

# FIRE AND SMOKE CONTROL AND PROTECTION

## 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/KA2-EU/DG/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	
WALL - SOLID		gross density kg/m <sup>3</sup> ≥ 350		S		L		S		L	
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 <sup>2</sup>	100	EI 90 S EI 90 S								
In Shared opening	multiple dampers total Area ≤ 4.8m <sup>2</sup>	100	EI 90 S EI 90 S					EI 90 S EI 90 S			
In Shared opening	multiple dampers total Area ≤ 2.4m <sup>2</sup>	100									
In Shared opening	multiple dampers total Area ≤ 1.2m <sup>2</sup>	100									
In Shared opening	2x2 total Area ≤ 4.8m <sup>2</sup> + 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/m<sup>3</sup>, 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

**EK-JZ SMOKE CONTROL DAMPER: UNIVERSAL. MODULAR. SAFE.**

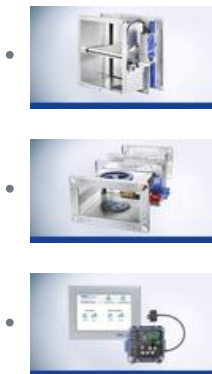


Smoke control dampers with the largest possible openings are required to keep escape and rescue routes smoke-free.

This is the only way to achieve large volume flow rates at low airflow velocities – a prerequisite for the effective functioning of pressure differential systems (DBA).

[Go to EK-JZ product page: configure and order online](#)

## NEW: THE FKA2-EU FIRE DAMPER



### ONE DAMPER FOR ALL DIMENSIONS AND APPLICATIONS

The new FKA2-EU fire damper replaces the FKA-EU which has ensured safety in buildings for many years.

The new **highly automated production** guarantees shorter delivery times. And each damper is an exact reproduction of the test damper – it couldn't be safer.

#### Advantages:

- For all dimensions
- For all applications
- With dry mortarless installation kit
- Reduces energy costs
- Simple retrofit possible from the outside

One for all: Tested and certified for many installation situations, e.g. fire batt, timber frame, mortar-based installation.

[Click here for technical information, certificates and manuals.](#)

#### FIRE BATT INSTALLATION: TROX CIRCULAR FIRE DAMPER

Advantages - **circular fire damper**

#### FIRE BATT INSTALLATION: TROX RECTANGULAR FIRE DAMPER

Advantages - **rectangular fire damper**

- Professional installation also into asymmetric openings
- Excellent material, easy to cut and fit
- Clean and dry installation without mortar or water

See for yourself how easy the installation is.

- Professional installation also into asymmetric openings
- Excellent material, easy to cut and fit
- Clean and dry installation without mortar or water

See for yourself how easy the installation is.

### SAFE FIRE AND SMOKE PROTECTION SYSTEMS: A SHOPPING CENTRE EXAMPLE

When you enter a building, you want to be sure it's safe. You don't want to worry about fire protection or smoke control.

And you need not worry with TROXNETCOM: The TROX overall control system for complex fire and smoke protection solutions. With just ONE interface for ALL components!

## TROX SERVICES



**PRODUCT SEARCH A-Z**  
Find out quickly and easily.



**TROX EASY PRODUCT FINDER**  
Fast. Reliable. Innovative.



**CONTACT US**  
For further information