

Single Leaf EI₂90 / T90 Fire Resistant Air Tight Steel Door

Fire Protection	EI₂90 / T90	tested acc. to EN 1634-1
Smoke Control (optional)	S_a, S₂₀₀ / RS	tested acc. to EN 1634-3
Self-Closing (optional)	up to C5	tested acc. to EN 1191
Air Tight	class 4	tested acc. to EN 1026 up to 1,0 m³ / hm² at 2000 Pa

Optional Audited Additional Functions

- Sound Insulation	up to R _{w,P} 54 dB	tested acc. to EN ISO 10140-2
- Burglar Protection	RC2/RC3	tested acc. to EN 1627
- Bullet Resistance	FB4/FB6	tested acc. to EN 1522
- Rain- and Fire-Water Tight	class 6A	tested acc. to EN 1027
- Wind load Resistance	up to class C5	tested acc. to EN 1221
- Blast Resistance	up to 20 kPa	tested acc. to EN 13124-1
- Explosion Protection	up to zone 1/21	acc. to EN 1127-1 or ATEX 2014/34/EU
- Stainless Steel		

Range of Dimension

Range of Dimension for Doors Width from 625 mm to 1500 mm
Height from 1750 mm to 3000 mm

Range of Dimension for Hatches Width from 625 mm to 750 mm
Height from 500 mm to 1750 mm

Technical Specification and Tender Text

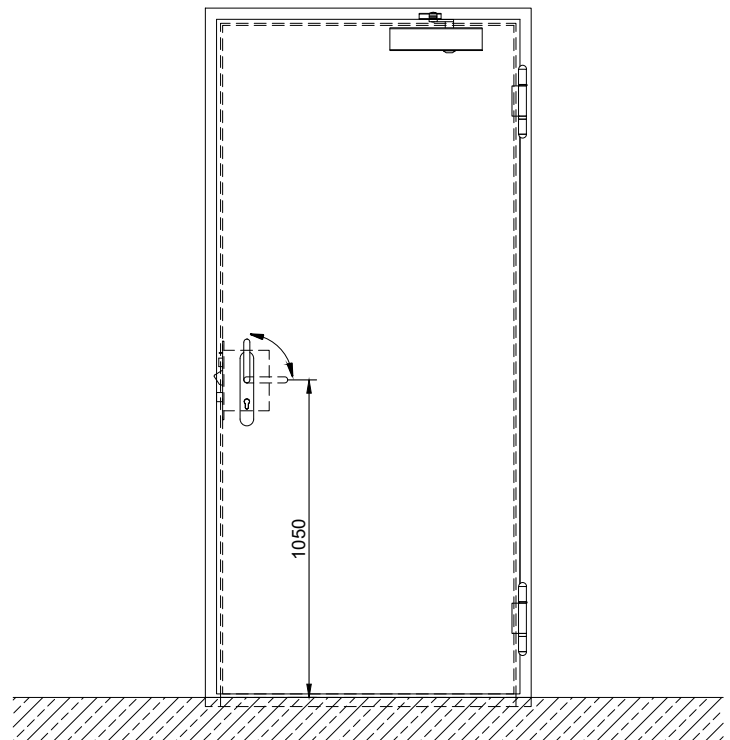
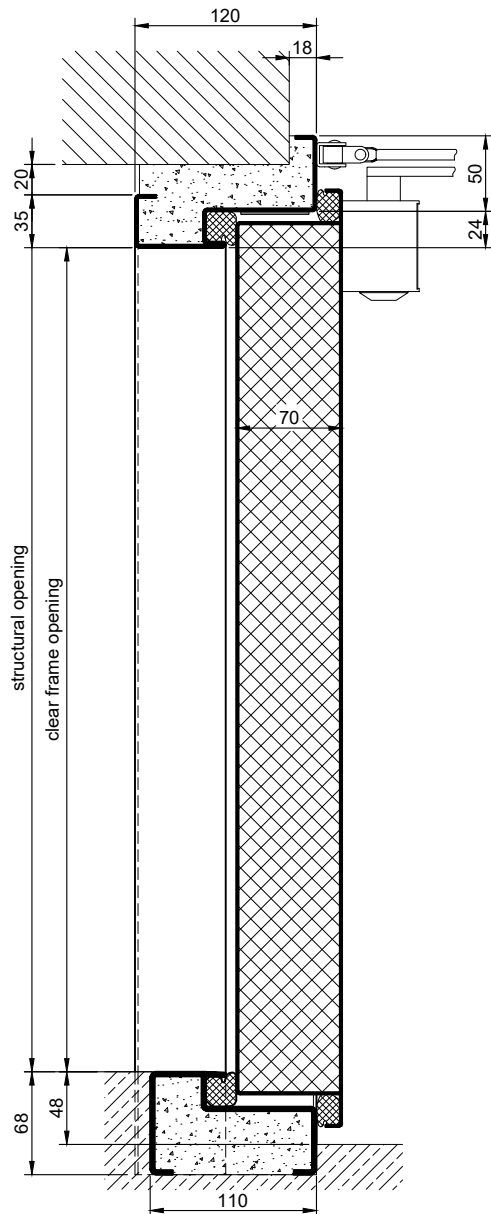
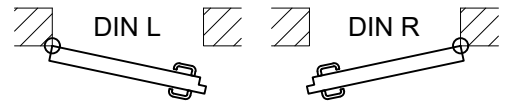
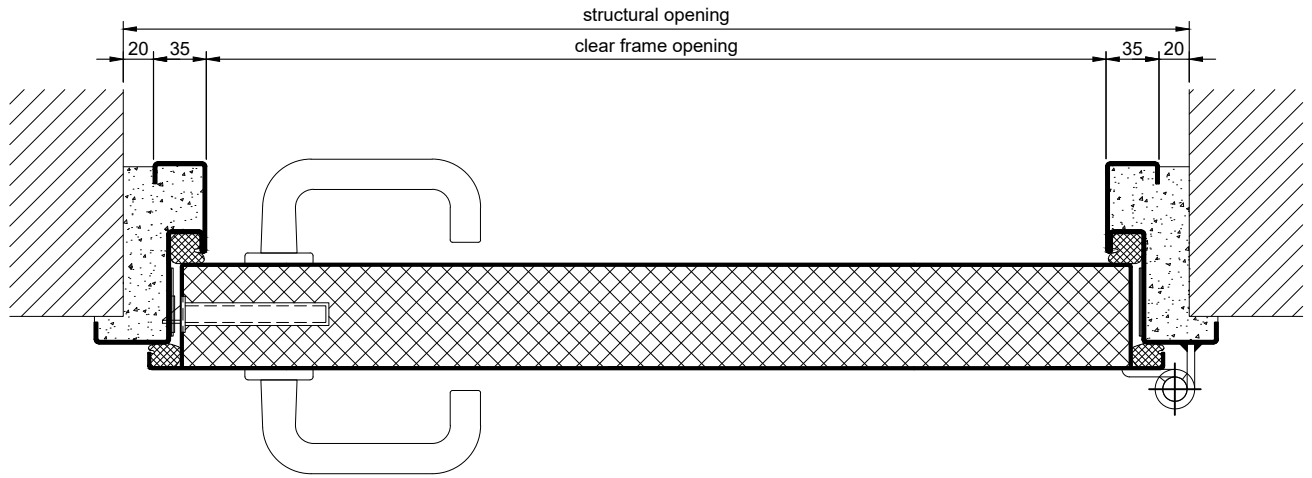
Product:	EI₂90 / T90 single leaf fire resistant and air tight steel door brand Buchele tested acc. to EN 1634-1 and EN 1026
Door Type:	PLANE Line PL 901 BASIC
Air Tight:	class 4
Structural Opening: x mm
Door Leaf:	Double-walled, planar 70 mm thick steel door leaf without hinge embossing, three sides rebated with thick rebate. Special insulating inserts fully laid-in and glued. Securing pin screwed in door leaf rebate.
Threshold:	Stop sill, surface galvanized and welded to the frame.
Frame:	3-sided circumferential rebated corner frame with visible black coated intumescent material in rebate. High-quality multi chamber sealing profile adjustable fixed in the three-sided groove.
Hinges:	Three-part, height adjustable construction hinges with hinge pin retention and ball bearing spacer ring for smooth door movement.
Door Closer:	Door closer system with standard arm acc. to EN 1154 silver coloured mounted on hinge side.

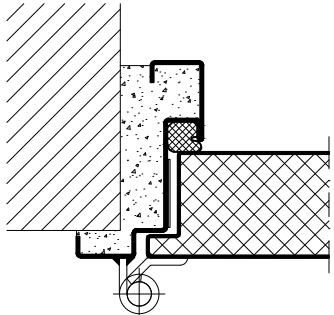
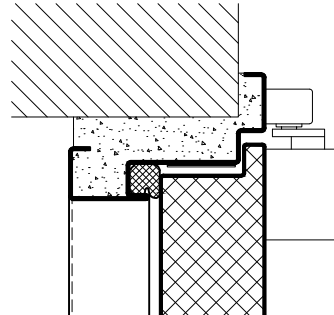
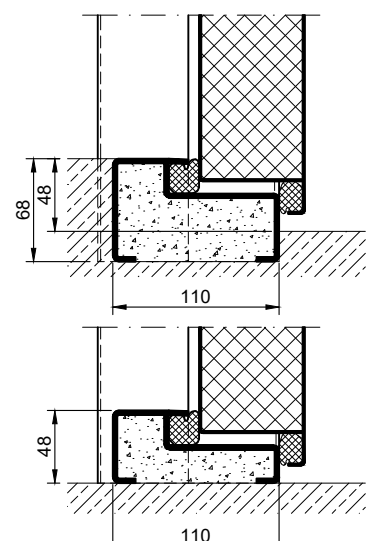
Fitting:	Heavy-duty wedge clamping lock with solid locking wedge, spring-suspended lock latch and automatic maloperation interlock system. Lock prepared for installation of a profile cylinder lock, provided by customer. Door handle set in acc. to EN 1906 fixed pivoted synthetic material black in U-shape with rounded short-plate.
Surface:	Door leaf and frame galvanized und primed with 2K-PUR primer (Very High Solid) similar RAL 7035.
Installation:	masonry ≥ 175 mm concrete ≥ 140 mm areated concrete ≥ 200 mm mounting wall F60 ≥ 125 mm

Supplementary Equipment

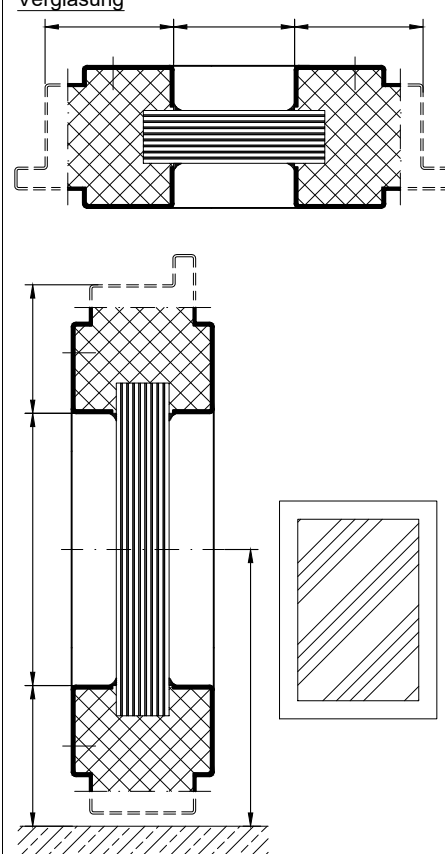
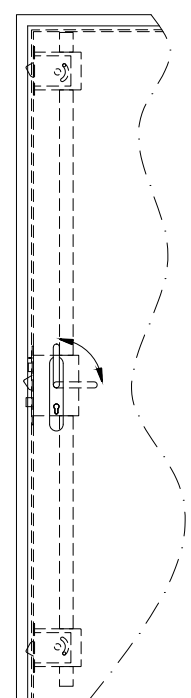
Glazing:	F90 fire-protective glazing fixed with profiled and visible screwed steel glazing bars. Minimum border 125 mm on side and top, base 300 mm.
Stainless Steel:	Material 1.4301 (V2A) or 1.4404 (V4A), Surface mill finish or brushed.
BUCHELE DELUXE:	The exclusive surface coating.

BASIC - Version



PREMIUM - Version		Thresholds
<p>construction hinges</p> 	<p>slide rail door closer</p> 	<p>full sill</p> 

Optionen

<p>Verglasung</p> 	<p>3-point Buchele wedge latch lock for 1,0 m³/hm² at 2000 Pa</p> 
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1.44.4 PLANE LINE PL 901 LDX_EN

Zargen BASIC	Zargen PREMIUM	Varianten (Darstellung BASIC)
<p>corner frame</p>	<p>corner frame</p>	<p>corner frame with additional frame</p>
<p>encasing frame</p>	<p>encasing frame</p>	<p>encasing frame with counter frame</p>
<p>block frame</p>	<p>block frame</p>	
<p>corner frame with counter frame</p>	<p>corner frame with counter frame</p>	<p>corner frame at support / pillar</p>
<p>profile block frame</p>	<p>profile block frame</p>	<p>pre-wall frame</p>