

## Double Leaf EI<sub>230</sub> / T30 Fire Retardant Acoustic Steel Door

<b>Fire Protection</b>	<b>EI<sub>230</sub> / T30</b>	<b>tested acc. to EN 1634-1</b>
<b>Smoke Control</b>	<b>S<sub>a</sub>, S<sub>200</sub> / RS</b>	<b>tested acc. to EN 1634-3</b>
<b>Self-Closing</b>	<b>up to C5</b>	<b>tested acc. to EN 1191</b>
<b>Sound Insulation</b>	<b>R<sub>w,P</sub> 55 dB</b>	<b>tested acc. to EN ISO 10140-2</b>

### Optional Audited Additional Functions

- Burglar Protection	<b>RC2/RC3/RC4/RC5</b>	tested acc. to EN 1627
- Bullet Resistance	<b>FB4, FB6, FB7-NS</b>	tested acc. to EN 1522
- Air Tight	<b>up to class 4</b>	tested acc. to EN 1026
- Rain- and Fire-Water Tight	<b>class 6A</b>	tested acc. to EN 1027
- Wind Load Resistance	<b>class C5</b>	tested acc. to EN 12211
- Blast Resistance	<b>up to 5 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 1375 mm to 4000 mm  
**Height** from 1750 mm to 4000 mm

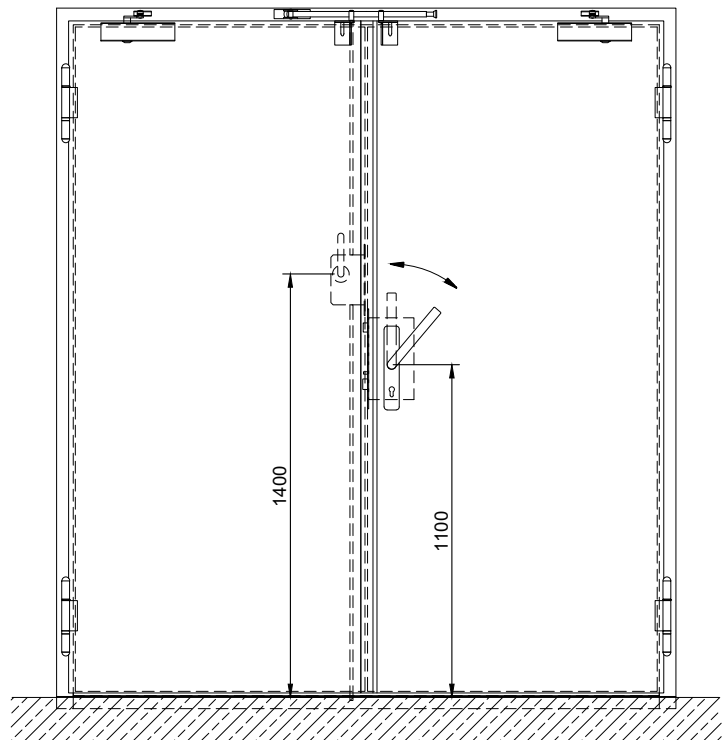
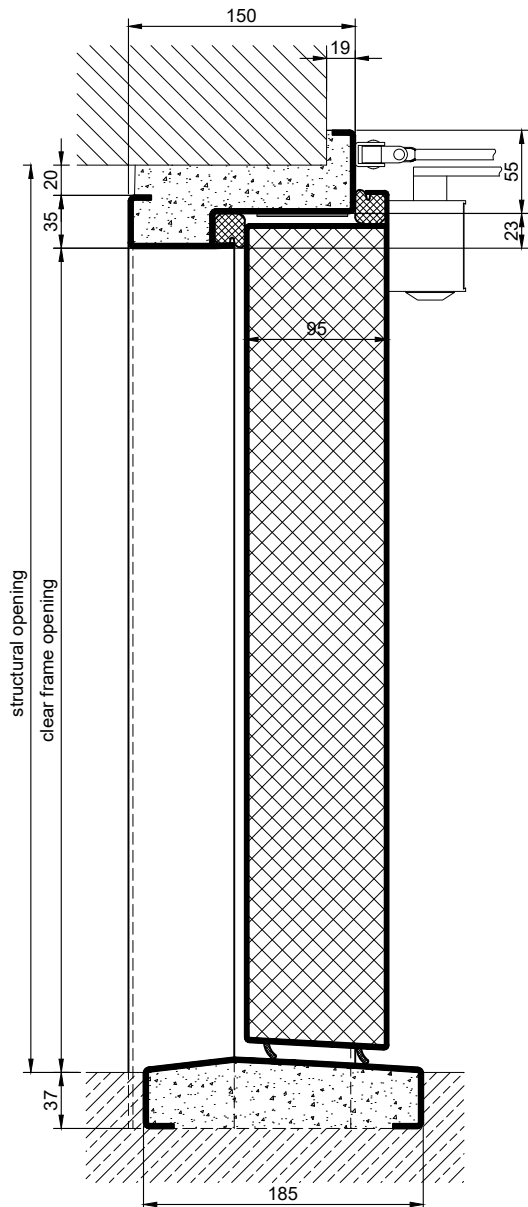
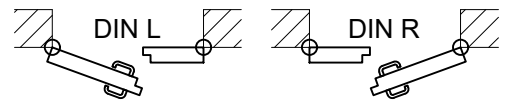
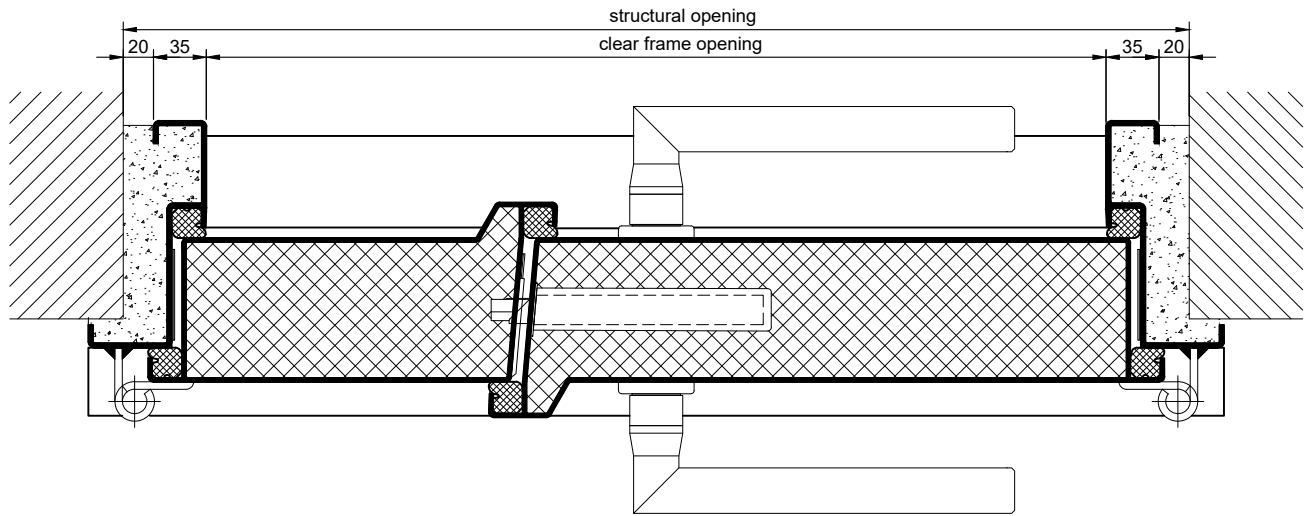
### Technical Specification and Tender Text

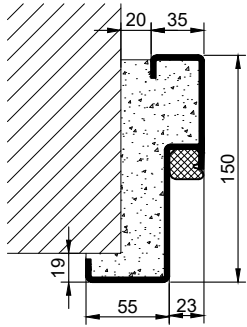
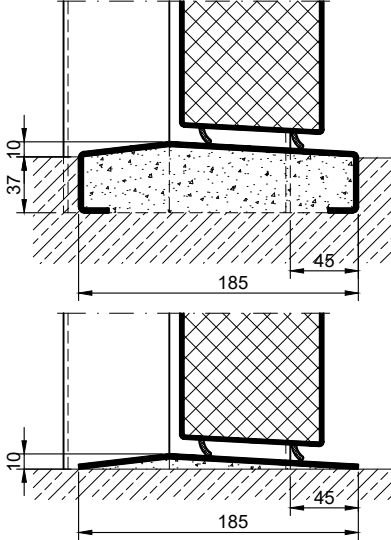
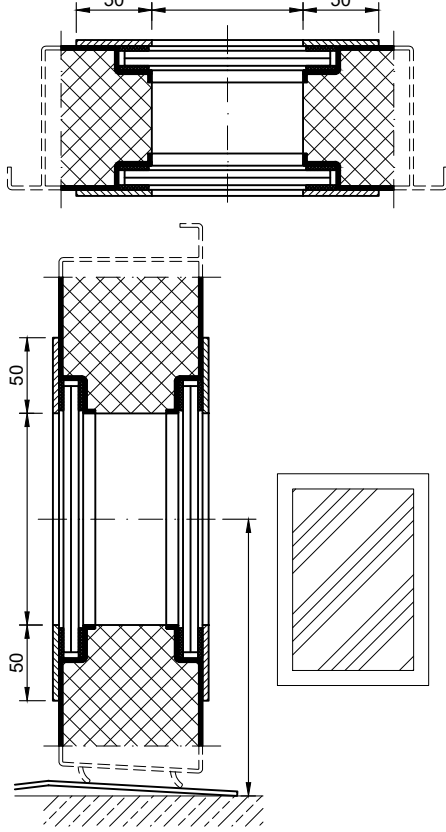
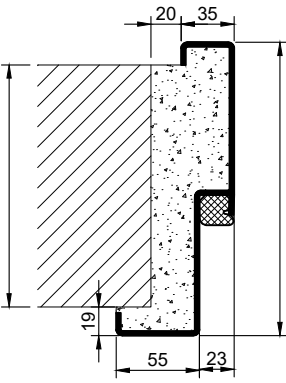
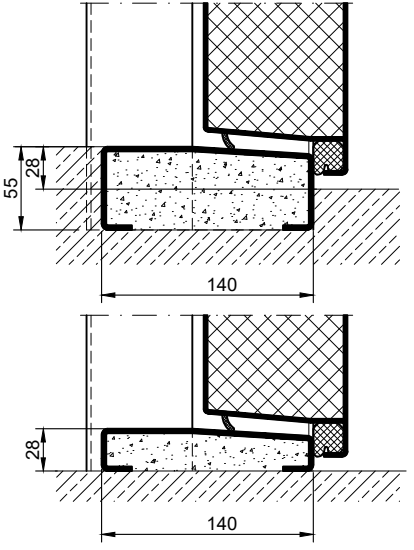
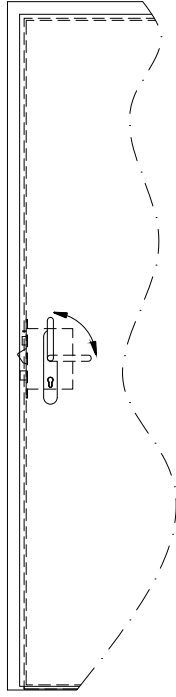
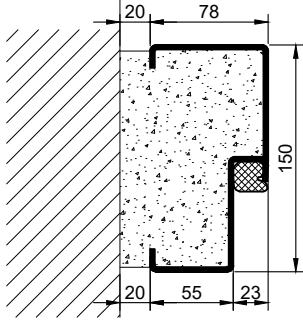
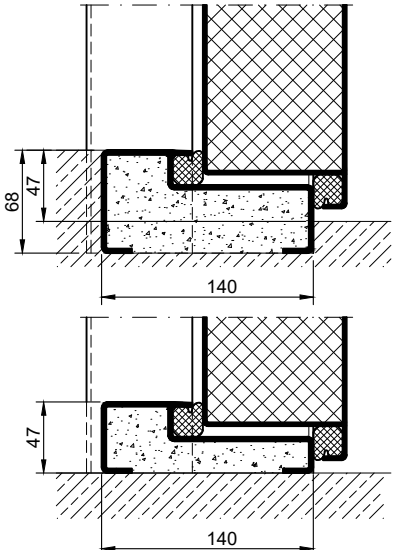
<b>Product:</b>	<b>EI<sub>230</sub> / T30 double leaf fire retardant smokeproof acoustic steel door brand Buchele tested acc. to EN 1634-1, 1634-3 und EN ISO 10140-2</b>
<b>Door Type:</b>	<b>STB 55-2 / T30 POWER Line</b>
<b>Sound Insulation R<sub>w,P</sub></b>	<b>55 dB</b>
<b>Structural Opening:</b>	<b>.... x .... mm</b>
<b>Door Leaf:</b>	Double-walled, planar 80 mm thick steel door 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. Double tow sealing system.
<b>Threshold:</b>	Threshold profile as barrier-free hump 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>Door Closer:</b>	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.
<b>Fitting:</b>	<b>Active leaf</b> with heavy-duty worm clamping locking device with solid locking worm, spring-suspended lock latch and automatic maloperation interlock system. Lock prepared for installation of a profile cylinder, provided by customer. Reinforced clamping lever pair, ergonomically shaped, fixed pivoted on squared long platers, visible screwed to the door leaf. Surface stainless steel with black lever handle area. <b>Passive leaf</b> with an automatically working 2-point-locking-system placed on door leaf. Half door handle set in acc. to EN 1906 fixed pivoted synthetic material black in U-shape with rounded short-plate.
<b>Surface:</b>	Door leaf and frame galvanized und primed with 2K-PUR primer (Very High Solid) similar RAL 7035.
<b>Installation:</b>	masonry ≥ 115 mm concrete ≥ 100 mm areated concrete ≥ 200 mm mounting wall F60 ≥ 125 mm

### Supplementary Equipment

<b>Glazing:</b>	F30 fire-protective double glazing two-sided fixed with profiled and visible screwed steel glazing bars. Minimum border 125 mm on side and top, base 340 mm. Sound Insulation $R_{w,P}$ max. 50dB
<b>Stainless Steel:</b>	Material 1.4301 (V2A) or 1.4404 (V4A), Surface mill finish or brushed.
<b>BUCHELE DELUXE:</b>	The exclusive surface coating.
<b>Panic:</b>	Worm clamping locking device with integrated emergency release function. (The locked and fastened door leaf locking can be unlocked and opened with only two movements without using the locking cylinder.)



Frames	Thresholds	Options
<p><u>corner frame</u></p> 	<p><u>hump sill</u></p> 	<p><u>glazing</u></p> 
<p><u>encasing frame</u></p> 	<p><u>half sill</u></p> 	<p><u>Buchele-wedge-latch-lock</u></p> 
<p><u>block frame</u></p> 	<p><u>full sill</u></p> 	

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technical modifications reserved - edition 03/2024