

Single Leaf EI₂60 / T60 High Fire Retardant Vertically Pivoted Steel Door

Fire Protection	EI₂60 / T60	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

Optional Audited Additional Functions

- Sound Insulation	up to 42 dB	tested acc. to EN ISO 10140-2
- Burglar Protection	RC2/RC3	tested acc. to EN 1627
- Bullet Resistance	FB4-NS	tested acc. to EN 1522
- Air Tight	up to class 3	tested acc. to EN 1026
- Rain- and Fire-Water Tight	class 1B	tested acc. to EN 1027
- Wind load Resistance	class C5	tested acc. to EN 12211
- Blast Resistance	up to 2 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 1000 mm to 1750 mm
Height from 1750 mm to 3500 mm

Technical Specification and Tender Text

Product:	EI₂60 / T60 single leaf high fire retardant vertically pivoted steel door brand Buchele tested acc. to EN 1634-1
Door Type:	ROTARY Line RL 601
Structural Opening: x mm
Door Leaf:	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. Drop seal system in bottom part of the door. Lifting seal system in top part of the door.
Threshold:	Floor bracket as separation sill. Surface stainless steel and welded to the frame.
Frame:	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.
Hinges:	Concealed hinge system integrated in frame and floor, ball bearing mounted for smart door movement. The door leaf rotates around a vertical axis.
Door Closer:	Concealed slide rail door closer system acc. to EN 1154 integrated in frame and door leaf.
Fitting:	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.

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 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.		

