

## Double Leaf ROTARY Line Vertically Pivoted Acoustic Door

**Sound Insulation****R<sub>w,P</sub> 342 dB****tested acc. to EN ISO 10140-2**

### Optional Audited Additional Functions

- Burglar Protection	<b>RC2/RC3</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 1026
- Wind load Resistance	<b>class C5</b>	tested acc. to EN 12211
- Blast Resistance	<b>up to 2 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 1750 mm to 3000 mm****Height from 1750 mm to 3500 mm**

### Technical Specification and Tender Text

<b>Product:</b>	<b>RL 2 double leaf vertically pivoted steel door brand Buchele tested acc. to EN 1634-1 und EN ISO 10140-2</b>
<b>Door Type:</b>	<b>ROTARY Line RL 2</b>
<b>Sound Insulation R<sub>w,P</sub></b>	<b>42 dB</b>
<b>Structure Opening:</b>	<b>.... x .... mm</b>
<b>Door Leaf:</b>	Double-walled, planar 93 mm thick steel door leaf, two sides rebated with thick rebate and adjustable fixed sealing profile in rebate. Without bottom stop. Special insulating inserts fully laid-in and glued. Passive leaf with multi-chamber sealing profile in the middle rebate. Drop sealing system in bottom part of the door. Lift sealing system in top part of the door.
<b>Threshold:</b>	Floor bracket as separation sill. Surface stainless steel and welded to the frame.
<b>Frame:</b>	3-sided circumferential rebated block frame with visible black coated intumescent material in rebate. High-quality multi chamber sealing profile adjustable fixed in the two-sided groove.
<b>Hinges:</b>	Concealed hinge system integrated in frame and floor, ball bearing mounted for smart door movement. The door leaf rotates around a vertical axis.
<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 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.

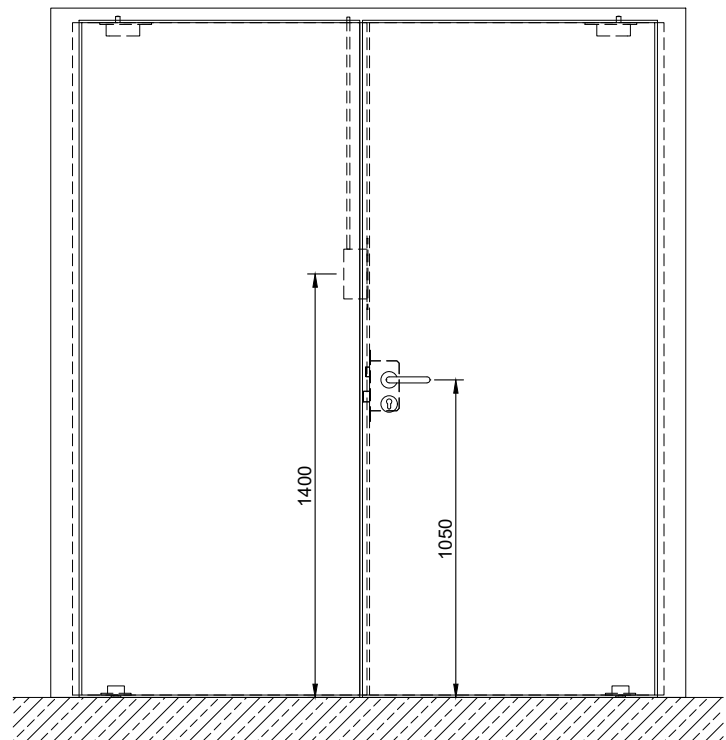
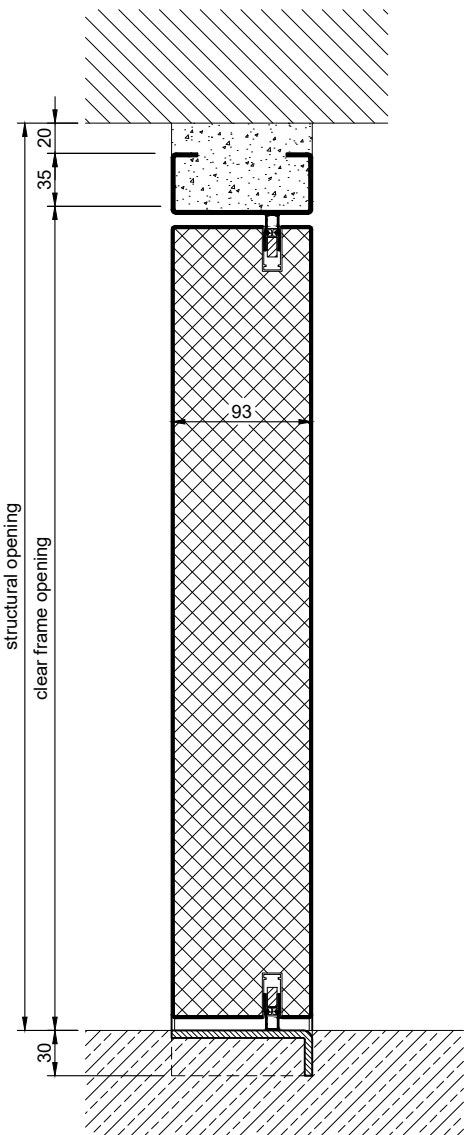
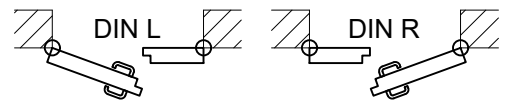
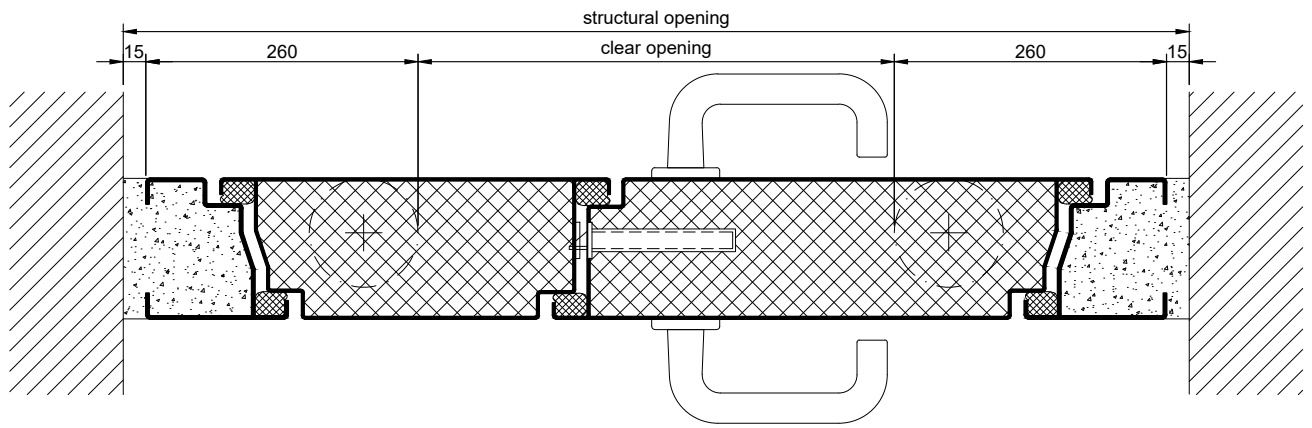
### Supplementary Equipment

**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:** 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.



2.11.2. ROTARY LINE RL 2 42DB\_EN

technical modifications reserved - edition 05/2024