



## B·S·T® DIN fire doors

### Effective protection against fire, smoke and much more if required

SOMMER B·S·T® DIN fire doors are tested according to DIN 4102 and approved by the DIBt for Germany. The pressure-resistant fillings used in conjunction with galvanised and painted 1.5 mm steel sheets with a door leaf thickness of 64 mm ensure high dimensional stability and strength.

#### Highlights

- Fire protection T30 and T90 per DIN 4102
- Smoke protection RS per DIN 18095
- Intrusion resistance to RC2 per EN 1627
- Ballistic resistance to FB7 per EN 1522
- Noise protection to 47 dB per DIN 52210 or EN ISO 717-1
- Air sealing to Cl. 4 per EN 12207
- Pressure resistance
- Waterproof to 950 mm water column (1-leaf from opening side)
- Special versions to customer order with type approval for the planned structure
- Dimensions
- Shielding attenuation (LEMP)

# B·S·T® DIN fire doors

## Technical data



### DESCRIPTION

B·S·T® DIN fire doors are tested per DIN 4102. The galvanised and painted sheet steel in a thickness of 1.5 mm and 64 mm thick door leaves with pressure-resistant infills ensure high dimensional stability and strength. The two three-part galvanised structural hinges ensure easy motion in constant use. As standard, a galvanised and painted corner frame of 2.5 mm sheet steel is used with the self-closing fire door with top door closer. Alternatively, block or closed frames can be used. SOMMER B·S·T® DIN fire doors can be combined with other safety requirements, like smoke, intrusion and ballistic protection. For indoor use only.

### VERSION

T30		T90	
1-leaf with/without top panel/ transom	2-leaf with/without top panel/ transom	1-leaf with/without top panel/ transom	2-leaf with/without top panel/ transom

### REQUIREMENTS

- Fire protection T30 and T90 per DIN 4102
- Smoke protection RS per DIN 18095
- Waterproof to 1.9 m water column (only 1-leaf version on opening side)
- Ballistic resistance to FB7 per EN 1522
- Noise protection to 47 dB per DIN 52210 or EN ISO 717-1
- Air sealing to Cl. 4 per EN 12207
- Pressure resistance

### SIZE RANGES (BASIC DIMENSIONS)

From 625 × 1750 mm  
to 1520 × 4000 mm

From 1375 × 1750 mm  
to 3000 × 4000 mm

From 1375 × 1750 mm  
to 3000 × 4000 mm

From 1375 × 1750 mm  
to 3000 × 4000 mm

Other sizes on request

### STRUCTURAL ATTACHMENTS

- Masonry ≥ 115 mm (depending on size)
- Concrete ≥ 100 mm (depending on size)
- Porous concrete ≥ 175 mm (1 leaf, depending on size)
- Plasterboard fire protection wall F90 ≥ 100 mm (with tubular reinforcement)
- Coated steel tube
- Concrete ≥ 240 mm (1 leaf ≥ 115 depending on the size)
- Concrete ≥ 140 mm (1 leaf ≥ 100 depending on the size)
- Coated steel tube (size restrictions)
- Standard installation, even floor
- Installation with stop
- Installation with stop seal
- Installation with drop down seal
- Installation with closed frame

### OPTIONAL EQUIPMENT

- Glass panel
- RC2 with panic version, also with glass panel
- Self-locking locks
- Electronic locks
- Electronic safety openers
- Door condition contacts, bolt contacts
- Surface detection
- Escape door and man-trap locking
- Revolving door drive