

Technical information

CI System glass element FE and FE3°

No.:

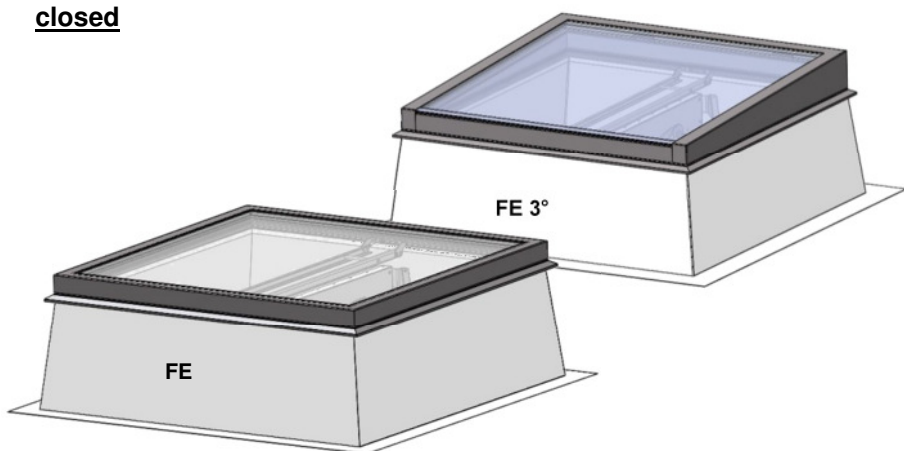
9.1.1.3.1.2



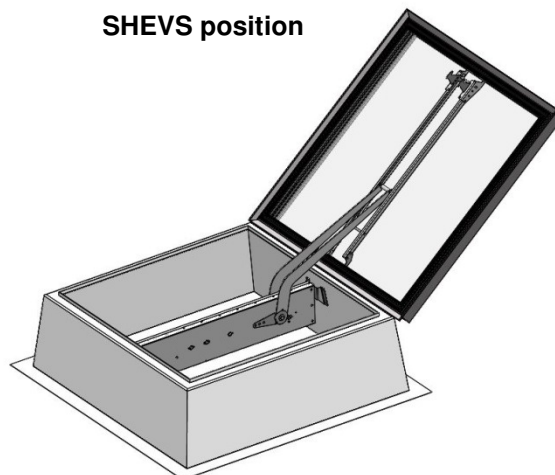
Whole structure, types available

Smoke lift FE EJ and FE3° EJ

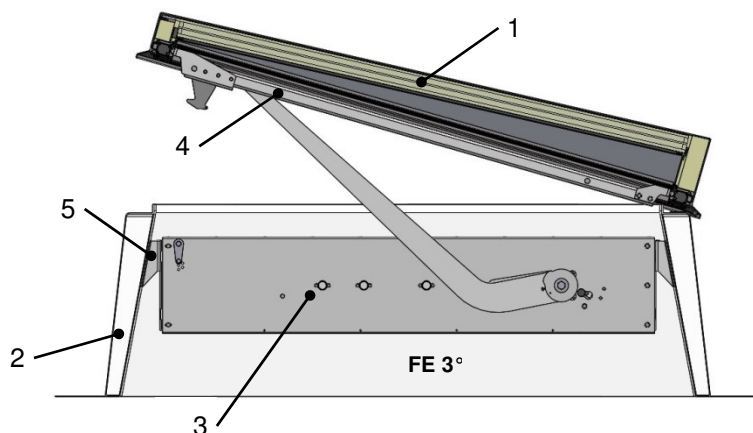
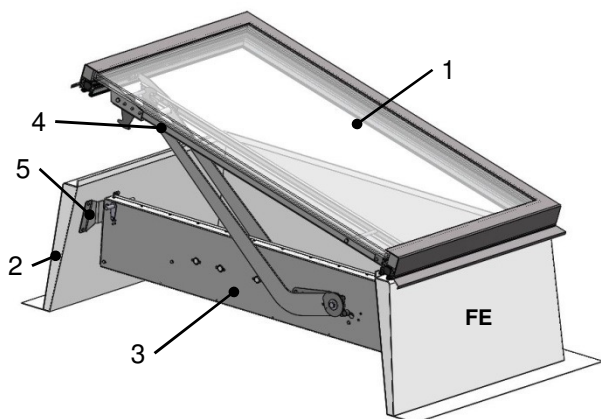
closed



SHEVS position



ventilation adjustment



1 glass element 2 upstand 3 SHEVS fitting, type EJ 4 upper beam 5 bolt plate

Ventilation function

Ventilation switches can be used to open or close the glass elements. A SHEVS centre type EN...xxA-x-x is required for this. In the pre-set operating mode "continuous" and "2x stroke", when the Open key is pressed once, the 1st stage of the ventilation setting (opening angle approx. 15°) is activated, if the key is pressed again, the 2nd stage (also limit position, approx. 30°) is activated. When the Close key is pressed once, the closing function takes place. Stopping is possible in any intermediate position by pressing the Open and Close keys at the same time. Monitoring via wind and rain detectors is possible. The SHEVS triggering has priority here and always opens the glass elements in SHEVS position.

Technical data	
Opening angle SHEVS	165° +/- 5° (opening time < 60 s)
Opening angle ventilation	15° / 30° (2-stage, intermediate positions possible)
Operating voltage	24 V / 7.5 A or 48 V / 3 A (DC, residual ripple < 5 %)
Connecting terminals	2 double terminals, max. 6 mm ² rigid / 4 mm ² flexible open: [1] (+) / [2] (-) / close: [1] (-) / [2] (+)
Protection class	IP 54
Operating mode	S 3 30% ED
working temperature	-15 °C to +75 °C
Colour (fitting)	Galvanized steel, colour coating usually possible

Performance classes in accordance with EN 12101-2	
Aerodynamically effective surface Aa	0.60 m ² - 2.84 m ² (Values are dependent on the size, s.P.2)
Function	Re 1000, ventilation 10,000
Snow load	SL 1000 to SL 2000 (depending on the flap size and weight, s.P.2)
Cold	T(-15)
Wind load	WL 1500
Fire	B 300

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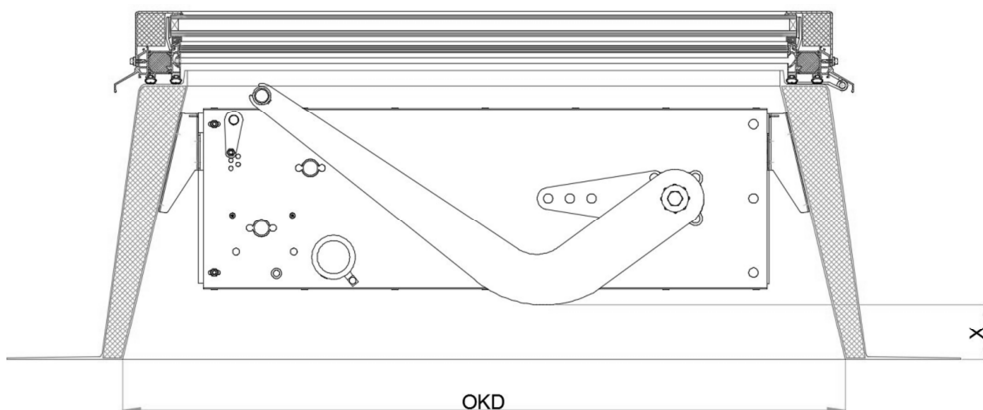
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Dimensions and excess ends

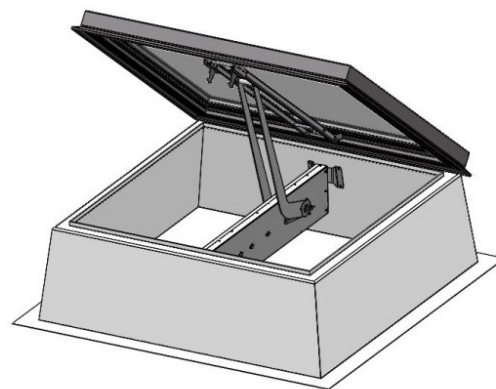


Sizes, types, A_a-values, SL-classes

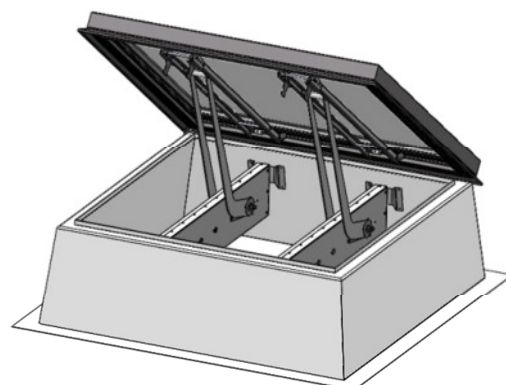
Weights [kg]		
Structural element		
nominal bore, nominal diameter (top roof edge size) [cm]	SHEVS fitting (incl. bolt plates)	Upper beam
100	20	4
120	22	4.5
125	23	4.5
150	25	5.5

Size (top roof edge size) [cm]	SHEV fitting	A _a value [m ²]	SL class (Min. value)
100/100	solo	0.60	SL 2000
100/150	solo	0.90	SL 1700
100/200*	solo	1.24	SL 1200
	tandem	1.20	SL 2000
100/240	tandem	1.44	SL 2000
100/250	tandem	1.53	SL 2000
100/300	tandem	1.83	SL 1700
120/120	solo	0.88	SL 1800
120/150	solo	1.12	SL 1350
	tandem	1.36	SL 1100
120/180*	solo	1.36	SL 1100
	tandem	1.30	SL 2000
120/240	tandem	1.79	SL 1800
120/250	tandem	1.86	SL 1600
120/300	tandem	2.23	SL 1350
125/125	solo	0.97	SL 1600
125/250	tandem	1.94	SL 1650
	solo	1.42	SL 1050
150/150*	solo	1.42	SL 1050
	tandem	1.35	SL 2000
150/180	tandem	1.65	SL 1950
150/200	tandem	1.86	SL 1700
150/210	tandem	1.98	SL 1600
150/240	tandem	2.27	SL 1350
150/250	tandem	2.36	SL 1300
150/300	tandem	2.84	SL 1050

Dimension X [mm] (negative values = excess end = fitting protrudes at the bottom)			
nominal bore, nominal diameter (top roof edge size) [cm]	Upstand		
	K30 (Height 30 cm)	K40 (Height 40 cm)	K50 (Height 50 cm)
100	-25	75	175
120	-25	75	175
125	-25	75	175
150	-25	75	175



Version with solo fitting



Version with tandem fitting

*Version of the SHEVS fitting in this case, dependent on the glazing: double glazing -> solo triple glazing -> tandem