

Double Leaf T90 (EI₂ 90-SaC5) Fire Retardant Steel Door

Fire Protection T90 (EI₂ 30-SaC5) tested acc. to EN 1634-1

Optional Audited Additional Functions

- Smoke Control	RS	tested acc. to DIN 1634-3
- Sound Insulation	up to 42 dB	tested acc. to EN ISO 10140-2
- Burglar Protection	RC1/RC2/RC3/RC4	tested acc. to EN 1627
- Fanlight, Top Panel, Side Panel		
- Stainless Steel		

Range of Dimension

Width from 1375 mm to 3250 mm
Height from 1750 mm to 3250 mm

Technical Specification and Tender Text

Product:	T90-1 (EI ₂ 90-SaC5) double leaf fire retardant steel door brand Buchele tested acc. to EN 1634-1		
Door Type:	TSN-12 (system Schroeders)		
Structural Opening: x mm		
Door Leaf:	69 mm thick, three sides rebated, thin or thick rebate securing pin		
Threshold:	Separation sill surface galvanized		
Frame:	3-sided corner frame with sealing profile in the rebate		
Hinges:	Three-part construction hinges with ball bearing spacer ring		
Door Closer:	2 pieces door closer system with standard arm 1 piece door coordinator		
Fitting:	Mortise lock with latch lever function (prepared for installation of a profile cylinder lock, provided by customer) Door handle set synthetic material black in U-shape with round plated short-plate. Passive leaf with concealed shoot bolt lock		
Surface:	Door leaf and frame galvanized and primed with 2K-PUR primer (Very High Solid) similar RAL 7035		
Assembly:	Delivery and professional assembly including filling of the frame with mortar of group III.		
Installation:	Masonry	≥ 115 mm	(from 2510 x 2510 mm ≥ 175 mm)
	concrete	≥ 100 mm	(from 2510 x 2510 mm ≥ 140 mm)
	areated concrete	≥ 175 mm	(from 2510 x 2510 mm ≥ 200 mm)
	mounting wall F90	≥ 125 mm	(up to max. 2510 x 2510 mm)

Supplementary Equipment

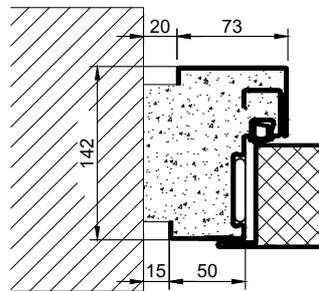
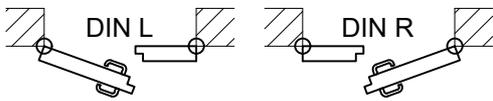
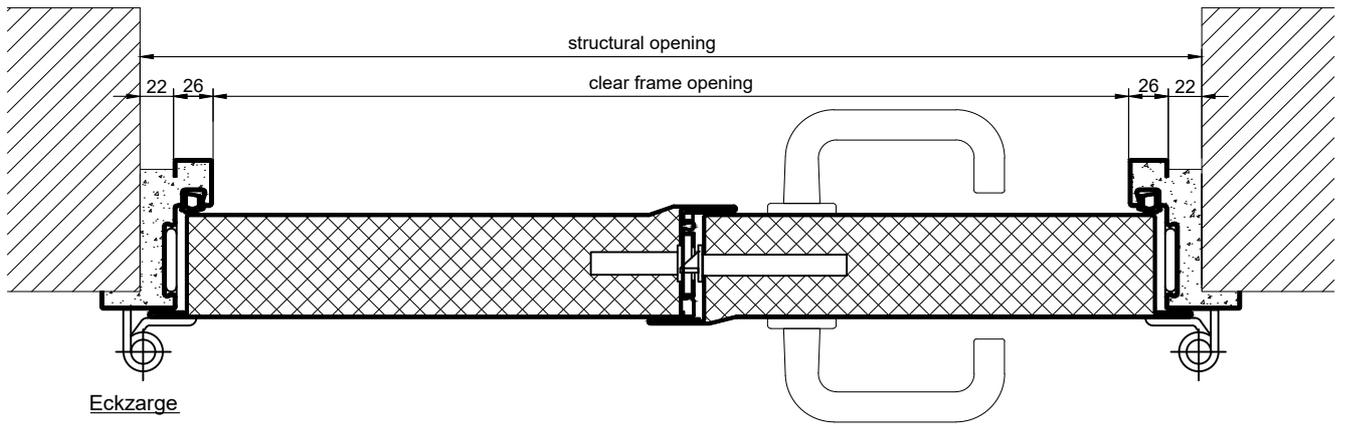
Glazing:

F90 fire-protective glazing fixed with profiled and visible screwed steel glazing bars.

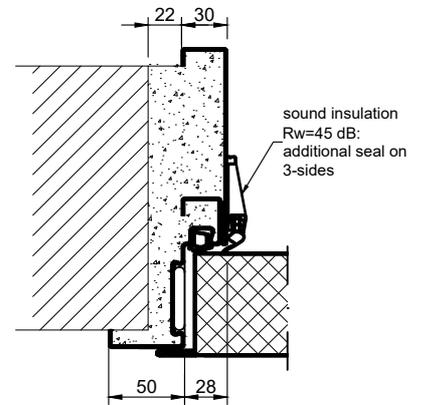
Minimum border 130 mm all round
max. size of glass 940 x 1900 mm.

Stainless Steel:

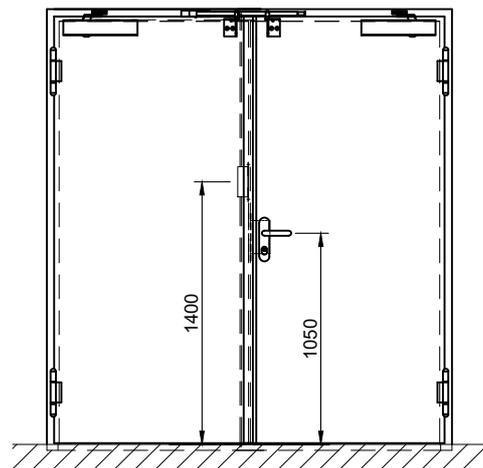
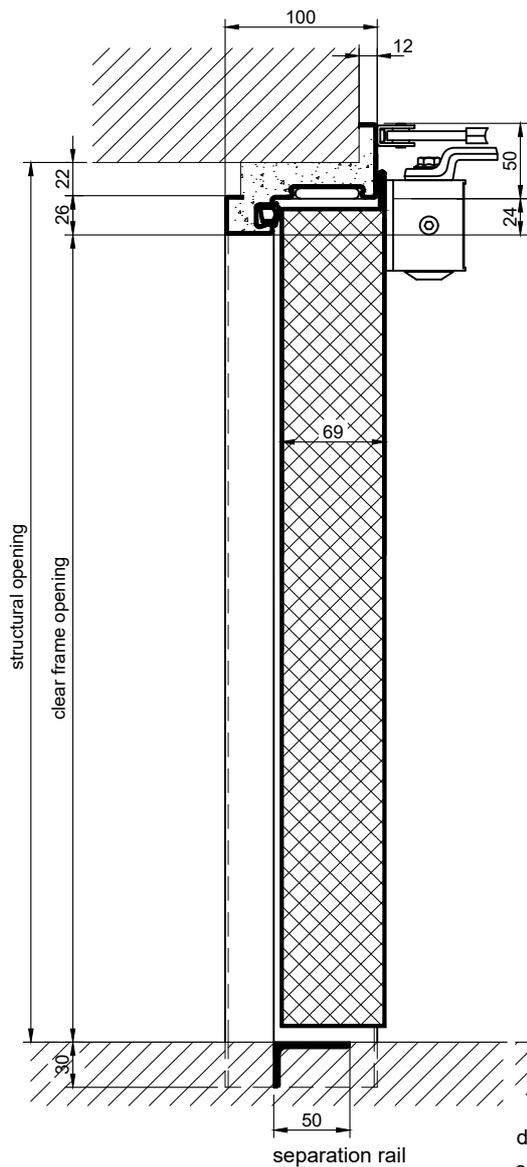
Material 1.4301 (V2A) or 1.4404 (V4A),
Surface mill finish or brushed.



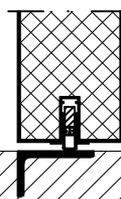
block frame



encasing frame



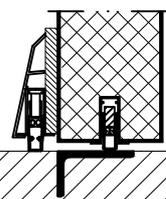
thresholds (more on request):



drop seal
sound insulation Rw = 35 dB



slide seal
sound insulation Rw = 39 dB



sound insulation Rw = 43 dB