

Single Leaf EI₂60 / T60 High Fire-Retardant Acoustic Steel Door

Fire Protection	EI₂60 / T60	tested acc. to EN 1634-1
Smoke Control	S_a, S₂₀₀ / RS	tested acc. to EN 1634-3
Self-Closing	up to C5	tested acc. to EN 1191
Sound Insulation	R_{w,P} 53 dB	tested acc. to EN ISO 10140-2

Optional Audited Additional Functions

- Burglar Protection	RC2/RC3/RC4/RC5	tested acc. to EN 1627
- Bullet Resistance	FB4, FB6, FB7-NS	tested acc. to EN 1522
- Air Tight	up to class 4	tested acc. to EN 1026
- 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 18 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 625 mm to 2000 mm
Height from 1750 mm to 4000 mm

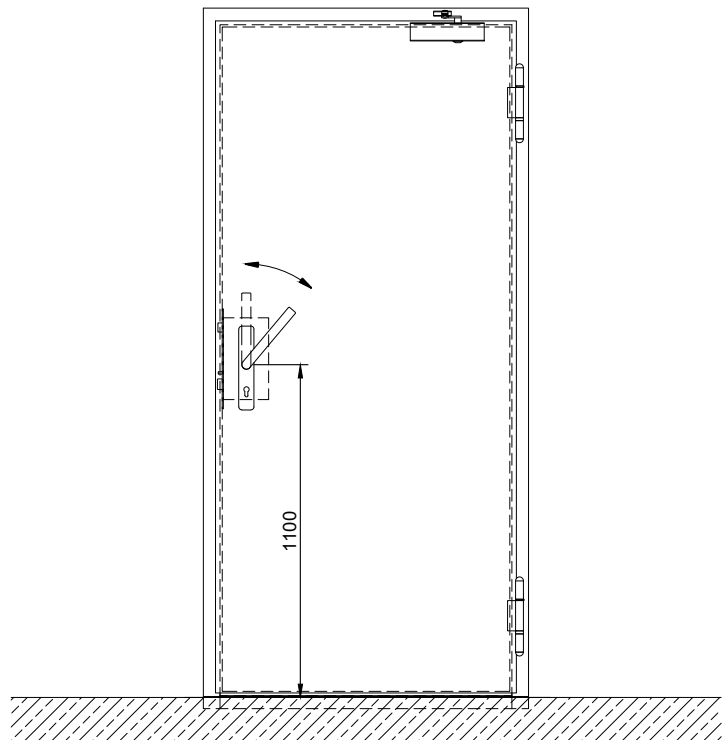
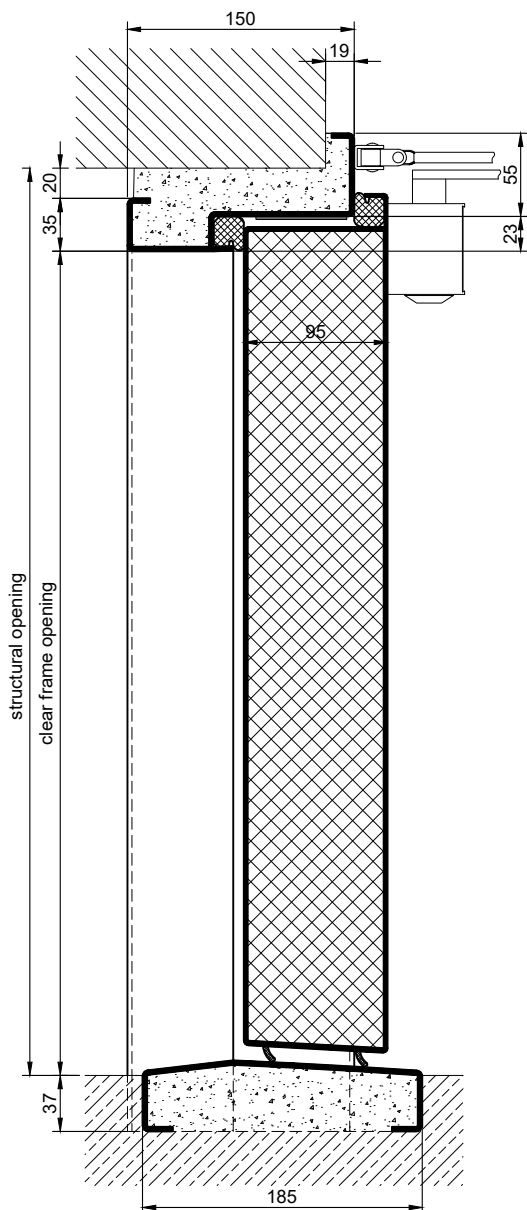
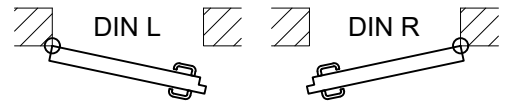
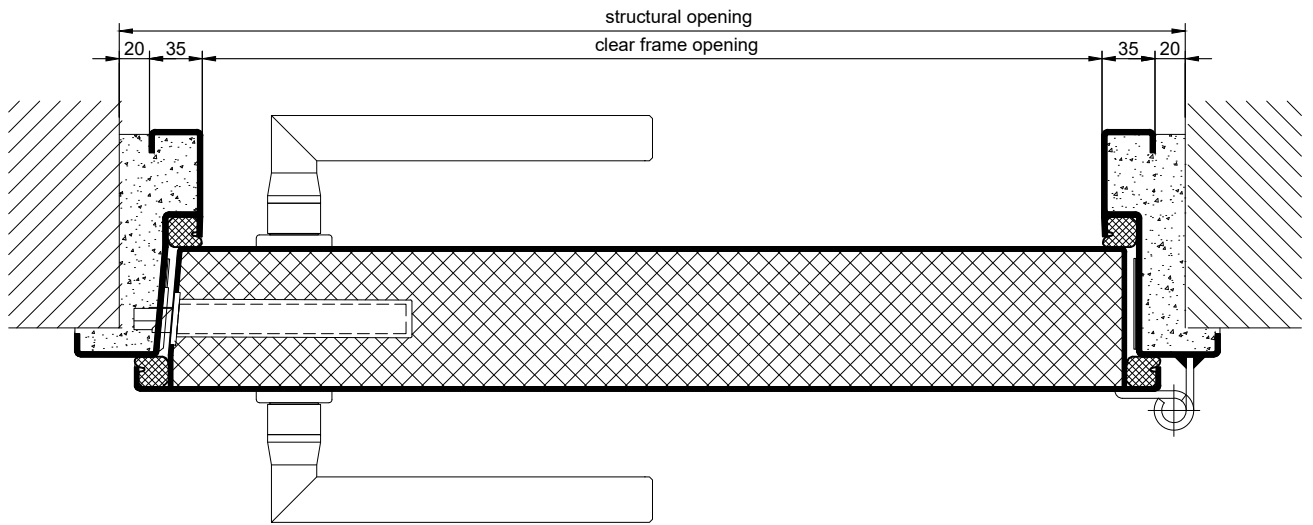
Technical Specification and Tender Text

Product:	EI₂60 / T60 single leaf high fire-retardant smokeproof acoustic steel door, brand Buchele tested acc. to EN 1634-1, 1634-3 und EN ISO 10140-2
Door Type:	STB 53-1 / T60 POWER Line
Sound Insulation R_{w,P}	53 dB
Structural Opening: x mm
Door Leaf:	Double-walled, planar 75 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. Securing pin screwed in door leaf rebate. Duplex tow sealing system.
Threshold:	Threshold profile as barrier-free hump 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:	Door closer system with standard arm acc. to EN 1154 silver coloured mounted on hinge side.

Fitting:	Active leaf 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.
Surface:	Door leaf and frame galvanized und primed with 2K-PUR primer (Very High Solid) similar RAL 7035.
Installation:	masonry ≥ 115 mm concrete ≥ 100 mm areated concrete ≥ 200 mm mounting wall F60 ≥ 125 mm

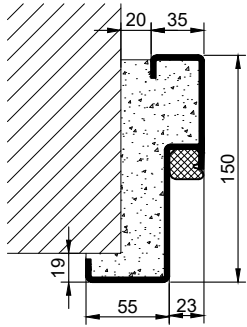
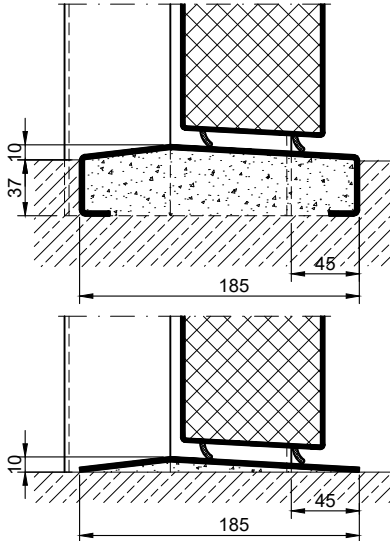
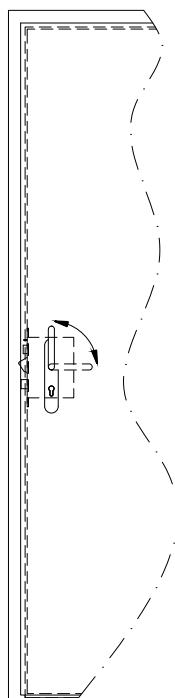
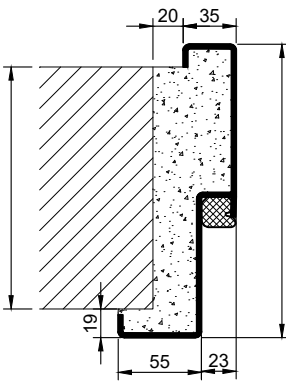
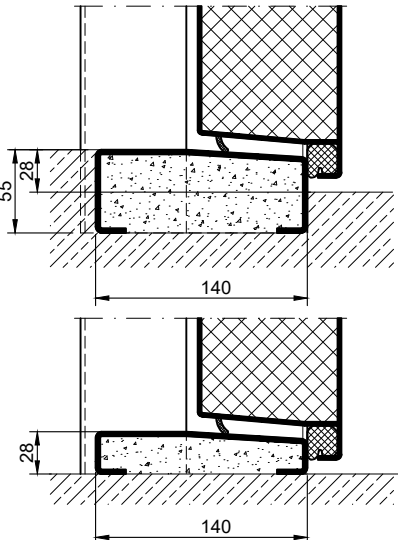
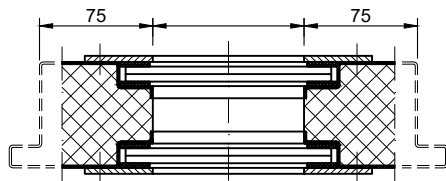
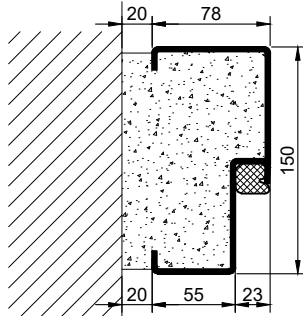
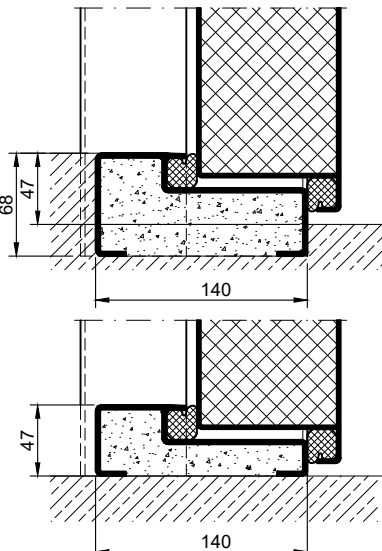
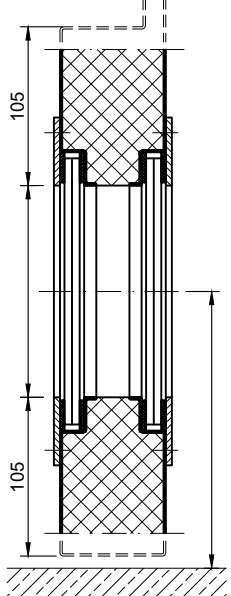
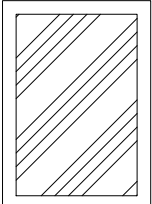
Supplementary Equipment

Glazing:	F60 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
Stainless Steel:	Material 1.4301 (V2A) or 1.4404 (V4A), Surface mill finish or brushed.
Air Lock:	Air Lock Soil Liner System (pneumatic sealing system to the floor). Automatic lifting and lowering of the bottom seal when actuating the clamping levers.
BUCHELE DELUXE:	The exclusive surface coating.
Panic:	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.)



1.21.10_STB 53-1-T60_EN

technical modifications reserved - edition 05/2024

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

1.21.10_STB 53-1-T60_EN