



PLANE Line PL 902

Double Wing T 90 (El₂ 90-SaC5) Fire Resistant Steel Door

Plane Optic

Fire Protection T90 (El₂ 90-SaC5) in accordance with DIN EN 1634-1

* Smoke Control

* Noise Control

* Noise Control

* Burglar Proof

* Shot Proof

* Air Tight

* Pain and Fire Water Tight

* Smoke Control

RS (S₂₀₀)

up to R_W 54dB

in accordance with DIN EN ISO 10140-2

in accordance with DIN V ENV 1627

in accordance with DIN EN 1522

in accordance with DIN EN 12207

* Rain and Fire Water Tight

* Wind Tight

* Pressure Resistant

Classification 6A

Classification C5

up to 5 kPa

in accordance with DIN EN 1027

in accordance with DIN EN 12211

* Explosion Protection up to zone 1/21 in acc. with DIN EN 1127-1 or ATEX 94/9/'EG

* Stainless Steel

Range of Dimensions Door: Width from 1375 mm to 2500 mm

Height from 1750 mm to 2500 mm

Range of Dimensions Hatch: Width from 1250 mm to 1375 mm

Height from 500 mm to 1750 mm

Technical specification and text for invitation to tender

Product: T90-2 (El₂ 90-C5) double wing fire resistant steel door brand Buchele

in accordance with DIN EN 1634-1

Door Type: PLANE Line PL 902 BASIC

Dimensions: x mm

Door Leaf: Double walled, level 70 mm thick steel door leaf without hinge embossing,

three sides folded with thick rebate without bottom stop. Special insulating inserts completely laid in and glued.

Inactive door leaf with high-quality multi-chamber sealing profile adjustable

fixed in the middle groove.

Safety bolt screwed in door leaf fold.

Sill: Floor bracket as separation bar. Surface galvanized and welded to the

frame.

Frame: 3-sided circumferential folded corner frame with visible black coated

intumescent material in fold.

High-quality multi-chamber sealing profile adjustable fixed in the three

sided groove.

Hinges: Threepart height-adjustable construction hinges with hinge pin retention

and ball-bearing spacer ring for smooth door movement.

Door Closer: 2 pieces Standard arm door closer according to DIN EN 1154 silver

colored mounted on hinge side.

1 piece door coordinator device

Fitting: Active door leaf with mortice lock with latch lever function in accordance

with DIN EN 12209 (prepared for installation of a profile cylinder lock

^{* (}special options see back of this page)





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provided by customer).

Door handle set in accordance with DIN EN 1906 firmly installed turnable

synthetic material black in U-shape with rounded short-plate.

Inactive door leaf with espagnolette bolt lock in the central rebate profile.

Type PLANE Line PL 902 PREMIUM

Frame: Three sided circumferential folded PLANE Line special corner frame for

flush mounted optics on hinge side. With visible black coated intumescent material in fold. High-quality multi-chamber sealing profile adjustable fixed

in the three sided groove.

Hinges: Object hinges type VB-3D 160 adjustable in three dimentions. Reception

element with internal positioned slide bearings for smooth door movement.

Door Closer: Slide channel door closer system in accordance with DIN EN 1154 silver

colored mounted on hinge side.

Type PLANE Line PL 902 SUPERIOR

Frame: Three sided circumferential folded PLANE Line special corner frame for

flush mounted optics on hinge side. With visible black coated intumescent material in fold. High-quality multi-chamber sealing profile adjustable fixed

in the three sided groove.

Hinges: Concealed hinge system adjustable in three dimensions.

Door Closer: Concealed slide channel door closer system in accordance with DIN EN

1154 integrated in frame and door leaf.

Surface: Door leaf and frame galvanized and primed with one component primer

similar RAL 7001.

Mounting: Delivery and professional assembly including filling of the cavities in the

frame with mortar of group III.

Installation: Masonry ≥ 175 mm

 $\begin{array}{lll} \mbox{Concrete} & & \geq 140 \mbox{ mm} \\ \mbox{Aerated concrete} & & \geq 200 \mbox{ mm} \\ \mbox{Mounting wall F60} & & \geq 125 \mbox{ mm} \\ \end{array}$

Special Models

Standard Glazing: F90 fireproof glazing held by profiled and visibly screwed steel glazing

bars.

Minimum frieze width Lock side 240 mm, side and top 133 mm,

base 300 mm.

Smoke Protection: Drop seal or stop sill.

Sound Insulation: Drop seal, hump sill or stop sill.

Burglary Protection: RC 2, RC 3 or RC 4 safety package with safety fitting.

Bullet Proof: FB 4-NS special inlay in door leaf and frame.

Airtight: High-quality multi-chamber sealing profile adjustable fixed in the three

sided groove of the frame in connection with a drop seal or a stop seal.





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Driving Rain Water tight: High-quality multi-chamber sealing profile adjustable fixed in the three sided groove of the frame in connection with a drop seal or a stop seal.

Windproof High-quality multi-chamber sealing profile adjustable fixed in the three

sided groove of the frame in connection with a drop seal or a stop seal

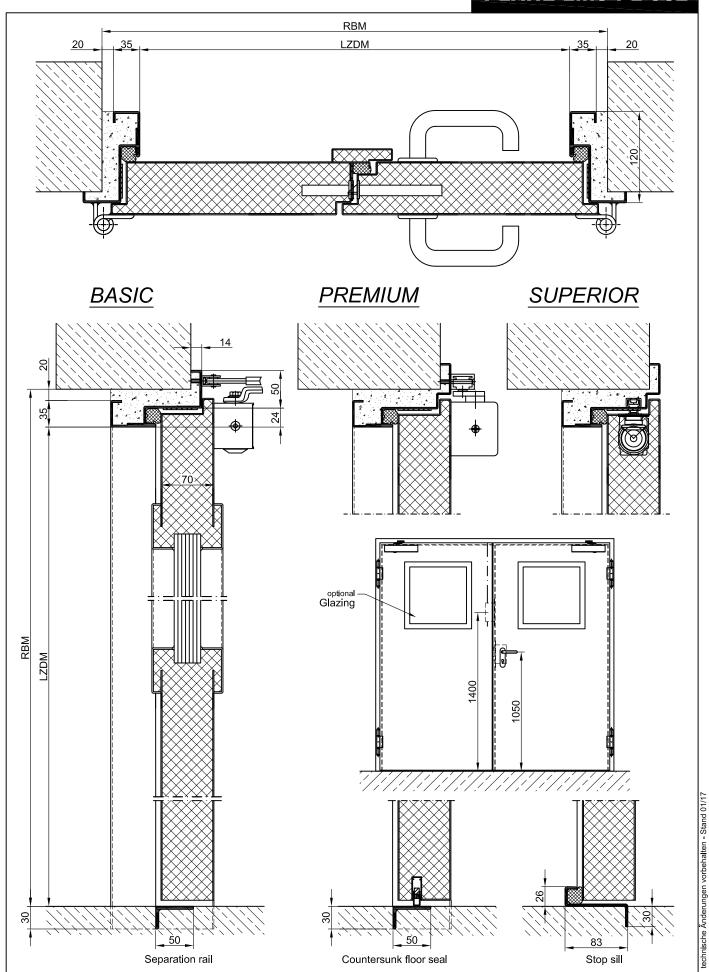
Stainless Steel: Material 1.4301 (V2A) or. 1.4571 (V4A),

Surface bright mill, brushed or mattet



The Art of Doors

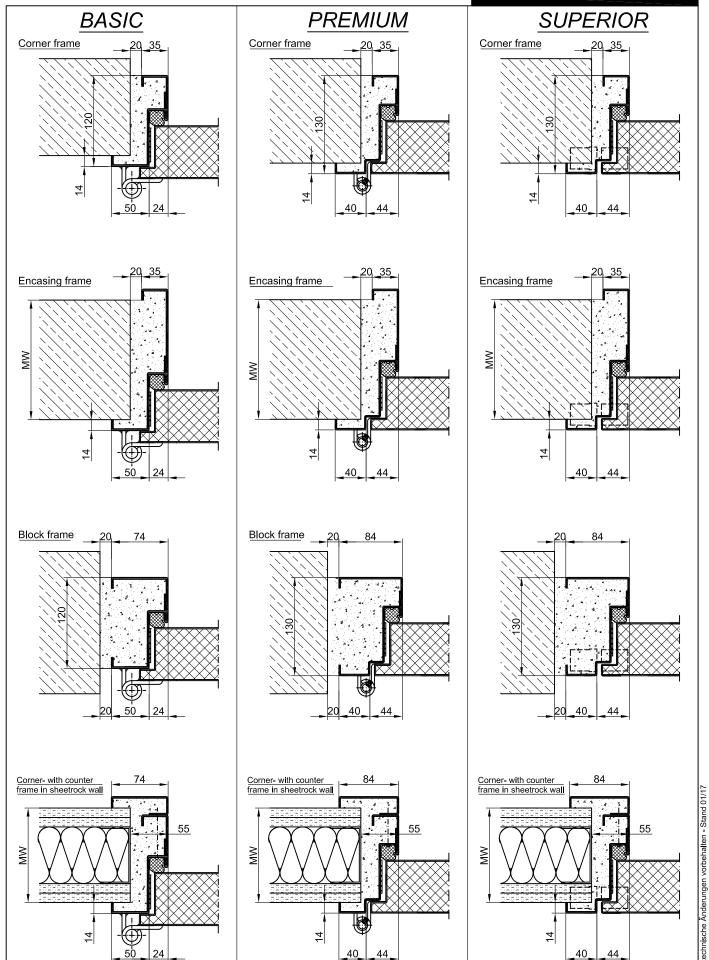
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