	700	2	Slider					
	418	1	**Coupling bracket TBT**		**859339**	**1**	**254530**	**100**
For use see page 8		2	**Opening restrictor S**		**MMSZ0140-10001_**	**1**	**MMSZ0140-10002_**	**10**
	872	1	Striker plate	grease before installation, see page 5				
	873	1	Stay arm					
	902	2	Countersunk screw M5 x 13					
	434	2	**Packer A0004**	see frame groove design on page 7.	**889220**	**1**	**303863**	**200**
			Packer A0006		**TRUP0130-04001_**	**1**	**TRUP0130-04006_**	**100**
			Packer A0022					
h.1 h.2		1	**Coupling set ALU FBS-G Y ≥ 9 < 10 mm**	only use in combination with h.1/h.2. (see below for notes on rebate height (USH) and dimension Y).	**MMKL0030-10001_**	**1**	**MMKL0030-10003_**	**20**
			Y ≥ 10 mm		**MMKL0010-10001_**	**1**	**MMKL0010-10003_**	**20**
			USH ≥ 12		**MMKL0040-10001_**	**1**	**MMKL0040-10003_**	**20**
	601	1	Coupling bracket					
	603	1	Mishandling device					
	908	2	Cheese head screw M5 x 12					
dependent on system		0...1	**MV ALU-D VSU/VSO**	FB > 1200	**MMMV0040-10001_**	**1**	**MMMV0040-10003_**	**20**
	502	1	Clamping piece EUL					
	503	1	VSO corner drive					
	505	2	Striker					
	701	1	VSU/BSO corner drive					
	751	1	Locking bolt DKB					
depending on system		0...1	**MV ALU-D VS/BS**	FH > 1200	**857052**	**1**	**246986**	**20**
	505	1	Striker					
	709	1	Striker MV					
	710	1	Locking bolt					
Accessories								
	-	1	**Frame jig ALU EB FP**	for opening restrictor (see page 8)	**158630**	**1**	-	-

Design variations for coupling set (601-603-908) (h.1/h.2)

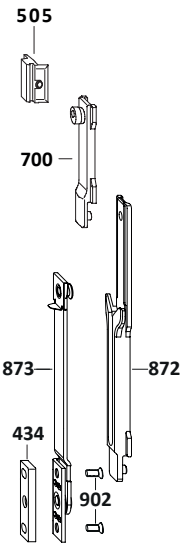
USH (mm)	Y (mm)	Material number
7 - 10	≥ 9 < 10	**MMKL0030-10003_**
	≥ 10	**MMKL0010-10003_**
12	-	**MMKL0040-10003_**

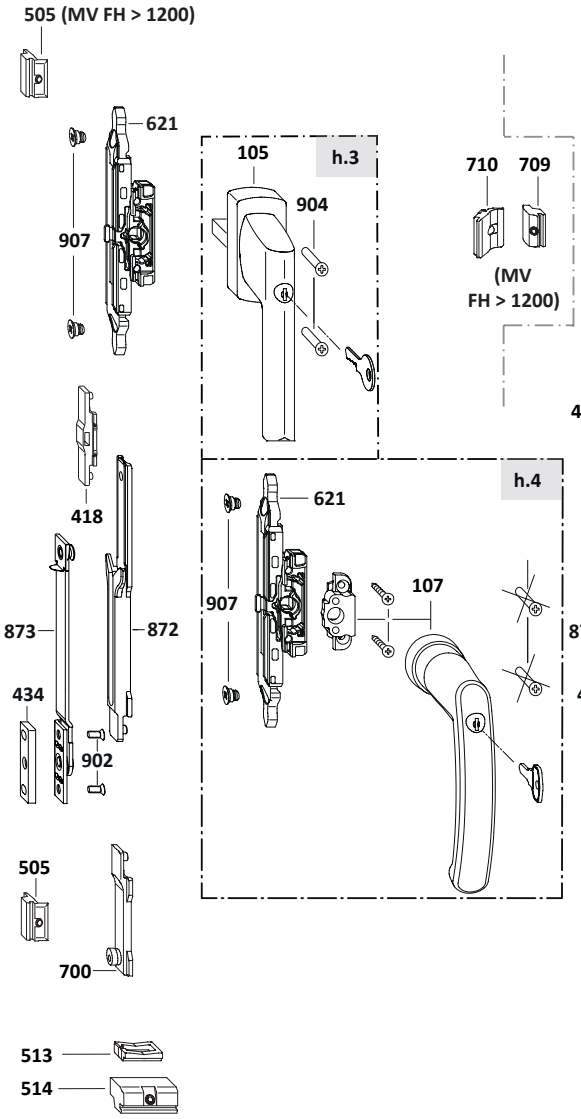


Hardware overview

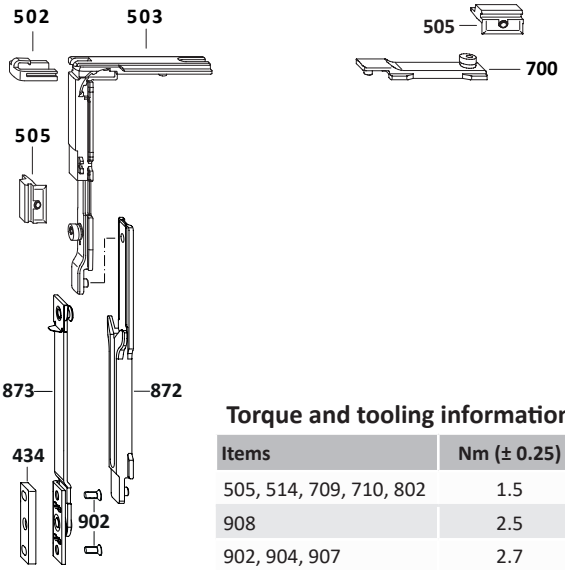
1-sash square turn hinge side ALU axxent PLUS
Opening restrictor S and gear set

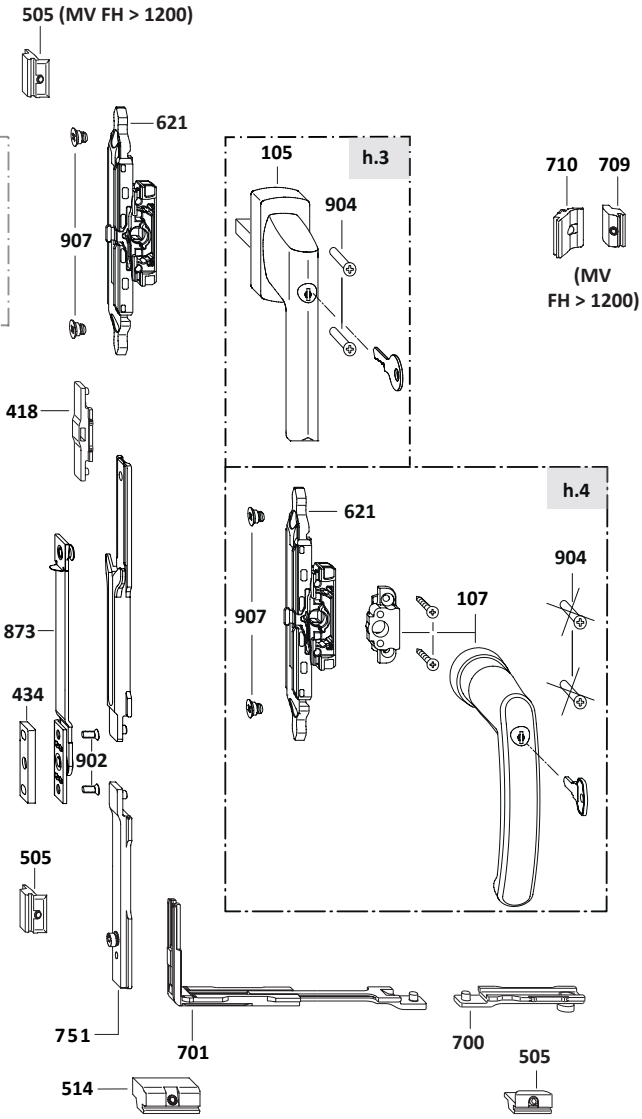
VS





VS with centre lock (FB > 1200)





Torque and tooling information

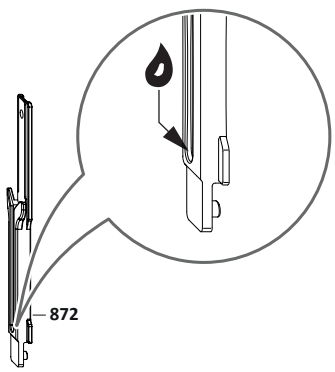
Items	Nm (± 0.25)	
505, 514, 709, 710, 802	1.5	⬡ 2.5
908	2.5	⬡ 4
902, 904, 907	2.7	✱ PZ2

	Item	piece	Material description		Material number	VE	Material number	VE
h.3	105	1	**Handle TITAN lockable/TBT**	only use in combination with gear set. installation information for (107) see page 10.	□ 7 mm x 25, cam Ø10 mm			
h.4	107		**Handle ALU Globe RR lockable/TBT**		See handle ALU Globe RR in the SIEGENIA download portal			
without figure		1	**BS ALU axxent PLUS-D** **A0004 left** **A0006 right** **A0006 left**	**A0004 right**	**MMBS0251-10001_**	**1**	**MMBS0251-10002_**	**10**
					MMBS0252-10001_	**1**	**MMBS0252-10002_**	**10**
					MMBS0261-10001_	**1**	**MMBS0261-10002_**	**10**
					MMBS0262-10001_	**1**	**MMBS0262-10002_**	**10**
		0...1	**Accessory set ALU axxent PLUS A0022**	Only use in combination with BS ALU axxent PLUS A0006	**MZBS0180-10001_**	**1**	**MZBS0180-10006_**	**100**
		0...1	**Accessory set ALU axxent PLUS**	> 100 kg	-	-	**MZBS0130-00003_**	**20**
		0...1	**Accessory set ALU axxent PLUS A0172**	> 100 kg (With recessed sash groove)	-	-	**MZBS0190-00003_**	**20**
		1	**Locking side ALU-D**		**MMVS0240-10001_**	**1**	**MMVS0240-10003_**	**20**
	505	2	Striker					
	513	1	Run-up block RAL 7001					
	514	1	TBT run-up block RAL 9005					
	-	1	Stop	not required				
	700	2	Slider					
	418	1	**Coupling bracket TBT**		**859339**	**1**	**254530**	**200**
For use see page 8		2	**Opening restrictor S**		**MMSZ0140-10001_**	**1**	**MMSZ0140-10002_**	**10**
	872	1	Striker plate	grease before installation, see page 5				
	873	1	Stay arm					
	902	2	Countersunk screw M5 x 13					
	434	2	**Packer A0004**	see frame groove design on page 7.	**889220**	**1**	**303863**	**200**
			Packer A0006		**TRUP0130-04001_**	**1**	**TRUP0130-04006_**	**100**
			Packer A0022					
h.3 h.4		1	**Gear set ALU FBS**	only use in combination with h.3/h.4 (see SIEGENIA download portal).	**MMGI0080-10001_**	**1**	**MMGI0080-10003_**	**20**
	621	1	ESG M6 FBS					
	904	2	Countersunk screw M5 x 35					
	907	2	Coupling screw M6					
dependent on system		0...1	**MV ALU-D VSU/VSO**	FB > 1200	**MMMV0040-10001_**	**1**	**MMMV0040-10003_**	**20**
	502	1	Clamping piece EUL					
	503	1	VSO corner drive					
	505	2	Striker					
	701	1	VSU/BSO corner drive					
	751	1	Locking bolt DKB					
depending on system		0...1	**MV ALU-D VS/BS**	FH > 1200	**857052**	**1**	**246986**	**20**
	505	1	Striker					
	709	1	Striker MV					
	710	1	Locking bolt					

Accessories

	-	1	**Frame jig ALU EB FP**	for opening restrictor (see page 8)	**158630**	**1**	-	-

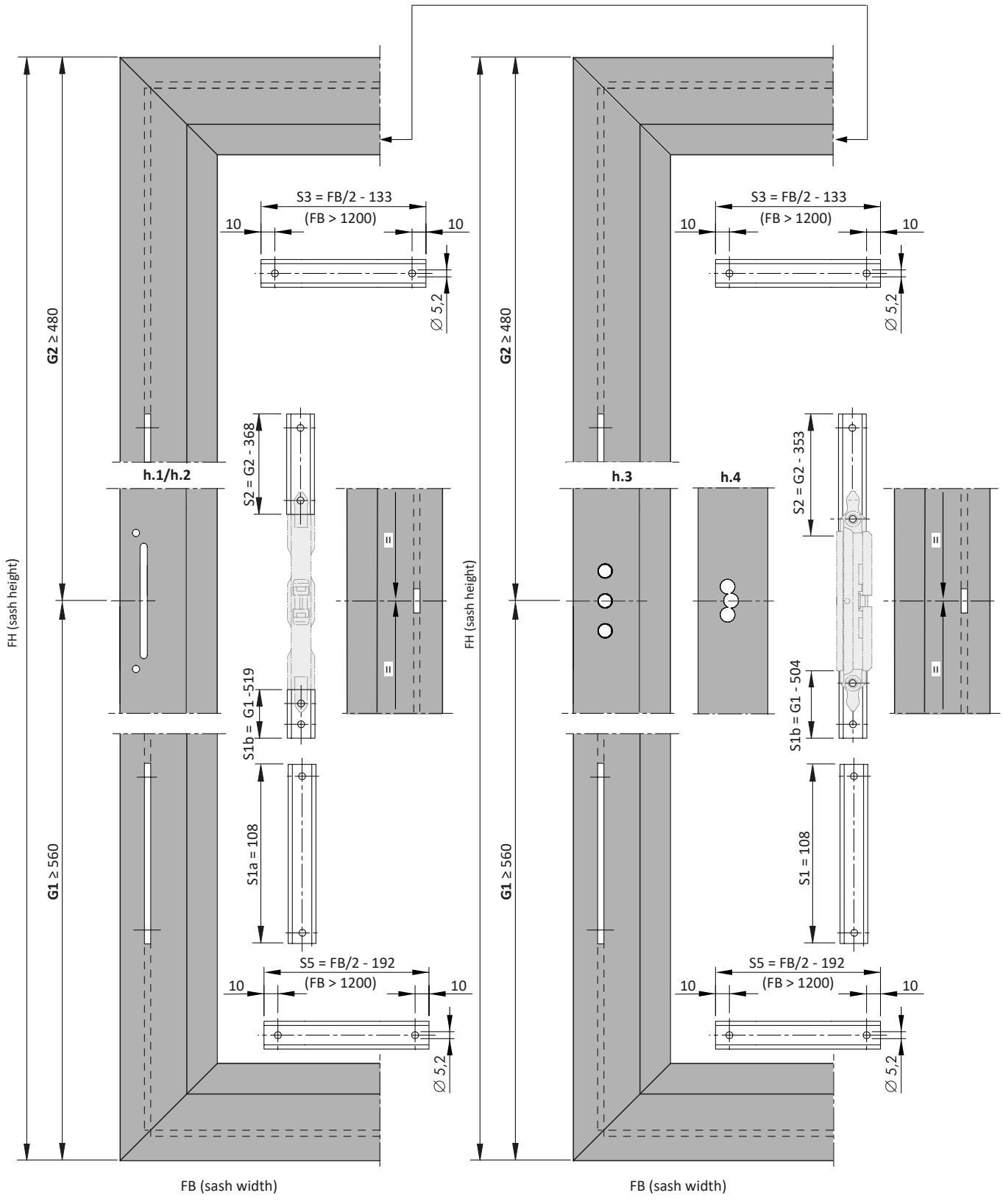
Striker plate opening restrictor (872) grease before installation.



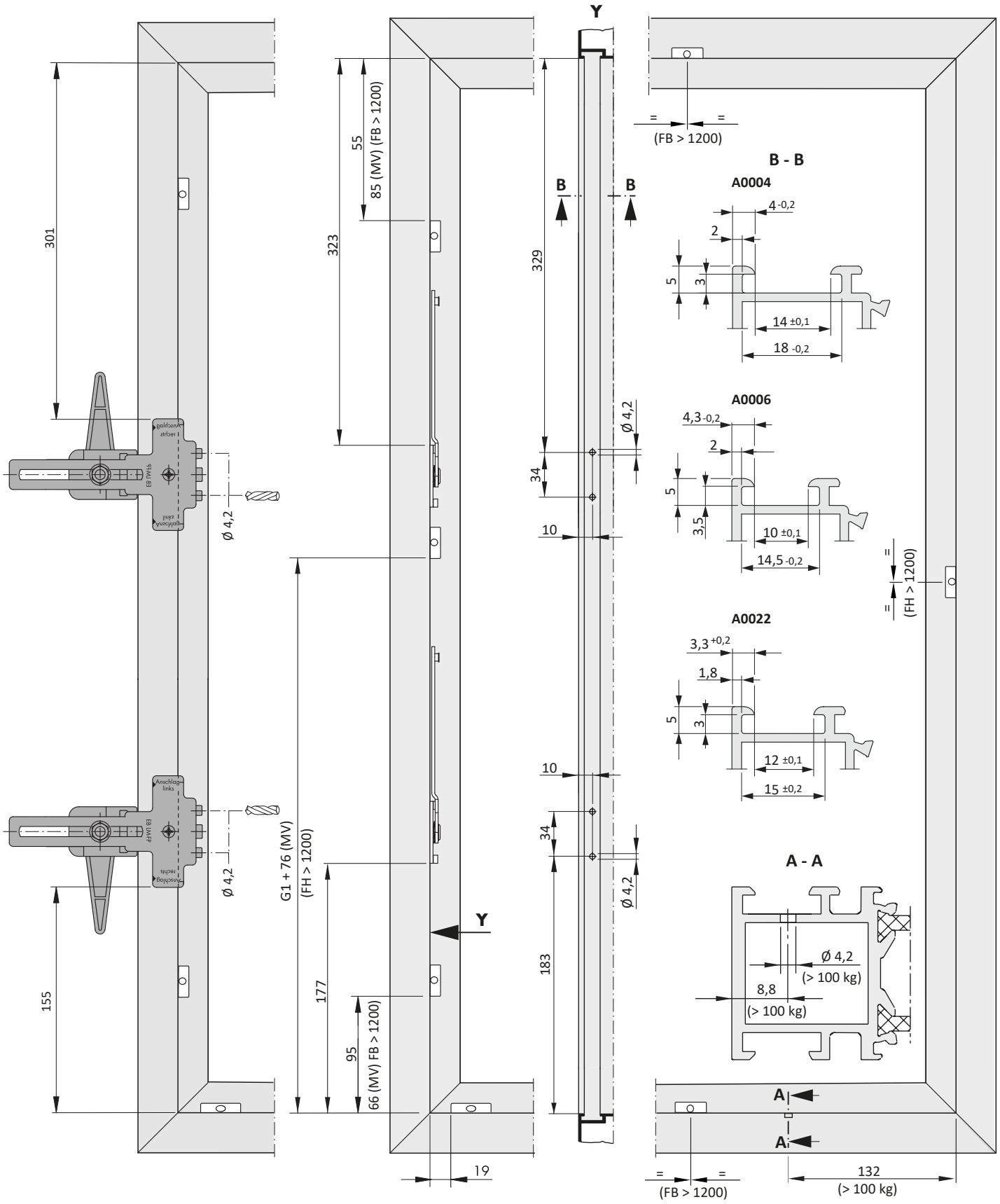
Sash dimensions

1-sash square turn hinge side ALU axxent PLUS
Opening restrictor S

We recommend the installation of burglar-resistant glass beads.



Drill hole measurements see standard assembly instructions.

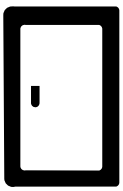

Y
B - B
A0004
4 -0,2
2
5
3
14 ±0,1
18 -0,2
A0006
4,3 -0,2
2
5
3,5
10 ±0,1
14,5 -0,2
A0022
3,3 +0,2
1,8
5
3
12 ±0,1
15 ±0,2
A - A
Ø 4,2
(> 100 kg)
8,8
(> 100 kg)
301
155
323
55
85 (MV) (FB > 1200)
329
34
10
Ø 4,2
G1 + 76 (MV)
(FH > 1200)
177
95
66 (MV) FB > 1200)
183
19
(FB > 1200)
(FH > 1200)
132
(> 100 kg)
B
A

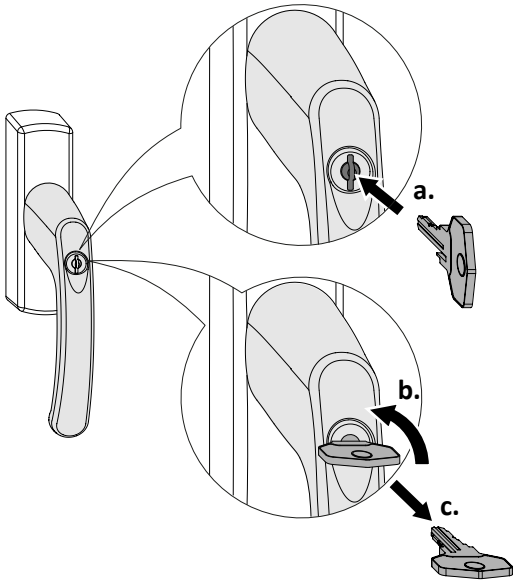
Function note handle ALU lockable/ TBT (h.1/h.2)

1-sash square turn hinge side ALU axxent PLUS
Opening restrictor S

1 Operation - opening restrictor S

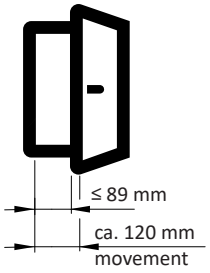
Activation of the opening restrictor in turn position. Example:
DIN RH, handle type ALU lockable

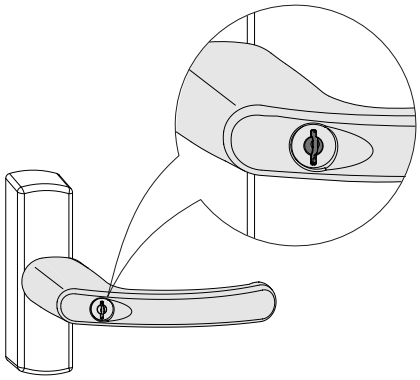




1. Locking position
a. Insert the key into the cylinder lock.
b. Turn the key to the left and activate the switching limitation.
c. Withdraw the key.

Key for authorised person only.

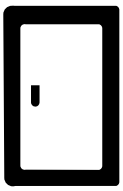


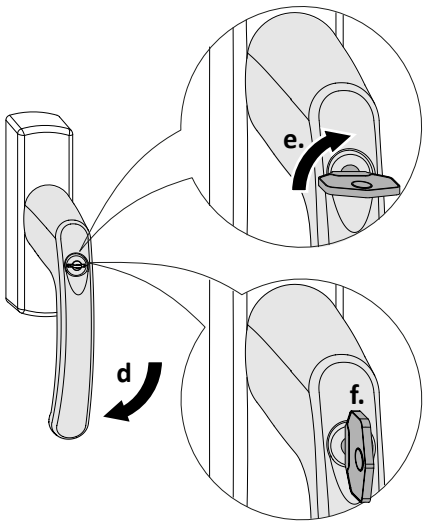


2. Opening restrictor
(observe system-related opening width of ≤ 89 mm).

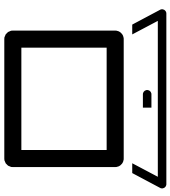
Check function before commissioning.

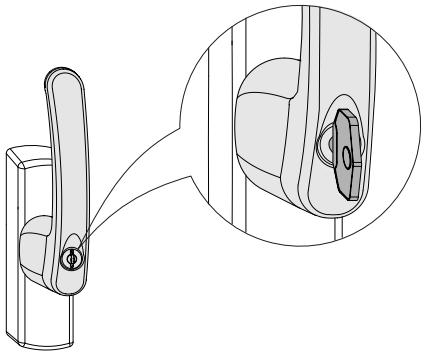
The sash is released in the handle position (180°).





3. Locking position
Turn the handle into the locking position.
d. Turn to key to the right.
e. Key position



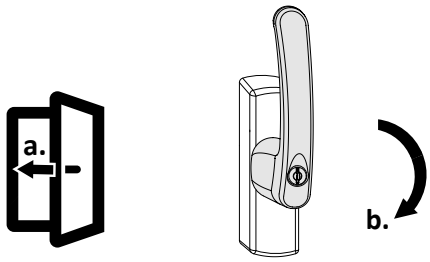


4. Release in the turning position
to release, turn the handle vertically to the top (180°).

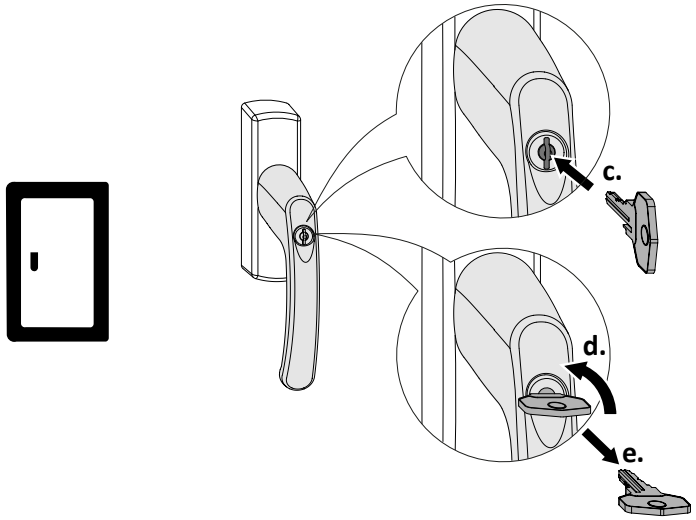
Note: position of the handle during lift-on and lift-off of the sash.

Activation of the opening restrictor after rotary opening.

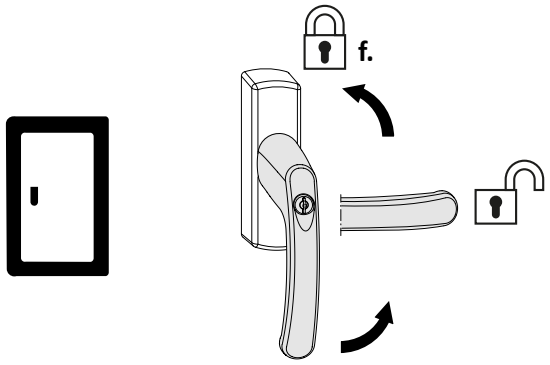
a. Close the sash
b. Turn handle in locking position.



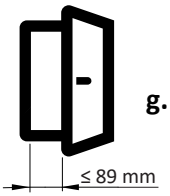
c. Insert the key into the cylinder lock.
d. Turn the key to the left
e. Withdraw the key.



f. The vertical position (180°) of the lever must be locked. The function must be checked.



g. Open the sash and check the function of the opening restrictor.



Note: After each unlocking of the lever and complete opening of the sash, the function of the opening limiter must be ensured as described.

Function note handle ALU lockable/ TBT (h.1/h.2)

1-sash square turn hinge side ALU axxent PLUS
Opening restrictor S

Installation information
For the installation of the handle Si-line ALU lockable/TBT (h.1) and handle ALU Globe lockable/TBT (h.2), DIN RH or DIN LH, observe the following information:

- Turn the handle into the locking position (fig. 1)
- Turn the cylinder lock with key into the depicted position (fig. 1)
- It must be possible to turn the handle to both sides by 90° (fig. 2)

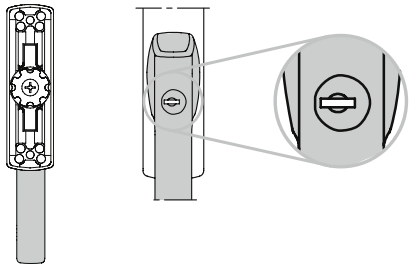


Fig 1

If the handle cannot be switched:

- ensure that the key is in the depicted position (fig. 1)
- turn the rose 180°
- it must be possible to turn the handle to both sides by 90° (fig. 2)

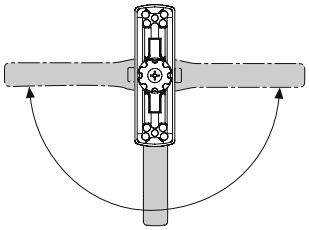


Fig. 2

- turn the handle into the required position DIN RH or DIN LH (fig. 3)

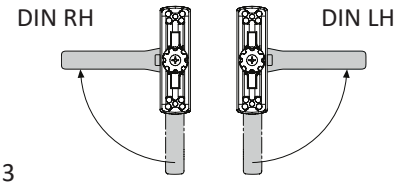


Fig 3

- insert the catch and cover plate into the centre (fig. 4)

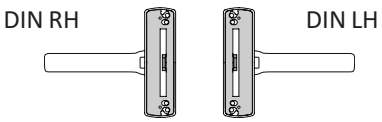
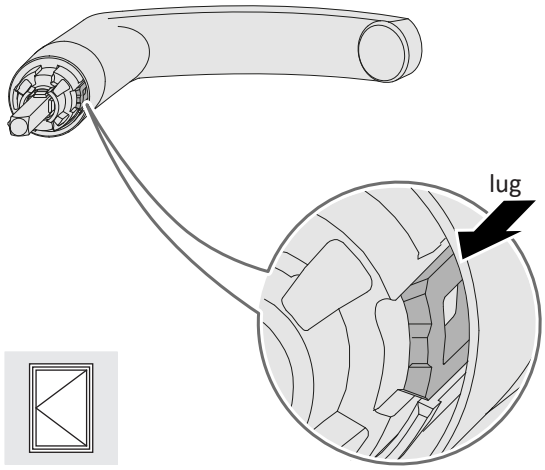
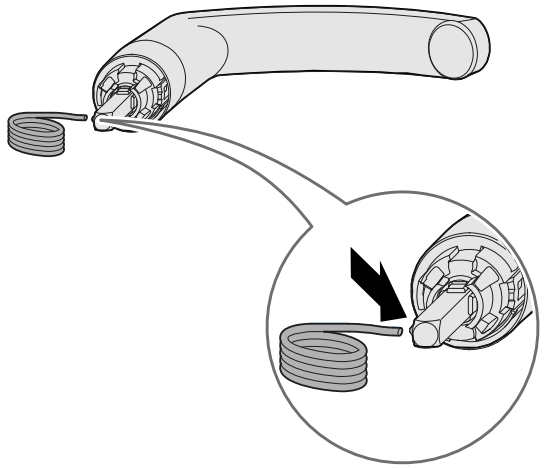


Fig 4

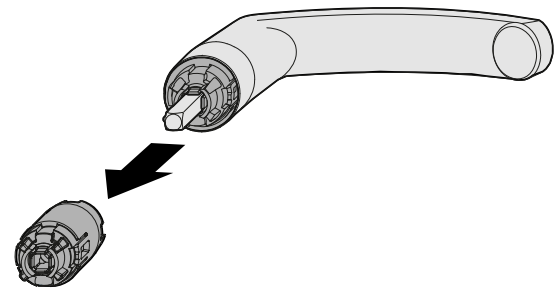
Delivery status
The lug is located on the right side.
Opening type:
-turn and tilt RH
-turn and tilt LH
-tilt-turn element RH



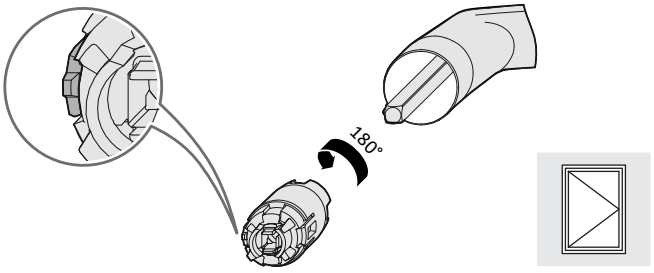
Retrofit to tilt-before-turn (TBT) LH
a. Press the dismounting spring (material number MAEW0040-00001_) on the spring ball in the square spindle.



b. Pull off the cylindrical insert over the square spindle.



c. Turn the cylindrical insert by 180°, the lug is located on the left side.



d. Position the cylindrical insert on the square spindle and push into the handle.

