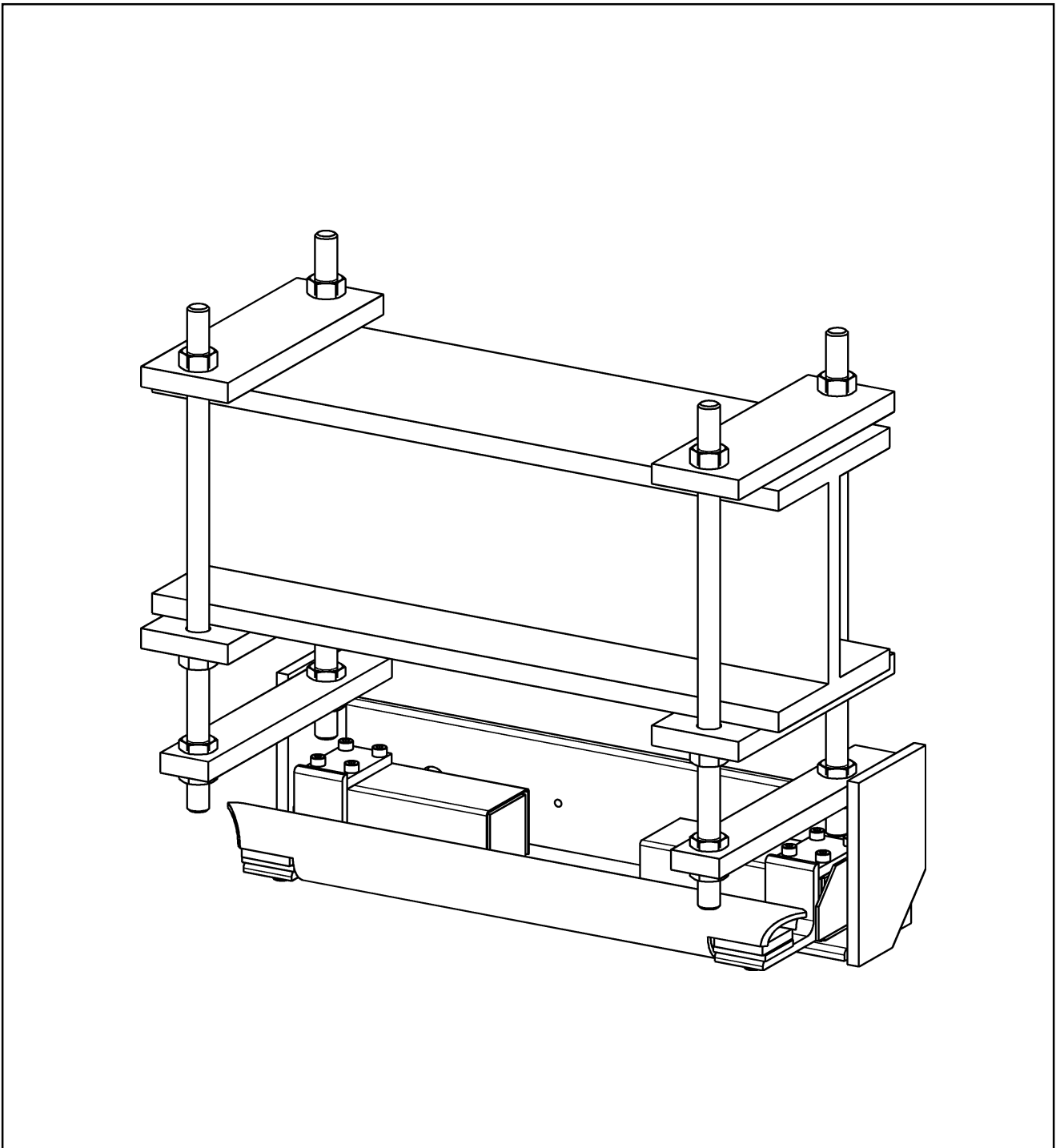


**Installation information**

**METTLER TOLEDO MultiRange  
Overhead rail scales  
D0300 / D0300T**

**METTLER TOLEDO**



---

<b>Contents</b>	<b>Page</b>
<b>1. General .....</b>	<b>2</b>
<b>2. Installation .....</b>	<b>2</b>
2.1 Preparatory work .....	2
2.2 Preparing the rail conveyor .....	3
2.3 Installing the overhead rail scale .....	4
2.4 Routing the connection cable .....	5
<b>3. Scale configurations .....</b>	<b>5</b>
<b>4. Appendix .....</b>	<b>6</b>
4.1 Assessing the supporting structure .....	6
4.2 Dimensions .....	6

## 1. General

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

DO300 / DO300T

- Information regarding operation can be found in the operation instructions, 00506336.
- Information regarding maintenance, rectification of malfunctions and repairs is contained in the service manual 00506344.

## 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 Identcard
- 1 Set of fasteners
- 1 Set of threaded rods

#### Cautionary note

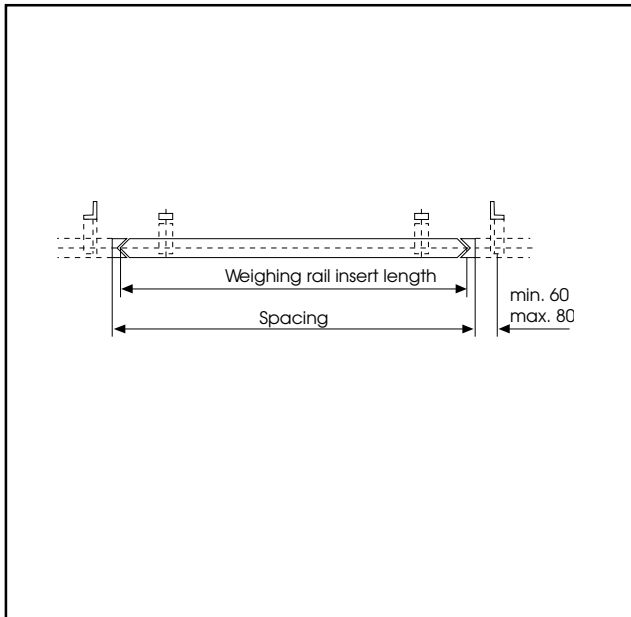


To prevent occupational accidents, the installer must set up equipment, issue instructions and take measures which comply with the provisions of the general accident prevention regulations and any special accident prevention regulations otherwise in force as well as the generally recognized safety and 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 conveyer



### Preparing the rail conveyer

- Cut out the existing rail conveyer 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 conveyer with a plumb bob.

Weighing rail insert length	1000	800	600
-----------------------------	------	-----	-----

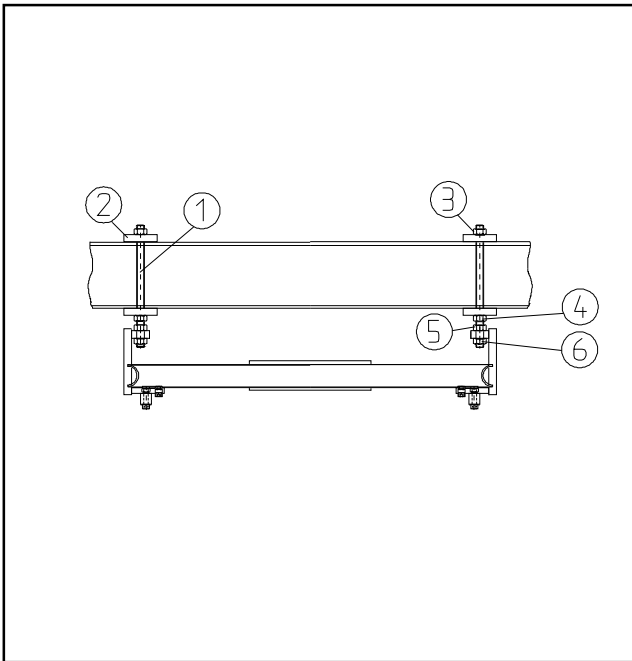
Spacing	1034	834	634
---------	------	-----	-----

- Screw on tubular track adapters ensuring vertical positioning. The adapters are fitted with self-expanding fasteners and can be inserted in rails with internal diameters 50.5 mm - 55.5 mm.

### 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



- Fix the four thread bars (1) with clamping plates (2), screw nuts (3) and flat screw nuts (4) at the tubular track support , but do not fasten.
- Screw in flat screw nuts (5).
- Put overhead rail scale into the thread bars and fix with screw nuts (6).
- Adjust overhead rail scale laterally and in the height to the tubular track.
- Fasten screw nuts.
- All screws and screw nuts have to be controlled on their tight sit and have to be tightened up, if necessary.
- Cut length of thread bars that jut out.

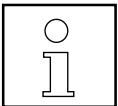
### **Important**

- Do not twist / deform supporting frame when tightening the nuts.

## 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.. Fahren Sie danach gemäß Kapitel "Installation" der Terminalbedienungsanleitung fort.
- If you wish to connect the overhead rail scale directly to a computer, you will need the "ID/Power Supply" as a source of power. In this case, proceed in accordance with the startup procedure described in the instructions enclosed with the power supply.
- The connection cable has a length of 20 m. For remote setup of the terminal, the cable can be extended to max. 100 m (see optional equipment in appendix).

## 3. Scale configurations

The scale is configured in the factory as follows:

- certifiable
- SingleRange, 3000 e resolution

The Identcard (identification card) is prepared with the appropriate measurement data plate in the factory.

The following configurations can be set:

Type	Maximum load	Readability	
		certifiable	non certifiable
D0300 / D0300T	300kg	0,1 kg	0,05kg

The scale configuration can be changed in the service mode. Please see the installation information of the corresponding weighing terminal.

### Note

If the configuration is changed, the new measurement data plate must be affixed to the identcard.

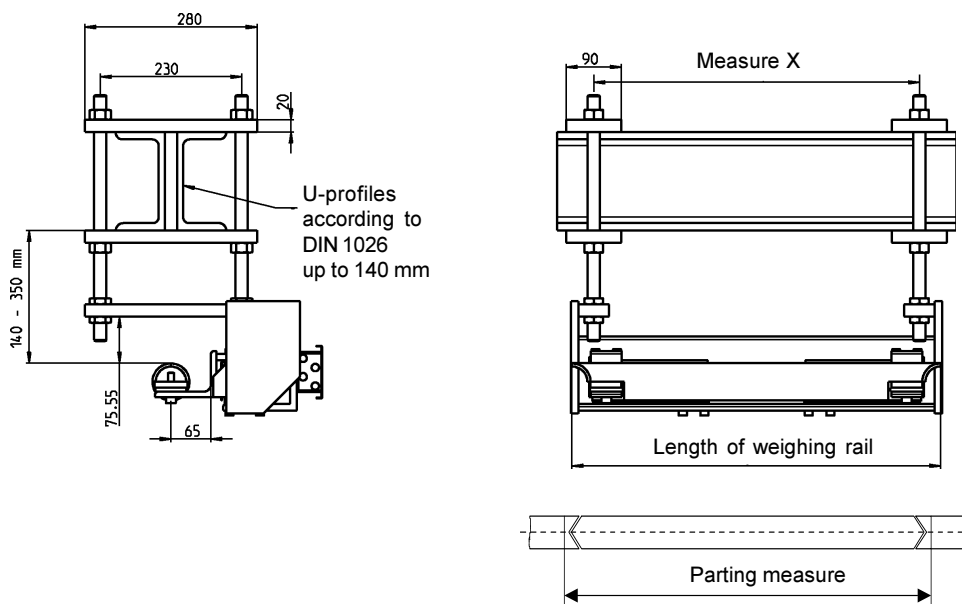
## 4. Appendix

### 4.1 Assessing the supporting structure

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

Weight of overhead rail scale  $G = 0,54 \text{ kN}$   
 Live load (max. safe load)  $P = 5,8 \text{ kN}$

### 4.2 Dimensions



Length of weighing rail [mm]	1000	800	600
Parting measure [mm]	1034	834	634
Measure X [mm]	990	730	530



**00506341**

Subject of technical changes © Mettler-Toledo (Albstadt) GmbH 09/03 Printed in Germany 00506341B

**Mettler-Toledo (Albstadt) GmbH**

D-72458 Albstadt

Tel. ++49-7431-14 0, Fax ++49-7431-14 232

Internet: <http://www.mt.com>