

Fire-Resistant Sectional Door T 30

“Teckentrup S”



Text example

Compile and tender according to requirements.
Please refer to Technical Data below for respective details.
Updated 01.01.2011

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 runner 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-6.3-1789) 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 runner rail fitting Right or left-hand drive Vertical fitting		



Technical data

Building authority approval:

Fire-resistant sectional steel door
T30 “Teckentrup S”
Approval no.: Z-6.3-1789
Tested in acc. with DIN 4102

Installation in:

Walls made of:

- Masonry min. 175 mm *
- Concrete min. 100 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 – 4700 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

Door leaf thickness:

40 mm

Frame:

The supporting structure consists of profiled, galvanized steel plate, galvanized runner 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 runner rails on the ceiling (observe static values of the ceiling construction!). With a vertical fitting, the frame for the parking 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 runner 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 m² 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
Door not counterbalanced:
Winding shaft with winding forms on the right and left-hand side and anti-drop device. Fire-protection drive with spur gear unit, intermediate flange unit with centrifugal governor, operating current brake with handbrake lever, three-phase motor 400 V, degree of protection IP 44, opening and closing speed approx. 0.08 m/sec.

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.

Door not counterbalanced:

Control with integrated hold-open device. The control is VDS tested, the door closes during a power cut; battery buffered control.
If the smoke detectors are triggered or the power supply fails, the door will still close for more than 4 hours. An alarm sounds at the same time. The normal open/closed function is controlled via a key-operated switch in deadman mode. The number of smoke detectors is determined by the regulations for hold-open devices.

Safety standard and performance classes:

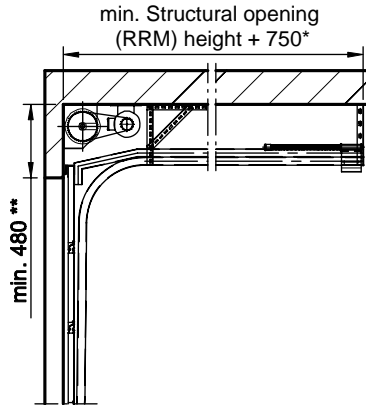
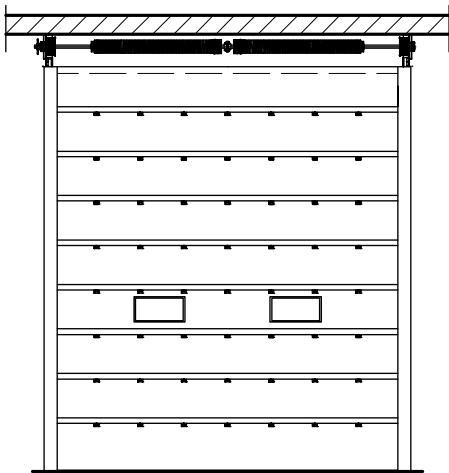
- Tested in acc. with safety standard EN 12604
- Resistance to wind load tested in acc. with EN 12424 Class 2 (max. 450 N/m² wind load)
- According to the certification fire sectional doors are manufactured for 2-3 operations daily

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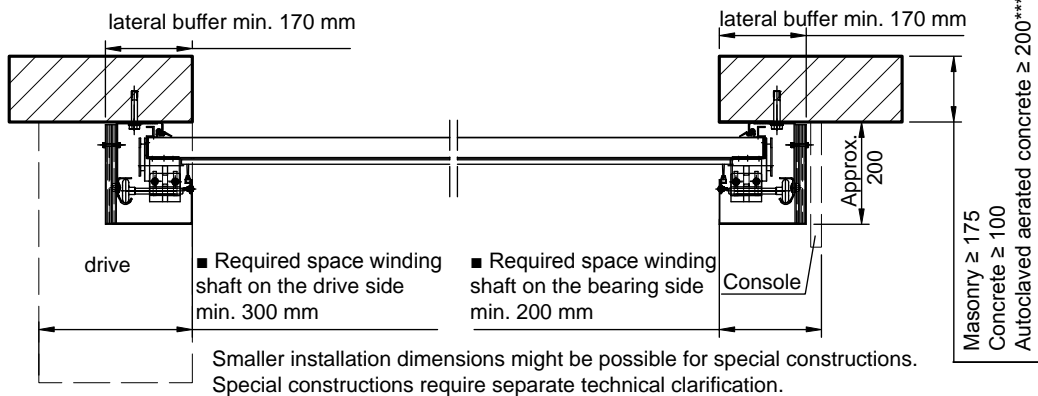


Standard: Standard fitting front drive



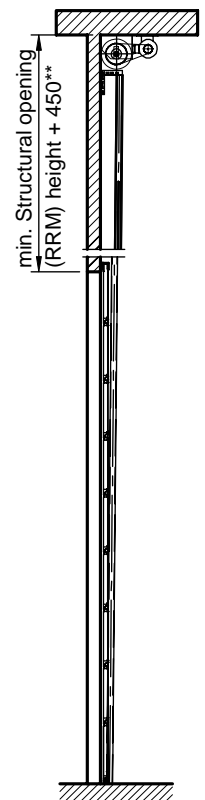
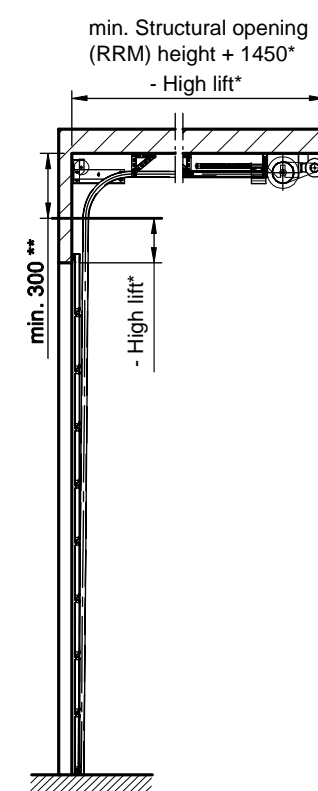
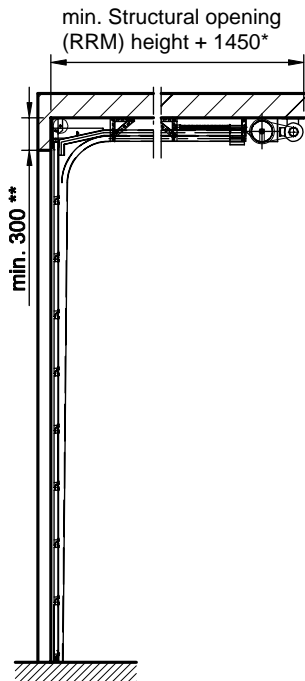
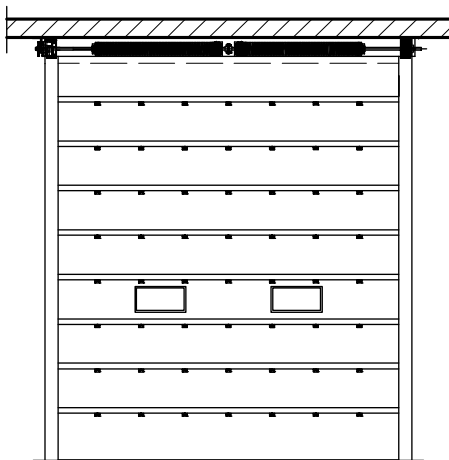
* statics of the ceiling have to be adjusted to the door weight
 ** statics of the header have to be adjusted to the door weight
 *** only in connection with a reinforced concrete lintel in accordance with static requirements

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



Smaller installation dimensions might be possible for special constructions. Special constructions require separate technical clarification.

Normal fitting rear drive



High lift fitting rear drive

Vertical fitting front drive

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