

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

## single-leaf fire-resistant door set T 30-1 with fanlight and wooden 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 12219 <sup>1</sup> 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

### 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 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 → 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. 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 3900, nickel-plated (supplied separately).
Fanlight:	F 30 clear glass for interiors, on-site glazing.
Bottom sealing:	Built-in
Cladding:	Surface corresponds to the door leaf, chipboard frame 25 mm, fitted.

### Frame

Type:	Wooden wrap-around frame, mitred, supplied in 3 parts. Frame claddings for double rebate formation, enclosed separately.
Material:	Special particle board approx. 23 mm thick.
Sealing:	Seal on three sides, white-, beige-, brown-, gray- or black-colored.
Face width:	60 mm
Backbend:	16 mm
Wall thickness compensation:	+15 / -5 mm, unrebated if throat size 100 mm +15 / -0 mm.
Rebate:	13 / 25.5 + 15 / 25 mm double rebate in the door leaf.
Hinge:	4 hinge pockets for VS 3900 hinges. → Recommendation: 3-D adjustable hinges, see Surcharges
Surface:	Veneer surfaces are UV-clear finished. Untreated Hardboard and Priming Film surfaces not coated.

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

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