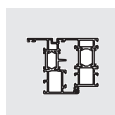
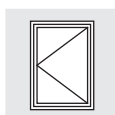


ALU axxent PLUS-D/ZV

Assembly instructions



BD3.5

1-sash concealed square turn-only

Aluminium eurogroove 15/20

Chamber dimension 21

Versions A0004/A0006/A0022

Hinge clearance (BD) 3.5

Size range

		Windows	Door height windw
Sash width	(mm)	900 – 1600	900 – 1300
sash height	(mm)	750 – 2000	2000 – 2800
Sash weight	(kg)	max. 170	max. 170

The following application diagram applies:

-max. 170 kg

Document Nr.: H58.AWDLS017EN

Opening angle:

-max. 90°

The following documentation is required:

-ALU20 profile information

Document Nr.: H45.ALUS001EN

-ALU axxent PLUS-DK/TBT assembly instructions

Document Nr.: H39.axntLS001EN

-ALU maintenance instructions

Document Nr.: H49.ALUS001EN

-ALU service instructions

Document Nr.: H47.ALUS001EN

-ALU operating instructions

Document Nr.: H47.ALUS002EN

-ALU sash brake with damper

Document Nr.: H48.ZubhLS017EN

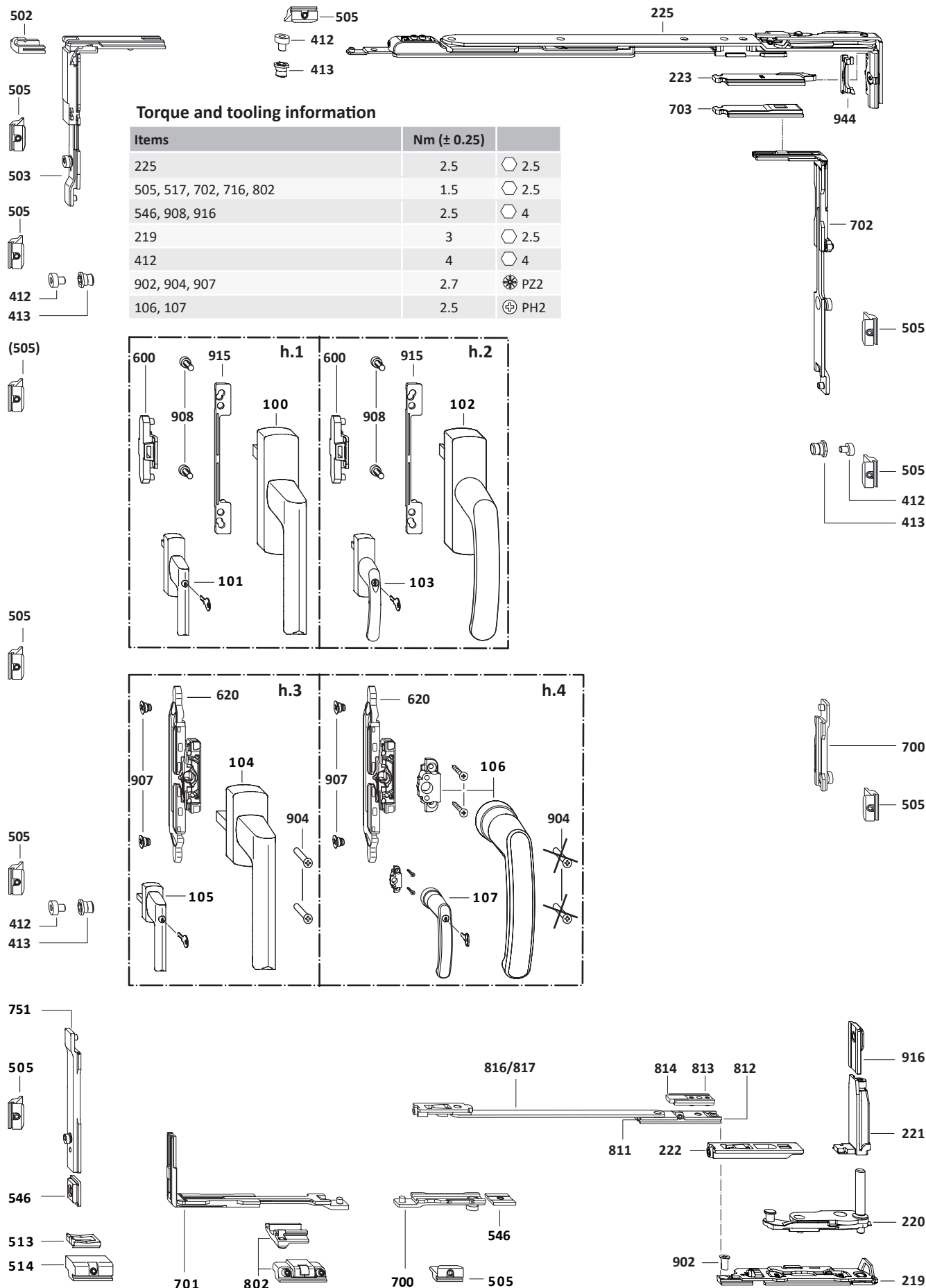
Please observe:

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!



See SIEGENIA download portal for all documentation!





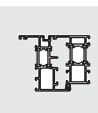
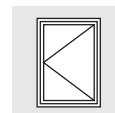
Hardware list

1-sash square turn hinge side ALU axxent PLUS

ALU axxent PLUS

Turn ZV

	Item	piece	Material description		Material number	VE	Material number	VE
h.1	100	1	Handle ALU Si-line	Only use in combination with coupling set	See assembly instructions ALU axxent PLUS in the SIEGENIA download portal			
	101		ALU Si-line lockable handle					
h.2	102		Handle ALU GLOBE					
	103		Handle ALU GLOBE lockable					
h.3	104		Handle TITAN	Only use in conjunction with gear set	□ 7 mm x 25, cam Ø 10 Only use in conjunction with gear set			
	105		Handle TITAN lockable					
h.4	106		Handle ALU GLOBE RR					
	107		Handle ALU GLOBE RR lockable					
		1	BS ALU axxent PLUS-DK A0004 RH size 2		MMBS0311-10001_	1	MMBS0311-10002_	10
			A0004 LH size 2		MMBS0312-10001_	1	MMBS0312-10002_	10
			A0006 RH size 2		MMBS0321-10001_	1	MMBS0321-10002_	10
			A0006 LH size 2		MMBS0322-10001_	1	MMBS0322-10002_	10
	219	1	Bottom hinge RH/LH ALU axxent PLUS	Installation frame				
	220	1	Bottom hinge RH/LH ALU axxent PLUS	Installation sash				
	221	1	Sash hinge BSU RH/LH ALU axxent PLUS					
	222	1	Guiding piece BSU ALU axxent PLUS					
	223	1	Deadbolt BS0 RH/LH ALU axxent PLUS	omitted for MV; replacement by item 703				
	225	0...1	Stay size 2 RH/LH ALU axxent PLUS-DK					
	944	0...1	Accessory set ALU axxent PLUS A0022	Only use in combination with BS ALU axxent PLUS A0006	MZBS0180-10001_	1	MZBS0180-10006_	100
		1	Accessory set ALU axxent PLUS		-	-	MZBS0130-00003_	20
	902	1	Countersunk screw M5 x 13					
	916	1	Long stop					
		1	ALU sash brake with damper long		MSBR0120-10001_	1	MSBR0120-10005_	50
	811	1	Spring					
	812	1	Top hinge block					
	813	1	Stop					
	814	1	Filling piece for end position cushioning					
	817	0...1	Sash brake ALU long					
		1	Locking side ALU-D stop/corner drive VSO	For installation of gear set ALU, items 600 and 908 are omitted.	MMVS0410-10001_	1	MMVS0410-10003_	20
	-	1	Locking bolt DK	N/A				
	502	2	Clamping piece EUL					
	503	1	VSO corner drive					
	505	2	Striker					
	513	1	Run-up block					
	514	1	TBT run-up block					
	546	1	Stop	For travel restriction (mount horizontally from sash width > 1250).				
	600	0...1	coupling bracket	only use in combination with h.1/h.2				
	751	1	Locking bolt					
	908	0...2	Cheese head screw M5 x 12	only use in combination with h.1/h.2				

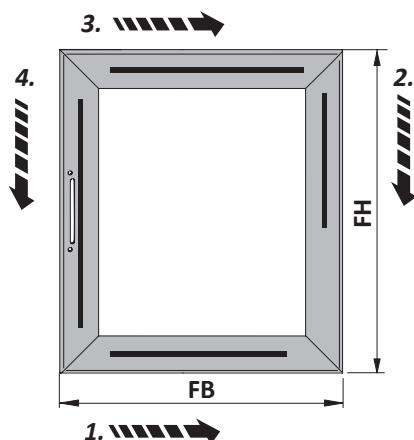


	Item	piece	Material description		Material number	VE	Material number	VE
h.3 h.4		0...1	ALU gear set	Only use in conjunction with h.3/h.4 (see SIEGENIA download portal).	MMGI0090-10001_	1	MMGI0090-10003_	20
	620	1	M6 ESG					
	904	2	Countersunk screw M5 x 35					
	907	2	Coupling screw M6					
depending on system		0...1	MV ALU-VS/BS axxent PLUS	FH > 1250	MMM0060-10001_	1	MMM0060-10003_	20
	505	3	Striker					
	700	1	Slider					
	702	1	Corner drive axxent BSO ALU axxent PLUS					
	703	1	Coupling piece BSO MV ALU axxent PLUS					
		0...4	Locking part ALU	1x FB > 1250 3x FH > 2400	-	-	317556	20
	412	1	Locking cam					
	413	1	Eccentric rivet					
	505	1	Striker					
		0...1	MV ALU-DK/TBT (VSU)	FB > 1250	857045	1	246979	20
	505	2 (1)	Striker					
	700	1	Slider					
	701	1	VSU/BSO corner drive					

Accessories

	802	0...1	Sash lifter ALU	see SIEGENIA download portal	MMFH0010-10001_	1	MMFH0010-10003_	20
	915	0...1	Handle support ALU	only use for h.1/h.2	-	-	see table	200
	-	0...1	Adjusting piece AV grey (± 0.5)	see ALU maintenance instructions	-	-	MBDR0030-09705_	50

Observe assembly sequence!



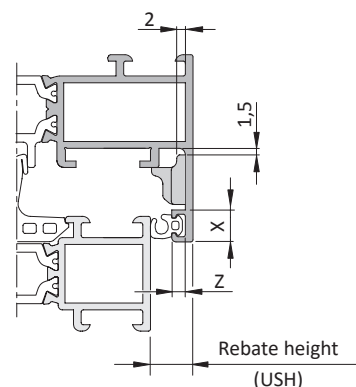
sequence of installation in the sash:

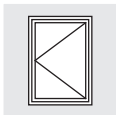
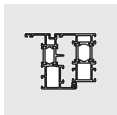
-without centre lock (3. -4.)

-with centre lock (1. -2. -3. -4.)

Design variants of the handle support (915) (h.1/h.2)

USH (mm)	Z (mm)	X ≤ 7 mm	X > 7 ≤ 8.5 mm
7 - 10	≤ 2	MFHA0010-10020_	MFHA0010-10020_
	> 2 ≤ 3		MFHA0020-10020_
	> 3		-
12	-	MFHA0030-10020_	-





Assembly instructions

1-sash square turn-only
hinge side ALU axxent PLUS

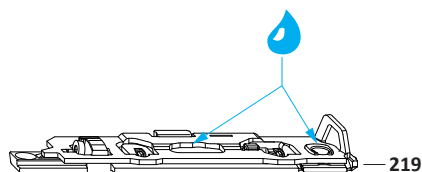
ALU axxent PLUS

Turn ZV

Installation of bottom hinge (219) on the BSU



Notice: grease the bottom hinge (219) before you install the sash!



ALU axxent PLUS-D/DS assembly instructions see Document Nr.: H39.axntLS001EN

ASSEMBLY INSTRUCTIONS

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ALU

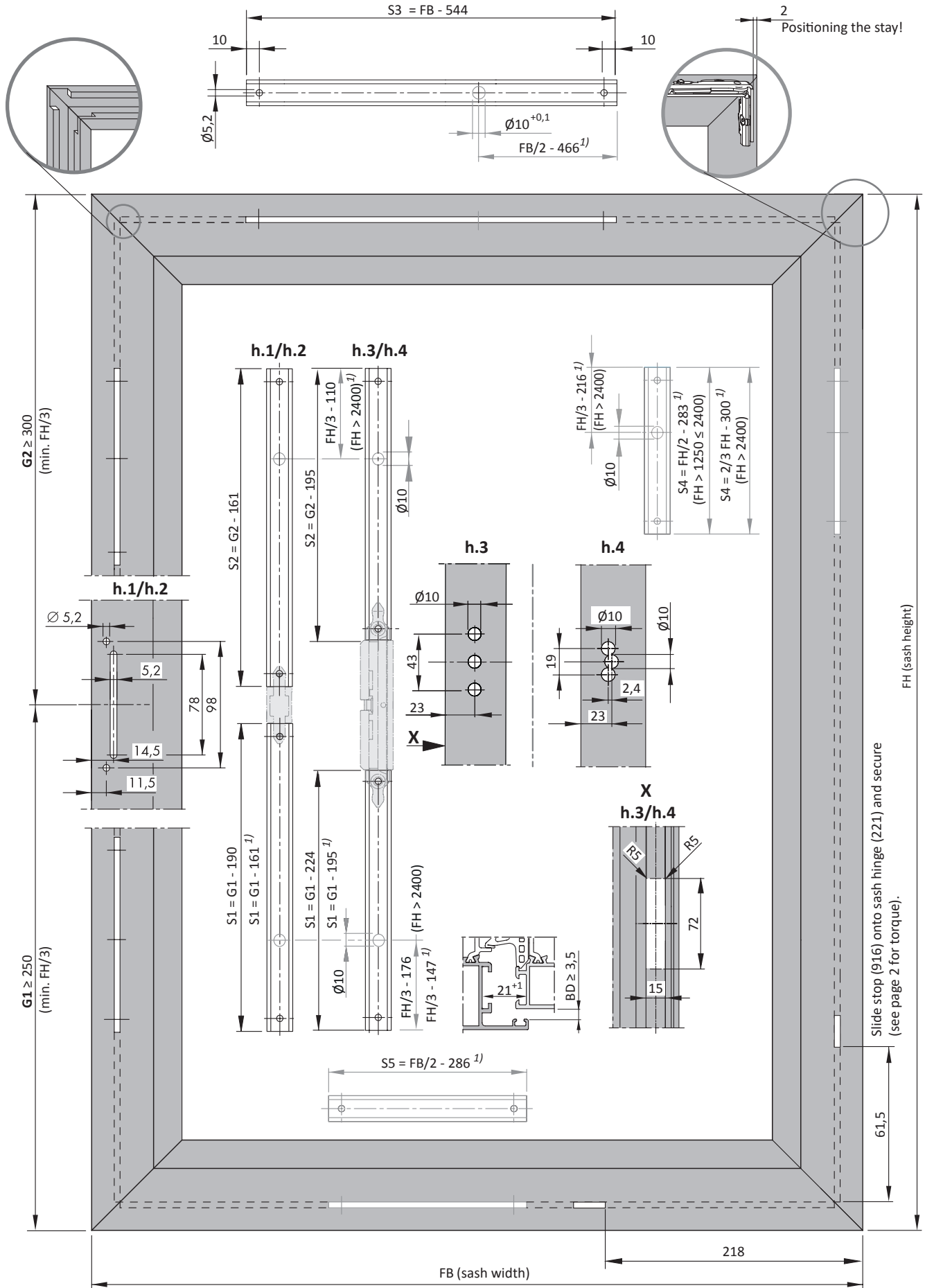
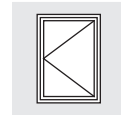
axxent PLUS

Assembly and disassembly instructions:
ALU axxent PLUS-DK/TBT

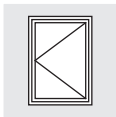
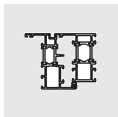
Window systems

Door systems

Comfort systems



1) for MV

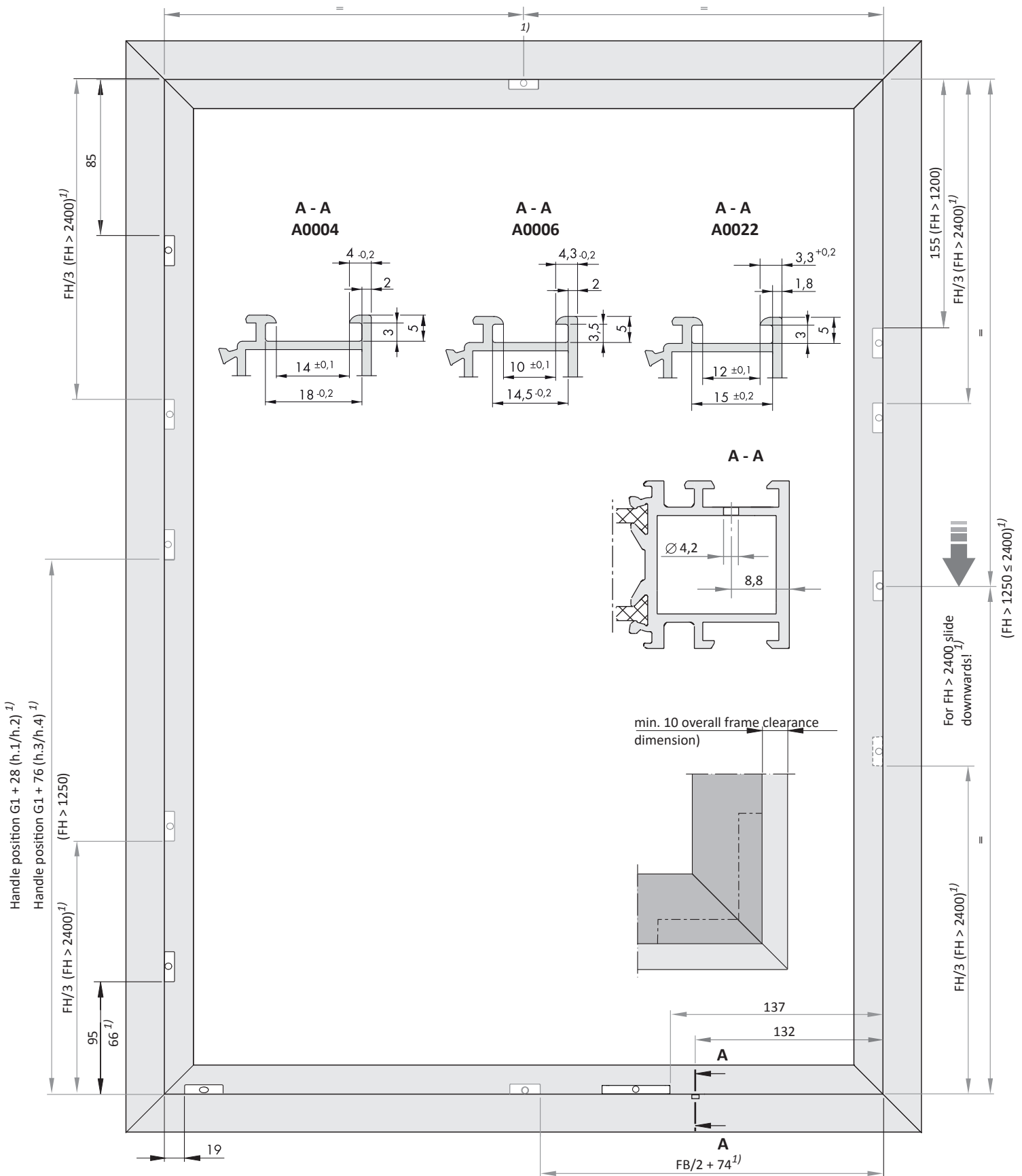


Frame dimensions

1-sash square turn
hinge side ALU axxent PLUS

ALU axxent PLUS

Turn ZV



1) for MV