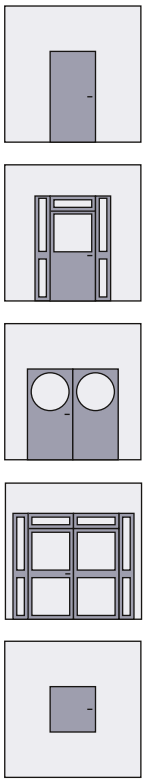
Technical information



Franzen RSN-1 / RSN-2 "System Schröders"

Smoke control steel door RS
single leaf (RSN-1) and double leaf (RSN-2)

optional	witch glas inset	
optional	in combination as	**burglar resistance door** **RC1** up to **RC4** acc. to EN 1627
optional	in combination with	**increased air tightness** up to class 4 acc. to EN 12207

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Performance characteristics

Smoke control (optional)
tested acc. to DIN 18095 RS-1 / -2

Combinable with additional performance characteristics:

Burglar resistance (optional)
RC4, RC3, RC2, RC1
acc. to DIN EN 1627 ff

Thermal transmittance (optional)
UD-value ≥ 1,2 W/(m²K) acc. to EN ISO 10077-1

Air tightness (optional)
up to class 4 acc. to EN 12207 (up to 600 Pa)

Resistance to wind load (optional)
up to class C5 (up to 2,000 Pa) acc. to EN 12210

Watertightness (optional)
up to class 8A acc. to EN 12208

Resistance to positive and negative pressure (optional)
up to 5.000 Pa acc. to DIN EN 12211

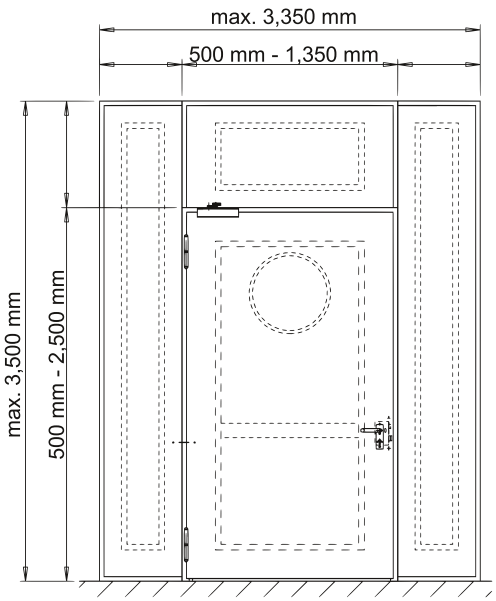
Flush with surface (optional)
flush-mounted design FLAT

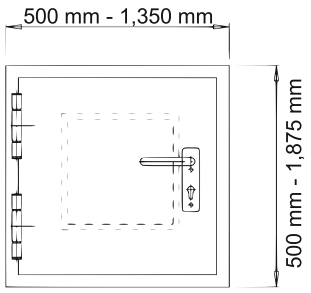
Explosion protection (optional)
for installation in potentially explosive (ATEX)

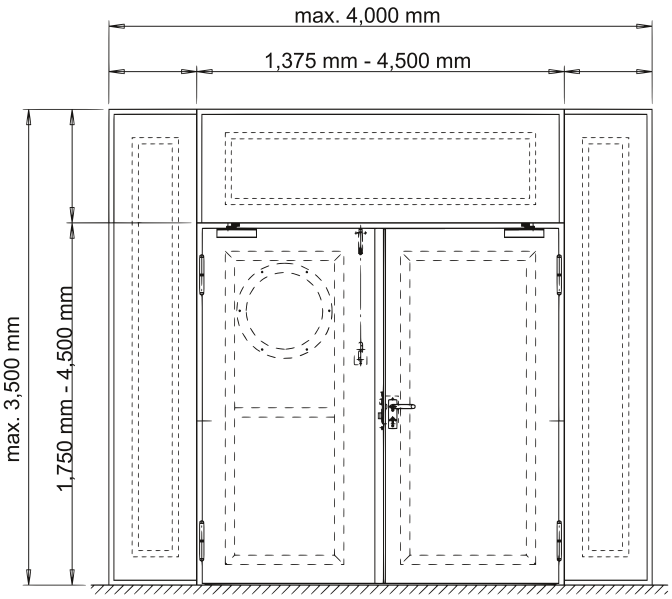
Performance characteristics combinable with further Franzen door types "System Schröders":

Fire resistance (optional)
T90 with "allg. bauaufsichtlicher Zulassung"
(fire door Franzen TSN-11 / TSN-12)

T30 with "allg. bauaufsichtlicher Zulassung"
(fire door Franzen TSN-1 / TSN-2)







Technical data

Dimensions single leaf (basic dimensions)

widht	from	500 mm	up to 1,350 mm
height	rom	500 mm	up to 2,500 mm
with overhead panel	overall height		max. 3,500 mm
	height overhead panel		max. 1,000 mm
with side panel	total width		max. 3,350 mm
	width per side panel		max. 1,000 mm

Dimensions double leaf (basic dimensions)

widht	from	1,375 mm	up to 4,500 mm
height	from	1,750 mm	up to 4,500 mm
with overhead panel	overall height		max. 3,500 mm
	height overhead panel		max. 1,000 mm
with side panel	total width		max. 4,000 mm
	width per side panel		max. 1,000 mm

Door leaf
leaf thickness 68 mm to 69 mm - smooth double-walled
plate thickness 1.0 mm to 1.5 mm
thin rebate design
  optional thick rebate design
special honeycomb insert
  optional insulation inlet full-face glued and pressed with cover plate, thus particularly plane and smooth door leaf
door leaf weigth ca. 20 kg/m p

Frame
frame system or "ZG" (see installation variants)
with elastic rubber seal
  corner frame
  optional enclosing frame
  optional block frame

Floor seal
  optional lowerable floor seal or sliding seal

Glas inset (optional)
glass dimensions and -form variable
minimum frieze width: 90 mm
  optional with port-hole (ø ca. 450 mm clear view)
  optional in overhead panel
glass inset bars with concealed screw connection (for rectangular glass inset)

Hinges
2/3-part KO door hinges
with patented easy-running bearings as easy running doors
  optional door hinge with 3D adjustment

Fittings single leaf
  optional any approved handle set
  acc. to EN 1906 resp. EN 179
  optional panic bar handle or push bar acc. to EN 1125

Fittings double leaf
active leaf
  optional any approved handle set
  acc. to EN 1906 resp. EN 179
  optional panic bar handle or push bar acc. to EN 1125
for version RC: protective fitting ES-1 to ES-3

Locking single leaf
single locking acc. to DIN 18250
profile cylinder prepared (cylinder on-site)
securing pins
  for version RC4: lock combination with triple locking
  optional panic locking

Locking double leaf
active leaf
  single locking acc. to DIN 18250, depending on version
  multi-point locking
  profile cylinder prepared (cylinder on-site)
fixed leaf
  internal snap bolt (locking upwards)
  depending on version, with locking upwards and downwards (rebate shoot bolt, shoot bolt lock)
securing pins at both leafs
  optional panic locking according to EN 179 resp. EN 1125

Self-closing single leaf
door closer acc. to DIN EN 1154
  optional spring hinge for smaller doors / flaps
  optional hold-open system acc. to DIN EN 14637

Self-closing double leaf
both leafs with door closer acc. to DIN EN 1154 resp. EN1155
with door closing sequence control acc. to EN1158
  optional hold-open system acc. to DIN EN 14637

Installation

in masonry	(thk ≥ 115 mm)
in concrete	(thk ≥ 100 mm)
in aerated concrete	(thk ≥ 150 mm)
in mounting walls min. F30	(thk ≥ 100 mm)

  optional blunt installation in soffit
  optional installation on the wall plate

Marking
mark of conformity - "Ü"
acc. to German conformity mark regulation

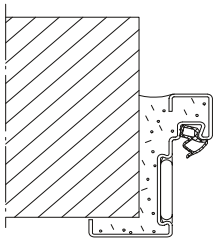
Optional
  sock control
  automated opening
  motor locks (also in 3-way locking)
  powder coating in RAL colours
  prison cell doors (special locking and food flap)
  special solutions acc. to request and customer requirements

The information given refers to the usual configurations. Individual configurations may be required when combining different performance characteristics.

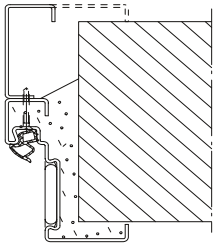
Installation variants

Installation in

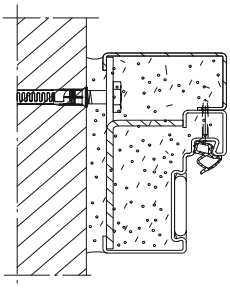
masonry / concrete



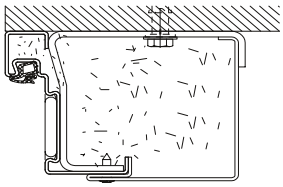
corner frame
corner frame with supplementary frame



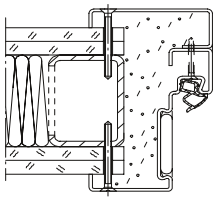
masonry / concrete



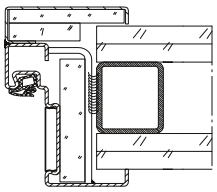
block frame
corner frame with supplementary frame



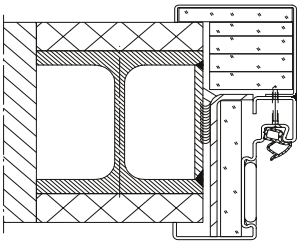
mounting walls



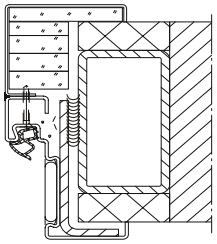
enclosing frame
corner frame with supplementary frame



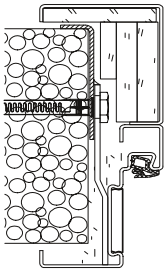
steel columns / steel supports



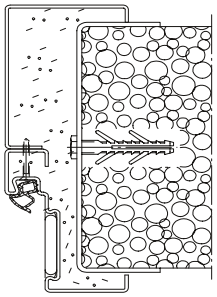
enclosing frame
corner frame with supplementary frame



aerated concrete



enclosing frame
corner frame with supplementary frame



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