

Single Leaf EI₂60 / T60 High Fire-Retardant Security Door

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|---------------------------------|--|---------------------------------|
| 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 |
| Bullet Resistance | FB 6 NS | tested acc. to EN 1522 |

Optional Audited Additional Functions

| | | |
|------------------------------|-----------------------------|--------------------------------------|
| - Smoke Control | RS (S ₂₀₀) | tested acc. to EN 1634-3 |
| - Sound Insulation | up to R _{w,P} 54dB | tested acc. to EN ISO 10140-2 |
| - Burglar Protection | RC2/ RC3/ RC4/ RC5 | tested acc. to EN 1627 |
| - 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 20 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

Range of Dimension for Doors Width from 625 mm to 1500 mm
Height from 1750 mm to 3000 mm

Range of Dimension for Hatches Width from 625 mm to 750 mm
Height from 500 mm to 1750 mm

Technical Specification and Tender Text

| | |
|----------------------------|---|
| Product: | EI₂60 / T60 single leaf high fire-retardant security door brand Buchele tested acc. to EN 1634-1 and EN 1522 |
| Door Type: | PLANE Line PL 601 BASIC |
| Bullet Resistance: | FB 6 NS |
| Structural Opening: | x mm |
| Door Leaf: | Double-walled, planar 70 mm thick steel door leaf without hinge embossing, three sides rebated with thick rebate. Without bottom stop. Special insulating inserts fully laid-in and glued. Securing pin screwed in door leaf rebate. |
| Threshold: | Floor bracket as separation 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. |

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| Fitting: | 2-point security mortise lock with latch lever function acc. to EN 12209 (prepared for installation of a profile cylinder lock, provided by customer). Security door handle set acc. to EN 18257 fixed pivoted, stainless steel, in U-shape with rounded long-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 |

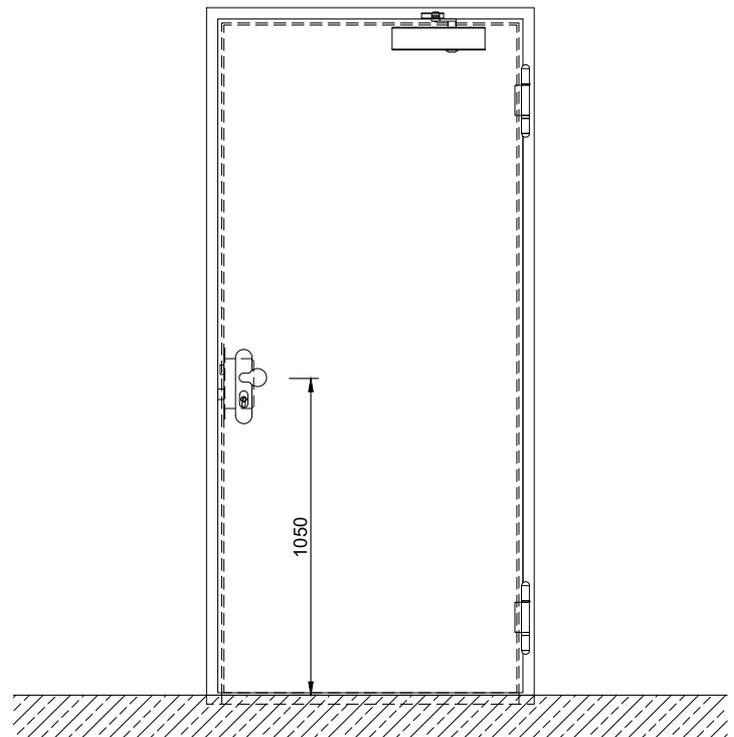
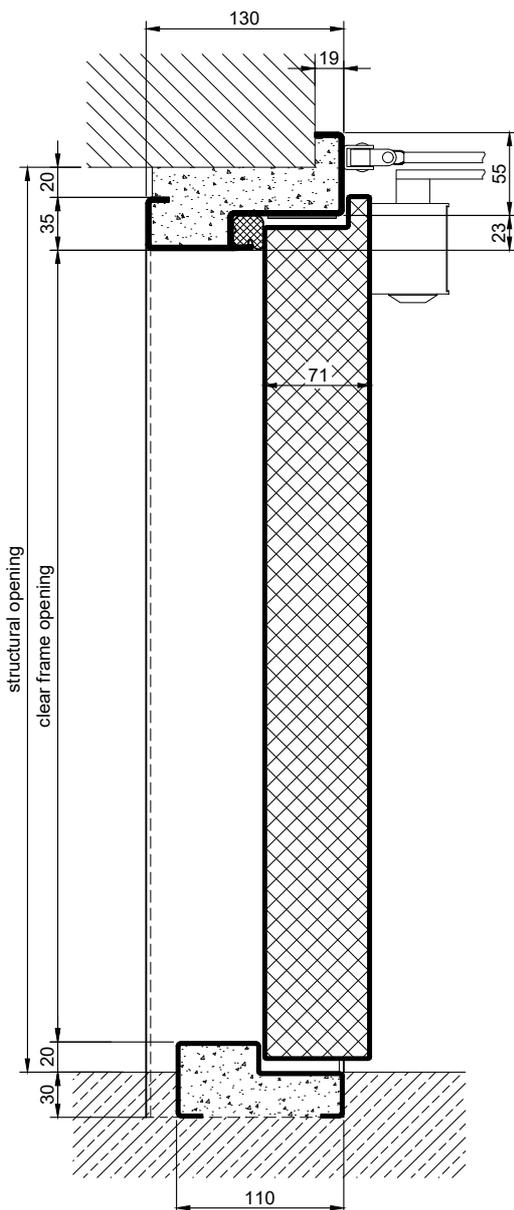
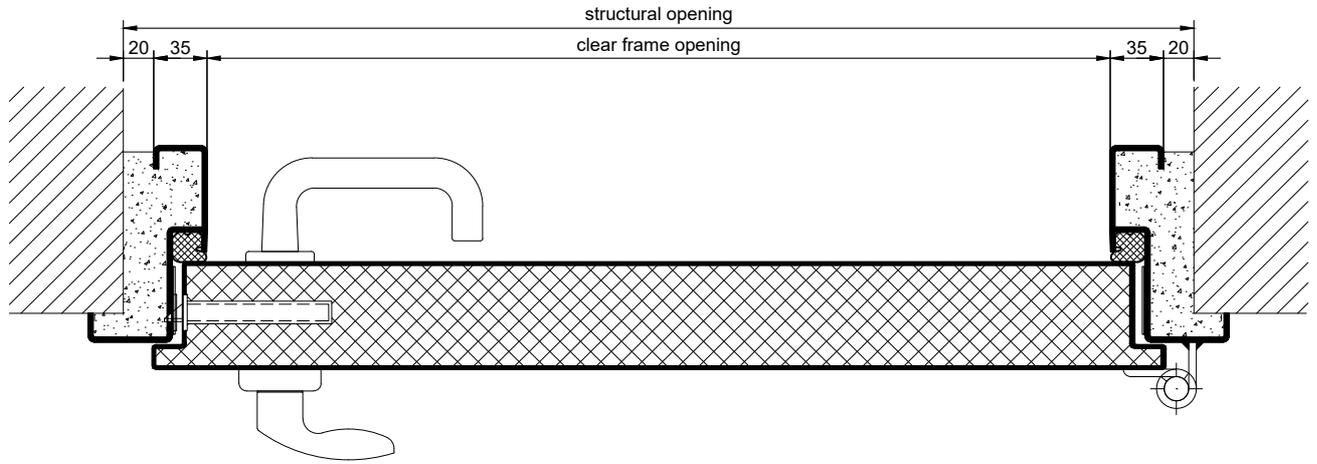
Alternative: PLANE Line PL 601 PREMIUM with flush mounted optics

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|---------------------|---|--|
| 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. | |
| Door Closer: | Slide rail door closer system acc. to EN 1154 silver coloured mounted on hinge side. | |

Supplementary Equipment

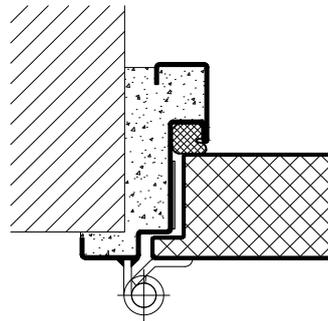
| | | |
|-------------------------|--|--|
| Glazing: | F60/BR6 fire-protective glazing fixed with profiled and visible screwed steel glazing bars. Minimum border 125 mm on side and top, base 300 mm. | |
| Stainless Steel: | Material 1.4301 (V2A) or 1.4404 (V4A), Surface mill finish or brushed. | |
| BUCHELE DELUXE: | The exclusive surface coating. | |

BASIC - Version

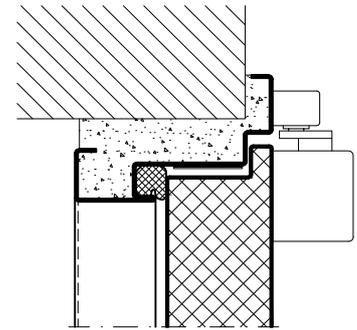


PREMIUM - Vesion

construction hinges

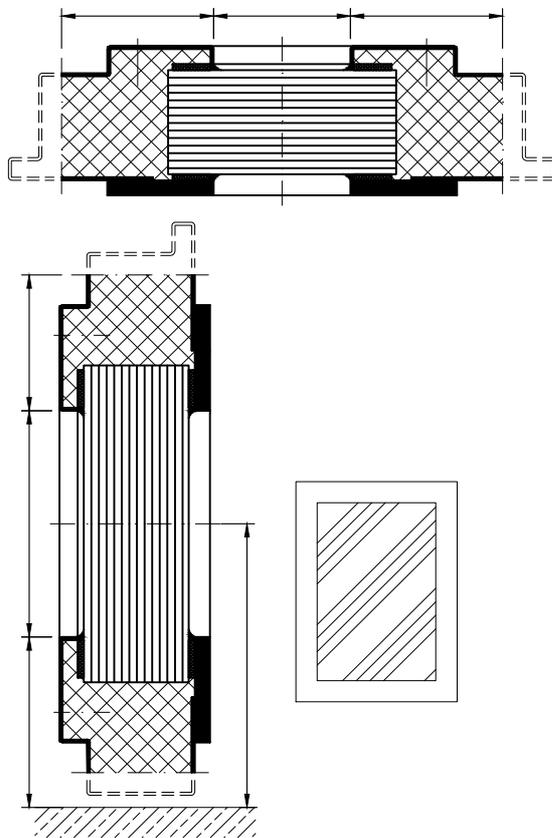


slide rail door closer



Options

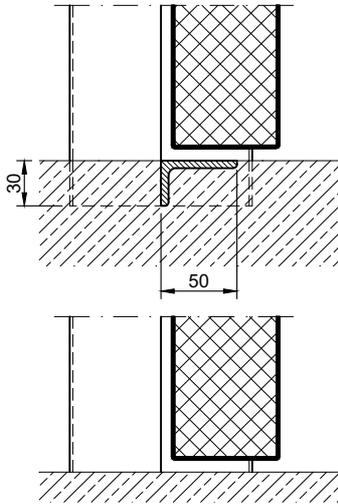
glazing



Thresholds

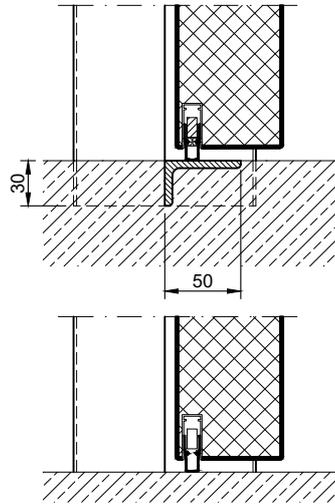
separation sill

information:
With this version there is **NO** bullet resistance in the threshold area!

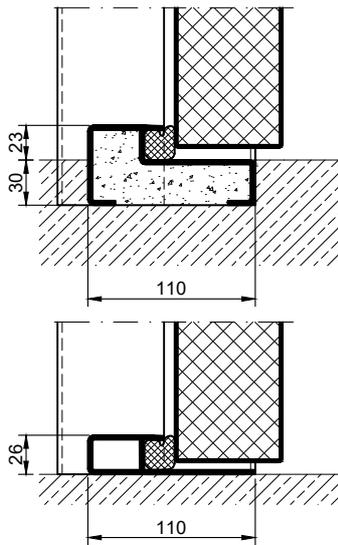


drop seal

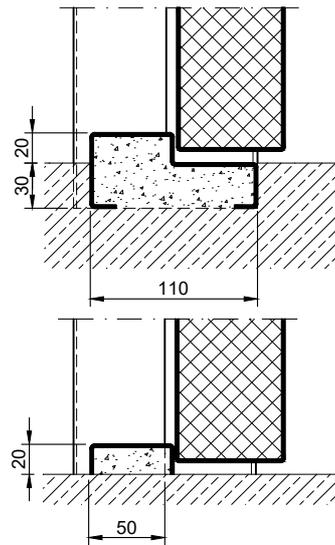
information:
With this version there is **NO** bullet resistance in the threshold area!



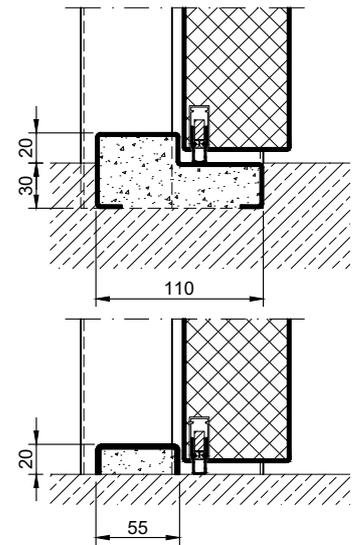
stop sill with seal



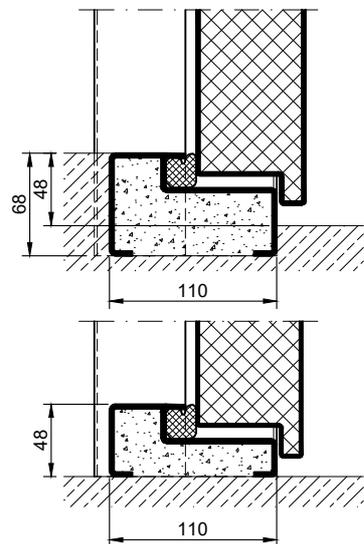
stop sill without seal

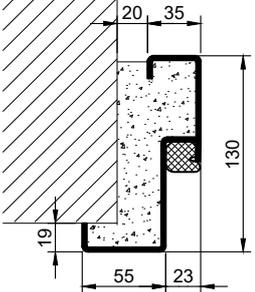
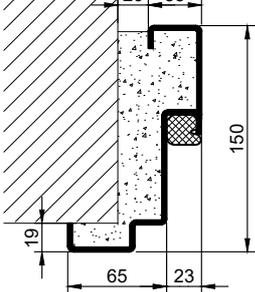
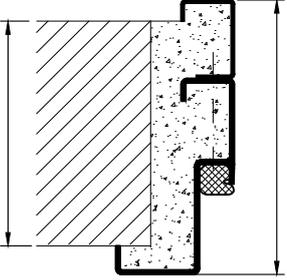
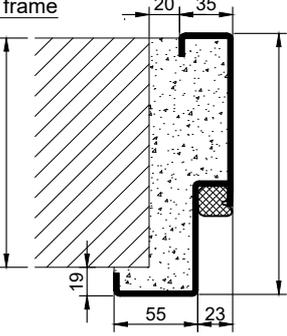
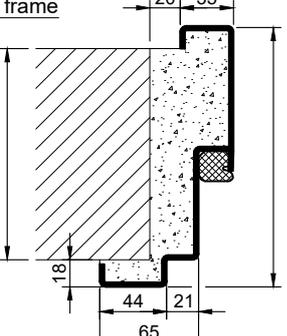
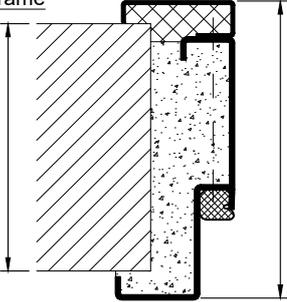
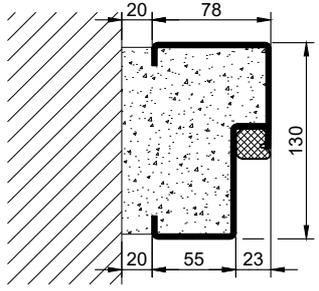
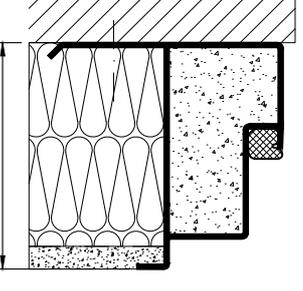


stop sill with drop seal



full sill



| Frames BASIC | Frames PREMIUM | Variants (illustration BASIC) |
|---|---|--|
| <p>corner frame</p>  | <p>corner frame</p>  | <p>corner frame with counter frame</p>  |
| <p>encasing frame</p>  | <p>encasing frame</p>  | <p>encasing frame with counter frame</p>  |
| <p>block frame</p>  | <p>block frame</p>  | <p>jutted block frame</p>  |
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