

# T 30 Fire-Resistant Door Set Model BERTSCH FH-4-S-48

## single-leaf fire-resistant door set T 30-1 with 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 = 48 dB <sup>1</sup> as per DIN 4109
	Break-in Protection	RC 2 as per DIN EN 1627 formerly WK II as per DIN V 18 1031 → see additional services T 30 / RS / T 90

### Guidelines

Installation:	To be installed according to the General Building Approval and the Installation Instructions.
Wall Types:	masonry (thickness ≥ 115 mm) as per DIN 1053, part 1 concrete (thickness ≥ 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 2,565 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. 72 mm, includes claddings.
Rebate:	13 / 25.5 mm + 15 / 25 mm double rebate on three sides, unrebated on the lower side.
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, 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).
Bottom sealing:	Built-in
Cladding:	Surface corresponds to the door leaf, chipboard frame 25 mm, fitted.

### Frame

Type:	Single-part steel wrap-around frame certified according to DIN 18111, 1.5 mm galvanized steel sheet, mitre fillets, includes size markings.
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 (65 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:	13 / 25.5 + 15 / 25 mm double rebate in the door leaf.
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.