

Double Leaf EI₂₃₀ / T30 Fire Retardant Steel Gate

Fire Protection	EI₂₃₀ / T30	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

Certified in accordance with DIN EN 16034 / 13241

Optional Audited Additional Functions

- Sound Insulation	up to 48 dB	tested acc. to EN ISO 10140-2
- Burglar Protection	RC2/RC3/RC4/RC5	tested acc. to EN 1627
- Bullet Resistance	FB4-NS	tested acc. to EN 1522
- Air Tight	up to class 3	tested acc. to EN 12426
- Rain- and Fire-Water Tight	class 1	tested acc. to EN 124265
- Wind load Resistance	up to class 4	tested acc. to EN 12424
- Blast Resistance	up to 8 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 3000 mm to 5000 mm
Height from 3000 mm to 5000 mm

Technical Specification and Tender Text

Product:	EI₂₃₀ / T30 double leaf fire retardant steel gate brand Buchele tested acc. to EN 1634-1
Door Type:	PLANE Line PL 302 XXL BASIC
Structural Opening: x mm
Door Leaf:	Double-walled, planar 84 mm thick steel door leaf without hinge embossing, three sides rebated with thick rebate. Without bottom stop. Special insulating inserts fully laid-in and glued. Passive leaf with multi-chamber sealing profile in the middle rebate. Securing pin screwed in door leaf rebate.
Threshold:	Floor bracket as separation 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:	2 pieces door closer system with standard arm acc. to EN 1154 silver coloured mounted on hinge side. Door coordinator and 2 pieces of 30 mm high brackets with plastic roller.

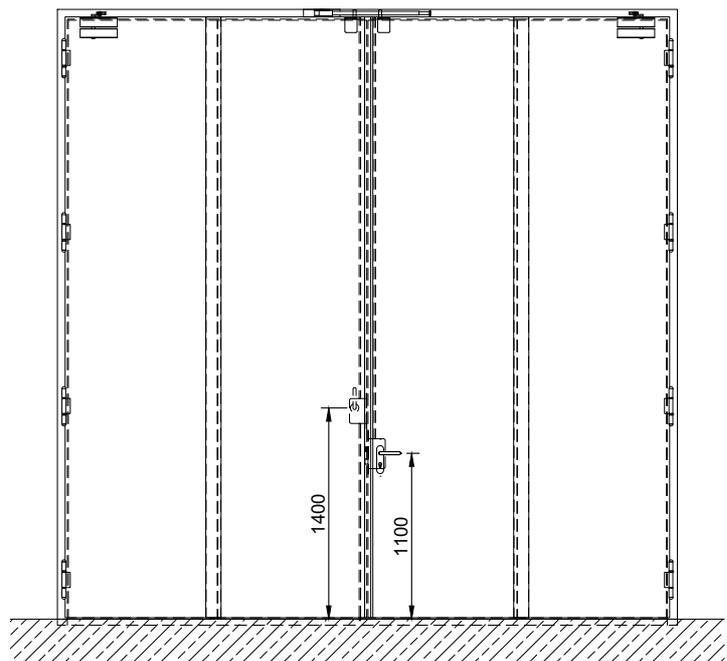
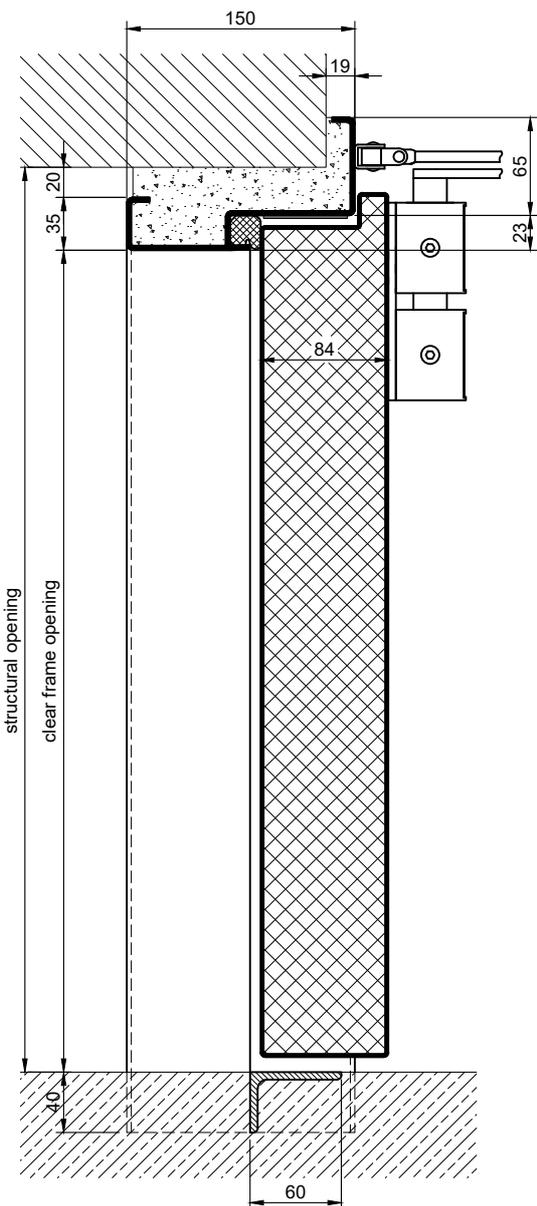
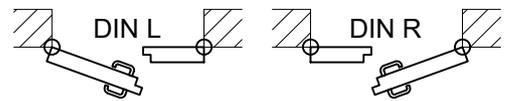
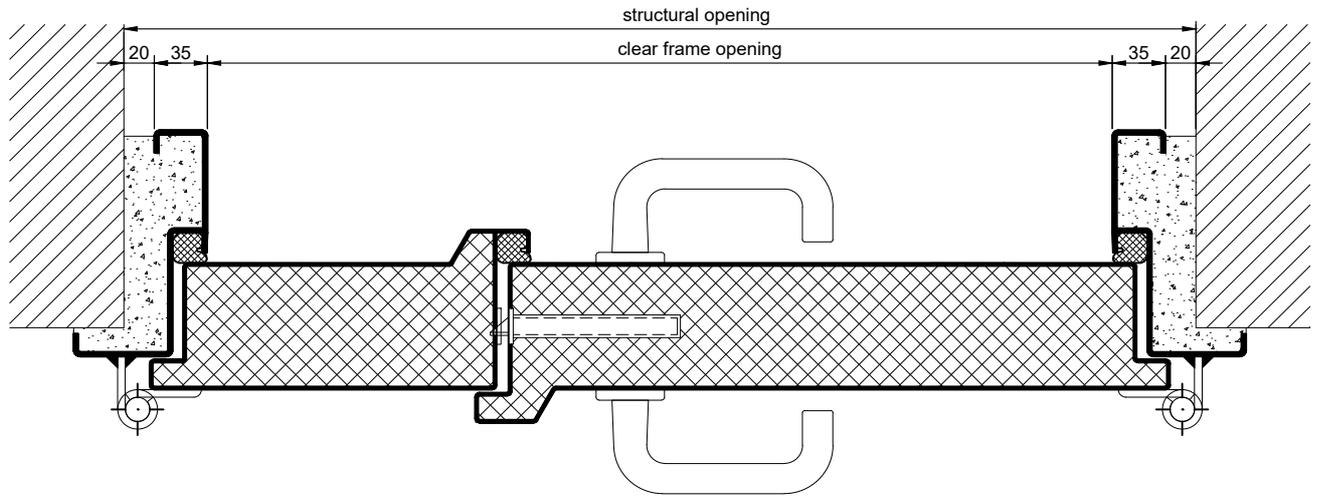
Fitting:	Active leaf with mortise lock with latch lever function acc. to EN 12209 (prepared for installation of a profile cylinder lock, provided by customer). Door handle set in acc. to EN 1906 fixed pivoted synthetic material black in U-shape with rounded short-plate. Passive leaf with self-locking concealed shoot bolt lock with upper switch lock.	
Surface:	Door leaf and frame galvanized und primed with 2K-PUR primer (Very High Solid) similar RAL 7035.	
Installation:	masonry	≥ 240 mm
	concrete	≥ 240 mm
	areated concrete	on request
	covered steel support elements	on request

Alternative: PLANE Line PL 302 PREMIUM with flush mounted optics

Frame:	3-sided circumferential rebated PLANE Line special corner frame for flush mounted optics on hinge side. 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:	Up to a width of gate of 3300 mm Slide rail door closer system acc. to EN 1154 silver coloured mounted on hinge side. From a width of gate of 3300 mm 2 pieces door closer system with standard arm acc. to EN 1154 silver coloured mounted on hinge side. Door coordinator and 2 pieces of 30 mm high brackets with plastic roller.

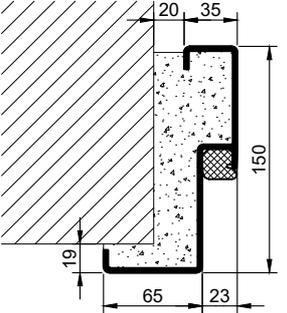
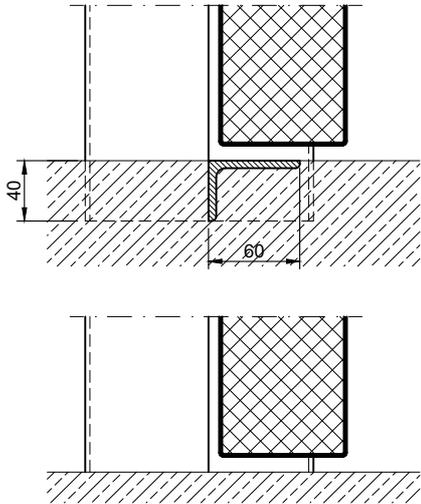
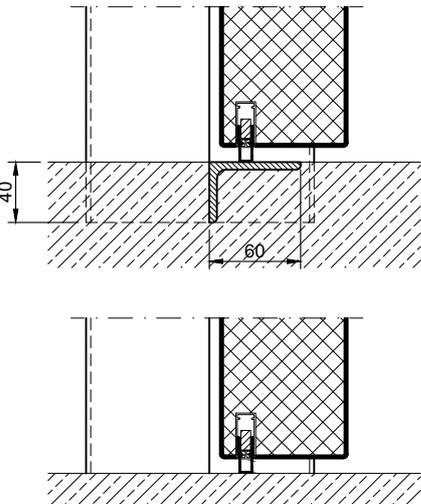
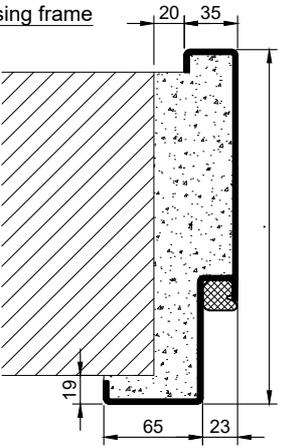
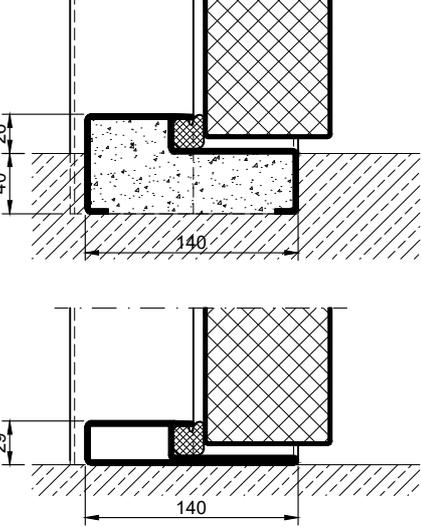
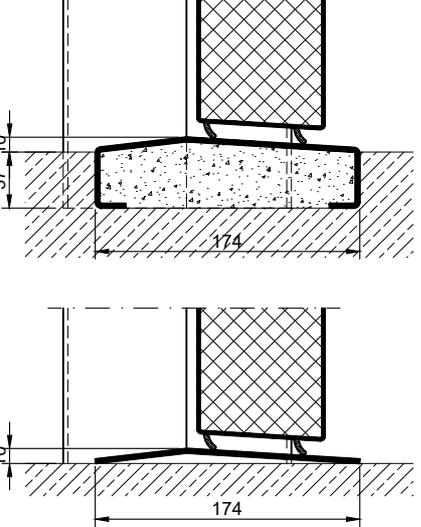
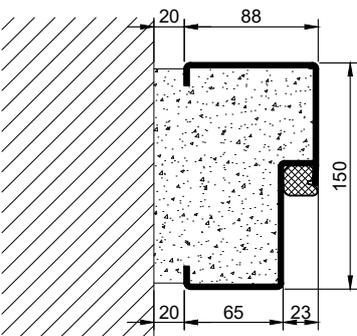
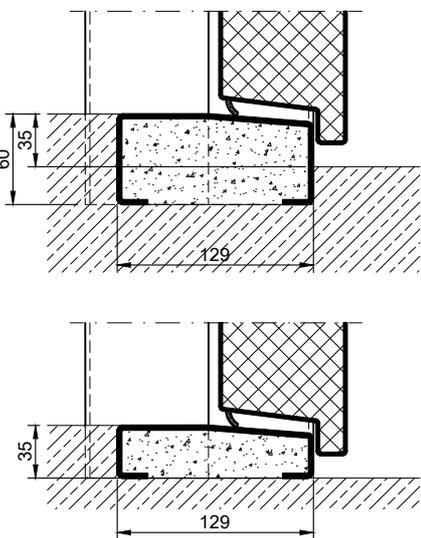
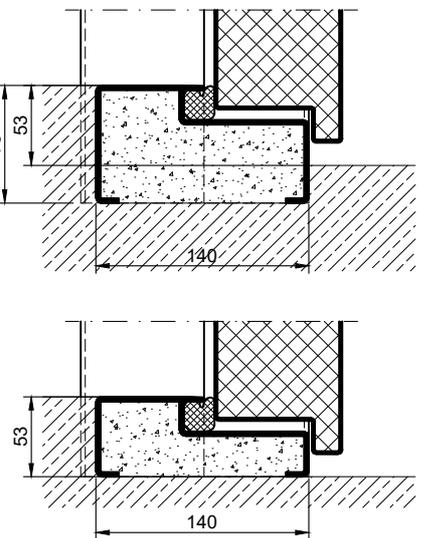
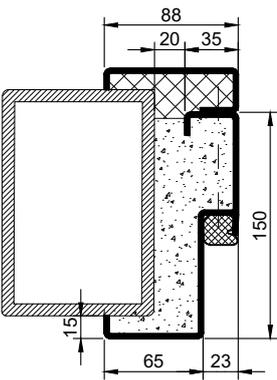
Supplementary Equipment

Standard Glazing:	F30 fire-protective 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 F30 special 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.



1.10.2_PLANE LINE PL 302 XXL_EN

technical modifications reserved - edition 03/2024

Frames	Thresholds	
<p>corner frame</p> 	<p>separation sill</p> 	<p>drop seal</p> 
<p>encasing frame</p> 	<p>stop sill with seal</p> 	<p>hump sill</p> 
<p>block frame</p> 	<p>half sill</p> 	<p>full sill</p> 
<p>corner frame with counter frame</p> 		

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