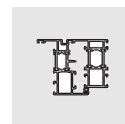
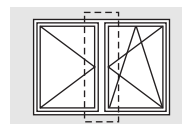


VS LM-DS/A

Locking side LM-DS/A for
Aluminium windows



.... with decisive advantages:

- can be combined with
BS LM 5200
BS LM 2200
BS axcent-D
LM-D
- DIN right and DIN left can be used
- universally applicable module packing units

Size Range (dependant on fittings)

			Window	
			min.	max.
Sash width, second sash	(FB2)	(mm)	350 to 1250 ¹⁾	
Sash height	(FH)	(mm)	680 to 2400	
Sash height	(FH)	(mm) <small>only with routed-in drive gear LM, internal</small>	725 to 2400	

1) N.B.: The sash width must not exceed 1.5 times the sash height!

The details for LM Euro-groove (Pages 5 and 6) with a chamber size of 21 mm (Aluminium profiles for windows and french doors) apply to the SIEGENIA locking side. In addition to this the details given by the system manufacturer must be complied with.
If the dimensions of windows or french doors differ from this please consult SIEGENIA.

Contents

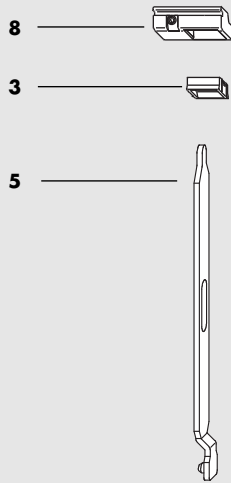
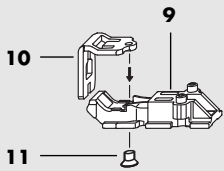
Size range.....	Page 1	Fitting instructions and important notes.....	Page 4
Fitting layout and list.....	Page 2	Sash dimensions.....	Page 5
Fitting aids, Abbreviations.....	Page 3	Frame dimensions.....	Page 6

Installation Instructions
H48.VLS001en

Technical specifications and colours are subject to change

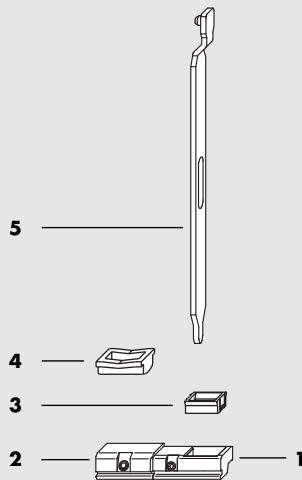
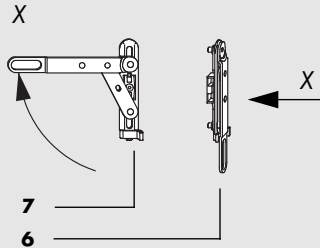
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VS LM-DS/A Fitting layout and list



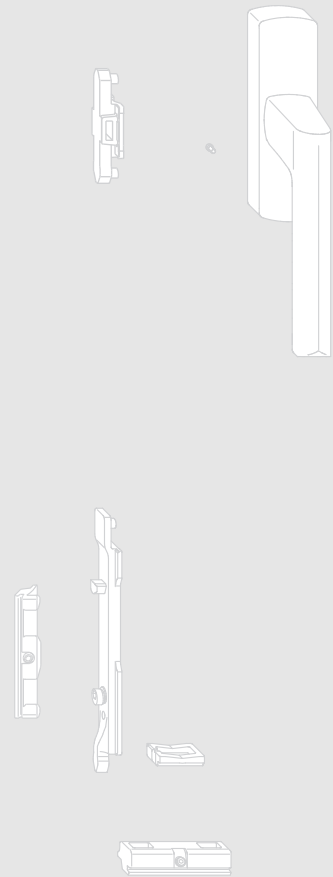
Second sash

- 1 Locking part DS l.h.
- 2 Run up block TBT
- 3 Pressure piece
- 4 Run up block
- 5 Shoot bolt
- 6 Slave sash gear
- 7 Stop
- 8 Locking part DS r.h.
- 9 Stay LM 4200/2200-D
- 10 Adapter LM 2200-D
- 11 Csk screw M5 x 7



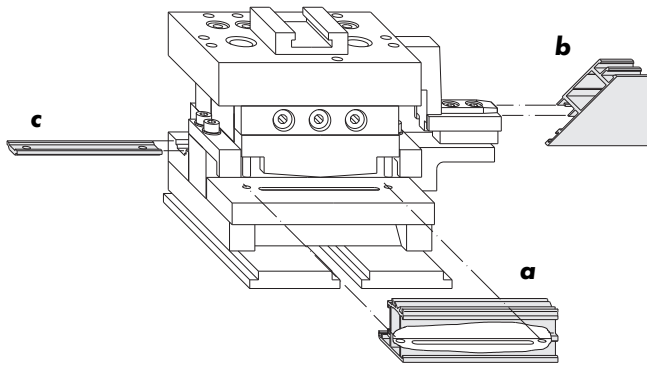
First sash

can be combined with
 VS LM 4200-DK
 (see grey contoured illust.)
 VS LM 4200-D
 VS LM-DK FBS-G A0040
 VS LM-DK ESG-23 A0040
 VS LM-D ESG-23 A0040
 VS LM-D economic
 VS LM-D A109

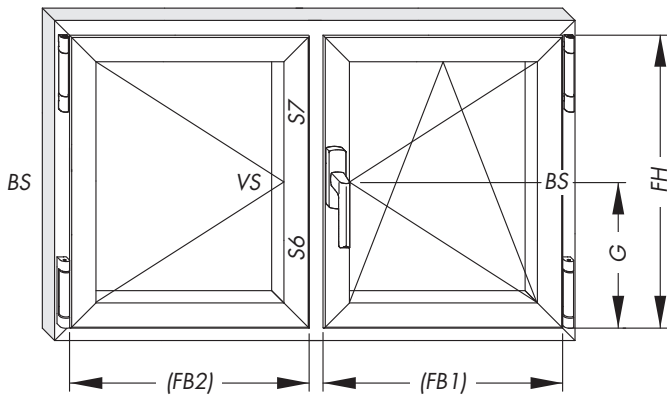


Pos.	Qty		Description		Part code		Part code
	A0026	A0006					
1 - 8	1	-	VS LM-DS/A A0026	1	864425	20	252192
	-	1	VS LM-DS/A A0006	1	860823	20	249321
9	1	1	Stay LM 4200/2200-D	1	MSKD0010-100010	100	MSKD0010-100060
10-11	1	1	Accessories - Turn sash stay LM 2200	1	MZB50040-000010	20	MZB50040-000030

VS LM-DS/A Fitting aids, Abbreviations



Description		EAN 40 12453
Combi-tool	a Punching out - lever	141243
	b Aperture for the operating rod guide groove	
	c Operating rod perforation and cropping	
suitable punching tool: BST 105 (15 mm stroke)		139295



Abbreviations

The following abbreviations are used in these fitting instructions:

BS	Hinge side
FB1	Sash width, first sash
FB2	Sash width, second sash
FH	Sash height
G	Handle position
VS	Lock side
S6	Operating rod, lock side, bottom
S7	Operating rod, lock side, top

Fitting Instructions

- Preparation**
- A** Open the operating rod guide groove.
 - B** Machine operating rods S6 - S7 in accordance with details given on Page 5.

- Sash**
- A** Fit stop (7) DIN right or DIN left onto the slave sash gear (6).
 - B** Push in shoot bolt (5) with operating rod S6 and operating rod S7 with shoot bolt (5) vertically on the lock side.
 - C** Fit slave sash gear (6) onto the operating rods S6 and S7 and clamp with countersunk screw.
 - D** Fit run up block (4).
 - E** Fit stays LM 4200-D (9) in accordance with the details given in the Fitting Instructions H48.4200LS003en or H48.2200LS001en.

- Frame**
- A** Position locking parts DS (1 and 8) DIN right or DIN left with run up block TBT (2) in accordance with details on Page 6 and lock with a grub screw in each case (Torque 1.5 ± 0.25 Nm).
 - B** Insert pressure pieces (3) into locking parts DS (1 and 8) as shown on Page 6.

- Note**
- If repeating an installation shoot bolt (5) with operating rod S6, slave sash gear (6) and operating rod S7 with shoot bolt (5) must be pushed in vertically on the locking side

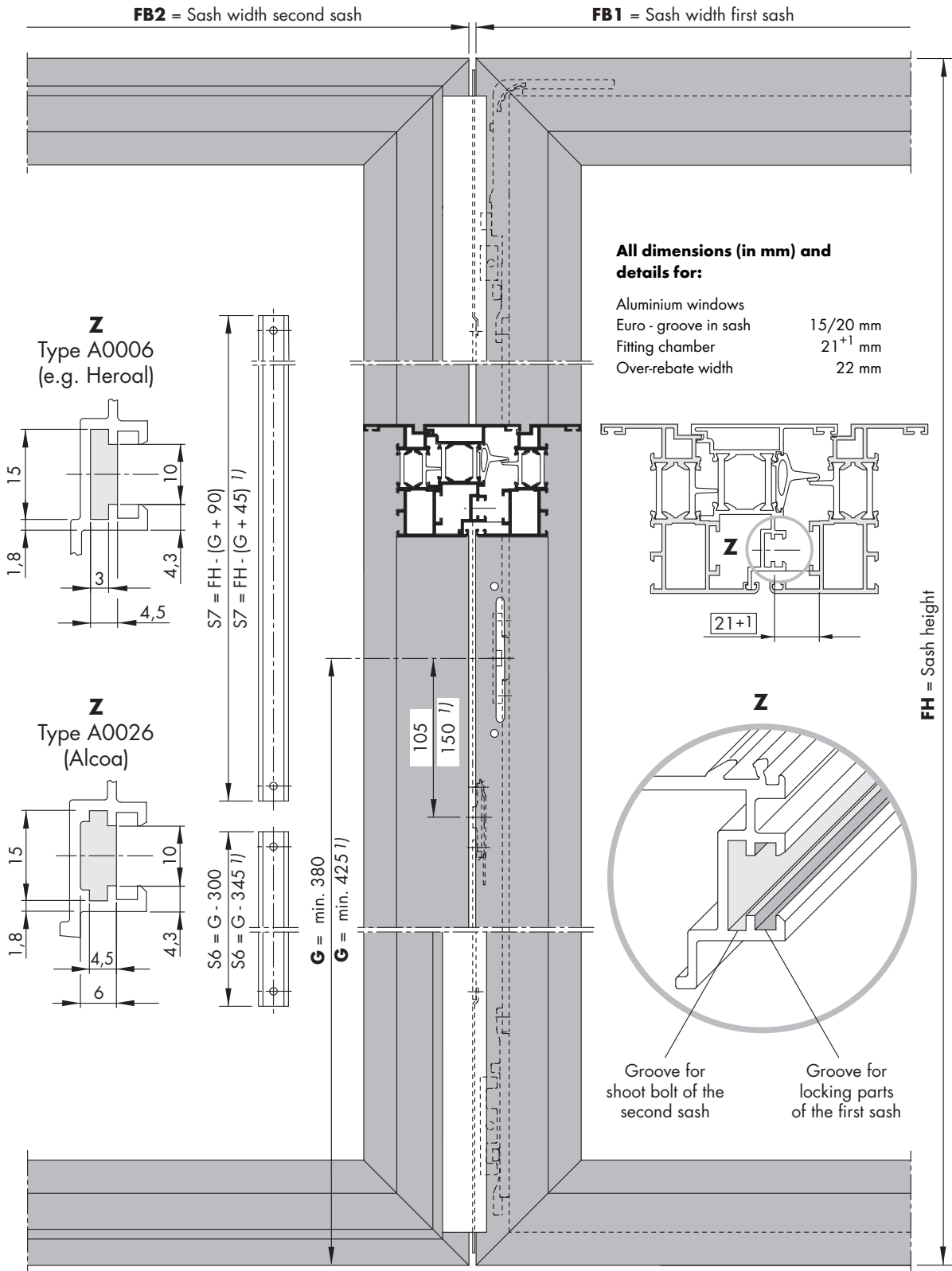
Important notes

- Please consult our product information for tilt and turn fittings for windows and door height windows
- The information on profile sections is valid for the fittings described in these installation instructions. Please consult your SIEGENIA-AUBI representative if the dimensions of the windows are different.
- The hardware components described in this leaflet are made from non corroding material or have been galvanised to DIN 50 961. They must not be installed for use in aggressive, corrosion promoting air conditions
- We can accept no liability in respect of any damages or defects arising where the hardware assembly incorporates products not made by SIEGENIA.
- Install the hardware components correctly by following closely the instructions on this page.
- The surface treatment of windows and doors must be performed before the hardware is assembled on the window. Post treatment could adversely affect the effective functioning of the components, in which case we accept no liability for such consequence.
- Please follow the standard techniques for packing and wedge the sealed glazing units within the sash / frame.
- Do not use acid based sealing compounds because they may lead to corrosion of the hardware. Keep rebates free of dirt and debris - in particular cement and plaster. Keep hardware dry and avoid contact with cleaning agents.
- Keep all grooves and rebates free from dirt and debris - especially residues of cement or plaster. Avoid the direct effect of moisture on the hardware and contact of the hardware with cleaning agents.

Liability exclusions

We accept no liability in respect of any damages or malfunctions caused by the hardware or the windows and French doors fitted with them, as a result of incorrect and inappropriate specifications or other information provided by the customer, failure to follow these instructions, wilful damage or negligence or misuse or alteration or repair of or an exertion of excessive force to the hardware by the user or customer.

VS LM-DS/A Sash dimensions



1) Only for routed in drive gear LM

VS LM-DS/A Frame dimensions

