

DATA SHEET

Main properties



Resistance to wind load
Class 2 - 4



Thermal insulation
3.9 W/(m²K)



Water tightness
Class 0

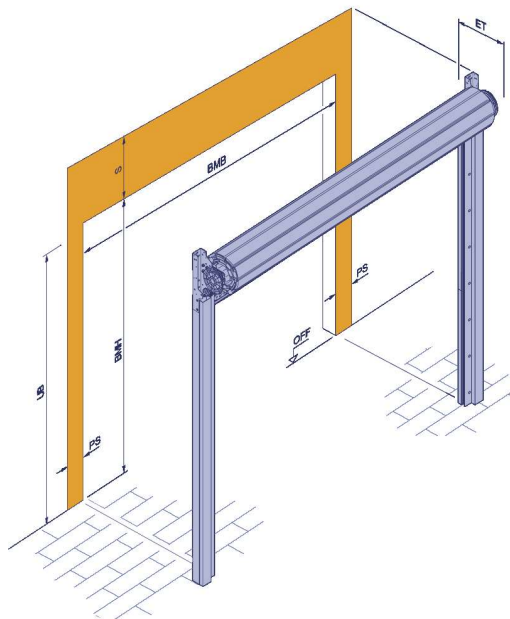


Acoustic rating
18 dB

The values depend on the configuration of the door.

Rolling shutter SB Decotherm S

The profile made of galvanized special steel with barrel-optimised geometry is especially resistant to damage caused by transport, fitting and operation. Lined profile view on interior and exterior, optionally with colour coating in RAL to choose on both sides.



Door size

Width (BMB)	1000 – 5000 mm
Height (BMH)	2000 – 4500 mm

Table of standard values in mm

Door height	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500
Required headroom (S)	465	473	475	482	484	489	519	524	529	532
Fitting depth (ET)	370	378	380	387	389	394	424	429	434	437

Product description	
Type	Decotherm S
Material	Double-skinned steel
Surfaces without colour coating	Galvanized without protective paint
Surfaces with colour coating	High-quality coil coating
Standard colours	RAL 9002, 9006
Preferred colours*	RAL 9016, 9007, 8028, 7016, 6005, 5010, 3000
Special colours	Possible on request
Profile height	109 mm
Curtain weight	Approx. 10.3 kg/m ²
Fastening options	Concrete, steel, brickwork, timber
Operator / actuation	Manual operation, WA 250 R, WA 300 R S4, WA 300 AR S4
Max. number of cycles per day (24 h)	50

Differences in appearance between two doors may occur for technical reasons.

Equipment		
Break-in resistance equipment	Wind lock	●
	Internal locking	○
	Internal / external locking	○
Security features	Safety catch	●
Side door	Matching the door	○
Window / ventilation	Standard arrangement	○/○
	Logistics arrangement	○/-

● Standard ○ Optional

Performance characteristics			Achievable values
Resistance to wind load according to EN 12424	Max. door width 5000 mm	Class	4
Thermal insulation Appendix B EN 12428 Door size 4000 × 4000 mm	Individual door section ($U = W/(m^2 \cdot K)$)	$W/(m^2 \cdot K)$	3.9
	Fitted ($U=W/(m^2 \cdot K)$)		4.1
Acoustic rating	Shutter 3.5 × 2 m, fitted (RW = dB)	R [dB]	18
Water tightness according to EN 12425		Class	0

Note: Maximum wind load only for standard rolling shutters without window profiles

Minimum requirements for the building structure

Concrete

Strength class C 20/25

Thickness 140 mm

Standard EN 206-1

steel

Strength class S235-JRG2

Thickness 5 mm

Standard EN 10027-1

Brickwork

Strength class 12 /
mortar group II

Thickness 240 mm

Standard DIN 1053-1

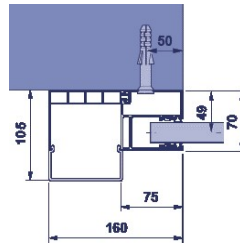
Timber

Coniferous wood: C24 / quality category II

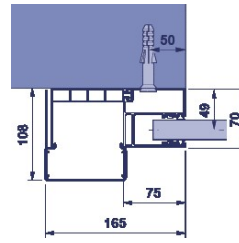
Thickness 120 mm

Standard DIN 1052 (EC5)

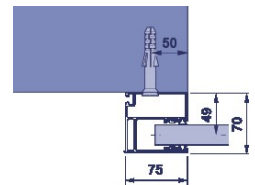
Standard fitting for side guide FS160



with spring chamber
and AFK

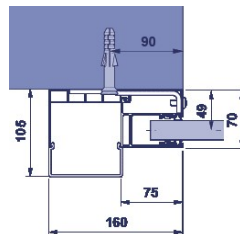


with spring chamber
and AFA

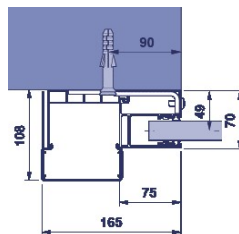


without
spring chamber

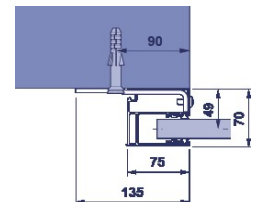
Angle fitting for side guide FS160



with spring chamber
and AFK



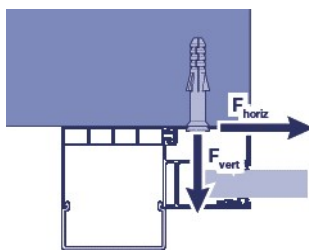
with spring chamber
and AFA



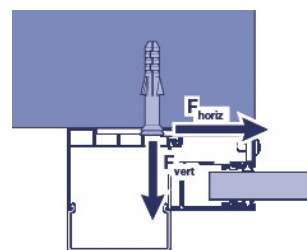
without
spring chamber

Maximum load at the fixing point – side guide FS160

Standard fitting



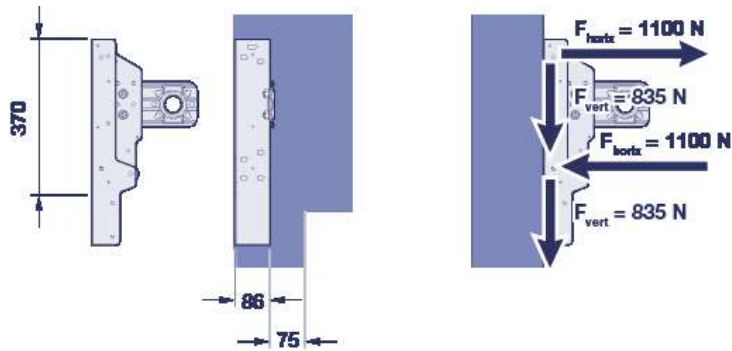
Angle fitting



q_{horiz} [kN/m]	3,75
q_{vert} [kN/m]	2,5

q_{horiz} [kN/m]	1,0
q_{vert} [kN/m]	3,0

Support bracket / maximum load at the fixing point



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