

# INCREASED SAFETY, NEW APPLICATIONS: SPACE-SAVING TROX FKRS-EU FIRE DAMPERS

[□ back to the overview](#)

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FKRS-EU fire dampers are used for the isolation of duct penetrations between fire compartments, and thanks to their compact size they are ideal for restricted spaces. What is new is that the FKRS-EU has just been tested and approved for several new applications.

One new application is the installation at the end of a duct with fire-resistant cladding on two, three or four sides, whatever is suitable for the project. This installation has been tested for 90 minutes in adjacent walls and ceilings. It is hence possible to install the fire dampers even in restricted spaces and adjacent to a wall or just below the ceiling.

This is actually unique: The FKRS-EU is the only fire damper that has been approved for this application.

Other important applications include:

#### Timber stud walls

Timber stud constructions are a growing market segment since they are sustainable. To meet this new requirement, TROX had the FKRS-EU tested for installation in the most common lightweight partition walls with timber studs. And then successfully. The FKRS-EU has been approved (EI90S) for the following applications:

- each type of construction: timber studs, timber frames and half-timbered constructions
- each type of installation: dry, wet or with a fire batt

#### Wooden beam ceilings

Ceilings with wooden beams can pose a problem in new builds as well as in refurbishments. One would think that a different fire damper test is required for every single type of ceiling. TROX has, however, found an intelligent solution: The part of the fire damper which is above the ceiling is cast in a piece of concrete such that a small solid ceiling slab is created around the damper. This solution can be used for almost all fire-rated ceilings; the combination of a solid ceiling slab with a wooden beam ceiling has been tested and certified.

[Brochure: The TOP 3 - New applications of FKRS-EU fire dampers](#)

[Read more about FKRS-EU fire dampers](#)

TROX is leading in the development, manufacture and sale of components, units and systems for the ventilation and air conditioning of rooms. With 29 subsidiary companies in 28 countries on 5 continents, 14 production facilities, and importers and representatives, TROX is present in over 70 countries. Founded in 1951, global market leader TROX, whose international head office is in Germany, generated in 2015 with a total of 3,700 employees around the globe revenues of €482 million.

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