

# T 30 Fire-Resistant Door Set Model BERTSCH FH-4-S-OTG-37

## single-leaf fire-resistant door set T 30-1 with fanlight and steel frame assembly

### Classification according to DIN / EN

|           |                        |  |
|-----------|------------------------|--|
| Features: | Fire-Resistance Rating | T 30-1, fire-retardant according to DIN 4102 and EN 1634, approval no. Z-6.20-1971                                     |
|           | Climate Class Rating   | Class 2 as per DIN EN 122191 for testing conditions b as per DIN EN 1121 formerly climate category II as per DIN EN 79 |
|           | Smoke Protection       | according to DIN 18095   |
|           | Soundproofing          | Rw,P = 37 dB as per DIN 4109   |

### Guidelines

Installation: To be installed according to the General Building Approval and the Installation Instructions.

Wall Types: masonry (thickness  $\geq 115$  mm) as per DIN 1053, part 1  
concrete (thickness  $\geq 100$  mm) as per DIN 1045  
aerated concrete blocks or panels as per DIN 4165  
→ see additional services T 30 / RS / T 90  
F 90 frame walls as per DIN 4102, part 2

Basic Dimensions: Width 625 mm to 1,375 mm  
Height 1,750 mm to 3,500 mm

### Door Leaf

Performance Class: Mechanical stress of class 4 or E (extremely high) as per DIN EN 1192.

Visible Edges: Solid timber edge bands, clear finished beech.

Surface: Veneer surfaces are UV-clear finished.

Untreated Hardboard and Priming Film surfaces not coated.

Door Thickness: approx. 47 mm

Rebate: Standard 13 / 25.5 mm rebate on three sides, unrebated on the lower side.

Optionally unrebated on four sides.

→ Recommendation: 3-D adjustable hinges, see Surcharges

Lock: Fire-resistant profile cylinder lock, class 4 as per DIN 18250 part 1, stainless steel face plate, 65 mm backset, fitted.

Includes slots for handle and profile cylinder, handle height 1,050 mm from the finish floor as per DIN.

Hinges: 2 fitted hinges, VS 0039 or VS 0049, nickel-plated, built-in.

→ Recommendation: 3-D adjustable hinges, see Surcharges

Fittings: Fire-retardant door closer according to DIN EN 1154, with standard arm, silver-colored, supplied separately.

Frame designed for standard installation on the hinge side.

Fire-retardant handle certified according to EN 1906, black-colored, with short face plate for profile cylinder locks, supplied separately.

4 hinge plates VS 8900, nickel-plated (supplied separately).

Fanlight: F30 clear glass for interiors, on-site glazing.

Bottom sealing: Built-in

### Frame

Type: Single-part steel wrap-around frame certified according to DIN 18111, 1.5 mm galvanized steel sheet, mitre fillets, includes size markings, glazing beads and transom bar.

Surface: Primer coating, ready for final treatment.

Sealing: Special seal on three sides, gray-colored (supplied separately).

Face Width: Hinge side - 35 mm, opposite hinge side - 30 mm (50 mm for frames designed for plasterboards).

Backbend: 10 mm for load-bearing and plasterboard walls.

Floor Recess: 30 mm (no recess for stud wall door frames and for two-part frames).

Rebate: Designed for a standard 13 / 25.5 mm rebate in the door leaf as well as for unrebated leaves.

Hinge: 4 weld-pockets V 8600 for VS 8900 hinges.

→ Recommendation: 3-D adjustable hinges, see Surcharges

**For other options, see Additional services for T 30 / RS / T 90**

<sup>1</sup>please check the availability of approved designs.