B·S·T® EN
Fire dampers
Protection from fire and smoke, and with additional security

SOMMER B·S·T® EN fire dampers are tested according to EN 1634-1 and EN 1634-3 and can be used as wall dampers in European countries through individual case approvals. The pressure-resistant infills in conjunction with galvanised and painted sheet steel with a door leaf thickness of 64 mm ensure high dimensional stability and strength and enable a wide range of applications.

Highlights

- Fire protection EI_260 per EN 1634-1
- Smoke protection S_a/S_{200} per EN 1634-3
- Break-in resistance to RC3 per EN 1627
- Noise protection to 47 dB per EN ISO 717-1
- Air sealing to Cl. 4 per EN 12207
- Pressure resistance

B·S·T® EN fire dampers
Technical data

DESCRIPTION

B·S·T® EN fire dampers tested per EN 1634-1 can be combined with various safety requirements, such as smoke protection and intrusion resistance, and are designed for above-floor installation, for example in shafts. The galvanised and painted steel in a thickness of 1.0 mm and the leaf thickness of 64 ensure the dimensional and pressure stability of the damper. Normally, a galvanised and painted corner frame of 2.5 mm sheet steel is used with the self-closing fire damper with top closer. Alternatively, block or closed frames can be used. The durability of the damper is tested to C5 (200,000 cycles). For indoor use only.

VERSION

1-leaf

REQUIREMENTS

- Fire protection $EI_2 30$, $EI_2 60$ per EN 1634-1
- Smoke protection S_a/S_{200} per EN 1634-3
- Break-in resistance to RC3 per EN 1627

- Noise protection to 47 dB per EN ISO 717-1
- Air sealing to Cl. 4 per EN 12207
- Pressure resistance

SIZE RANGES (BASIC DIMENSIONS)

Dimensions refer to corner frame. For block frame, the maximum dimensions are somewhat larger.

From 500 × 580 mm
to 1125 x 2125 mm (max. 1.89 m²frame clearance)

STRUCTURAL ATTACHMENTS

- Masonry ≥ 175 mm
- Concrete ≥ 120 mm
- Standard install with surrounding frame
- Special install for floor-level installation with drop-down seal

OPTIONAL EQUIPMENT

- Panic version, also for RC2/RC3
- Self-locking locks
- Electronic locks

- Door condition contacts, bolt contacts
- Surface detection