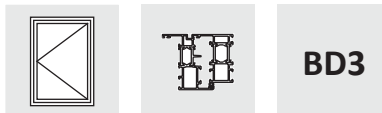


ALU-D80

Assembly instructions



1-sash square turn

Aluminium eurogroove 15/20

Chamber dimension 21

Versions A0004/A0006/A0022

Hinge clearance (BD) 3.5

Size range

		Windows
Sash width	(mm)	300 – 1000
Sash height (FH ≥ FB)	(mm)	400 – 2000
Sash weight	(kg)	max. 80

Use the following application diagram:

-max. 80 kg

document Nr.: H58.AWDLS010EN

The following documentation is required:

-ALU20 profile recommendation

document Nr.: H45.ALUS001EN

-gap ventilation night vent ALU-D/VS

document Nr.: H48.ZubhLS012EN

-ALU VS ALU-DG

document Nr.: H48.VSL005EN

-ALU VS ALU-DS

document Nr.: H48.VSL004EN

-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)!

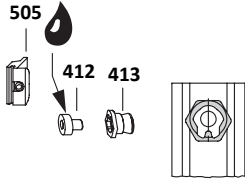
Specifications from the profile manufacturers or system owners for windows and patio doors!



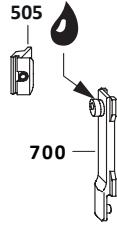
See SIEGENIA download portal for all documentation!



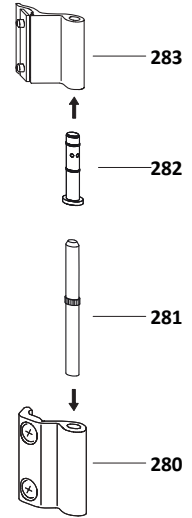
VS ALU-D economic,
ALU handle (100, 102) and
handle support ALU (915)



VS ALU-D,
ALU handle (100, 102) and
handle support ALU (915)

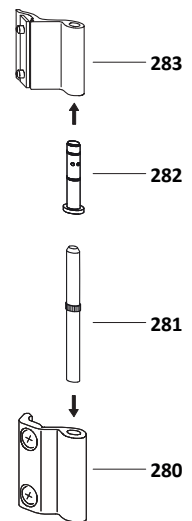
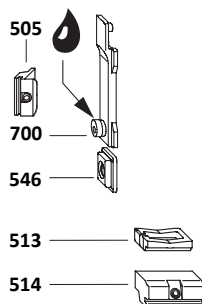
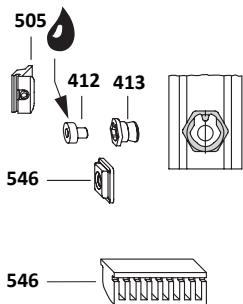
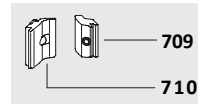
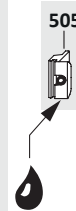
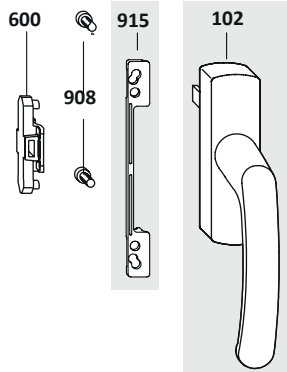
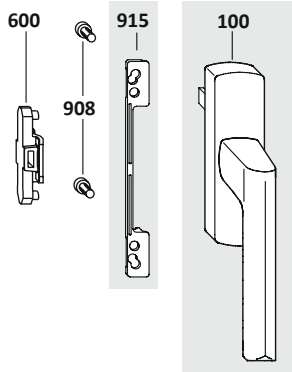


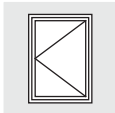
DF HINGE ALU TYPE 0,
DF HINGE ALU TYPE 1 and
MV ALU-D VS/BS



Torque and tooling information

Items	Nm (± 0.25)	
505, 514, 709, 710, 802	1.5	⬡ 2.5
546, 908	2.5	⬡ 4
412	4	⬡ 4
280, 283	3	⊕PH2





Hardware list

1-sash square turn hinge ALU-D80

ALU-D80

BD3.5

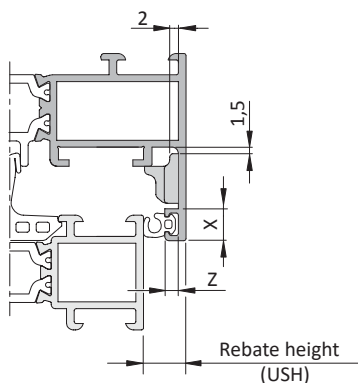
Item	piece	material description	Material number	VE	Material number	VE	
100	1	Handle ALU Si-line	See ALU handle overview in the SIEGENIA download portal.				
102		Handle ALU Globe					
	1 (2)	DF hinge ALU type 0 <i>(only for BD ≥ 3 ≤ 5)</i>	EV1	-	-	313725	50
			mill finish	-	-	313770	50
			Special colour	-	-	MBDF0010-5V005_	50
		DF hinge ALU type 1 <i>(only for BD ≥ 3 ≤ 5)</i>	EV1	-	-	313787	50
			mill finish	-	-	313831	50
			Special colour	-	-	MBDF0020-5V005_	50
280	1	Frame bearing					
281	1	Frame bearing bolt					
282	1	Sash hinge bush					
283	1	Sash hinge					
	0...1	VS ALU-D economic	-	-	314968	50	
	412	2	Locking cam				
	413	2	Eccentric rivet				
	505	2	Striker				
	553	1	Run-up block				
	600	1	coupling bracket				
	908	2	Cheese head screw M5 x 12				
	546	0...1	Stop for travel restriction	-	-	222805	10
	0...1	VS ALU-D	MMVS0240-10001_	1	MMVS0240-10003_	20	
	505	2	Striker				
	513	1	Run-up block				
	514	1	TBT run-up block				
	546	1	Stop for travel restriction				
	700	2	Slider				
	0...1	ALU coupling set	MMKL0060-10001_	1	MMKL0060-10003_	20	
	600	1	coupling bracket				
	908	2	Cheese head screw M5 x 12				
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				

Accessories

system-dependent	915	0...1	Handle support ALU	-	-	(see table)	200
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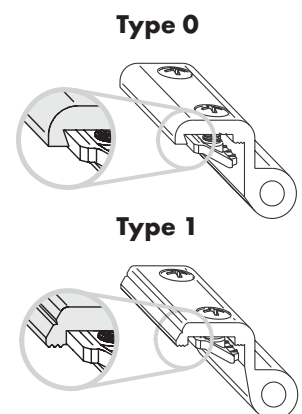
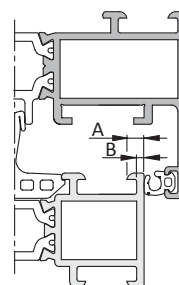
Design variations for handle support (item 915)

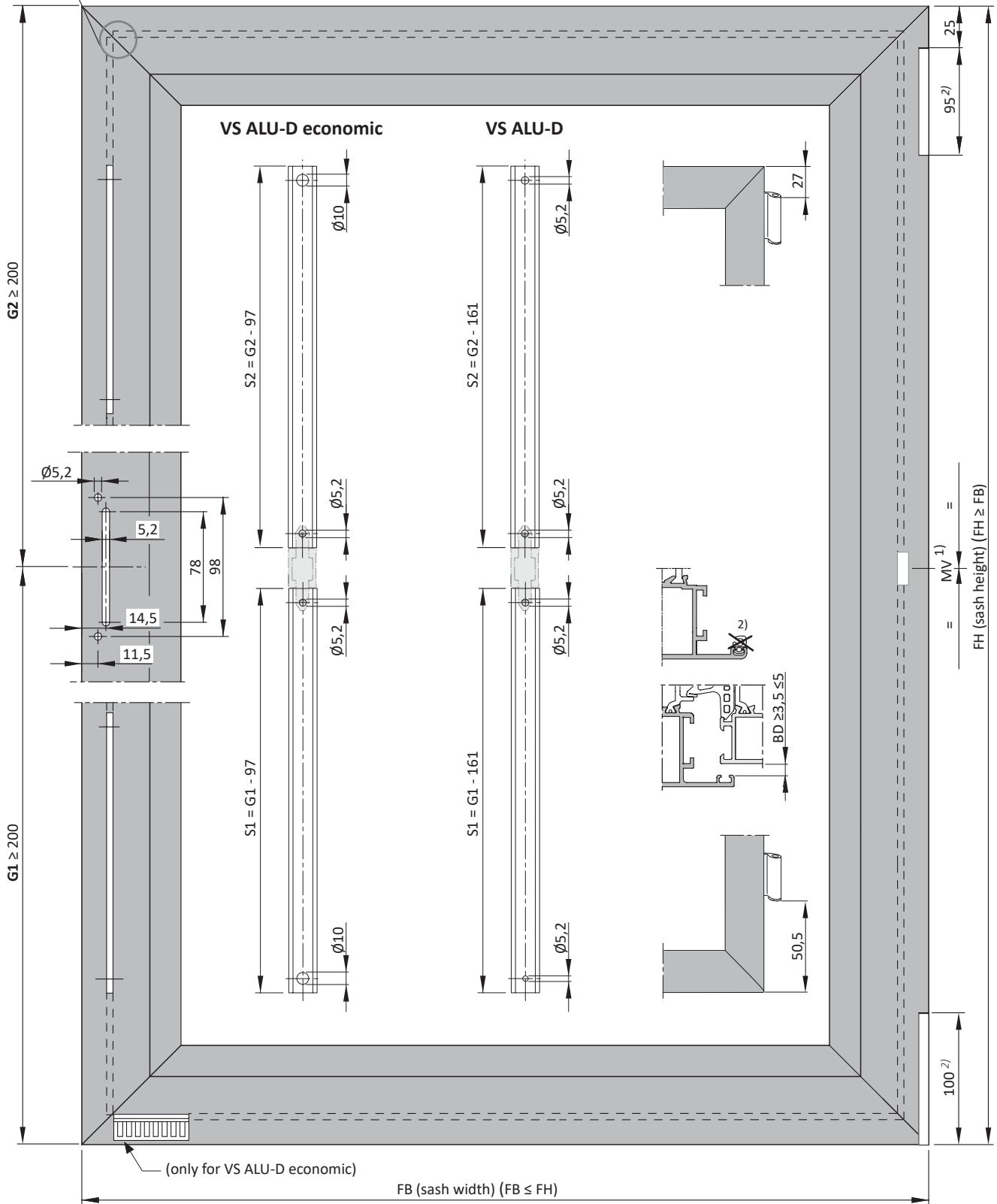
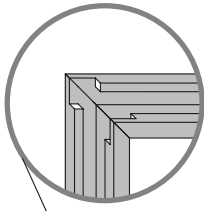
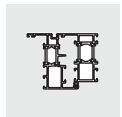
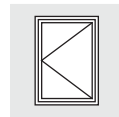
USH (mm)	Z (mm)	X	
		≤ 7 mm	< 7 ≤ 8.5 mm
7 - 10	≤ 2	MFHA0010-10020_	MFHA0010-10020_
	> 2 ≤ 3		MFHA0020-10020_
	> 3	-	



Turn only hinge version

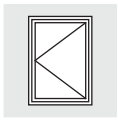
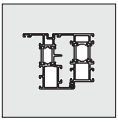
B (mm)	A (mm) ≥ 3 ≤ 3.5	A (mm) > 3.5 ≤ 4.3
≥ 1.5 ≤ 1.7	Type 1	Type 0
> 1.7 ≤ 2	Type 0	Type 0





1) See page 3 for installation recommendation of centre locks

2) Remove the rebate seal in the hinge gap area (minimum passage 3 mm)

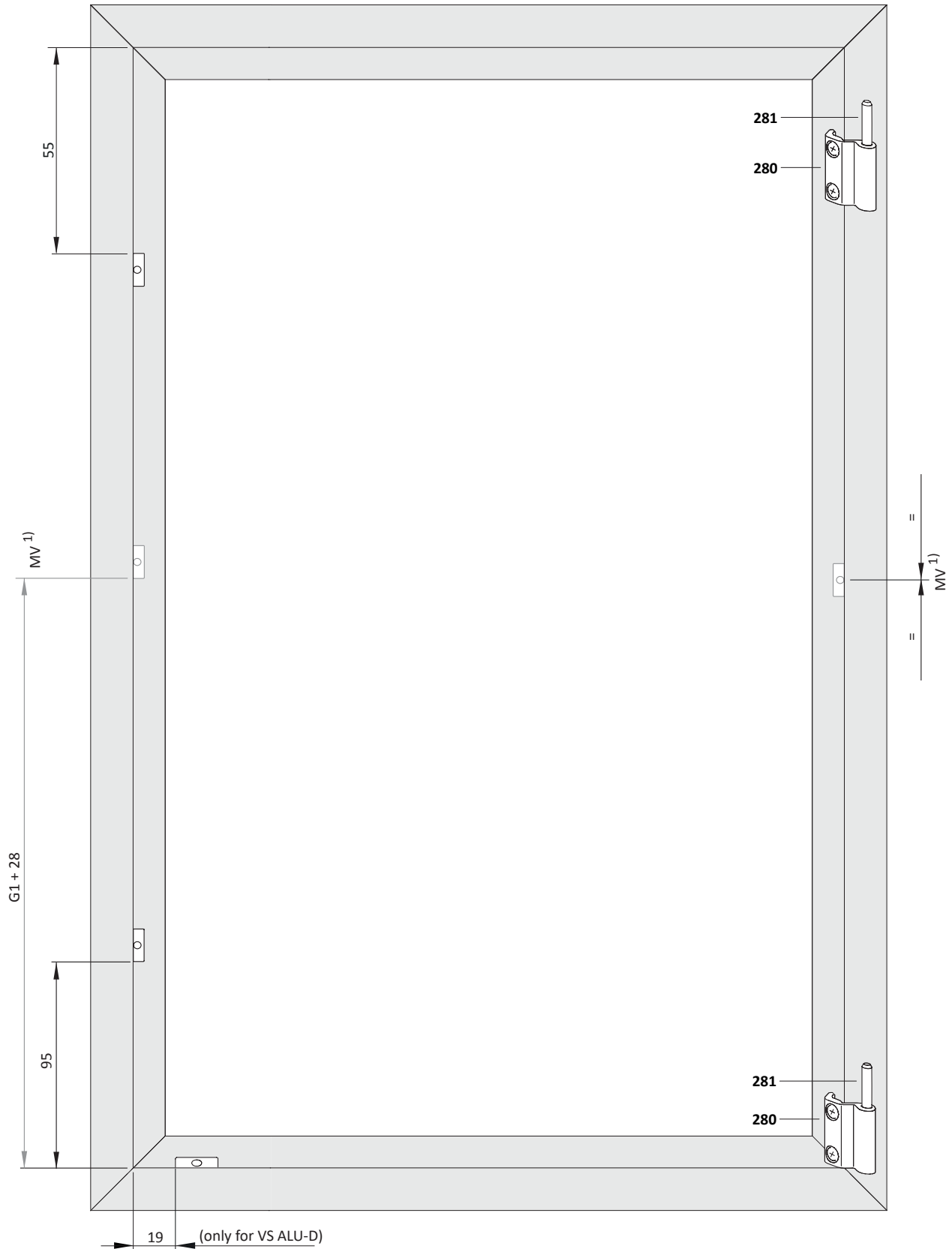


Frame dimensions

1-sash square turn
hinge ALU-D80

ALU-D80

BD3.5



1) See page 3 for installation recommendation for the centre locks and additional locks