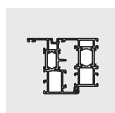
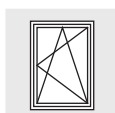


ALU 5200-DK

Assembly instructions



BD5

Single sash square turn and tilt

Aluminium eurogroove 15/20

Chamber dimension 21

Versions A0004/A0006/A0022

Hinge clearance (BD) 5

Mishandling device in the corner drive (FBS-EUL)

Horizontal tilt point (KPW)

Size range

		Windows	Patio doors
Sash width	(mm)	450 – 1600	600 – 1300
Sash height	(mm)	600 – 2000	2000 – 2600
Sash weight	(kg)	max. 100/150	max. 100/150

The following application diagrams apply:

-max. 100 kg

document Nr.: H58.AWDLS003EN

-max. 150 kg

document Nr.: H58.AWDLS005EN

The following documentation is required:

-Profile recommendation ALU20

document Nr.: H45.ALUS001EN

-ALU Maintenance instructions

document Nr.: H49.ALUS001EN

-ALU Service instructions

document Nr.: H47.ALUS001EN

-ALU Operating instructions

document Nr.: H47.ALUS002EN

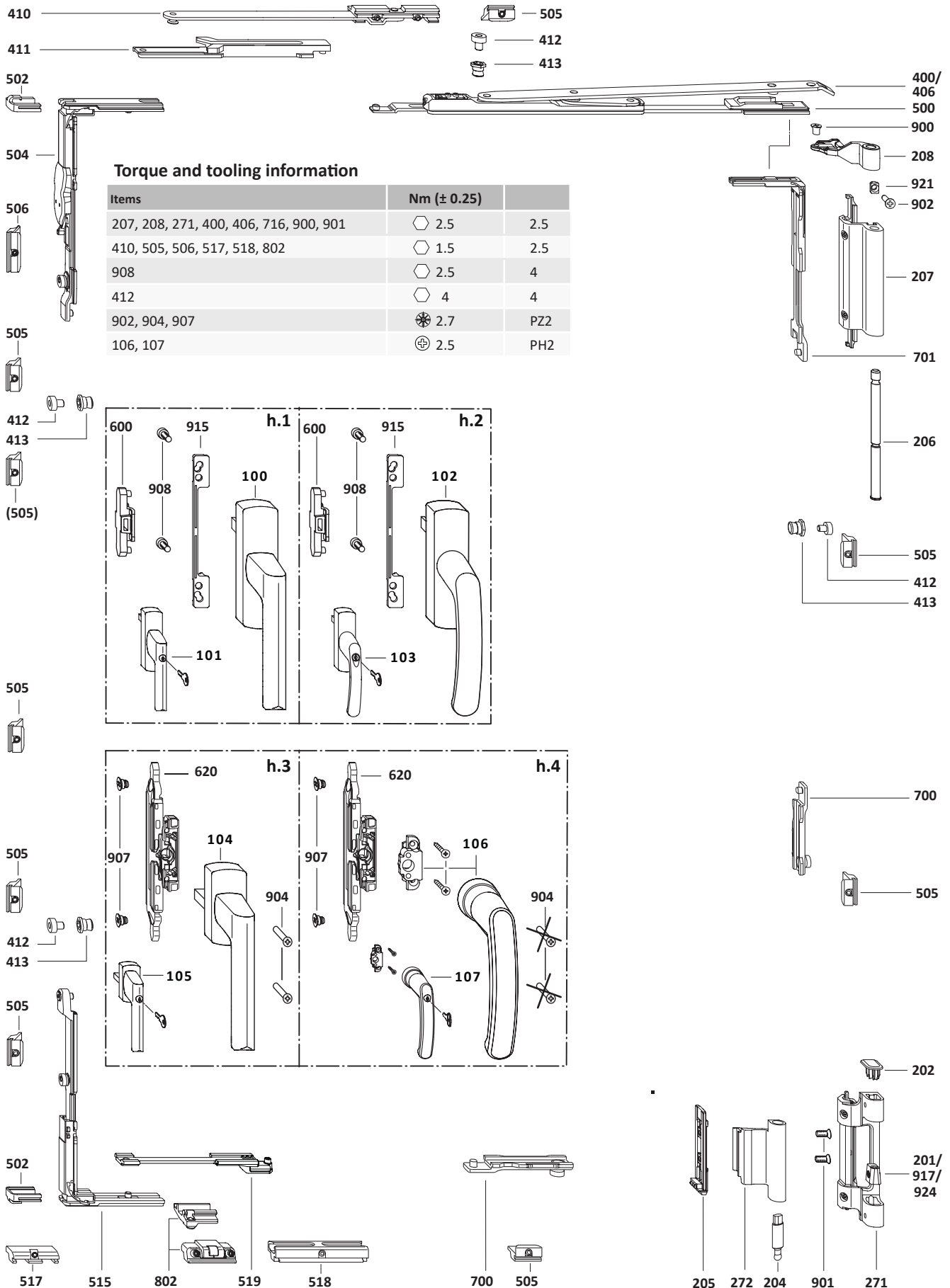
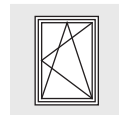
Please observe:

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!



See SIEGENIA download portal for all documentation!





Hardware list

Single sash square turn and tilt
hinge side ALU 5200 150 kg BD5

ALU 5200

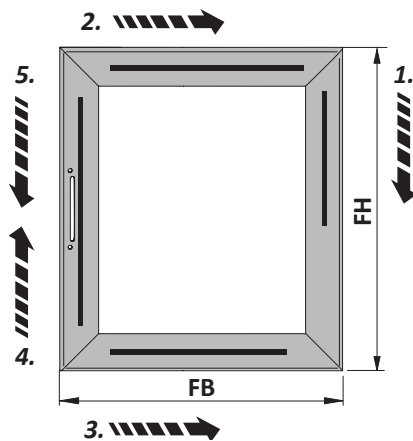
FBS-EUL

	Item	Pieces	Material description		Material number	VE	Material number	VE
h.1	100	1	ALU Si-line handle		See handle overview in 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 mm, cam Ø 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 download portal			
	107		ALU Globe RR lockable handle					
		1	Hinge side ALU 5200 BD5 <i>(only for hinge clearance ≥ 5 ≤ 7)</i>	Silver	MMBS0230-52501_	1	MMBS0230-52502_	10
				RAL 9010	MMBS0230-50301_	1	MMBS0230-50302_	10
				RAL 9016	MMBS0230-50401_	1	MMBS0230-50402_	10
				RAL 9005	MMBS0230-52301_	1	MMBS0230-52302_	10
				EV 1	MMBS0230-52401_	1	MMBS0230-52402_	10
				Mill finish	–	–	MMBS0230-50012_	5
	201	1	Adjusting piece	(replaced by item 924 with sash weight >100 kg)				
	202	1	Cover cap					
	204	1	Bottom hinge pin					
	205	1	Clamping piece E					
	206	1	Hinge pin					
	207	1	Top hinge					
	208	1	Stay hinge					
	271	1	Bottom hinge ALU 5200-150 RH/LH.					
	272	1	Corner hinge ALU 5200-150 RH/LH.					
	900	1	Countersunk screw M5 x 7.5					
	901	2	Countersunk screw M5 x 8.5					
		1	Accessories set ALU BD5 150 kg	> 100 kg	–	1	MZBS0110-00003_	20
	902	1	Countersunk screw M5 x 13					
	921	1	Supporting piece					
	924	1	Adjusting piece S					
	400	0...1	Top stay ALU 5200 size 1	FB > 450 ≤ 600 ≤ 100 kg	MSKK0290-00001_	1	MSKK0290-00003_	20
	406	0...1	Top stay ALU 5200 size 2	FB > 600 ≤ 1600	MSKK0300-00001_	1	MSKK0300-00003_	20
		0...1	ALU additional stay	FB > 1250 FB > 1020 > 100 kg	857076	1	247006	10
	410	1	Additional stay					
	411	1	Striker plate					
	412	1	Locking cam					
	413	1	Eccentric rivet					
		1	Locking side ALU DK FBS-EUL (KPW)		MMVS0450-10001_	1	MMVS0450-10003_	20
	500	1	Locking bolt DK					
	502	2	Clamping piece EUL					
	504	1	Corner drive VSO-FBS					
	505	1	Striker					
	506	1	Striker EUL					
	515	1	Corner drive VSU					
	517	1	Run-up block					
	518	1	Tilt locking part					
519	1	Tilt lock DK						
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	VE	Material number	VE	
system-dependent		0...1	MV ALU-DK/TBT	FH > 1250	857045	1	246979	20
	505	2	Striker					
	700	1	Slider					
	701	1	VSU/BSO corner drive					
dependent on system		0...3	Locking part ALU	Sash height > 2400	–	–	317556	20
	412	1	Locking cam					
	413	1	Eccentric rivet					
	505	1	Striker					
		0...1	MV ALU slider	FB > 1250	MMM0070-10001_	1	MMM0070-10003_	20
	505	2	Striker					
	700	1	Slider					
Accessories	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
	917	0...1	Adjusting piece AV	For compression + 0.5 mm	MXBS0100-00001_		MXBS0100-00002_	10
	-	0...1	Jig ALU 5200 additional screw connection	for countersunk screw M5 x 13 (item 902) and supporting piece (item 921) > 100 kg (see page 7)	MARB0050-00001_	1	–	–

Observe assembly sequence!

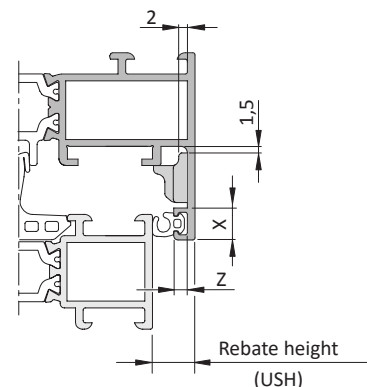


sequence of installation in the sash:

- without centre lock (2. -3. -4. -5.)
- with centre lock (1. -2. -3. -4. -5.)

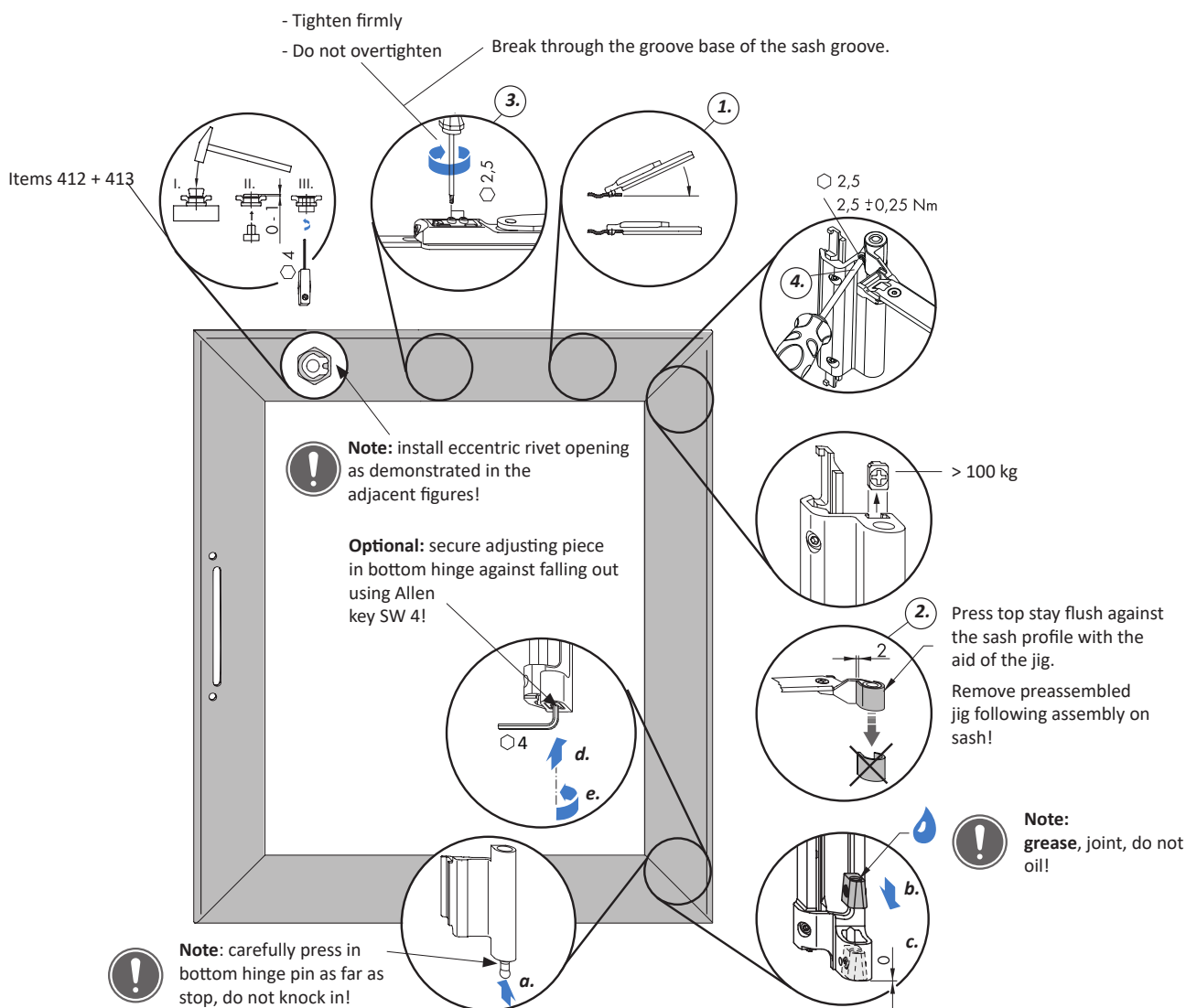
Design variations for handle support
(item 915) (h.1/h.2)

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_	-

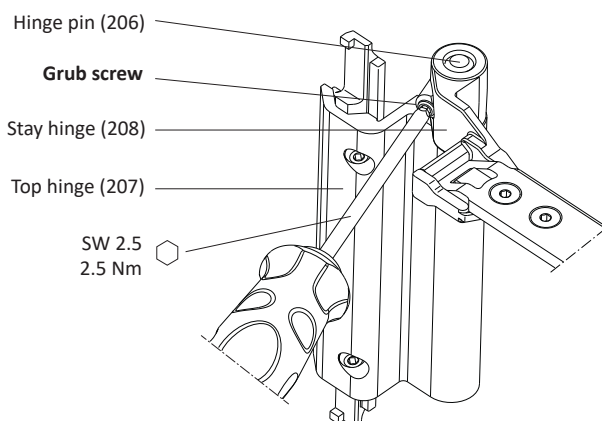




Assembly settings, installation sequence and warning notes!



BSO



WARNING

Falling window sash when the grub screw is not tightened

Unsecured hinge pin (206) slips out of stay hinge (208) and can cause serious injuries.

- Press hinge pin (206) upwards into the top hinge (206) and push stay hinge (208) as far as stop.
- Secure hinge pin (206) with grub screw in stay hinge (208) (torque 2.5 Nm).