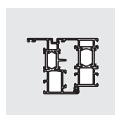
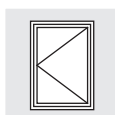


ALU 5100-D

Assembly instructions



BD3,5

Single-sash square turn-only

Aluminium Eurogroove 15/20

Chamber dimension 21

Versions A0004/A0006/A0022

Hinge clearance (BD) 3.5 - 5.0

Size range

		Windows	Patio doors
Sash width	(mm)	365 – 1600	365 – 1300
Sash height	(mm)	550 – 2000	2000 – 2400
Sash weight	(kg)	max. 80/100	max. 80/100

The following application diagrams apply:

-max. 80 kg

document Nr.: H58.AWDLS002EN

-max. 100 kg

document Nr.: H58.AWDLS003EN

The following documents are required:

-Profile recommendation ALU20

document no.: H45.ALUS001EN

-ALU Maintenance instructions

document Nr.: H49.ALUS001EN

-ALU Service instructions

document Nr.: H47.ALUS001EN

-ALU Operating instructions

document Nr.: H47.ALUS002EN

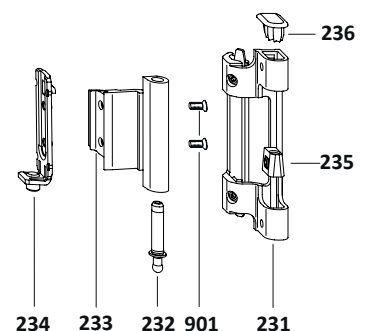
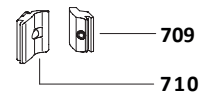
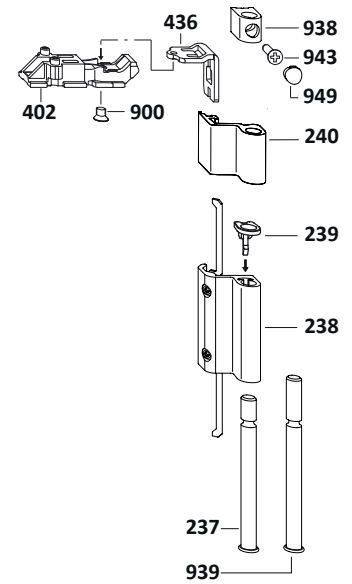
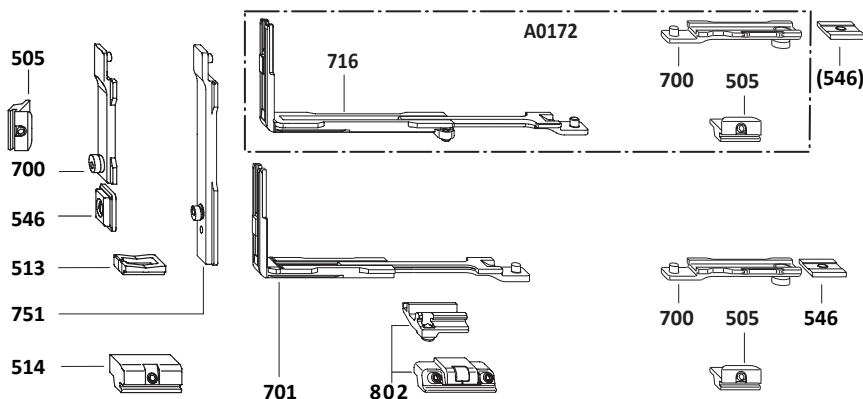
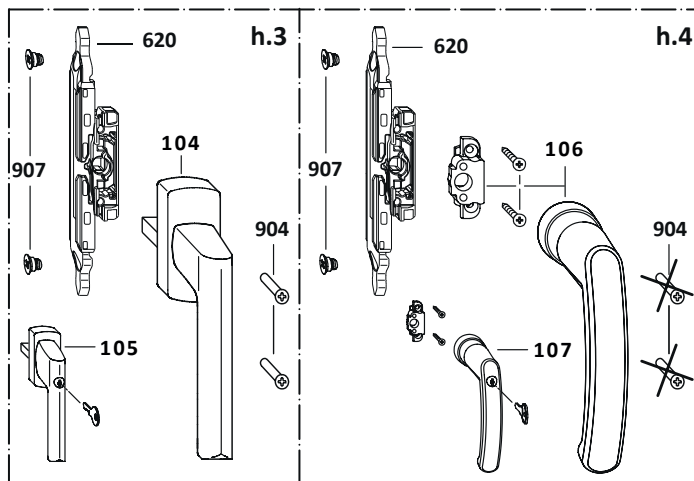
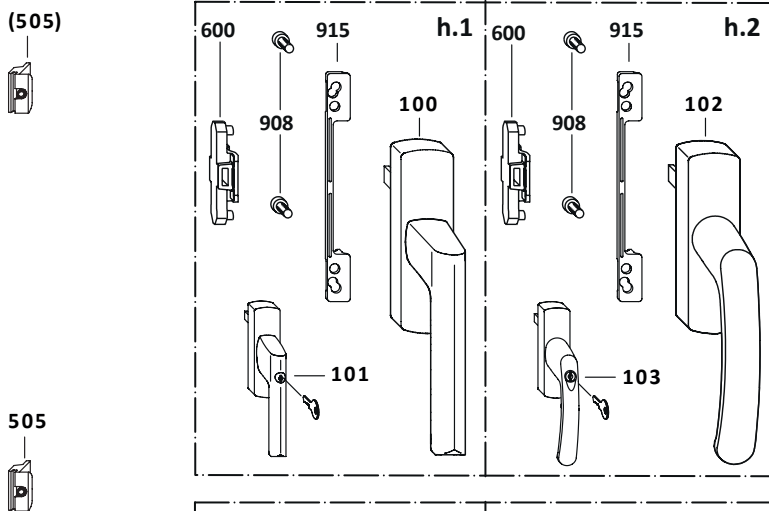
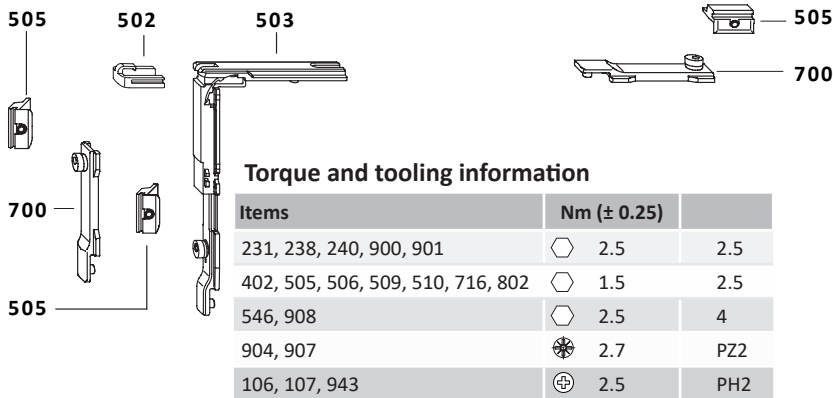
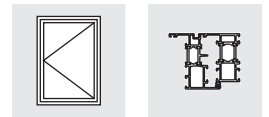
Please observe:

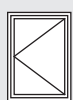
Guidelines/notes on the product and on liability (VHBH directive as well as the further applicable documents)!

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



All documentations see SIEGENIA download-portal!



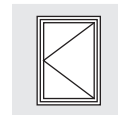


Hardware list

Single-sash square turn and tilt
hinge side ALU 5100

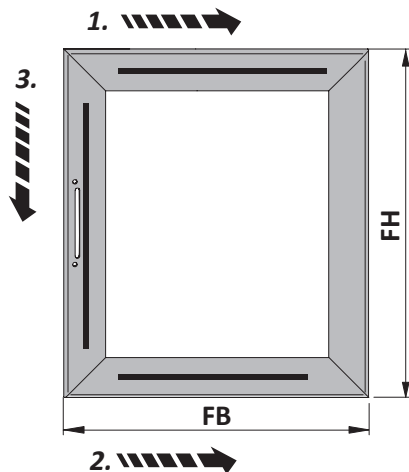
ALU 5100

	Item	Pieces	Material description		Material number	P/U	Material number	P/U
h.1	100	1	ALU Si-line handle		See ALU handle overview in the SIEGENIA download-portal			
	101		ALU Si-line lockable handle					
h.2	102		ALU Globe handle					
	103		ALU Globe lockable handle					
h.3	104		TITAN handle		□ 7 mm x 25, cam Ø 10 Only use in combination with gear set			
	105		TITAN lockable handle					
h.4	106		ALU Globe RR handle					
	107		ALU Globe RR lockable handle					
		1	Hinge side ALU 5100 (only for BD ≥ 3.5 mm ≤ 5 mm)	Silver	MMBS0430-52501_	1	MMBS0430-52502_	10
				RAL 9016	MMBS0430-50401_	1	MMBS0430-50402_	10
				RAL 9005	MMBS0430-52301_	1	MMBS0430-52302_	10
				EV 1	MMBS0430-52401_	1	MMBS0430-52402_	10
				Mill finish	–	–	MMBS0430-50002_	10
	231	1	Bottom hinge					
	232	1	Bottom hinge pin					
	233	1	Corner hinge					
	234	1	Clamping piece E					
	235	1	Adjusting piece SV ALU 5100					
	236	1	Bottom hinge cover cap					
	237	1	Hinge pin 80 kg					
	238	1	Top hinge					
	239	1	Washer					
	240	1	Stay hinge					
	901	2	Countersunk screw M5 x 8.5					
			0...1	Accessories set ALU 5100 > 80 kg	SI-silver	MZBS0140-52501_	1	MZBS0140-52502_
				RAL 9016	MZBS0140-50401_	1	MZBS0140-50402_	10
				RAL 9005	MZBS0140-52301_	1	MZBS0140-52302_	10
				EV 1	MZBS0140-52401_	1	MZBS0140-52402_	10
				Mill finish	–	–	MZBS0140-50005_	50
938		1	Bearing 100 kg					
939		1	Hinge pin 100 kg					
943		1	Countersunk screw M5 x 13					
	949	1	Bearing cover cap	Variant „raw“ not included in P/U. Order separately according to colour range.				
	949	0...1	Bearing cover cap	SI-silver	–	–	MKBS0010-02506_	100
			Bearing cover cap	RAL 9016 (bright colours)	–	–	MKBS0010-00406_	100
			Bearing cover cap	RAL 9005 (dark colours)	–	–	MKBS0010-02306_	100
		1	Accessories turn only sash stay ALU 5100		MZBS0040-00001_	1	MZBS0040-00003_	20
	436	1	Adapter ALU 5100-D					
	900	1	Countersunk screw M5 x 7					
		1	Locking side ALU-D SDF		MMVS0280-10001_	1	MMVS0280-10003_	20
	402	1	Top stay ALU-D					
	505	2	Striker					
	513	1	Run-up block					
	514	1	TBT run-up block					
	700	2	Slider					
h.1 h.2		0...1	ALU coupling set	Only use in combination with h.1/h.2	MMKL0060-10001_	1	MMKL0060-10003_	20
	600 908	1 2	Coupling bracket Cheese head screw M5 x 12					
h.3 h.4		0...1	ALU gear set	Only use in combination with h.3/h.4 (see SIEGENIA download-portal)	MMGI0090-10001_	1	MMGI0090-10003_	20
	620	1	M6 ESG					
	904	2	Countersunk screw M5 x 35					
	907	2	Coupling screw M6					



	Item	Pieces	Material description		Material number	P/U	Material number	P/U
system-dependent		0...1	MV ALU-D VS/BS	FH > 1250	857052	1	246986	20
	505	1	Striker					
	709	1	Striker MV					
	710	1	Locking bolt					
dependent on system		0...1	MV ALU-D VSU/VSO	FB > 1250	MMM0040-10001_	1	MMM0040-10003_	20
	502	1	Clamping piece EUL					
	503	1	VSO corner drive					
	505	2	Striker					
	701	1	VSU/BSO corner drive					
	751	1	Locking bolt					
Recessed groove dependent on system		0...1	MV ALU-D VSU/VSO A0172	FB > 1250	MMM0080-10001_	1	MMM0080-10003_	20
	502	1	Clamping piece EUL					
	503	1	VSO corner drive					
	505	2	Striker					
	716	1	Corner drive VSU/BSO A0172					
	751	1	Locking bolt					
Accessories	546	0...1	Stop	For travel restriction (install horizontally from sash width > 1250)	820544	1	222805	10
	802	0...1	Sash lifter ALU	see SIEGENIA download-portal	MMFH0010-10001_	1	MMFH0010-10003_	20
	915	0...1	ALU handle support	Only use for h.1/h.2	—	—	(see table)	200
	-	0...1	Jig ALU 5100 additional screw connection	For bearing (item 938) and countersunk screw M5 x 13 (item 943) > 80 kg (see page 7)	MARB0070-50001_	1	—	—

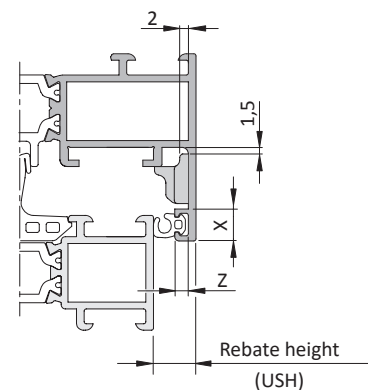
Observe assembly sequence!

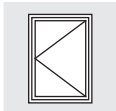
Design variations for handle support
(item 915) (h.1/h.2)

Sequence of installation in the sash:

- without centre lock (3.)
- with centre lock (1.-2.- 3.)

USH (mm)	Z (mm)	X ≤ 7 mm	X < 7 ≤ 8.5 mm
7 - 10	≤ 2	MFHA0010-10020_	MFHA0010-10020_
	> 2 ≤ 3		MFHA0020-10020_
	> 3		—



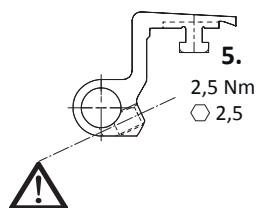
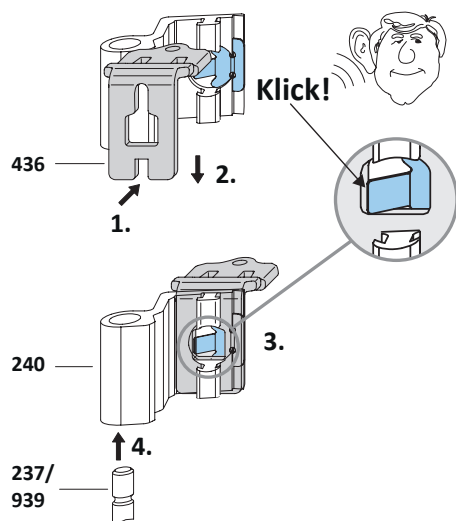


Assembly instructions

Single-sash square turn-only
Hinge side ALU 5100

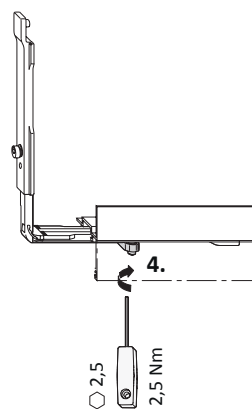
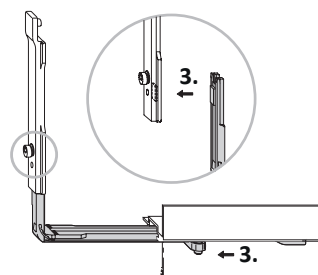
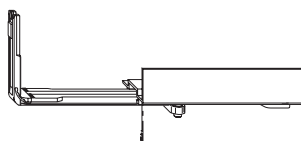
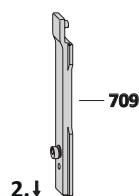
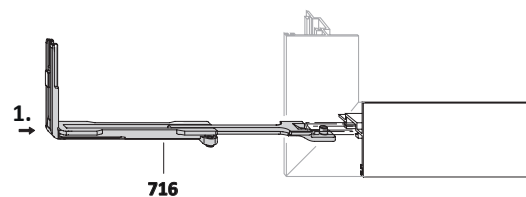
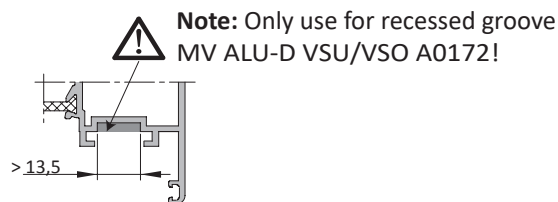
ALU 5100

Assembly instructions for stay hinge (item 240) with adapter ALU 5100-D (item 436)

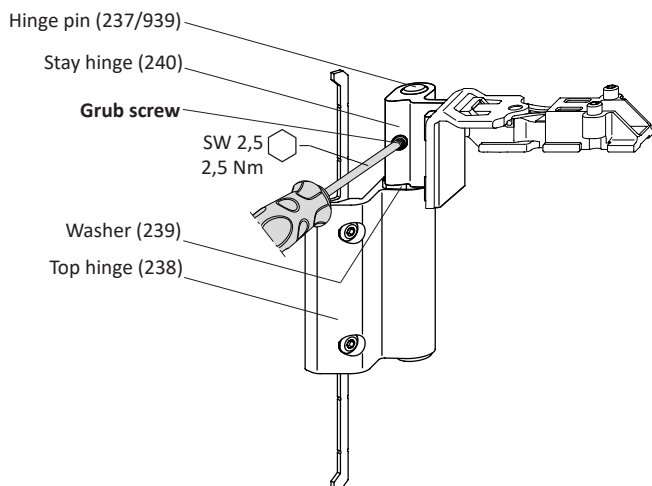


Note: Tighten grub screw with 2.5 ± 0.25 Nm torque.

Instructions for installing the corner drive VSU/BSO A0172 (item 716) to the VSU



Note: Tighten grub screw with 2.5 ± 0.25 Nm torque.



⚠ WARNING

Window sash falling out when the grub screw is not tightened.

Unsecured hinge pin (237/939) slips out of the stay hinge (240). The window sash can fall out and cause serious injuries.

- Push hinge pin (237/939) from below into the top hinge (238), washer (239) and stay hinge as far as stop.
- Secure hinge pin (237/939) with **grub screw** in stay hinge (240) (torque 2.5 Nm).

ALU 5100 Maintenance instructions see
Document no.: H49.ALUS001EN

ALU 5100 Service instructions see
Document no.: H47.ALUS001EN

MAINTENANCE INSTRUCTIONS

SIEGENIA
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ALU

Maintenance instructions:
ALU axxent PLUS, ALU 2200, ALU 5100, ALU 5200, ALU-DK/TBT200, ALU-D300,
AU RB/SF

Window systems
Door systems
Comfort systems

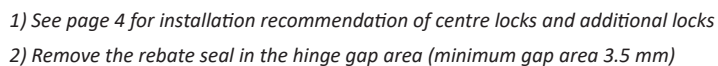
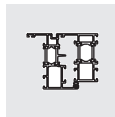
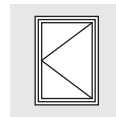
SERVICE INSTRUCTIONS

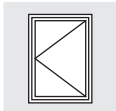
SIEGENIA
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ALU

Service instructions:
ALU axxent PLUS, ALU 2200, ALU 5100, ALU 5200, ALU-DK/TBT200, ALU-D300,
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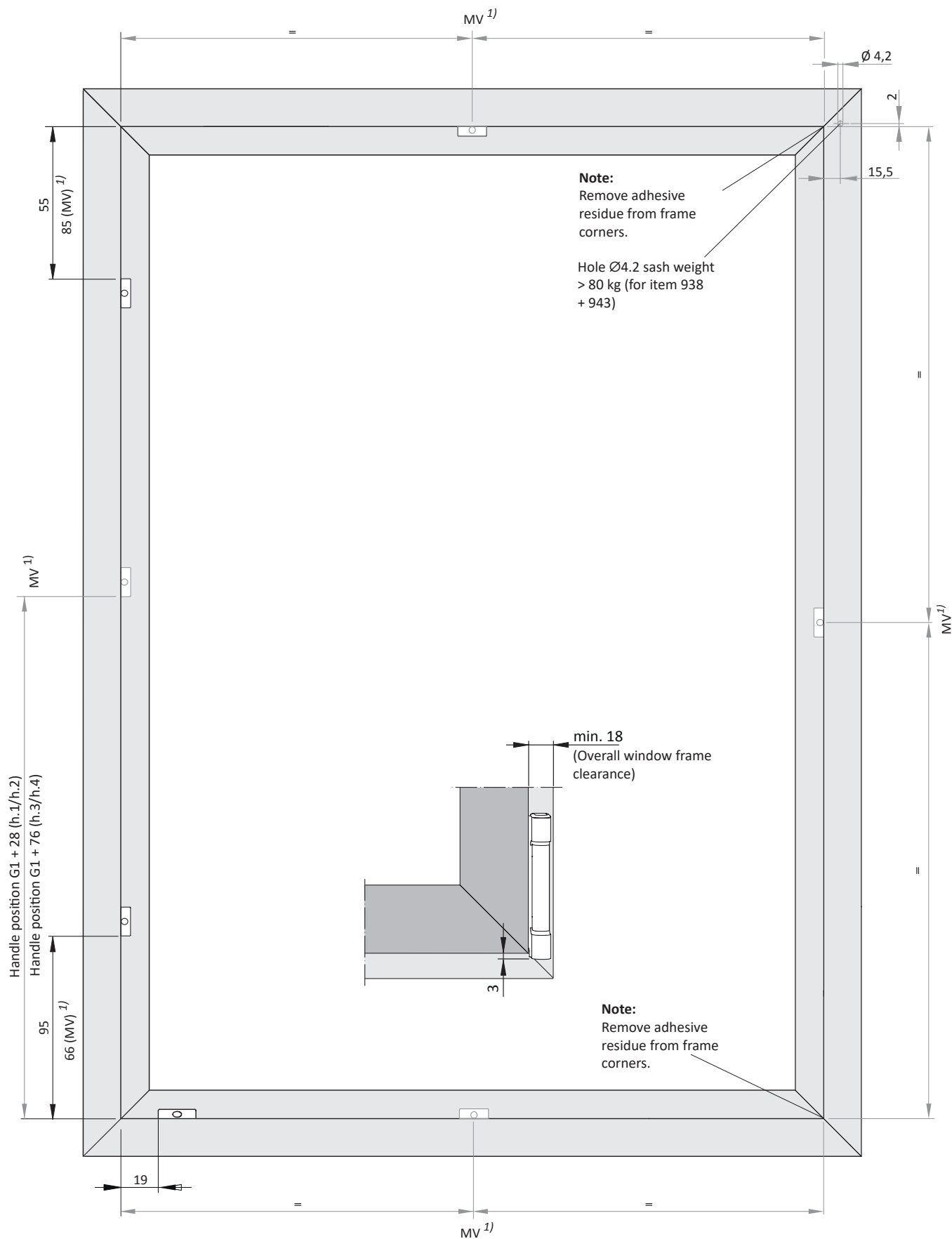
Window systems
Door systems
Comfort systems





Single-sash square turn-only
Hinge side ALU 5100

GS



1) See page 4 for installation recommendation for the centre locks and additional locks