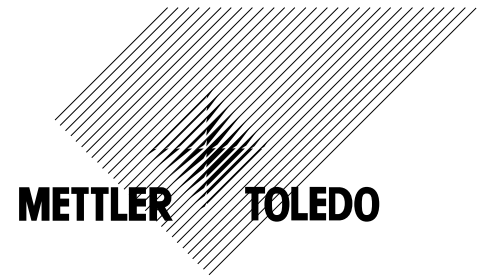
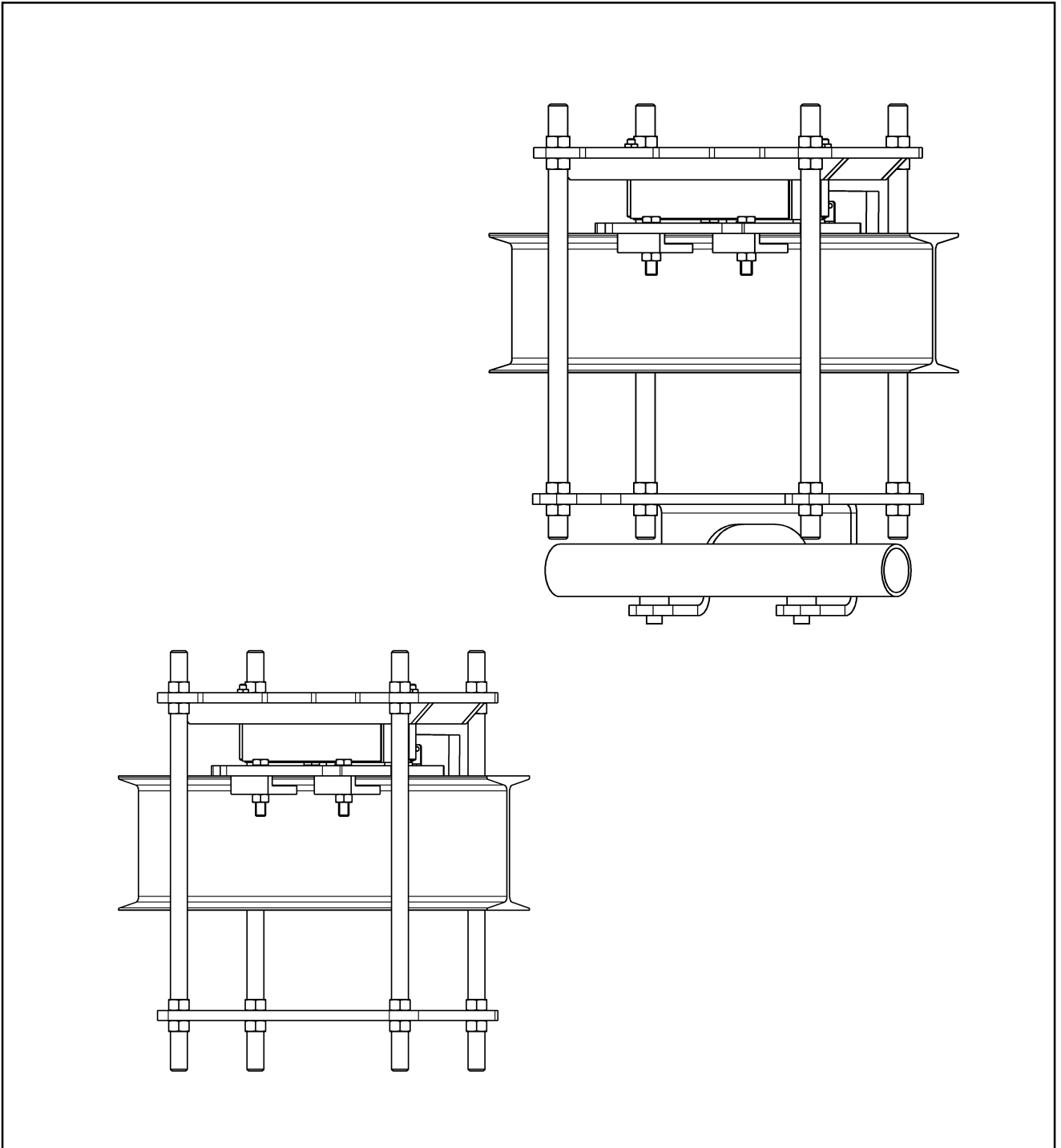


**Installation information**



**METTLER TOLEDO MultiRange  
Overhead rail scale  
DSO150T / DSO300T**



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## 1. General

- This installation information contains all necessary details regarding the setting up and putting into operation of the following weighing platforms:

DSO150T / DSO300T

- Information regarding operation can be found in the operation instructions, ME-22010098.
- Information regarding maintenance, rectification of malfunctions and repairs is contained in the service manual ME-22010106.

## 2. Installation

### 2.1 Preparatory work



#### Note

Before starting the installation work, you should acquaint yourself with the local conditions.

#### Warning

As METTLER TOLEDO has no knowledge of the local conditions, it can accept no responsibility whatsoever for fastening the overhead rail scale to the rail conveyor support structure.

#### Unpacking the accessories

Please ensure that all the accessories supplied with the overhead rail scale are removed from the package.

#### Accessories

- 1 Set of labels
- 1 Set of fasteners
- 1 Set of threaded rods

#### Cautionary note

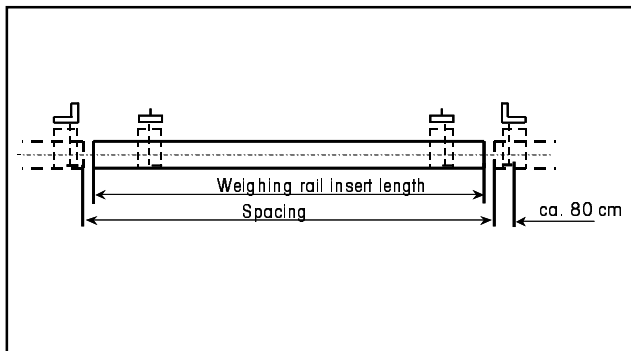


To prevent occupational accidents, the installer must set up equipment, issue instructions and take measures which comply with the provisions of the general accident prevention regulations and any special accident prevention regulations otherwise in force as well as the generally recognized safety and occupational medical codes of practice. (Excerpt from § 2 of the German general accident prevention regulations.)

#### Warning

- The selected supporting structure must be able to accommodate the supporting forces specified in the relevant dimension diagram in the Appendix.
- The maximum safe load must be checked and then verified by a building specialist.
- If the supporting structure does not meet these requirements, the overhead rail scale may not be installed.

## 2.2 Preparing the rail conveyor



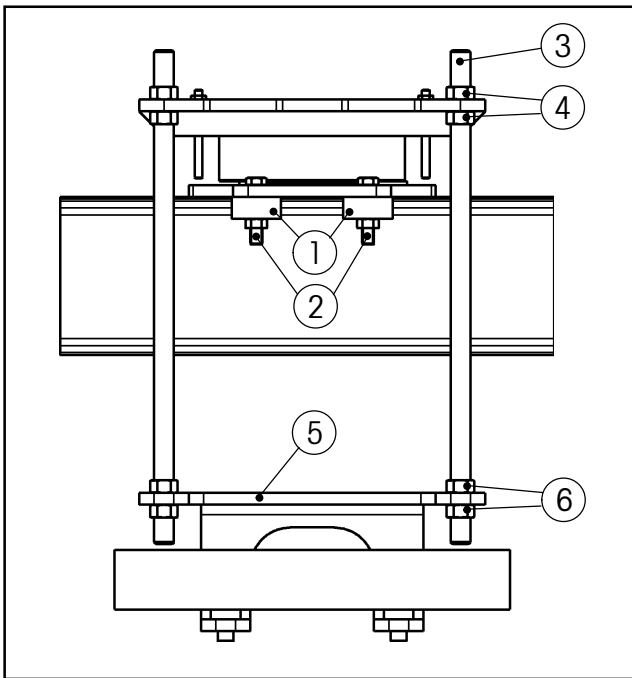
Cut out the existing rail conveyor appropriate to the weighing rail insert length, see dimension diagram. To determine the position, measure the overhead rail scale and mark the middle of the scale on the rail conveyor with a plumb bob.

Weighing rail insert length	200	300	400
Spacing	204	304	404

### Attention:

Distance of the last suspension of the stationary tubular track about 80 cm from weighing rail notch.

## 2.3 Installing the overhead rail scale

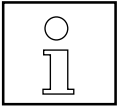


- Hold the scale with 4 clamping plates (1), screws and nuts (2) at the tubular track support , but do not fasten.
- Attach the thread-bars (3) with the nuts (4) to the scale
- Push track-carrier with track (5) to the thread-bars and fix them with the nuts (6)
- Adjust overhead rail scale laterally and in the height to the tubular track.
- Tighten the screw nuts
- Check that all screws and nuts are tight
- Cut length of thread bars that jut out.

## 2.4 Routing the connection cable



Route connection cable to terminal so that is protected against possible damage.



- This completes the installation work for the overhead rail scale.
- The connection cable has a length of 20 m.

## 3. Scale configurations

The scale is tested in the factory as 1 x 3000e SingleRange

The following configurations can be set:

Type	Maximum load	Readability	
		certifiable	non certifiable
DSO 150T	150kg	0,05kg	0,01kg
DSO 300T	300kg	0,1kg	0,02kg

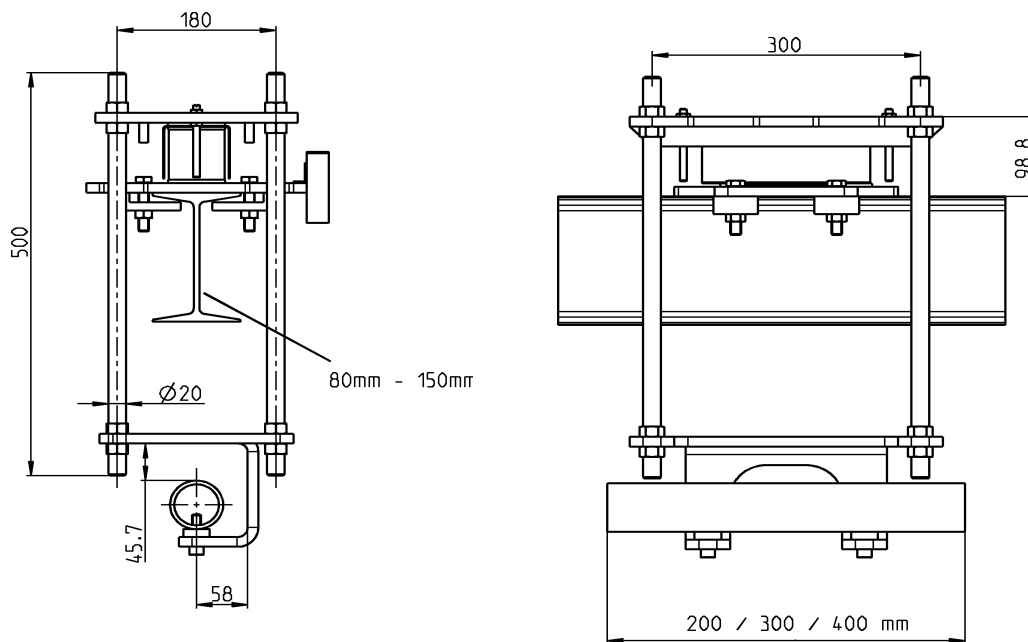
## 4. Appendix

### 4.1 Assessing the supporting structure

#### Calculation fundamentals for the supporting forces which appear

Weight of overhead rail scale  $G = 0,33 \text{ kN}$   
Live load (max. safe load)  $P = 4,4 \text{ kN}$

### 4.2 Dimensions









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