



# Fire-resistant steel door T90-2-FSA „Teckentrup 62“

Door with thin rebate, optionally with glazing, optionally with upper casing

### Text example:

T90-2-FSA fire-protection door tested in acc. with DIN 4102. Double leaf door element. Active leaf DIN right. Door leaf 62 mm thick, 3-sided rebated. Corner frame 1.5 mm thick with 3-sided seal, without floor recess. Door leaf and frame galvanised and prime coated, grey white similar RAL 9002. Active leaf with mortise lock PC perforated, FP round handle set black (plastic). Handle pivoted on bearing with tumbler insert (Bb) an 1 Bb-key. Inactive leaf, espagnolette bolt with standard top locking. Per leaf 2 construction hinges with ball bearing and 1 top door closer. 1 door selector. „Teckentrup 62“ or equivalent.

(Compile and tender according to requirements. Please refer to technical data below for respective details 01.03.2021)

[Text T90-2 online](#)

### Technical data

<b>General building authority approval</b>	Z-6.20-1965 tested acc. DIN 4102 for installation in interior walls	
<b>Installation in</b>	<ul style="list-style-type: none"> <li>▪ Masonry min. 175 mm</li> <li>▪ Concrete min. 140 mm</li> <li>▪ Light weight construction stud walls * min. 100 mm</li> <li>▪ Aerated concrete                             <ul style="list-style-type: none"> <li>- aerated concrete stones min. 200 mm</li> <li>- reinforced aerated concrete min. 175 mm</li> </ul> </li> <li>▪ Concealed steel supports F 90</li> </ul>	
	* Assembly walls/Assembly fire walls F 90 acc. DIN 4102 part 4 or general building authority test certificate. approved wall types see register installation details.	
<b>Approved dimensions</b>	Modular dimension	W 1375 - 3000 mm H 1750 - 3000 mm
	with upper casing/top light up to	H 4000 mm
<b>Type of handling</b>	Active leaf DIN right or DIN left	
<b>Door leaf double skinned</b>	Rebate type: 3-sided rebated	<b>thin rebate</b>
	Door leaf thickness:	62 mm
	Sheet thickness:	1.0/1.5 mm
	Security bolt:	per leaf min. 3
<b>Frame</b>	Corner frame 1.5/2.0 mm thick with 3-sided circumferential seal, without floor recess Fastening by exposed masonry mounting. Special equipment: <ul style="list-style-type: none"> <li>▪ Block frame and counter frame or closed frame</li> <li>▪ Frame with floor recess</li> </ul>	
<b>Heat insulation</b>	<b>Thermal transmittance</b> acc. EN ISO 12567-1 (without glazing) Sheet thickness 1.0 mm: $U_D = 1.7 \text{ W/m}^2\text{K}$ Sheet thickness 1.5 mm: $U_D = 1.8 \text{ W/m}^2\text{K}$	
<b>Floor closure</b>	in conjunction with bottom floor closure <ul style="list-style-type: none"> <li>▪ Retractable bottom seal</li> <li>▪ Sliding threshold seal</li> <li>▪ Buffer strip with seal</li> </ul> Bottom seal retrofittable.	
<b>Surface</b>	Door leaf/frame galvanised and prime coated, grey white similar RAL 9002 Special equipment: RAL of choice	
<b>Hinges and closing device</b>	<ul style="list-style-type: none"> <li>▪ 2 CO-hinges with ball bearing per leaf</li> <li>▪ 2 top door closer DIN EN 1154</li> <li>▪ 1 door selector</li> </ul>	
<b>Fittings</b>	Active leaf: <ul style="list-style-type: none"> <li>▪ Mortise lock with latch function PC perforated acc. DIN 18250</li> <li>▪ FP-round handle set black (plastic). handle pivoted on bearing with tumbler insert (Bb) and 1 Bb-key</li> </ul> Inactive leaf: <ul style="list-style-type: none"> <li>▪ Espagnolette bolt with standard top locking</li> </ul>	

### Also available in **STAINLESS STEEL!**

<b>Glazing</b>	Fire resistant glass clear F1-90, rectangular glazing with aluminium glass holding strips Max. pane size 1000 x 2263 mm. round glazing (Ø 300, 400 and 500 mm) with steel glass holding strips galvanised and prime coated grey white similar RAL 9002. Special equipment: <ul style="list-style-type: none"> <li>▪ Rectangular-/round glazing made of stainless steel</li> <li>▪ Rectangular glazing aluminium glass holding stripes in stainless steel design</li> </ul>	
<b>Special equipment</b>	<ul style="list-style-type: none"> <li>▪ Handle sets / Lever/Knob sets:                             <ul style="list-style-type: none"> <li>- plastic</li> <li>- light metal</li> <li>- stainless steel</li> <li>- with short plate or rose escutcheon (various makes)</li> </ul> </li> <li>▪ Prepared for rose escutcheon</li> <li>▪ Panic-/bar handle</li> <li>▪ Locks                             <ul style="list-style-type: none"> <li>- panic locks</li> <li>- block locks (must be provided)</li> </ul> </li> <li>▪ Profile cylinder 40.5 + 40.5 mm</li> <li>▪ Top door closer DIN EN 1154                             <ul style="list-style-type: none"> <li>- hinge-/opposite hinge side - with slide rail</li> <li>- with locking device - with smoke detector</li> <li>- with door selector</li> <li>- ITS 96 (hidden)</li> </ul> </li> <li>▪ Integrated lock inspector (bolt contact)</li> <li>▪ Integrated opening indicator (reed contact)</li> <li>▪ Hold-open devices</li> <li>▪ Revolving door drives</li> <li>▪ 3D-hinges</li> </ul>	

	<b>Ordering dim./ MD dim.</b> Width x height	<b>Clear passage size</b> (corner frame) Width x height
<b>Standard sizes</b>	1500 x 2000	1416 x 1958
	2125	2083
	1750 x 2000	1666 x 1958
	2125	2083
	2000 x 2000	1916 x 1958
	2125	2083
	2500	2458
	2125 x 2125	2041 x 2083
	2250 x 2250	2166 x 2208
	2500 x 2500	2416 x 2458
	3000 x 3000	2916 x 2958

(Special sizes: from 1375 x 1750 to 3000 x 3000)

**Further qualifications**  
(Special versions):



**Smoke proof** acc. EN 1634-3/ DIN 18095, for solid- and lightweight construction stud walls



**Sound insulated** acc. DIN EN 20140/717 part 1  
**RW 42dB** with bottom buffer  
**RW 42dB** with retractable bottom seal

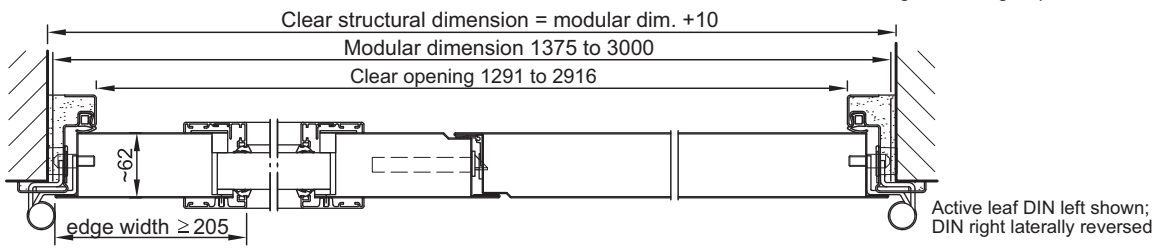
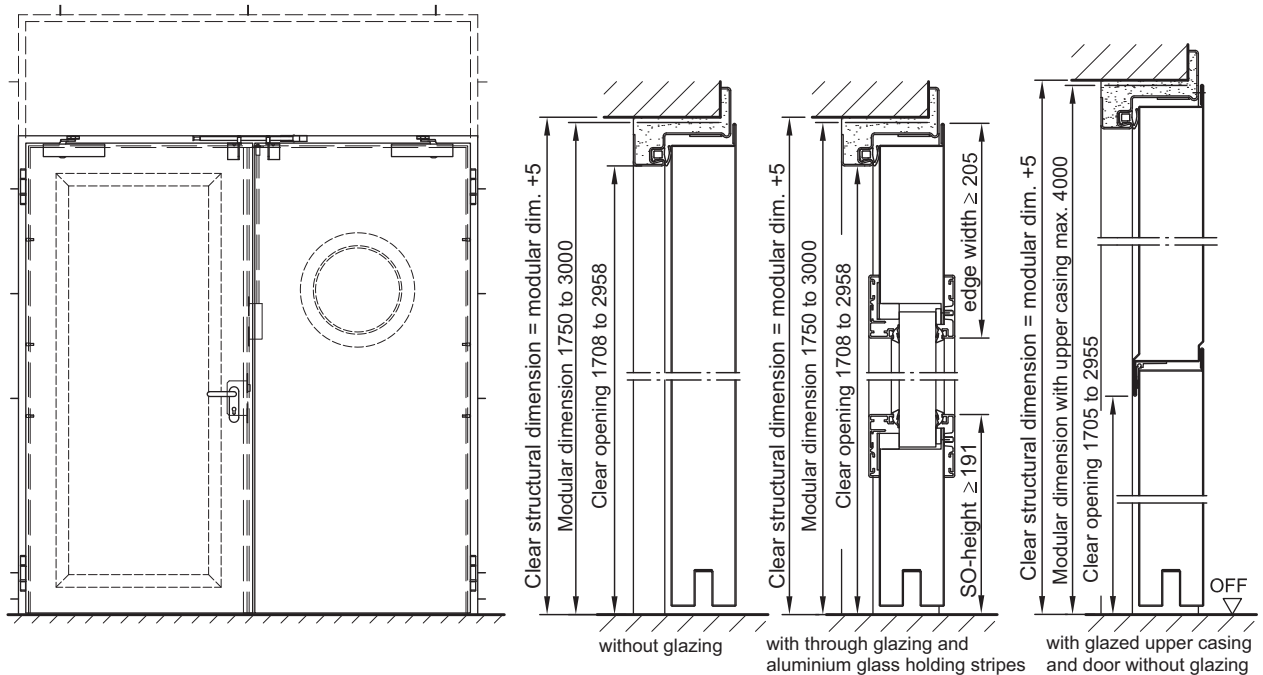


**Burglar resistance** acc. DIN EN 1627 - **RC 2, RC 3, RC 4**



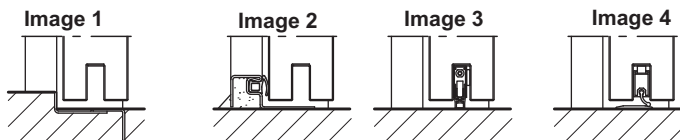
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**Floor connections:**

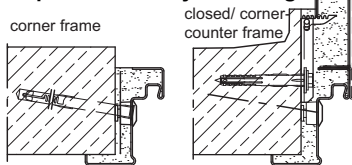
- Image 1: with bottom buffer
- Image 2: with bottom buffer/seal
- Image 3: with retractable bottom seal
- Image 4: with sliding threshold seal



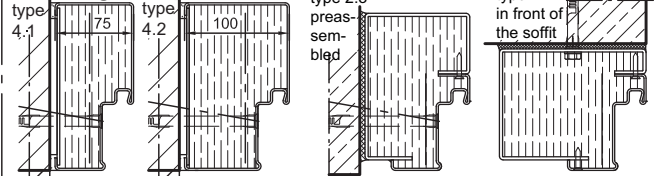
**Installation in masonry/ concrete walls**

concrete walls  $\geq 140$  mm  
masonry walls  $\geq 175$  mm

**Exposed masonry mounting**



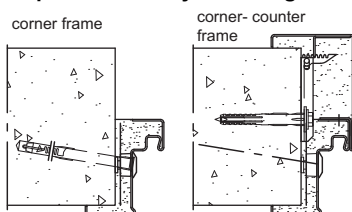
**Flush edge installation**



**Installation in autoclaved aerated concrete walls**

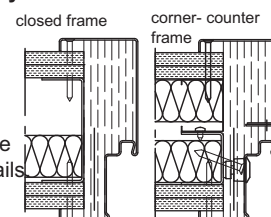
Made of auto. aerated concrete stones or reinforced auto. aerated concrete, wall thickness min. 175 mm

**Exposed masonry mounting**

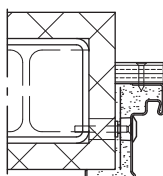


**Installation in assembly-/ fire walls (F90)**

in acc. with general building authority test certificate. Approved wall types see register installation details



**Installation in concealed steel support F90**



Please find a detailed installation overview in the planning-, installation- and maintenance manual for 1-leaf and 2-leaf doors.