

### Double Leaf PLANE Line Acoustic Gate

**Sound Insulation**  $R_{w,P}$  **42 dB** tested acc. to EN ISO 10140-2

### Optional Audited Additional Functions

- Burglar Protection	<b>RC2/RC3/RC4/RC5</b>	tested acc. to EN 1627
- Bullet Resistance	<b>FB4-NS</b>	tested acc. to EN 1522
- Air Tight	<b>up to class 3</b>	tested acc. to EN 12426
- Rain- and Fire-Water Tight	<b>class 1</b>	tested acc. to EN 12425
- Wind Load Resistance	<b>class 4</b>	tested acc. to EN 12424
- Blast Resistance	<b>up to 8 kPa</b>	tested acc. to EN 13124-1
- Explosion Protection	<b>up to zone 1/21</b>	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

<b>Product:</b>	<b>PL 2 XXL double leaf acoustic gate</b> brand Buchele tested acc. to EN ISO 10140-2
<b>Door Type:</b>	<b>PLANE Line PL 2 XXL BASIC</b>
<b>Sound Insulation <math>R_{w,P}</math></b>	<b>42 dB</b>
<b>Structural Opening:</b>	<b>.... x .... mm</b>
<b>Door Leaf:</b>	Double-walled, planar 84 mm thick steel door leaf without hinge embossing, three sides rebated with thick rebate and adjustable fixed sealing profile in the 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. Drop sealing system.
<b>Threshold:</b>	Floor bracket as separation sill. Surface galvanized and welded to the frame.
<b>Frame:</b>	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.
<b>Hinges:</b>	Three-part, height adjustable construction hinges with hinge pin retention and ball bearing spacer ring for smooth door movement.
<b>Fitting:</b>	<b>Active leaf</b> 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. <b>Passive leaf</b> with surface-mounted 2-point locking system operated by an espagnolette bolt with loop handle.

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

**Alternative:** PLANE Line PL 2 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.

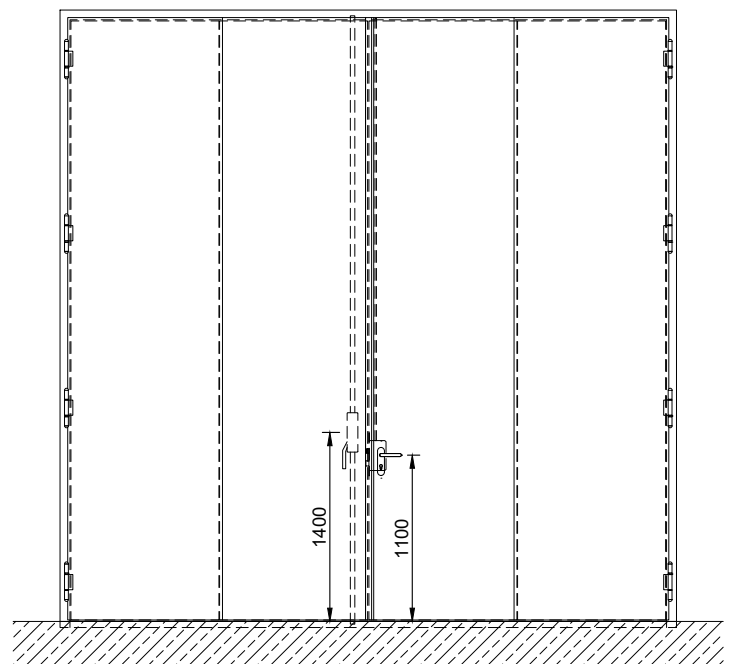
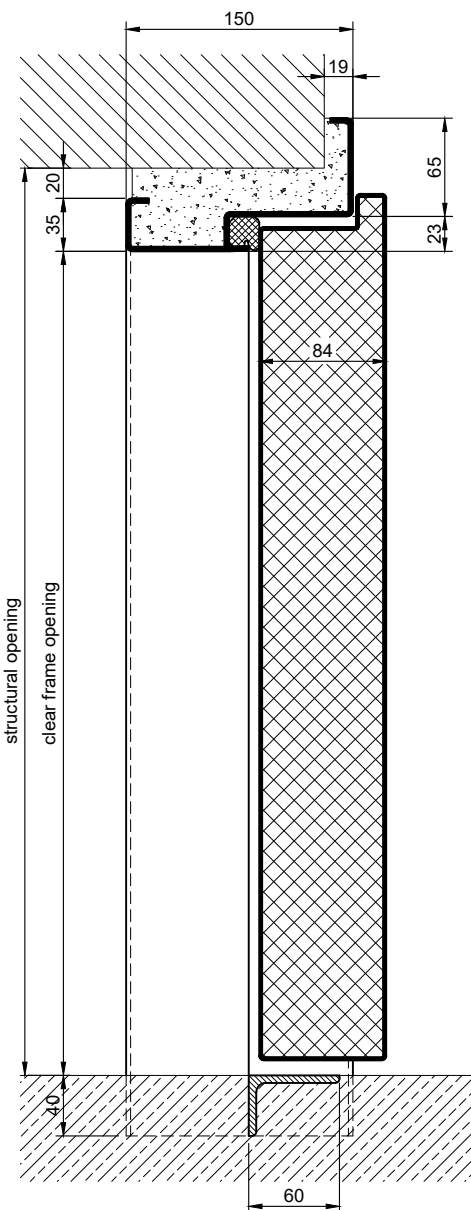
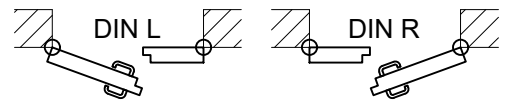
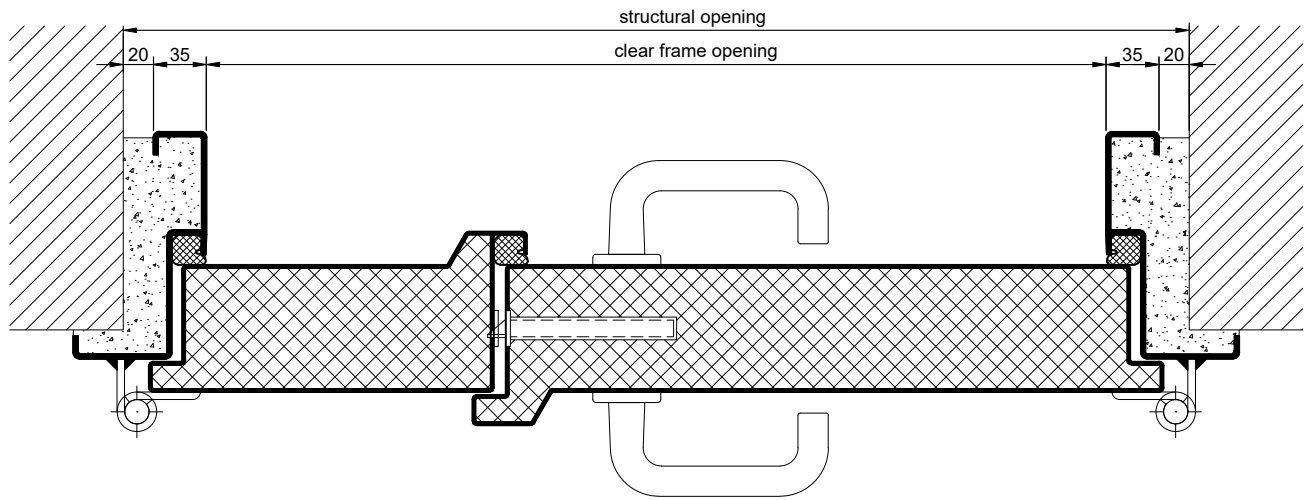
**Hinges:** Three-part, height adjustable construction hinges with hinge pin retention and ball bearing spacer ring for smooth door movement.

### Supplementary Equipment

**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.

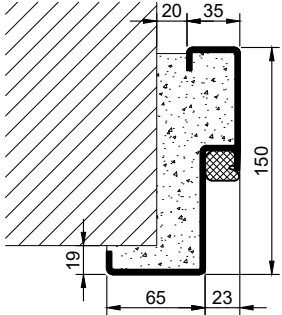
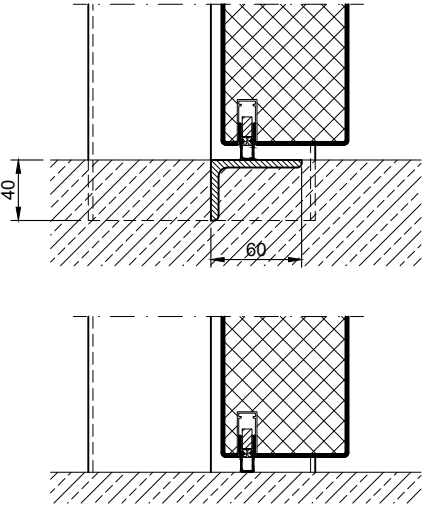
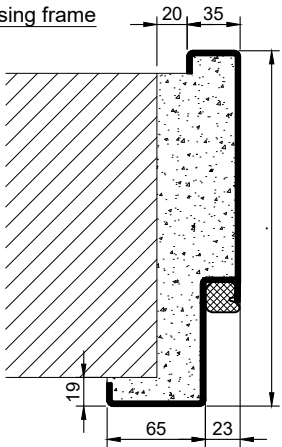
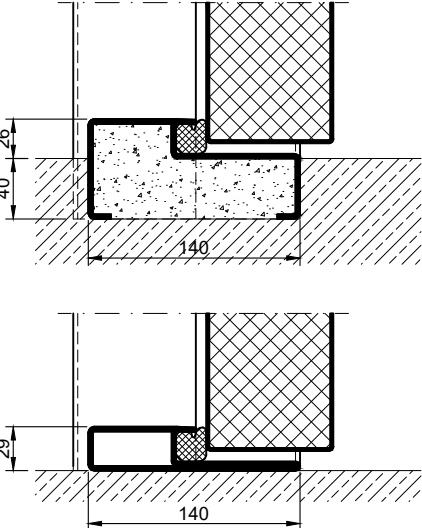
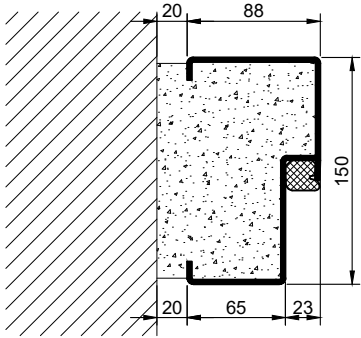
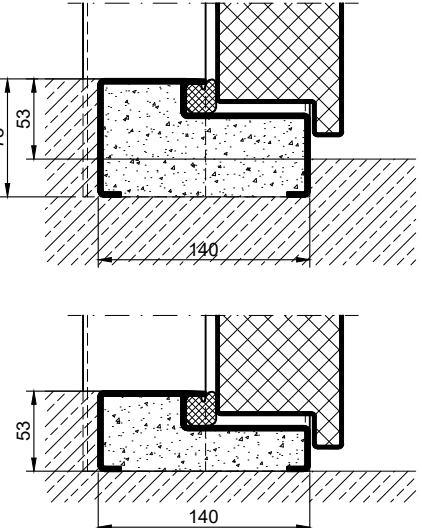
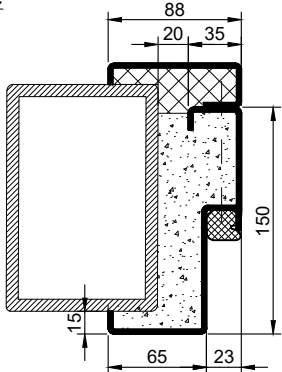
**Stainless Steel:** Material 1.4301 (V2A) or 1.4404 (V4A),  
Surface mill finish or brushed.

**BUCHELE DELUXE:** The exclusive surface coating.



2.10.13\_PLANE LINE PL 2 XXL 42.DB\_EN

technical modifications reserved - edition 05/2024

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

2.10.13\_PLANE LINE PL 2 XXL 42.DB\_EN