

FIRE DAMPERS

FIRE AND SMOKE PROTECTION DAMPERS - QUICK SELECTION GUIDE

Fire Dampers		Product Standard BS EN 15650 EXAP Standard BS EN 15652-2 Classification Standard BS EN 13501-3 Test Standard BS EN 1366-2		FKA2-EU DOP/FA2-EU/DC/02		FD		MSFD		
Includes		Fire damper = Mechanical spring close damper with thermal link MSFD = motorised smoke leakage rated fire damper with integrated electrical thermal release		Sizes 200x200 - 1500x800 S = W x 800 x H < 400 L = W x 800 x H > 400						
Installation Type		Min wall thickness * d		Mortar		Installation Kit		Fire Ball System		OTHER
		gross density kg/m ³ ≥ 350		S	L	S	L	S	L	All
WALL - SOLID										
In wall		80	EI 90 S EI 90 S							
In wall		100	EI 120 S EI 120 S					EI 120 S EI 90 S		
In Shared opening	2 dampers	100	EI 120 S EI 120 S					EI 90 S EI 90 S		
In Shared opening	Mixed types 2 each total area ≤ 1.2 m ²	100	EI 90 S EI 90 S							
In Shared opening	multiple dampers total Area ≤ 4.8m ²	100	EI 90 S EI 90 S					EI 90 S EI 90 S		
In Shared opening	multiple dampers total Area ≤ 2.4m ²	100								
In Shared opening	multiple dampers total Area ≤ 1.2m ²	100								
In Shared opening	2x2 total Area ≤ 4.8m ² + insulation	100	EI 120 S EI 120 S							
In wall	In corner up to wall & ceiling	100	EI 90 S EI 90 S							
In Shared opening	2 In corner up to wall & ceiling	100	EI 90 S EI 90 S							
Away from	On face wall or remote from	100				EI 90 S EI 90 S				
	Below deflection head joint	100								
	With kit Below deflection head joint	100								
In Shared opening	2 dampers flange 2 flange as above	100								

Our poster shows the full range at a glance. Use this detailed, but straight forward, decision-making tool to help plan your project.

All TROX CE-certified fire dampers and smoke control dampers are listed according to:

- Damper model
- Application
- Classification according to structure type, installation location and fire stopping execution/material:
 - Solid or partition wall
 - Partition wall with metal or timber studding
 - Shaft wall with or without metal studding
 - CLT or solid timber
 - Concrete floor, solid wood floor or wood beam floor

Solutions for:

- Deflection heads
- Low density aircrete ≥350 kg/m³, hollowcore flooring, reinforced ribbed ceilings and more
- Sandwich panel walls
- Arrays
- Narrow gaps to structures
- Multi-service penetrations - fire dampers + cables + pipes in shared opening
- Easy conversion from fire damper to MSFD and vice versa
- Wall thicknesses starting at 40mm
- ATEX certified models - certification even for fusible link options

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