ALU axxent PLUS-K/ZV

Assembly instructions




BD3.5

1-sash square tilt sash

Aluminium eurogroove 15/20

Chamber dimension 21

Versions A0004/A0006/A0022

Hinge clearance (BD) ≥ 3.5

Size range

		1 tilt only stay	2 tilt only stays
Sash width	(mm)	≥ 535 ≤ 935	> 935 ≤ 1600
Sash height	(mm)	≥ 570 ≤ 2000	≥ 570 ≤ 2000
Sash weight	(kg)	max. 40	max. 100

The following documentation is required:

-Profile information ALU20	Document Nr.: H45.ALUS001EN
-ALU axxent PLUS-K/K-ZV assembly instructions	Document Nr.: H39.axntLS003EN
-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!

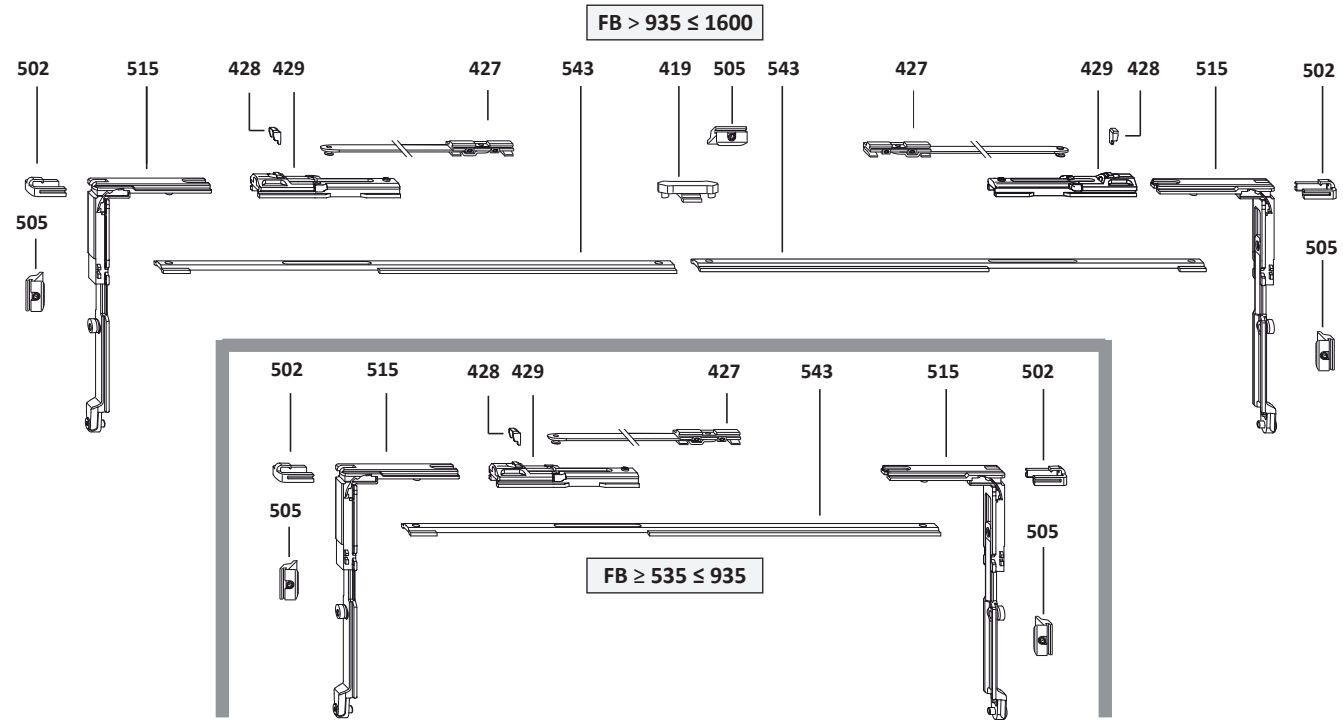
See SIEGENIA download portal for all documentation!

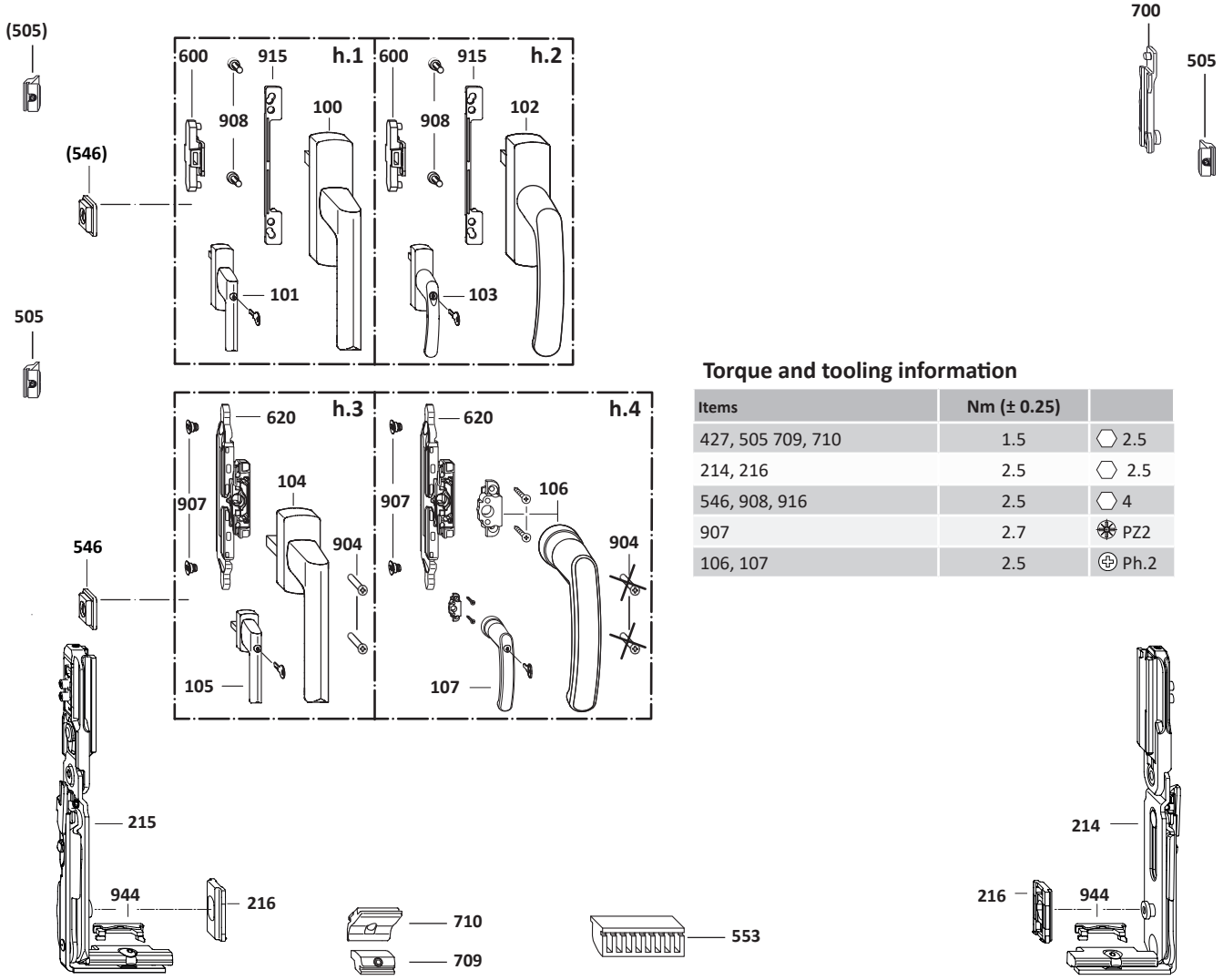
Hardware overview

1-sash square tilt sash with central locking gear
Hinge side ALU axxent PLUS









Torque and tooling information

Items	Nm (± 0.25)	
427, 505 709, 710	1.5	⬡ 2.5
214, 216	2.5	⬡ 2.5
546, 908, 916	2.5	⬡ 4
907	2.7	✱ PZ2
106, 107	2.5	⊕ Ph.2

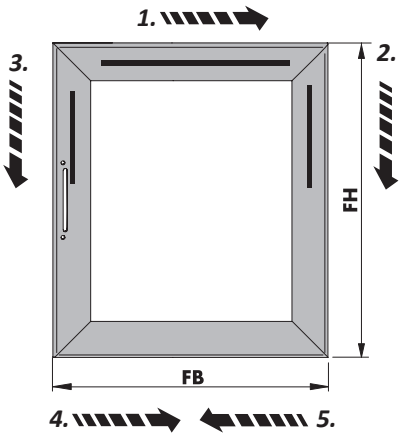
	Item	Pieces	Material description		Material number	VE	Material number	VE
h.1	100	1	**ALU Si-line handle**	Only use in combination with coupling set	See ALU handle overview in the SIEGENIA download portal			
	101		**ALU Si-line lockable handle**					
h.2	102		**ALU Globe handle**					
	103		**ALU GLOBE lockable handle**					
h.3	104		**TITAN handle**	Only use in combination with gear set	□ 7 mm x 25 mm, cam ⌀ 10 mm only use in combination with gear set			
	105		**TITAN lockable handle**					
h.4	106		**ALU Globe RR handle**		See Handle ALU Globe RR in the SIEGENIA download portal			
	107		**ALU Globe RR lockable handle**					
		1	**BS ALU axxent PLUS-K A0004**		**MMBS0410-10001_**	**1**	**MMBS0410-10002_**	**10**
			A0006		**MMBS0420-10001_**	**1**	**MMBS0420-10002_**	**10**
	214	1	Top stay DF BSO ALU axxent PLUS RH					
	215	1	Top stay DF BSO ALU axxent PLUS LH					
	216	2	Sealing plate ALU axxent PLUS-K					
	944	**0...2**	**Accessory set ALU axxent PLUS A0022**	only use in combination with BS ALU axxent PLUS-K A0006	**MZBS0180-10001_**	**1**	**MZBS0180-10006_**	**100**
		1...2	**ALU tilt only stay**	FB ≥ 535 (use 1 tilt sash top stay) FB > 935 (use 2 tilt sash stays)	**848876**	**1**	**239155**	**50**
	427	1	Tilt only stay					
	428	1	Barrier					
	429	1	Stop					
		1	**VS ALU-K/ZV**		**MMZV0030-10001_**	**1**	**MMZV0030-10003_**	**20**
	419	0...1	Locking bolt (FB > 935)					
	502	2	Corner drive EUL					
	505	2...5	Striker (FB/FH see page 6)					
	515	2	Corner drive VSU					
	700	0...1	Slider (FH > 1200)					
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	1	Coupling bracket					
	908	2	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					
	543	**1...2**	**Operating rod**	FB ≥ 535 (use 1 operating rod) FB > 935 (use 2 operating rods)	**848913**	**1**	**239162**	**20**
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					
	553	**0...1**	**Run-up block tilt sash**	FB > 1200	**MFAL0010-00001_**	**1**	**MFAL0010-00005_**	**50**
	Accessories							
	546	**1**	**Stop**	Restricts handle to 90° turn position	**820544**	**1**	**222805**	**10**
	915	**1**	**ALU handle support**	Only use for h.1/h.2	**–**	**–**	see table on page 4	**200**

1) From FB > 1200 use an additional ALU tilt only hinge as a center lock!

Assembly sequence, variants and assembly

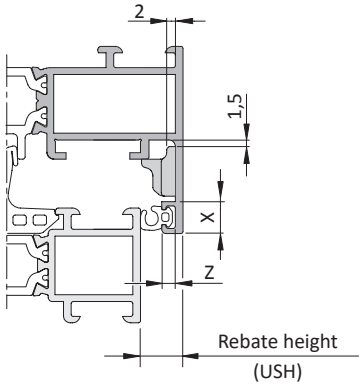
1-sash square tilt sash with central locking gear
Hinge side ALU axxent PLUS

Observe assembly sequence!

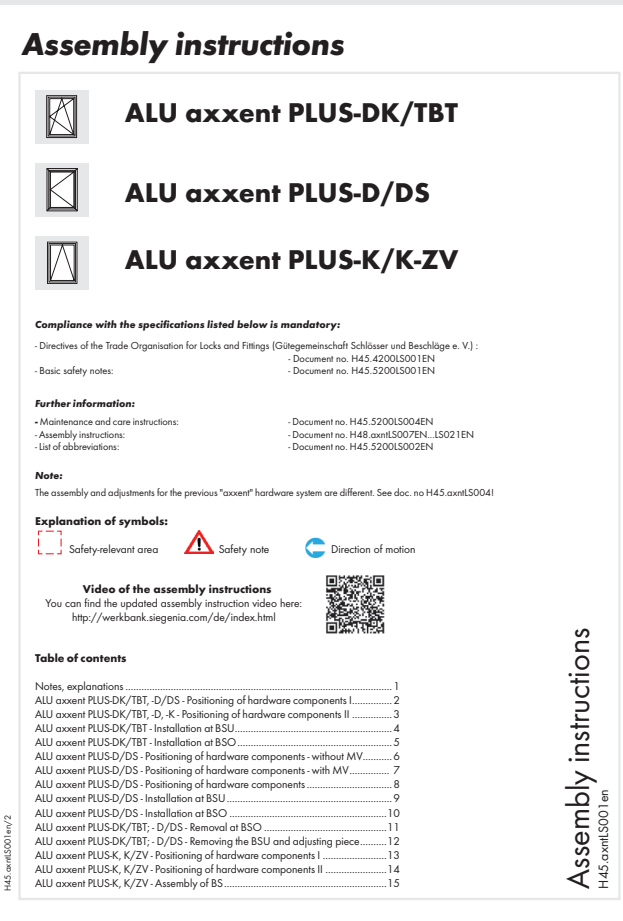


Design variations for handle support (item 915) (h.1/h.2)

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_	-



ALU axxent PLUS K/K-ZV assembly instructions document nr. H45.axntLS001EN



Assembly instructions

ALU axxent PLUS-DK/TBT

ALU axxent PLUS-D/DS

ALU axxent PLUS-K/K-ZV

Compliance with the specifications listed below is mandatory:

- Directives of the Trade Organisation for Locks and Fittings (Gütegemeinschaft Schlösser und Beschläge e. V.) : - Document no. H45.4200LS001EN
- Basic safety notes: - Document no. H45.5200LS001EN

Further information:

- Maintenance and care instructions: - Document no. H45.5200LS004EN
- Assembly instructions: - Document no. H48.axntLS007EN...LS021EN
- List of abbreviations: - Document no. H45.5200LS002EN

Note:

The assembly and adjustments for the previous "axxent" hardware system are different. See doc. no H45.axntLS004!

Explanation of symbols:

Safety-relevant area · Safety note · Direction of motion

Video of the assembly instructions
You can find the updated assembly instruction video here:
http://werkbank.siegenia.com/de/index.html

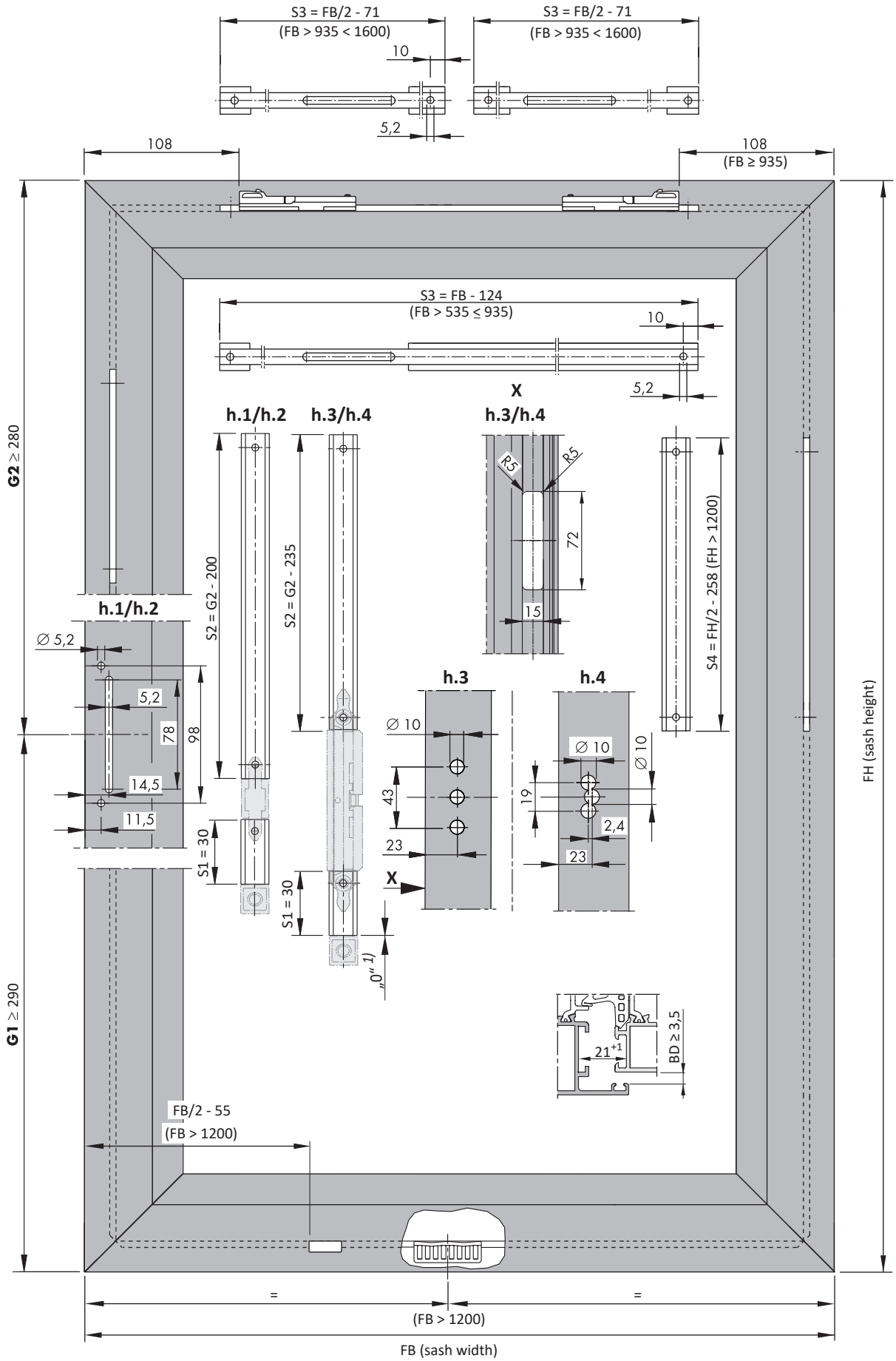
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Assembly instructions
H45.axntLS001en

H45.axntLS001en/v2

09.2017 SIEGENIA



1) Pos. 546: install with handle in turn-position

Frame dimensions

1-sash square turn with central locking gear
Hinge side ALU axxent PLUS

