

SYSTEM: FIBERSHIELD

MODEL: FIBERSHIELD-I



Product description

Heat-insulating fire protection closure with a textile design that closes automatically in the event of an alarm, vertical installation position and closing direction

Type	Heat-insulating fire protection closure with textile design
Verification	CE marking according to EN 16034:2014 in conjunction with EN 13241:2003+A2:2016
Closing direction	From top to bottom
Fire resistance	EI ₁ 30 - EI ₂ 120 Tested according to EN 1634-1:2014-03 Classified according to EN 13501-2:2016
Smoke protection	S _a ¹ : for joint length 14.5 m for EI ₁ 30 – EI ₂ 120 Tested according to EN 1634-3:2005-01 in connection with EN 1363-1:2012-10 Classified according to EN 13501-2:2016
Closing cycles	C, C1, C2 Tested according to EN 12605:2000-08 Classified according to EN 13501-2:2016
Durability	C: for size 7315 x 4950 mm for EI ₁ 30, EI ₂ 30; for guide rail type 3 C1: for size 6600 x 4840 mm for EI ₁ 60, EI ₂ 60, EI ₂ 90, EI ₂ 120 (Stratex 6, Stratex 9) C2: for size 6600 x 4840 mm for EI ₁ 30, EI ₂ 30 (Stratex 3); for size 6000 x 4400 mm for EI ₂ 90 (Stratex 12)
Fire behaviour of textile	B-s1, d0; E-d2 Tested according to ISO 11925-2 and EN 13823 Classified according to EN 13501-1:2018
Environmental conditions	Special environmental conditions are not taken into account (e.g. humidity > 80 %, ambient temperature < 5 °C and > 45 °C, wind loads etc.).
Visible surfaces	galvanized, RAL, NCS standard color, Stainless steel type 1 V2A material A-1.4301 (bright), Stainless steel type 1 V2A material A-1.4301, K240 (ground), in each case for the visible surfaces of the housing and the guide rails

Constructive system design (system drawing)

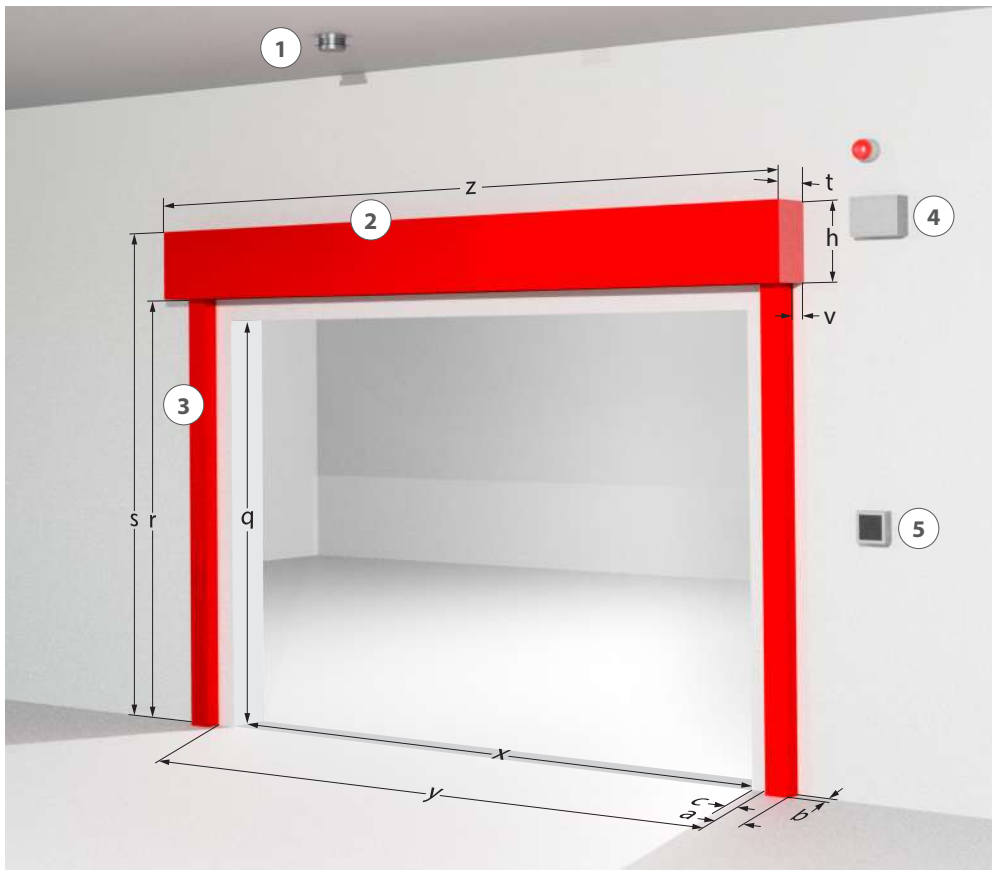
The combination of classifications or the ratio of clear system width to clear system height may reduce the stated maximum dimensions and the dimensions of the housing and guide rails may vary. The specifications on the quotation apply.

Classification	Size** [y x r] in mm	Fabric	Wall thickness* in mm	Housing	Guide rail [a(+c) x b]
EI ₁ 30/EI ₂ 30	7315 x 3800	Stratex 3	150	Type A	Type 1 or Type 3***
EI ₁ 60	6600 x 4840	Stratex 12	150	Type B	Type 2
EI ₂ 60	4400 x 4300	Stratex 6	150	Type A	Type 1 or Type 3***
EI ₂ 60	4400 x 4400	Stratex 6	150	Type B	Type 1 or Type 3***
EI ₂ 60	6600 x 4840	Stratex 9	150	Type B	Type 1
EI ₁ 90	6000 x 4400	Stratex 12	150	Type B	Type 2
EI ₂ 90	6000 x 4400	Stratex 9	150	Type B	Type 1
EI ₂ 120	6600 x 4840	Stratex 12	175	Type B	Type 2

* The installation situation must comply with the building code requirements of the country of installation. The fire resistance of a ceiling or wall support structure and the adjacent components must at least correspond to that of the fire and/or smoke protection closure, fire and/or smoke protection curtain. Evidence of the stability and serviceability of the adjacent walls and structural components must be provided under general ambient conditions and in the event of fire. See also notes on the standard supporting structure in EN1366-7:2004 and EN1363-1:2020. The fire protection system must not be subjected to any additional loads other than its own weight, even in the event of fire.

** larger dimensions on request

*** Type 3 guide rails – maximum size 3000 x 2870 mm



Key: System components:

- 1 = Smoke detector
- 2 = Housing
- 3 = Guide rail
- 4 = Control module
- 5 = Trigger device (see the valid general type approval of the brake system for design details of the electrical components.)

Key: Dimensions

Structure

- q = Clear shell construction height
- x = Clear shell construction width

System

- s = System height
- r = Clear system height
- y = Clear system width
- z = System width

Housing

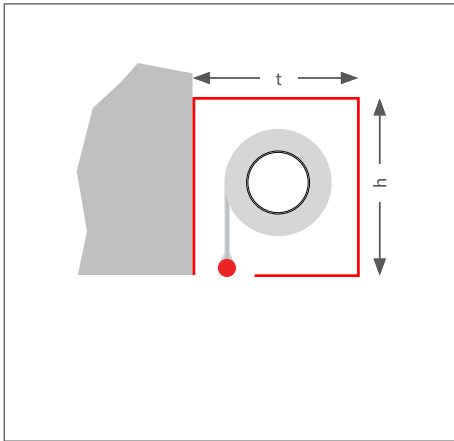
- t = Depth
- h = Height
- v = Offset between housing and guide rail

Guide rail

- a = Width
- b = Depth
- c = Cover

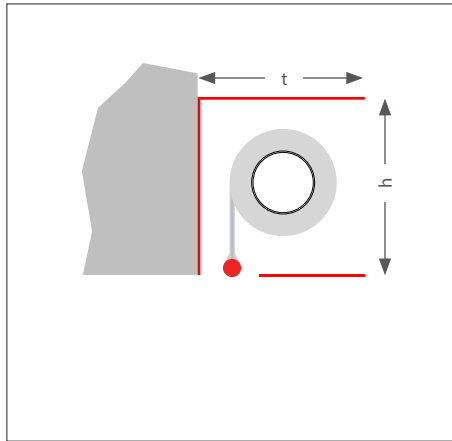
Housing

Wall with housing cover



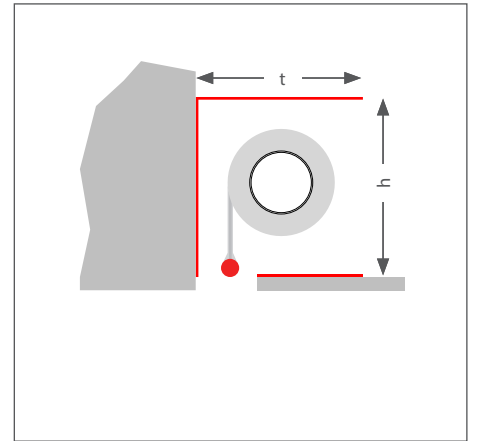
Type A: $t = 380 \text{ mm}$, $h = 350 \text{ mm}$
 Type B: $t = 460 \text{ mm}$, $h = 430 \text{ mm}$

Wall without housing cover



Type A: $t = 380 \text{ mm}$, $h = 350 \text{ mm}$
 Type B: $t = 460 \text{ mm}$, $h = 430 \text{ mm}$

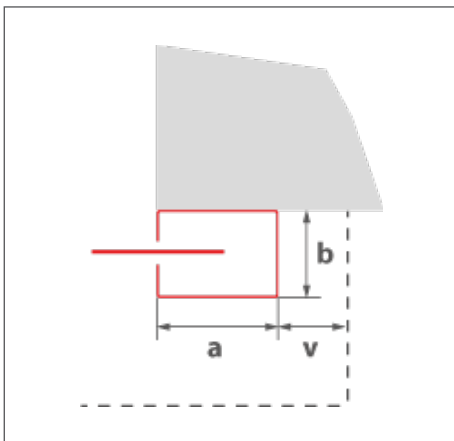
Wall without housing cover, with false ceiling



Type A: $t = 380 \text{ mm}$, $h = 350 \text{ mm}$
 Type B: $t = 460 \text{ mm}$, $h = 430 \text{ mm}$

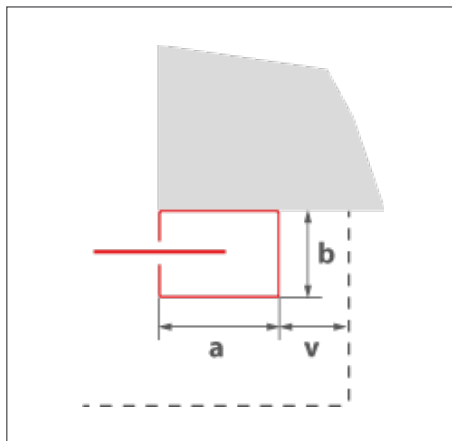
Guide rails

Type 1



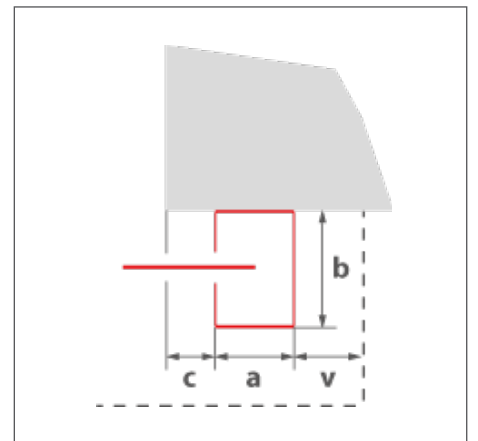
$a = 200 \text{ mm}$
 $b = 82 \text{ mm}$
 $v = 47 \text{ mm}$

Type 2



$a = 230 \text{ mm}$
 $b = 110 \text{ mm}$
 $v = 42 \text{ mm}$

Type 3



$a = 90 \text{ mm}$
 $b = 120 \text{ mm}$
 $v = 60 \text{ mm}$
 $c = 0 \text{ mm}$ for EI₁ 30, EI₂ 30
 $c = 60 \text{ mm}$ for EI₂ 60

Note: Dotted line for the winding shaft receptacle (housing)