

# FIRE DAMPERS

## FIRE AND SMOKE PROTECTION DAMPERS - QUICK SELECTION GUIDE

CE

Product Standard: BS EN 15650  
EXAP Standard: BS EN 15652-2  
Classification Standard: BS EN 13501-3  
Test Standard: BS EN 1366-2

Includes

Fire damper = Mechanical spring close damper with thermal link  
MSFD = motorised smoke leakage rated fire damper with integrated electrical thermal release

FKA2-EU

06PKA2-EU/06022

FD

MSFD

Sizes 200x200 - 1500x800

S = W < 800 x H < 400

L = W > 800 x H > 400

Size		S		L		S		L		All	
Fire Stop method		Mortar		Installation Kit		Fire Ball System		OTHER			
Installation Type											
WALL - SOLID		gross density kg/m³ ≥ 350									
In wall		60	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 m²	100	EI 90 S	EI 90 S							
In Shared opening	multiple dampers total Area ≤ 4.8m²	100	EI 90 S	EI 90 S			EI 90 S	EI 90 S			
In Shared opening	multiple dampers total Area ≤ 2.4m²	100									
In Shared opening	multiple dampers total Area ≤ 1.2m²	100									
In Shared opening	2x2 total Area ≤ 4.8m² + insulation	100	EI 120 S	EI 120 S							
In wall	2 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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