

# Fire-resistant sectional door T 30-FSA „Teckentrup S“



Doors · Frames

## Text example

Compile and tender according to requirements.  
Please refer to technical data below for respective details.  
Updated 1<sup>st</sup> June 2015

Position	No. of pieces	Item	Unit price €	Total price €
		T30 sectional steel door, tested in accordance with DIN 4102. Made of various overlapping panel elements. Panel thickness 40 mm, surface on both sides consisting of coated, full-surface bonded steel plates 0.4 mm thick. Stucco design on the outer and inner surface. Panel elements filled with mineral wool. The individual panel elements are interconnected hinges. The hinge area is protected on the outside via patented finger pinch protection and on the inside via cover strips. EDPM lateral protective strips and bottom floor seal. Screwed hinges made of galvanized steel, lateral guide roller with adjustable steel guide rails on ball bearings guided in lateral C-shaped profiles. Weight compensation with torsion spring shaft with lateral load-bearing cables. Alternatively with opener or with VDS approved fire protection drive for non-counterbalanced door. "Teckentrup S" (approval no.: Z-6.20-2195) or equivalent.		
		Ordering dimensions: modular dimensions: ____mm width and ____mm height Ordering details: wall and header thickness (concrete ____mm, masonry ____mm, autoclaved aerated concrete ____mm); Concrete ≥ 100 mm, masonry ≥ 175 mm, autoclaved aerated concrete ≥ 200 mm and steel concrete lintel. Headroom: ____mm (depending on the type of fitting and static requirements) Type of fitting: Normal fitting Winding shaft front or rear High lift guide rail fitting Right or left-hand drive Vertical fitting		



## Technical data

### Building authority approval:

Fire-resistant sectional steel door  
**T30-FSA "Teckentrup S"**  
Approval no.: Z-6.20-2195,  
tested as per DIN 4102

### Installation in:

Walls made of:  

- Masonry min. 175 mm \*
- Concrete min. 140 mm \*
- Autoclaved aerated concrete min. 200 mm and steel concrete lintel \*
- Reinforced autoclaved aerated concrete slabs min. 175 mm and steel concrete lintel \*

 \* and according to static requirements

### Approved dimensions:

Modular dimensions  
width: 1000 – 5000 mm  
height: 2000 – 3630 mm

### Door leaf:

Door leaf consisting of horizontally arranged, overlapping panel elements, interconnected with hinges. Number of panel elements according to the door height. Double-skinned, sheet thickness 0.4 mm. Insulation: mineral wool bonded over the entire surface

### Leaf thickness:

40 mm

### Frame:

The supporting structure consists of profiled, galvanized steel plate, galvanized guide rail as a C-shaped profile, frame cover made of smooth, galvanized steel plate. The horizontal wall smoke seal is located at the lower edge of the header. With a normal fitting, the door is installed in horizontally arranged guide rails on the ceiling (observe static values of the ceiling construction). With a vertical fitting, the frame for the slide-back area is located above the clear opening.

### Weight compensation:

Via torsion spring shaft. Alternatively, non-counterbalanced system with winding shaft and fire-protection drive.

### Surface:

Stucco design outside and inside (alternatively, woodgrain on the outside).  
Prime coated door leaf (outside and inside RAL 9002)  
If desired, RAL prime coating of your choice, limited selection (see price sheet).  
Galvanized frame, torsion springs with basic coat of paint.

### Fitting:

Rollers running on ball bearings to guide the panel elements, torsion (winding) shaft on ball bearings, cable pulleys on ball bearings for rear drive, damping springs at the top, one suspension cable on the right and left-hand side, handles on both sides for manually operated door, hold-open device with smoke detectors

### Types of fitting:

N: normal fitting \*\*  
HL: high lift guide rail fitting  
VL: vertical fitting \*\*  
\*\* (for required space see installation drawings)

### Special equipment:

Woodgrain outer structure, frame panelling prime coated in RAL 9002. Window with F30 glazing, max. window size 820 x 335 mm, max. 2 windows per panel, max. glazing surface ≤ 2 m<sup>2</sup> per door (lateral width min. 115 mm) with steel glass-holding strips.

### Drives:

Door counterbalanced with torsion spring shaft:  
 a) Spring shaft equipped with eddy current brake and immobilization brake. Using the eddy current brake it is possible to adjust the door speed range from 0.08 to 0.2 m/sec.. The immobilization brake is used to hold open the door in combination with a power supply unit and smoke detectors. Smoke detectors according to guidelines for hold-open devices. Handles are used to open the door (max. door height 2125 mm).  
 b) The same as a) but with additional chain hoist to open the door  
 c) The same as a) but a motor with spur gear unit functions as the opener 230V, IP 44

### Control:

#### Counterbalanced door:

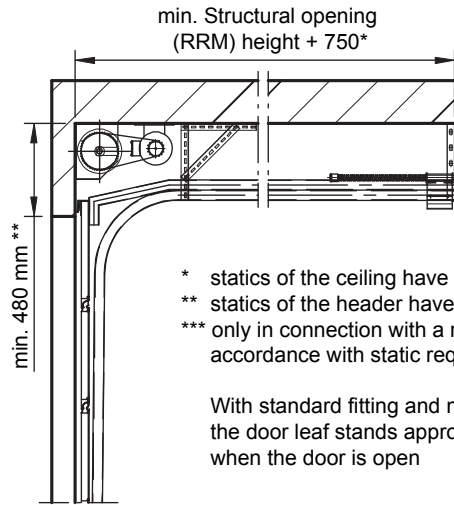
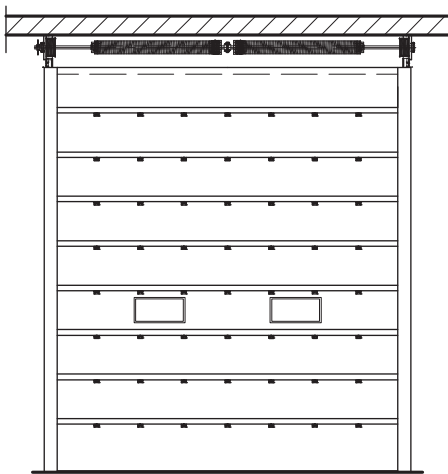
a manually operated door is held open via the immobilization brake. Door release via the close button, via the smoke detector or during a power cut ensures that the door closes at a regulated speed and in a counterbalanced manner. An alarm sounds at the same time. As a drive opener, the door can be opened and closed in deadman mode.

### Safety standard and performance classes:

- Tested in acc. with safety standard EN 12604
- Resistance to wind load tested in acc. with EN 12424 class 2 (max. 450 N/m<sup>2</sup> wind load)
- According to the certification fire sectional doors are manufactured for 2-3 operations daily

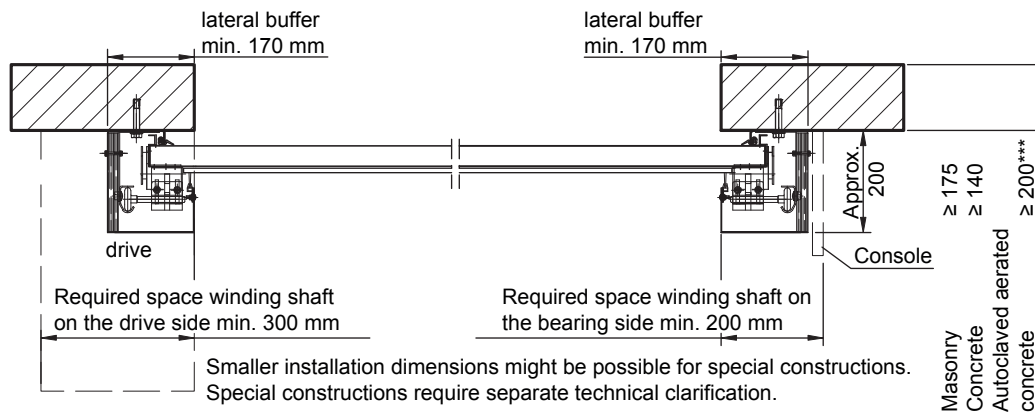
# Fire-resistant sectional door T 30-FSA „Teckentrup S”

Standard: standard fitting front drive

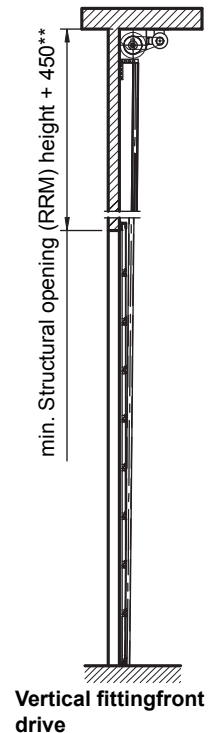
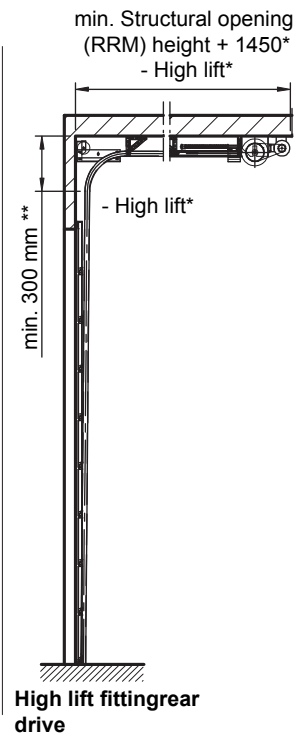
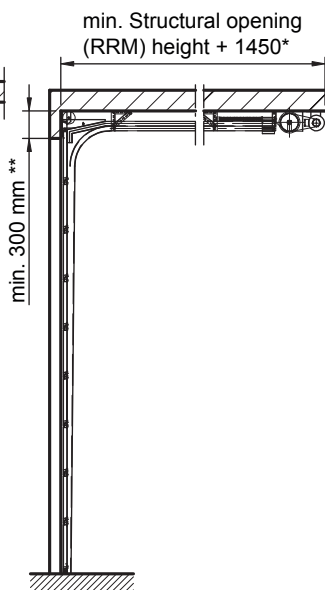
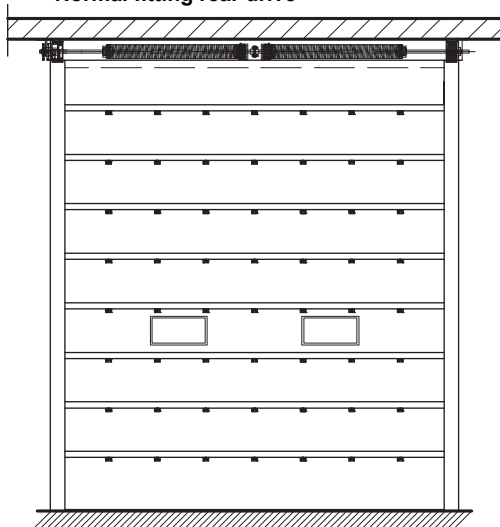


- \* statics of the ceiling have to be adjusted to the door weight
- \*\* statics of the header have to be adjusted to the door weight
- \*\*\* only in connection with a reinforced concrete lintel in accordance with static requirements

With standard fitting and minimum headroom, the door leaf stands approx. 50 mm in the opening when the door is open



Normal fitting rear drive



Minimum installation dimensions are specified for the maximum door size. Smaller installation dimensions might be possible for smaller door sizes.