T 90 Fire-Resistant Door Set Model BERTSCH FH-90/2-H-OTB-37

double-leaf fire-resistant door set T 90-2 with overpanel and wooden frame assembly

Classification according to DIN / EN

Features:	Fire-Resistance Rating	T 90-2, fire-retardant according to DIN 4102 and EN 1634, approval no. Z-6.20-1846
	Smoke Protection	according to DIN 18095
	Soundproofing	Rw,P = 37 dB as per DIN 4109[1]

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 1,375 mm to 2,600 mm Height to 3,580 mm
Leaf Widths:	Variable for fixed leaf, but from 700 to 1,300 mm for the movable leaf.

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. 58 mm
Rebate:	Special 46 / 25.5 mm rebate on three sides, unrebated on the lower side, fixed leaf with a rebate ledge, screws exposed. Optionally unrebated on three sides, central rebate and rebate ledge as above.
Lock:	Movable Leaf: 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. Fixed Leaf: rebate retracting bolt lock with a switch lock, locks automatically in upper and lower positions, includes ground sleeve (supplied separately).
Hinges:	4 or 6 fitted VX hinges, nickel-plated. For doors higher than 2,235 / 2,222 mm - 3 hinges.
Fittings:	Fire-retardant door closer with slide arm according to DIN EN 1154 with integrated closing sequence control, 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.
Overpanel:	Overpanel holder, bottom rebate with ledge, veneered surface.
Bottom sealing:	Built-in

Frame

Type:	Wooden wrap-around frame, mitred, supplied in 3 parts.
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:	Designed for a special 13 / 46 mm rebate in the door leaf as well as for unrebated leaves.
Hinge:	4 or 6 weld-pockets VX 7611 3D.
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

[1]please check the availability of approved designs.

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