



# Fire-resistant steel trap door/steel door EI<sub>2</sub>90-C5-S<sub>a</sub> „Teckentrup 62“ 1lf. outside door

Fire-resistant closure as Outside door - classification with CE labelling (acc. EN 16034 / 14351-1)

### Text example:

EI<sub>2</sub>90-C5-S<sub>a</sub> Classification Fire-resistant closure as outside door with CE-labelling (acc. EN 16034/14351-1). Single leaf door element. Type of handling DIN right. Door leaf 62 mm thick with thin rebate, 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. Mortise lock with latch function PC perforated acc. DIN 18250. FP round handle set, black (plastic). Handle pivoted on bearing with tumbler insert and 1 Bb-key. 1 spring hinge and 1 construction hinge with ball bearing. „Teckentrup 62“ or equivalent.

(Compile and tender according to requirements. Please refer to technical data below for respective details. Updated Stand 01.05.2023).

### Technical data

<b>Classification</b>	<b>EI<sub>2</sub>90-C5-S<sub>a</sub></b> Classification fire-resistant closure as outside door with CE-labelling (acc. EN 16034 / 14351-1)		<b>Glazing</b>	Fire-resistant glass clear F1-90, rectangular glazing with aluminium glass holding strips. Max. pane dim. 1000 x 2263 mm. Round glazing (Ø 300, 400 and 500) with steel glass holding strips galvanised and prime coated grey white similar RAL 9002. Special equipment: ▪ Rectangular glazing aluminium glass holding strips in stainless steel design / rectangular/ round glazing glass holding strips made of stainless steel
<b>Installation in</b>	<ul style="list-style-type: none"> <li>▪ Masonry min. 175 mm</li> <li>▪ Concrete min. 140 mm</li> <li>▪ Autoclaved aerated concrete                             <ul style="list-style-type: none"> <li>- for stones min. 175 mm</li> <li>- for reinforced type min. 175 mm</li> </ul> </li> </ul>		<b>Required for doors for outside use:</b>	<ul style="list-style-type: none"> <li>▪ Floor closure</li> <li>▪ Rain guard top (necessary if no roof/canopy existing)</li> <li>▪ Weather board at the bottom (recommendation)</li> <li>▪ Profile cylinder (recommendation)</li> </ul>
<b>Approved dimensions</b> all other sizes require technical clarification	Modular dim. <b>thin rebate:</b>	W 500 - 1250 mm H 500 - 2500 mm	<b>Special equipment</b>	<ul style="list-style-type: none"> <li>▪ Handle sets / Lever/Knob sets::                             <ul style="list-style-type: none"> <li>- plastic - light metal</li> <li>- stainless steel - with short plate or rose escutcheon (various makes)</li> </ul> </li> <li>▪ Prepared for rose esdutcheon</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 (thin rebate)</li> <li>▪ Profile cylinder 45.5 + 35.5 mm (thick rebate)</li> <li>▪ Top door closer                             <ul style="list-style-type: none"> <li>- hinge-/opposite hinge side</li> <li>- with slide rail</li> </ul> </li> <li>▪ Electrical door opener</li> <li>▪ Integrated lock inspector (bolt contact)</li> <li>▪ Integrated opening indicator (reed contact)</li> </ul>
	with upper casing/top light to	H 3500 mm	<b>Standard sizes</b>	
	Modular dim. <b>thick rebate:</b>	W 625 - 1250 mm H 1750 - 2500 mm	<b>Ordering dim./ modular dimension</b>	<b>Clear passage sizes</b> (corner frame)
<b>Type of handling</b>	DIN right or DIN left		width x height	width x height
<b>Door leaf</b> double skinned	Rebate type:	<b>Thin-. Thick rebate</b>	875 x 2000	791 x 1958
	Trap door:	4-sided rebated	2125	2083
	Door:	3-sided rebated	1000 x 2000	916 x 1958
	Door leaf thickness:	62 mm	2125	2083
	Sheet thickness:	1.0 mm or 1.5 mm	1125 x 2000	1041 x 1958
	Security bolt:	min. 2	2125	2083
<b>Frame</b>	<ul style="list-style-type: none"> <li>▪ Corner frame 1.5/2.0 mm thick, trap d. 4-sided</li> <li>▪ Door 3-sided with seal</li> <li>▪ Door without floor recess</li> <li>▪ Fastening by exposed masonry mounting.</li> </ul> Special equipment: <ul style="list-style-type: none"> <li>▪ Block-. counter-. or closed frame</li> <li>▪ Frame with floor recess</li> </ul>		1250 x 2000	1166 x 1958
<b>Heat insulation</b>	<b>Thermal transmittance</b> acc. EN ISO 12567-1 (without glazing) (thin.- / thick rebate)		2125	2083
	Sheet thickness 1.0 mm: U <sub>D</sub> = 1.6 / 1.4 W/m <sup>2</sup> K		2250	2208
	Sheet thickness 1.5 mm: U <sub>D</sub> = 1.7 / 1.5 W/m <sup>2</sup> K			
<b>Floor closures</b>	in conjunction with lower 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> Retrofittable bottom seal.			
<b>Surface</b>	Door leaf/frame galvanised and prime coated, grey white similar RAL 9002			
	Special equipment: <ul style="list-style-type: none"> <li>▪ RAL of choicel</li> </ul>			
<b>Hinges and closing device</b>	<ul style="list-style-type: none"> <li>▪ 1 spring hinge and 1 construction hinge or</li> <li>▪ 2 construction hinges and 1 top door closer</li> <li>▪ Compensation rings for height regulation</li> </ul>			
<b>Fittings</b>	<ul style="list-style-type: none"> <li>▪ Mortise lock with latch function, PC-perforated</li> <li>▪ FP round handle set, black (plastic). Handle pivoted on bearing with tumbler insert and 1 Bb-key.</li> </ul>			

(Special sizes: from 500 x 1750 mm to 1250 x 2500 mm)

**Furhter qualifications**  
(special version):



**Smoke proof** acc. EN 1634-3 with TDC, for solid walls



**Sound insulated** acc. EN 20140/717 part 1 up to **RW 42 dB** (thin rebate) up to **RW 42 dB** (thick rebate) depending on door construction and equipment of the bottom seal

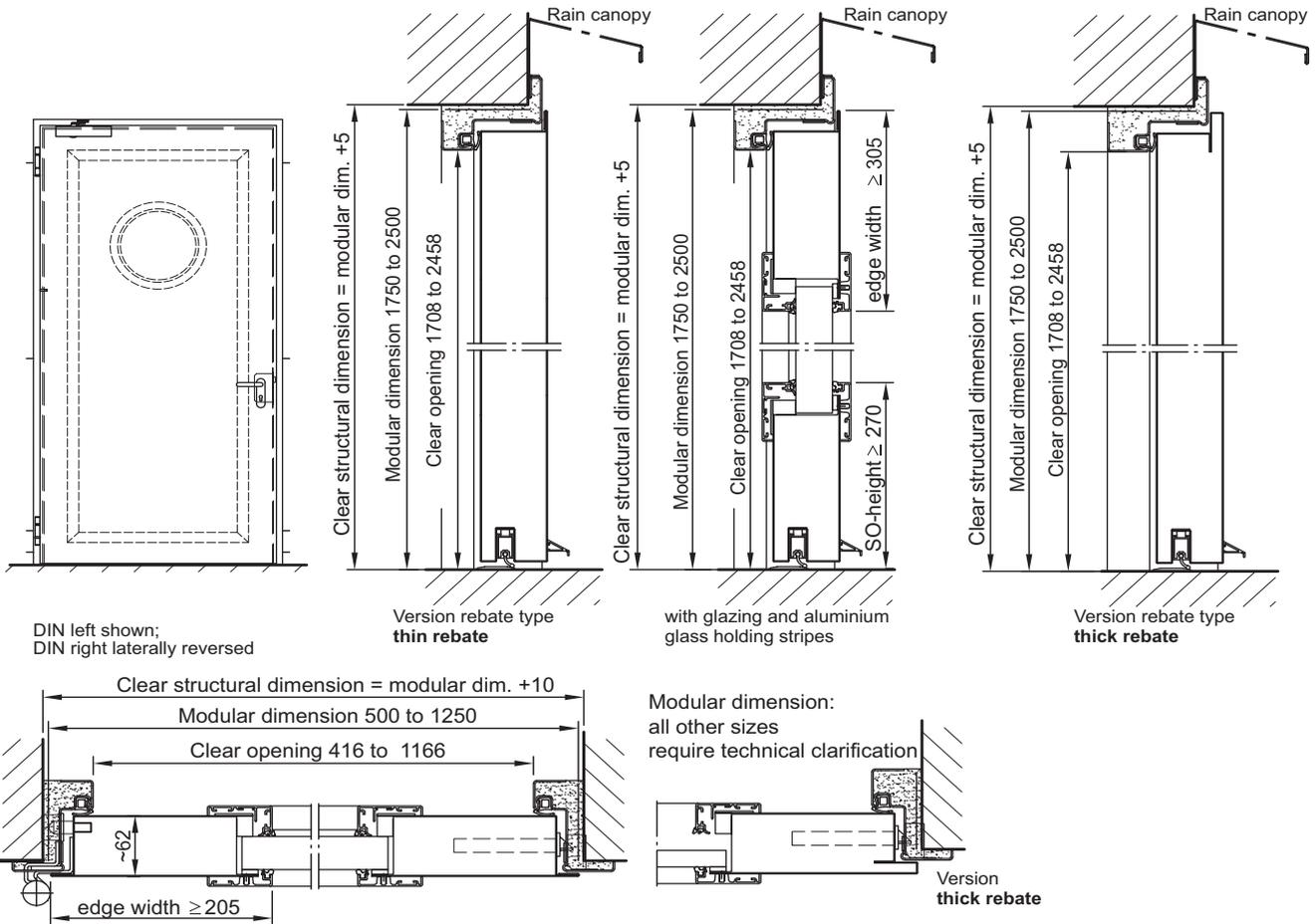


**Burglar resistant** acc. EN 1627 - **RC 2, RC 3, RC 4** (thin rebate) **RC 2, RC 3** (thick rebate)

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**EI<sub>2</sub>90-C5-S<sub>a</sub> „Teckentrup 62“ 1lf. outside door**

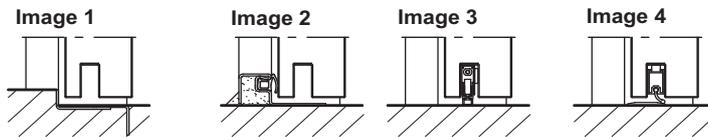
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Also available **STAINLESS STEEL!**



**Floor connections:**

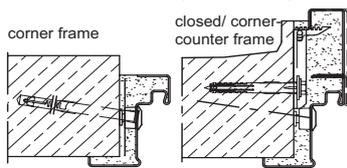
- Image 1: with bottom buffer
- Image 2: with bottom buffer/seal
- Image 3: with retractable bottom seal (Smoke proof door with TDC)
- Image 4: with sliding threshold seal



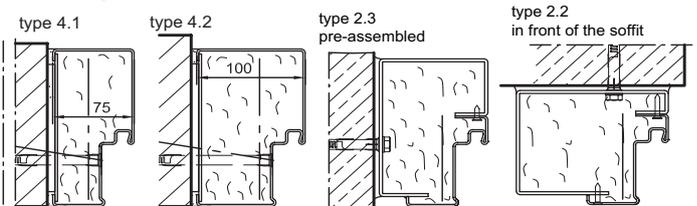
**Installation in masonry/**

**concrete walls**  
concrete walls ≥ 140 mm  
masonry walls ≥ 175 mm

**Exposed masonry mounting**



**Flush edge installation**



**Installation in autoclaved aerated concrete walls (doors with TDC)**

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

**Exposed masonry mounting**

