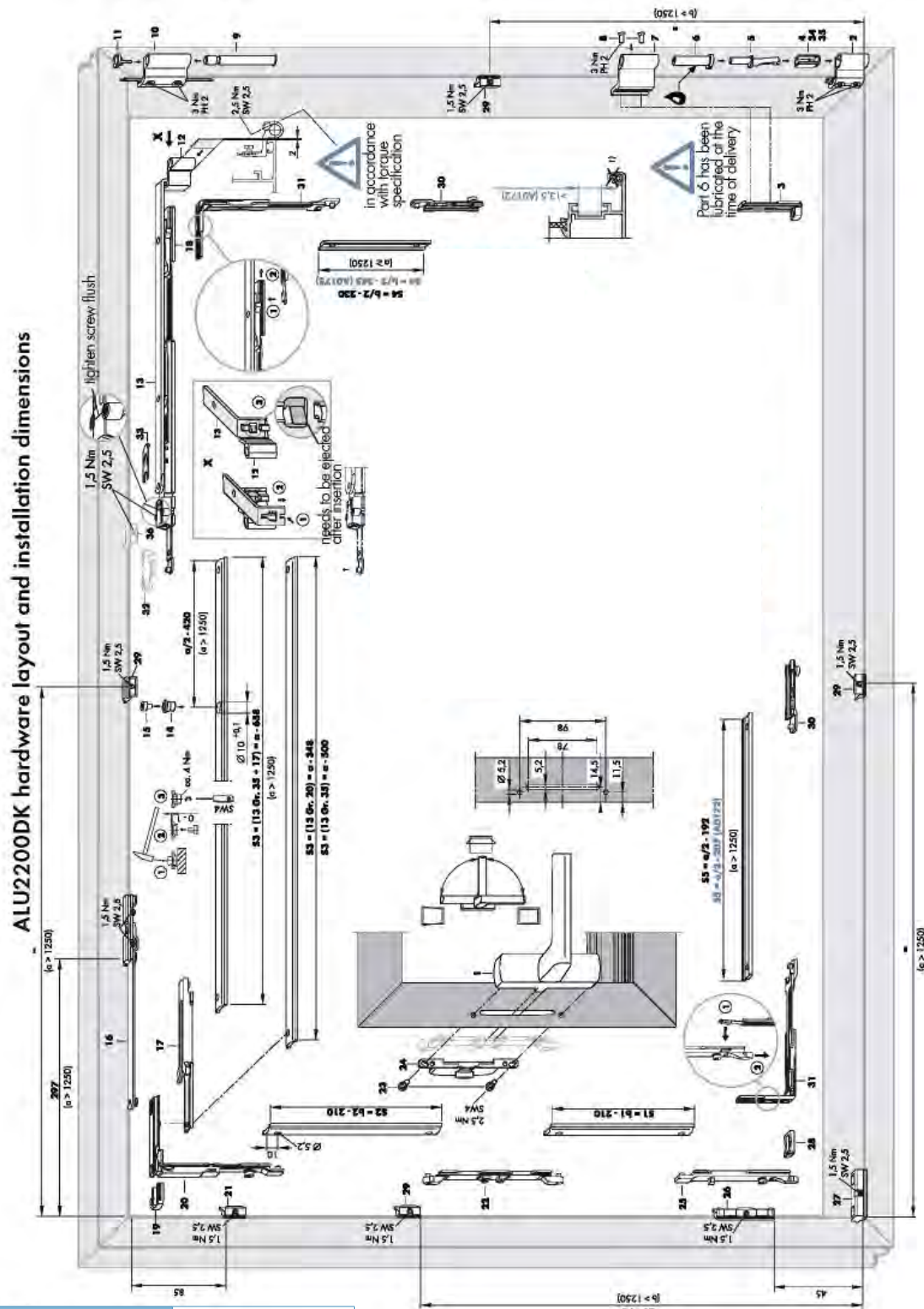


ALU 2200-DK Tilt & Turn

Product information

Suitable for sash weights up to 80kg, comprehensive range of accessories available, and the non-handed hinge side enables the system to be universally applicable.



sash width (mm)	375 - 1600
sash height (mm)	550 - 2400
sash weight (kg)	max 80

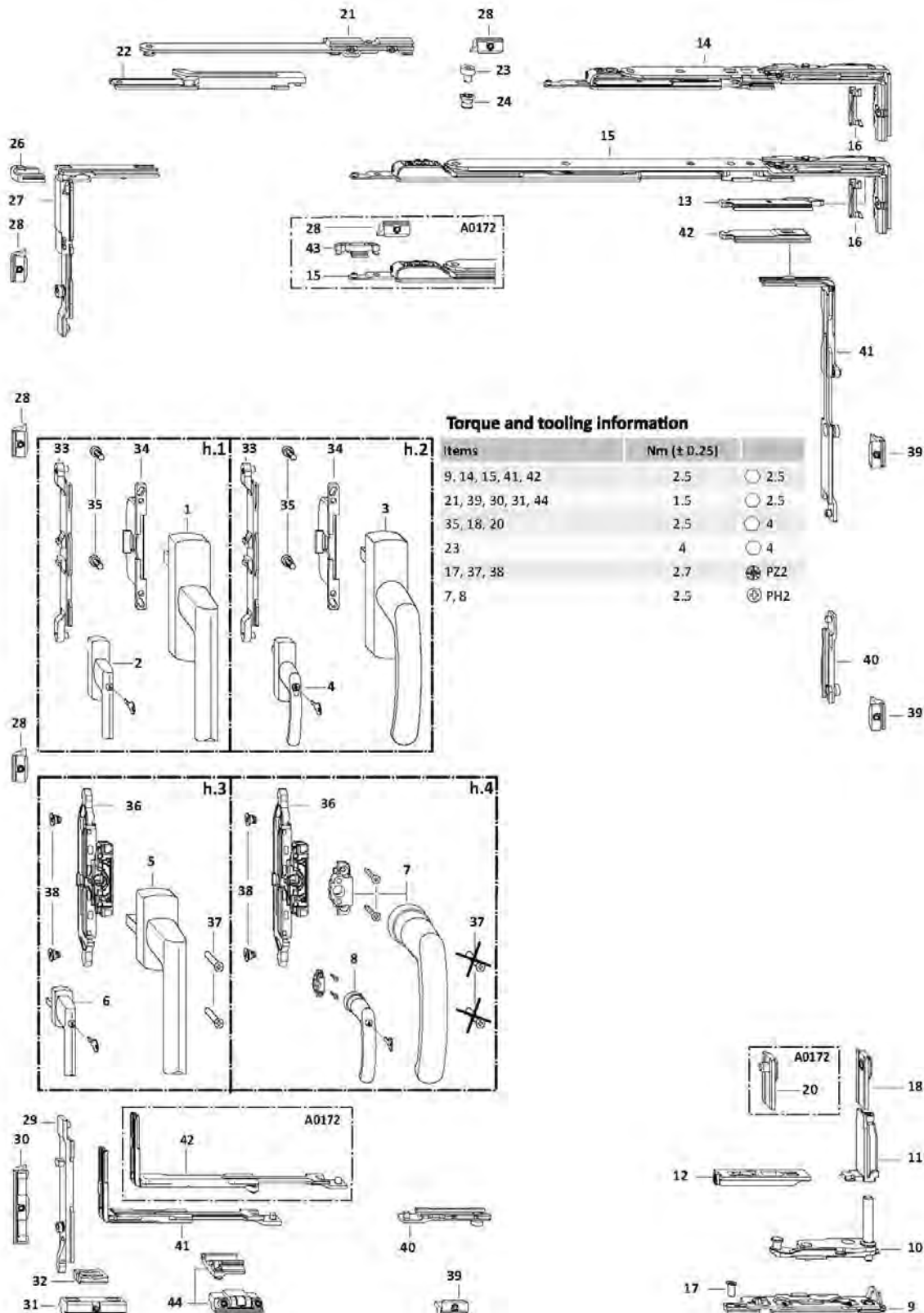
ALU 2200-DK Tilt & Turn - continued

	drawing number	description		part number	quantity	remark
normal parts	2-12	BS ALU 2200	silver	NHSS0050-5K7020	1	
			white	NHSS0050-504020	1	
			black	NHSS0050-523020	1	
			silver	MMBS0060-5K720Z	1	
			white	MMBS0060-504020	1	
			brown	MMBS0060-533020	1	
			black	MMBS0060-523020	1	
			titan matt dark	NMBS6010-535020	1	
	13	stay ALU 2200 1) use additional stay ALU	size a 20 375-600 35 601-1250 35 ¹⁾ 1251-1600	MSKK0010-000030 MSKK0210-000030 MSKK0210-000030	1	
	14-17	additional stay	lock sleeve	247006	1	
			lock		1	
			additional stay		1	
			locking		1	
	18	locking bolt DK		317464	1	
	19-27	locking sides	ALU corner drive	220603	1	
			ALU striker	266533	1	
			coupling bracket A0102	MFKL0040-100060	1	
			handle screw M5X16	NDNA0380-000010	2	
			mishandling device	NFFB0010-100060	1	
			ALU tilt lock	254219	1	
			ALU striker E	254516	1	
			tilt locking part	254486	1	
			run up block	254479	1	
	28-30	MV	block	246979	1	
			MV VSU/BSO		1	
			striker		2	
	31	MV stay striker	refer to the installation instruction	MXSK0010-100030	1	
	32	ALU 2200 tilt restrictor	only Gr.35 stay	MXSK0030-000200	1	
	33	SV R.H pressure piece	side adjustment 0.8 mm	MBDR0021-100060	1	
	34	SV L.H pressure piece	side adjustment 0.8 mm	MBDR0022-100060	1	
	35	striker	only Gr.35 stay	265413	1	

ALU Axxent Concealed Tilt & Turn

Product information

Suitable for sash weights up to 150kg, reduced assembly times, 3D adjustability, and also suitable for extremely narrow window widths of only 170mm in turning sashes and 380mm in tilt & turn sashes.



ALU Axxent Concealed Tilt & Turn - continued

	drawing number	quantity	description		Part number	P/U	Part number	P/U
h.1	1	1	ALU Siline handle		See assembly instructions ALU handle overview in the SIEGENIA download portal			
	2		ALU Siline lockable handle	(Only use in combination with coupling set)				
h.2	3		ALU Globe handle					
	4		ALU GLOBE lockable handle					
h.3	5		TITAN handle		□ 7 mm x 25 mm, cam Ø 10 mm only use in combination with gear set			
	6		TITAN lockable handle	(Only use in combination with gear set)				
h.4	7		ALU Globe RR handle		See assembly instructions Handle ALU Globe RR in the SIEGENIA download portal			
	8		ALU Globe RR lockable handle					
		1	BS ALU axcent PLUS-DK A0004 RH size 1	FB 600 ≤ 100 kg	MMBS0281-10001_	1	MMBS0281-10002_	10
			A0004 LH size 1		MMBS0282-10001_	1	MMBS0282-10002_	10
			A0004 RH size 2	FB > 600	MMBS0311-10001_	1	MMBS0311-10002_	10
			A0004 LH size 2		MMBS0312-10001_	1	MMBS0312-10002_	10
			A0006 RH size 1	FB 600 ≤ 100 kg	MMBS0291-10001_	1	MMBS0291-10002_	10
			A0006 LH size 1		MMBS0292-10001_	1	MMBS0292-10002_	10
			A0006 RH size 2	FB > 600	MMBS0321-10001_	1	MMBS0321-10002_	10
			A0006 LH size 2		MMBS0322-10001_	1	MMBS0322-10002_	10
	9	1	Bottom hinge right/left ALU axcent PLUS	(Installation frame)				
	10	1	Bottom hinge right/left ALU axcent PLUS	(Installation sash)				
	11	1	Sash hinge BSU right/left ALU axcent PLUS					
	12	1	Guiding piece BSU ALU axcent PLUS					
	13	1	Deadbolt BS0 right/left ALU axcent PLUS	(omitted for MV) (replacement by item 703)				
	14	0...1	Top stay size 1 right/left ALU axcent PLUS-DK					
	15	0...1	Top stay size 2 right/left ALU axcent PLUS-DK					
	16	0...1	Accessory set ALU axcent PLUS A0022	Only use in combination with BS ALU axcent PLUS A0006	MZBS0180-10001_	1	MZBS0180-10006_	100
		0...1	Accessory set ALU axcent PLUS	> 100 kg	-	-	MZBS0130-00003_	20
	17	1	Countersunk screw M5 x 13					
	18	1	Long stop					
		0...1	Accessory set ALU axcent PLUS A0172	> 100 kg with recessed sash groove -0.5 to -3 (see page 4, fig. 2)	-	-	MZBS0190-00003_	20
	17	1	Countersunk screw M5 x 13					
	20	1	Stop A0172					
		0...1	ALU additional stay	FB > 1250 FB > 1020 > 100 kg	857076	1	247006	10
	21	1	Additional stay					
	22	1	Striker plate					
	23	1	Locking cam					
	24	1	Eccentric rivet					
		1	ALU DK FBS-G KPS locking side		MMVS0250-10001_	1	MMVS0250-10003_	20
		1	Locking bolt DK (not required)					
	26	1	Clamping piece EUL					
	27	1	VSO corner drive					
	28	1	Striker					
	29	1	Tilt lock cam 10					
	30	1	E striker cam 10					
	31	1	Tilt locking part					
	32	1	Run-up block					

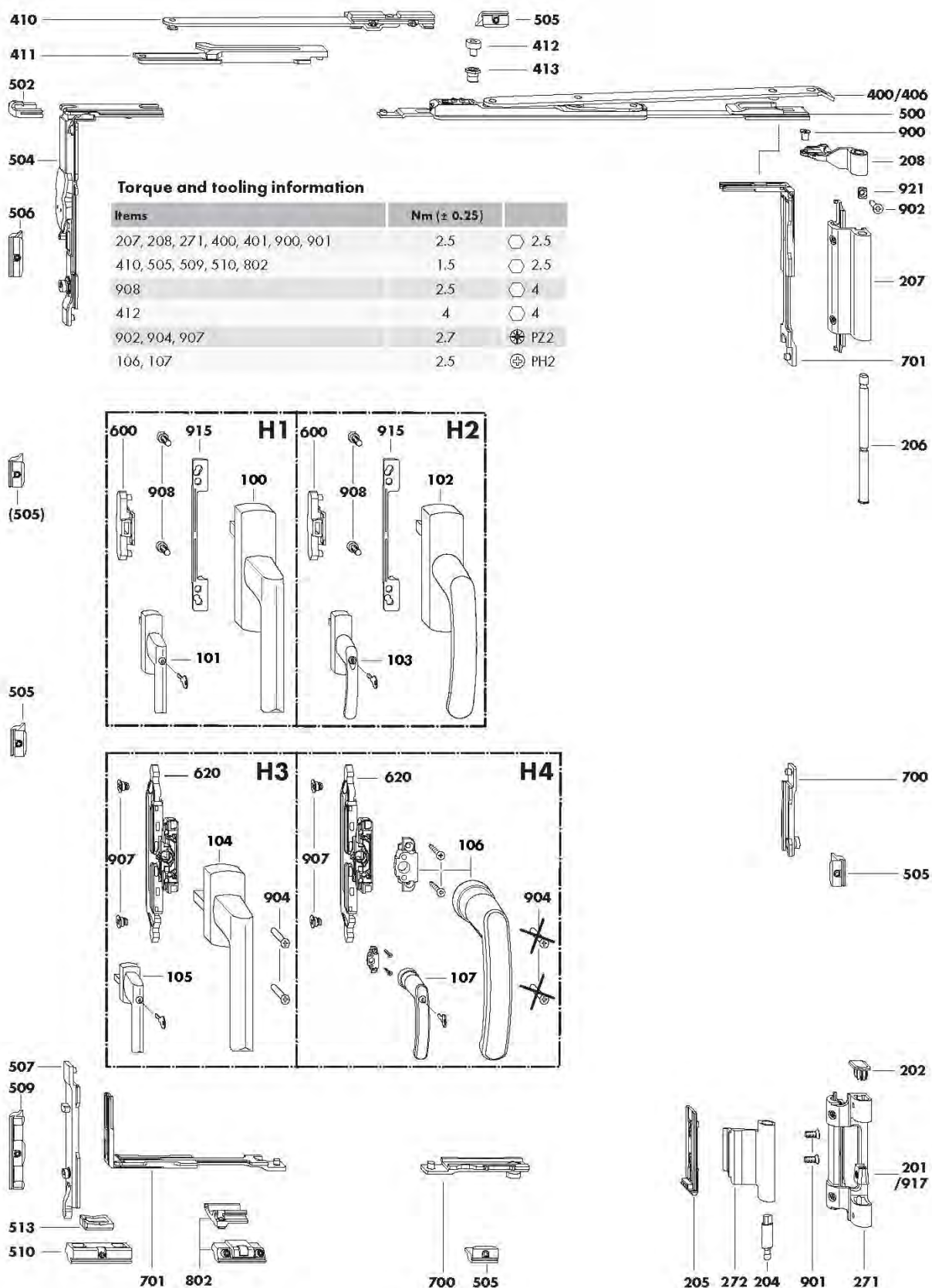
ALU Axxent Concealed Tilt & Turn - continued

	drawing number	quantity	description			Part number	P/U	Part number	P/U
h.1 h.2		0...1	Coupling set ALU FBS-G	Y ≥ 9 < 10	(Only use in combination with h.1/h.2)(see page 4 for note on rebate height (USH) and for dimension Y)	MMKL0030-10001_	1	MMKL0030-10003_	20
				Y ≥ 10		MMKL0010-10001_	1	MMKL0010-10003_	20
	33	1	Coupling bracket						
	34	1	Anti-mishandling device						
	35	2	Cheese head screw M5 x 12						
h.3 h.4		0...1	Gear set ALU FBS-G		(Only use in combination with H3/H4)(see document Nr. H48. ZubhLS005en)	MMGI0080-10001_	1	MMGI0080-10003_	20
	36	1	ESG M6 FBS						
	37	2	Countersunk screw M5 x 35						
	38	2	Coupling screw M6						
depending on system		0...1	MV ALU-VS/BS axxent PLUS	Sash height > 1250		MMM0060-10001_	1	MMM0060-10003_	20
	39	3	Striker						
	40	1	Slider						
	41	1	Corner drive axxent BSO ALU axxent PLUS						
	42	1	Coupling piece BSO MV ALU axxent PLUS						
		0...2	MV ALU-DK/TBT (VSU)	FB > 1250		857045	1	246979	20
	43	2	Striker						
	40	1	Slider						
Recessed groove dependent on system		0...2	MV ALU-DK/TBT A0172	FB > 1250 with sunken sash groove from a width >13.5(see page 4,fig. 1)		MMM0050-10001_	1	MMM0050-10003_	20
	39	2	Striker						
	40	1	Slider						
	42	1	Corner drive VSU/BSO A0172						
	43	0...1	MV stay striker	FB > 600 only use with top stay size 2 RH/LH ALU axxent PLUS-DK (225) and striker (505) (see pg. 5).		MXSK0010-10001_	1	MXSK0010-10003_	20
Accessories									
	44	0...1	Sash lifter ALU	(see drawing no. H48. ZubhLS014en)		MMFH0010-0001_	1	MMFH0010-10003_	20
	45	0...1	ALU handle support	Only use for h.1/h.2		-	-	(see table)	200
	-	0...1	Sash brake ALU axxent PLUS short	FB > 600 ≤ 1000 (see H48.ZubhLS017en)		MSBR0150-10001_	1	MSBR0150-10005_	50
	-	0...1	Sash brake ALU long	FB > 1000 ≤ 1600 (see H48.ZubhLS017en)		MSBR0120-10001_	1	MSBR0120-10005_	50
	-	0...1	Adjusting piece AV grey(±0.5)	(see ALU maintenance instructions)		-	-	MBDR0030-09705_	50

ALU Tilt & Turn 5200-DK (130kg)

Product information

Tilt & turn hardware for hinge clearance (BD) 5mm with mishandling device (FBS) on the corner drive (EUL).



ALU Tilt & Turn 5200-DK (130kg) - continued

	Item	Piece	Designation		Material no.	VE	Material no.	VE	
H1	100	1	Handle ALU SI-line		See ALU handle overview, document no.: H48.ZubhLS007en in ALU planning manual				
	101		ALU SI-line lockable						
H2	102		ALU Globe	Only use in combination with coupling set					
	103		ALU Globe lockable						
H3	104		TITAN	□ 7 mm x 25, cam Ø 10 mm Only use in combination with gear set					
	105		TITAN lockable						
H4	106		ALU Globe RR	Only use in combination with gear set					
	107	ALU Globe RR lockable							
		1	Hinge side ALU 5200 BD 5	silver	MMBS0230-52501_	1	MMBS0230-52502_	10	
				white RAL 9010	MMBS0230-50301_	1	MMBS0230-50302_	10	
				white RAL 9016	MMBS0230-50401_	1	MMBS0230-50402_	10	
				black RAL 9005	MMBS0230-52301_	1	MMBS0230-52302_	10	
				EY I	MMBS0230-52401_	1	MMBS0230-52402_	10	
				Mill finish	-	1	MMBS0230-50012_	5	
	201	1	Adjusting piece						
	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	Corner hinge ALU 5200-150 r/l							
272	1	Bottom hinge ALU 5200-150 r/l							
900	1	M5 x 7.5 countersunk screw							
901	2	M5 x 8.5 countersunk screw							
depending on FB/kg	400	0...1	Top stay ALU size 20	Sash width > 365 ≤ 600 weight ≤ 100 kg	884805	1	273098	20	
	401	0...1	Top stay ALU size 35	Sash width > 600 ≤ 1600	884782	1	314203	20	
		0...1	Additional stay ALU	Sash width > 1250 with top stay size 35 ≤ 100 kg Sash width > 1020 with top stay size 35 > 100 kg ≤ 130 kg	857076	1	247006	10	
	410	1	Additional stay						
	411	1	Striker plate						
	412	1	Locking cam						
	413	1	Eccentric rivet						
	depending on kg		0...1	Accessories set ALU for 130 kg	> 100 kg	-	1	247037	20
		902	1	M5 x 13 countersunk screw					
		921	1	Supporting piece					
			1	Locking side ALU DK (with FBS on corner drive) KPS		MMVS0310-10001_	1	MMVS0310-10003_	20
		500	1	DK locking bolt					
502		1	EUL clamping piece						
504		1	Corner drive, VSO-FBS						
506		1	Striker EUL						
507		1	Tilt lock cam, T0						
509		1	E striker cam T0						
510		1	Tilt locking part						
513		1	Run-up block						
H1/H2			0...1	Coupling set ALU (without FBS on gear)	Only use in combination with H1/H2	MMKL0060-10001_	1	MMKL0060-10003_	20
	600	1	ALU coupling bracket						
	908	2	M5 x 12 cheese head screw						
H3/H4		0...1	Gear set ALU (without FBS on gear)	Only use in combination with H3/H4 (see drawing no. H48.ZubhLS005en)	MMGI0090-10001_	1	MMGI0090-10003_	20	
	620	1	M6 ESG						
	904	2	M5 x 35 countersunk screw						
	907	2	M6 coupling screw						
dependent on system		0...2	MV ALU-DK/TBT	FB/FH > 1250 (recommendation)	857045	1	246979	20	
	505	2	Striker						
	700	1	Slider						
	701	1	VSI U/BSQ corner drive						

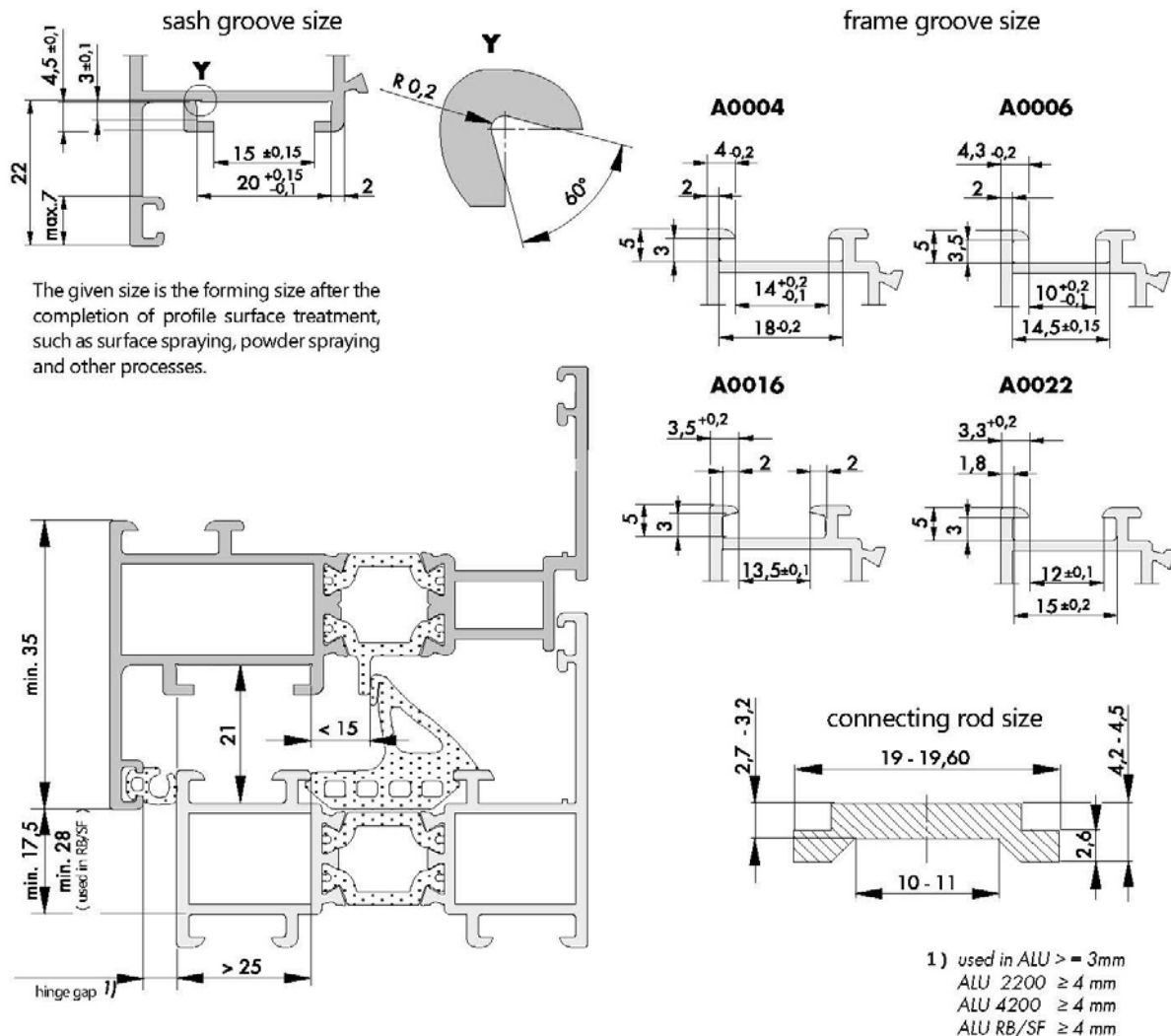
ALU Tilt & Turn 5200-DK (130kg) - continued

Accessories	802	0...1	Sash lifter ALU	(see drawing no. H48.ZubhLS014en)	MMFH0010-10001_	1	MMFH0010-10003_	20
	915	0...1	Handle support ALU	Only use in combination with H1/H2	-	-	See table on page 4	200
	917	0...1	AV adjusting piece	for compression + 0.5	MXBS0100-00001_	1	MXBS0100-00003_	20
	-	0...1	Jig ALU 5200 additional screw connection	for items 921 and 902 (> 100 kg; see page 6)	MARB0050-00001_	1	-	-

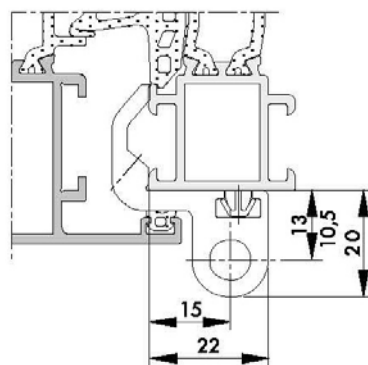
Window Profile Specifications

Product information

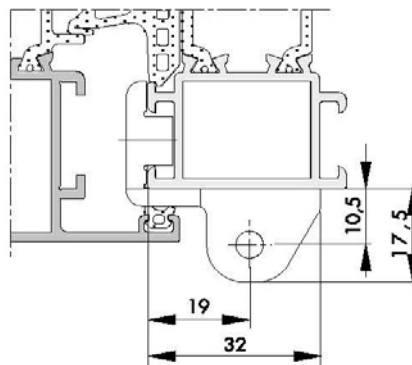
Profile parameters of aluminium windows and doors, connecting rod size and hardware installation space.



hardware installation space
ALU 2200/ALU 4200



hardware installation space
ALU RB/ALU SF



hardware installation space
ALU D

