

Single Leaf PLANE Line Air Tight Steel Door

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} 54dB	tested acc. to EN ISO 10140-2
- Burglar Protection	RC2/RC3	tested acc. to EN 1627
- Bullet Resistance	FB4/FB6-NS	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 12211
- 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

Width from 500 mm to 1250 mm
Height from 500 mm to 2250 mm

Technical Specification and Tender Text

Product: PL 1 single leaf air tight steel door
brand Buchele tested acc. to EN ISO 1026

Door Type: PLANE Line PL 1 (LD X) BASIC

Air Tight Class: 4

Structural Opening: x mm

Door Leaf: Double-walled, planar 70 mm thick steel door without hinge embossing,
three sides rebated with thick rebate
Special insulating inserts fully laid-in and glued.

Threshold: Full sill with high-quality multi-chamber sealing profile, adjustable fixed in
the rebate. Surface galvanized and welded to the frame.

Frame: 3-sided circumferential rebated corner frame.
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.

Lock: Wedge clamping lock in a solid design with robust locking wedge,
spring-loaded lock latch und automatic maloperation system.
Lock prepared for installation of a profile cylinder lock, provided by
customer.

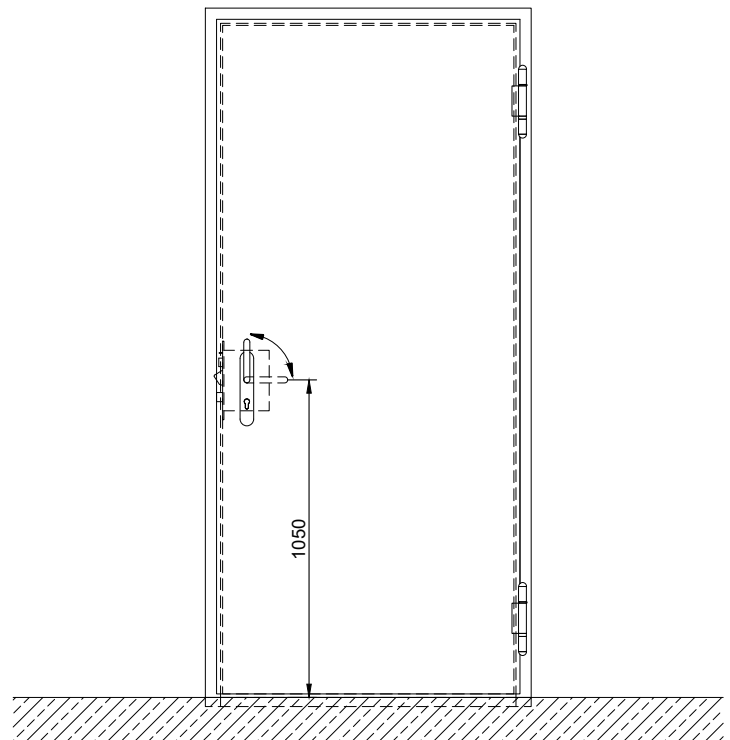
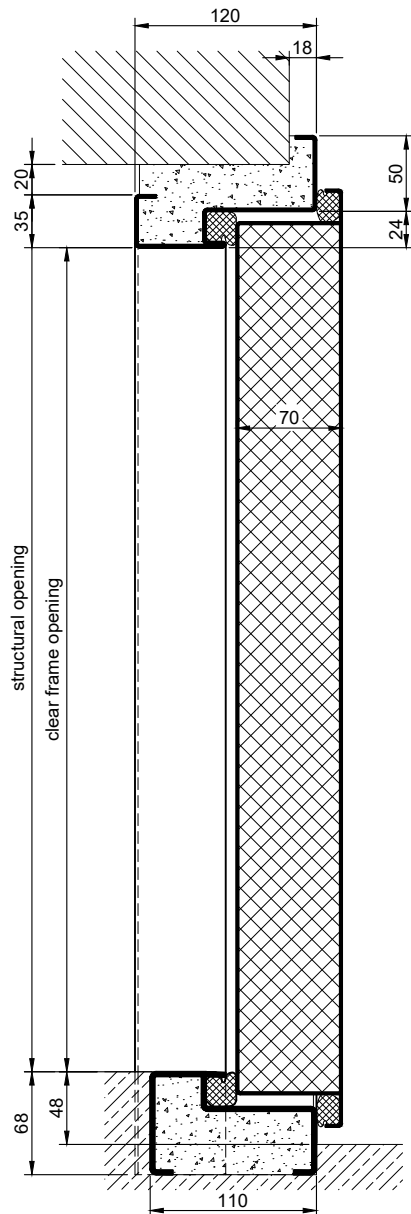
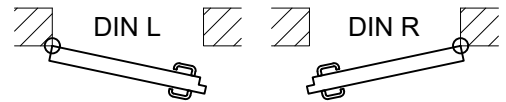
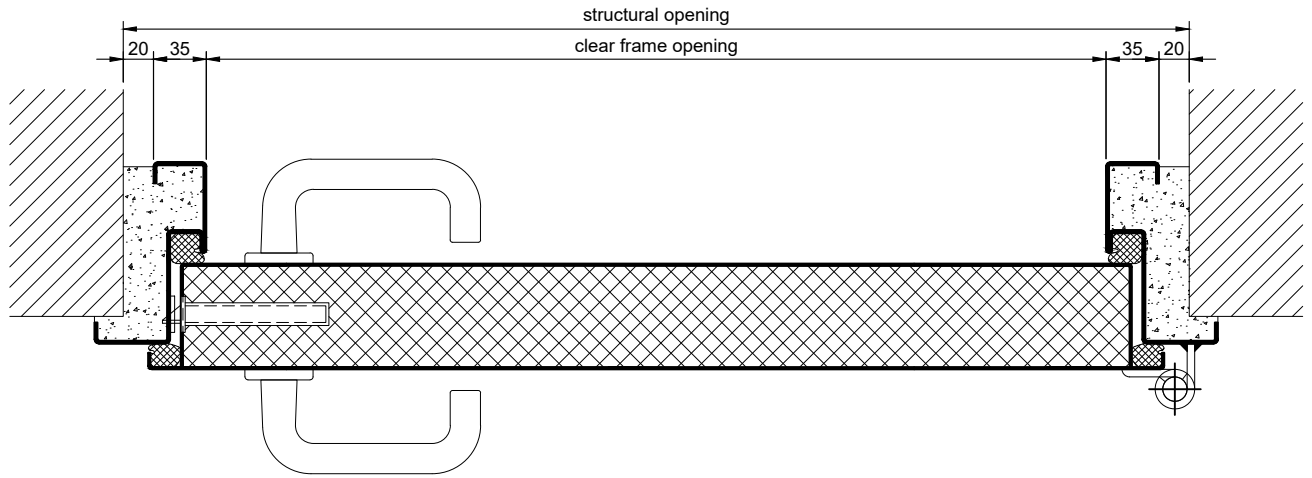
Fitting: Door handle set in acc. to EN 1906 fixed pivoted stainless steel in
U-shape with rounded long-plate.

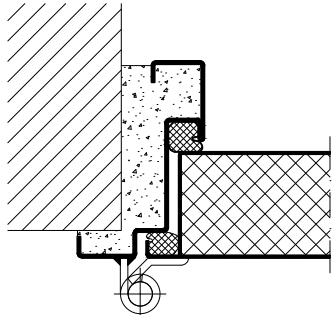
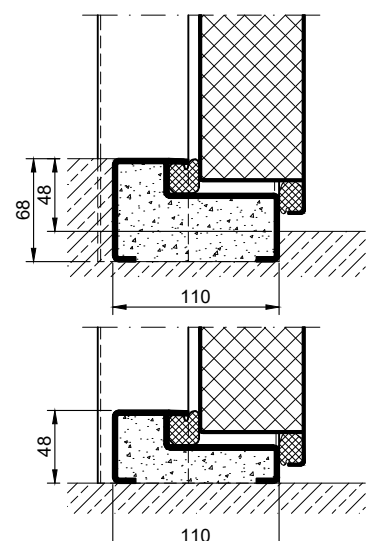
Surface: Door leaf and frame galvanized und primed with 2K-PUR primer (Very
High Solid) similar RAL 7035.

Supplementary Equipment

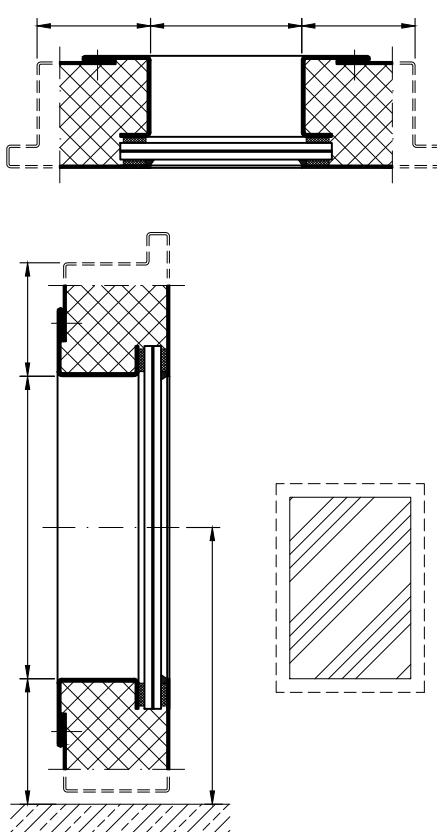
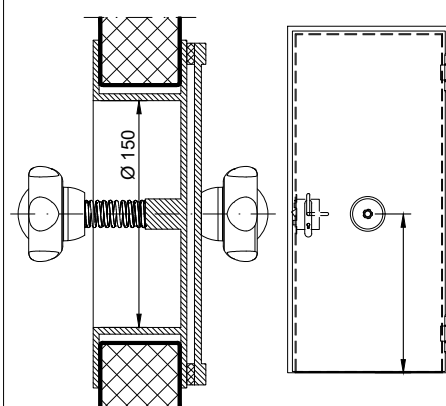
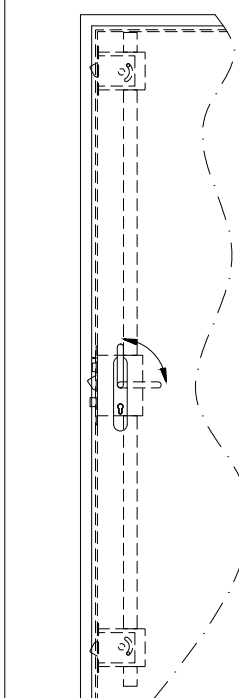
Standard Glazing:	Single glazing or insulating glazing fixed with profiled and visible screwed steel glazing bars. Minimum border 125 mm on side and top, base 300 mm.
Flush Glazing:	PLANE Line special triple-glazing flush mounted with outer edge of door leaf on hinge side and opposite hinge side. Edge enamelling and permanent elastic glazing joint in colour black RAL 9004. 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

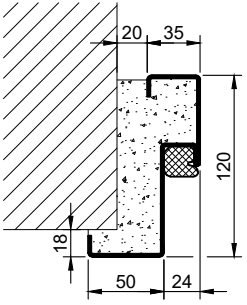
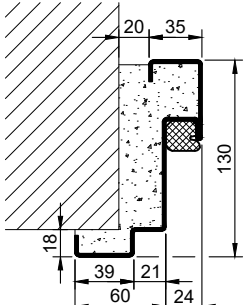
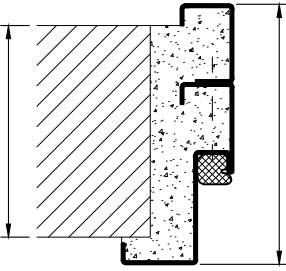
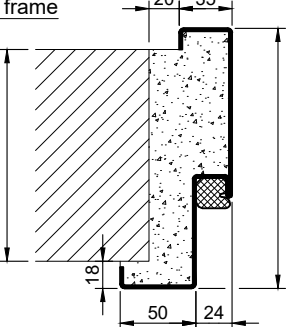
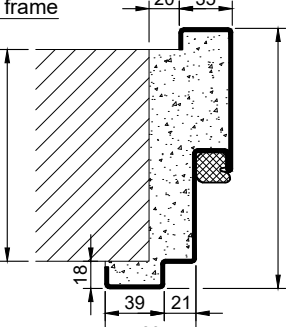
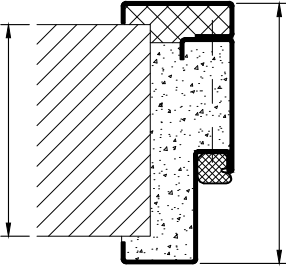
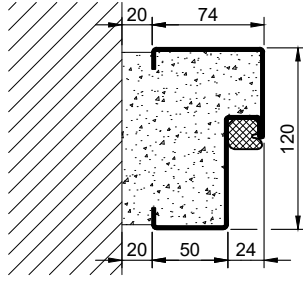

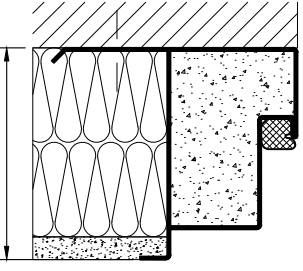
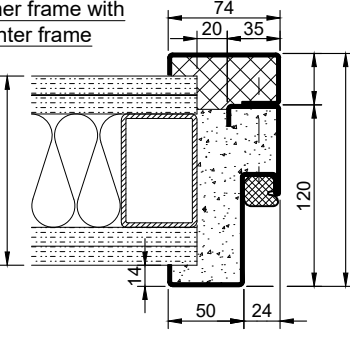
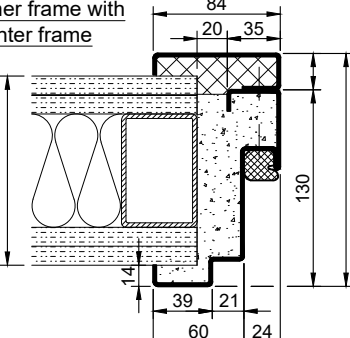
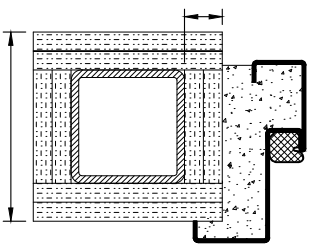
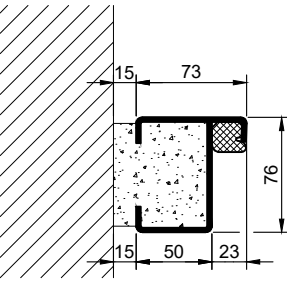
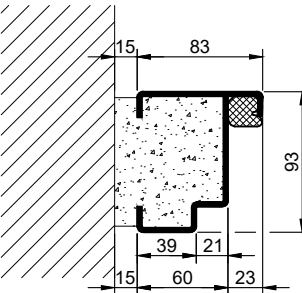


PREMIUM Version		Thresholds
<p>construction hinges</p> 		<p>full sill</p> 

Options

<p>glazing</p> 	<p>pressure compensation valve</p> 	<p>3-point Buchele wedge latch lock for 1,0 m²/hm² at 2000 Pa</p> 
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6.0.4_PLANE LINE PL 1_LDX_EN

Frames BASIC	Frames PREMIUM / SUPERIOR	Variants (illustration 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>juted 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> 