

Quick guide

Hygienic Weighing Module Contego®



Foreword

Must be followed!

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1 General information

This quick guide describes the weighing module Contego® mounting operation.

A detailed description is given in the installation manual.

Make absolutely sure you follow the safety instructions in the installation manual.

2 Assembly

2.1 Safety instructions

The bottom must be designed as follows:

- horizontal (spirit level!) supporting/sealing surface
- flat supporting/sealing surface
- sufficient load carrying capacity for the provided loads

Note:

For further information, see Installation Manual.

⚠ WARNING

The vessel may turn over during mounting.

Securing the vessel against tipping is imperative.

- ▶ Use an appropriate lifting jack.
-

The following must be observed during installation:

- Do not lift or transport the load cell via the cable.
- Avoid shock stress (falling down, hard shocks).
- The load cell must be installed vertically and centrally in the mounting kit.
- Load forces must act in the measuring direction of the load cell.
- The load disc must not be subjected to transverse forces.
- All contact points between load cell and load disc must be adequately greased.

NOTICE

The bellows and the O-rings are delicate mounting parts.

- ▶ Do not use sharp-edged tools.
-

NOTICE

No leak-tightness of the contact surfaces present.

The following contact surfaces must be clean and even to ensure reliable sealing:

- ▶ between upper plate and vessel foot
 - ▶ between lower plate, adapter plate (if any) and foundation
-

Note:

The weighing module is delivered preassembled.

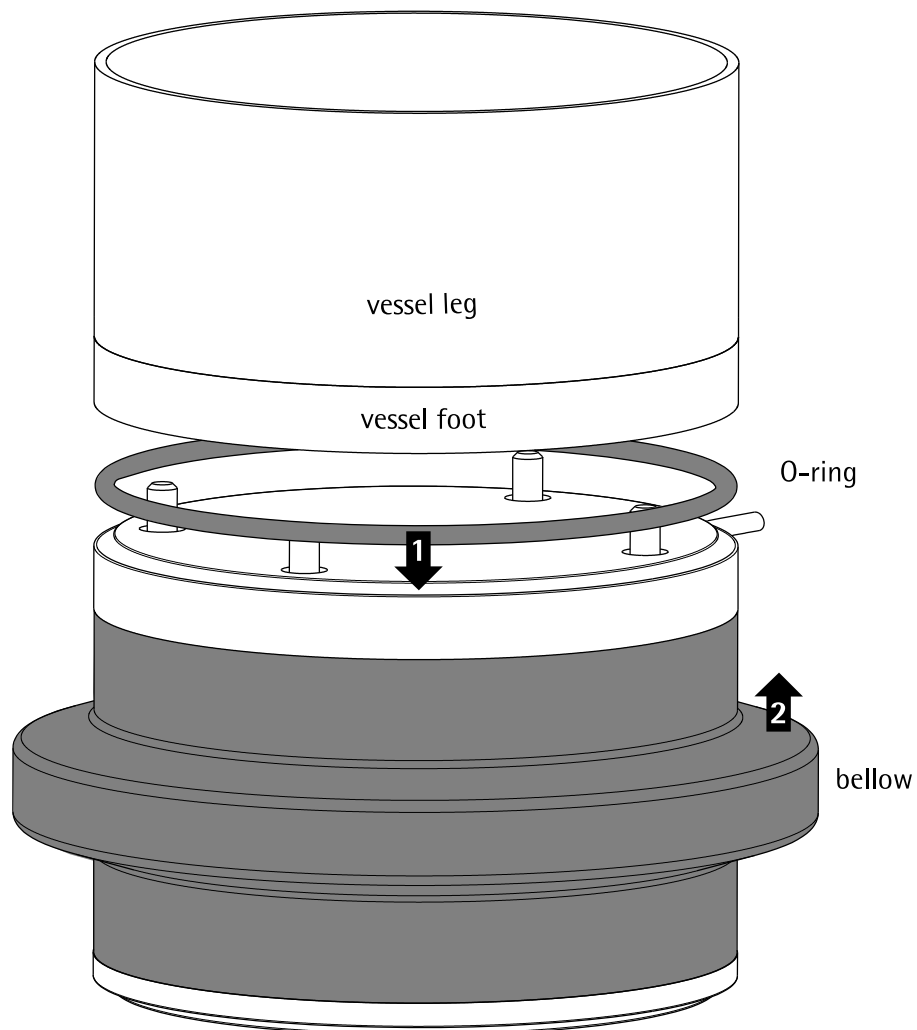
The lift-off protector is adjusted in a way that the load cell is unloaded. Thus overloading the load cell during installation is prevented.

When using adapter plates, a 13mm socket wrench with insert according to DIN 3124 (long version) is required for mounting.

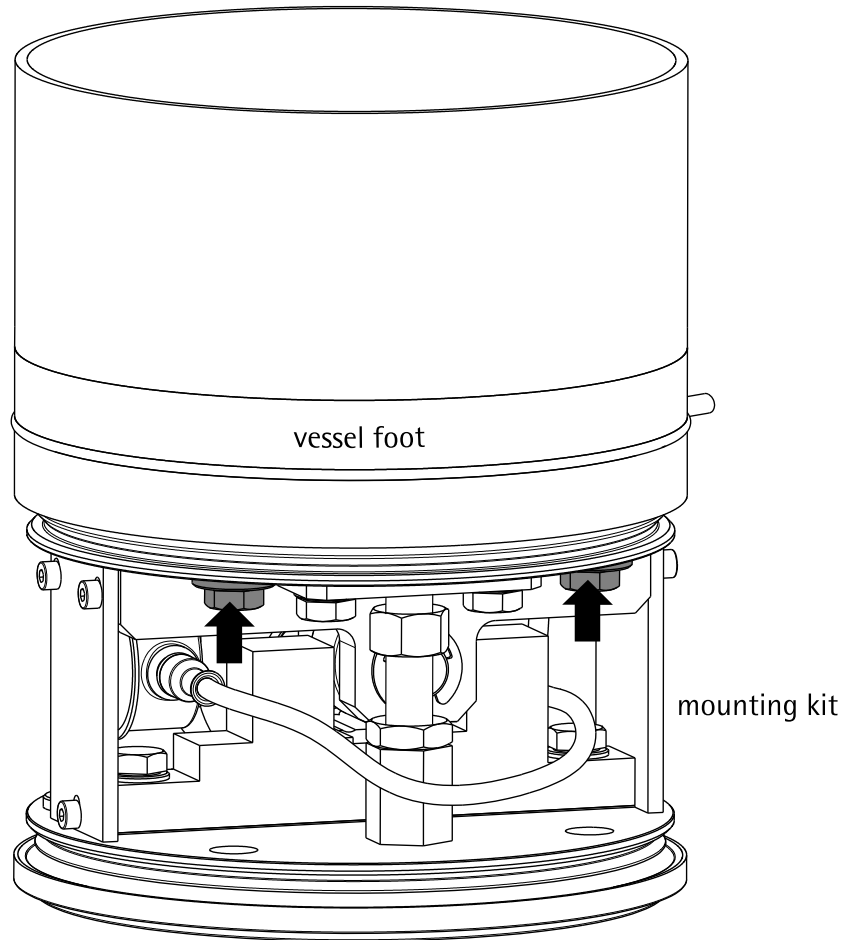
2.2 Mounting the weighing module

The operations must be performed at all supporting points (e.g. vessel foot) of the weighing object (e.g. vessel).

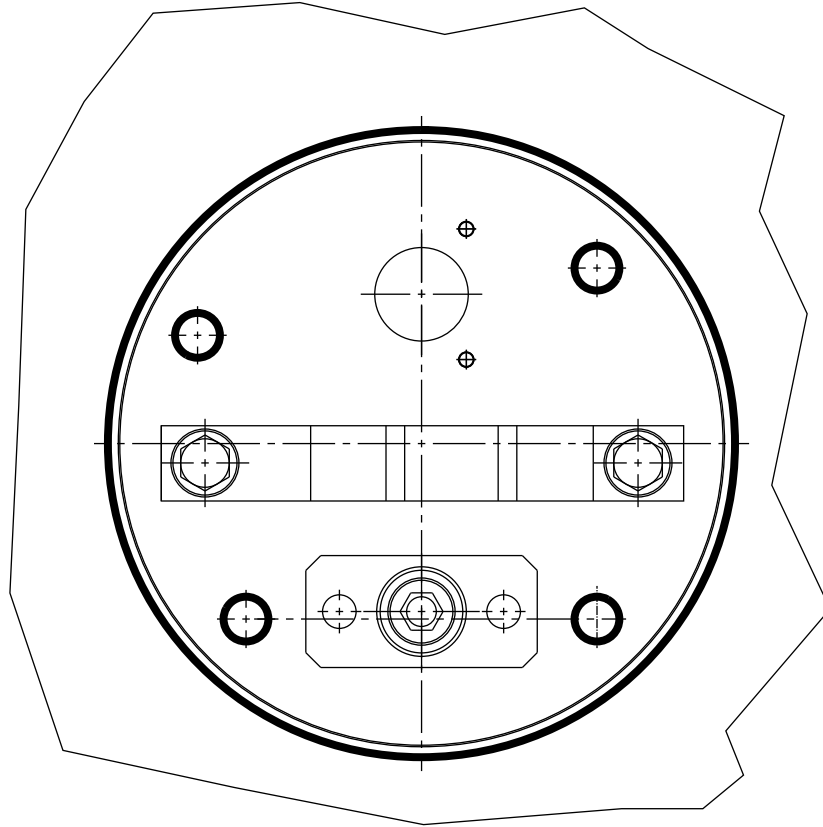
1. Check if all threaded holes required for mounting in the vessel foot/lug are provided.



2. Insert the O-ring into the groove of the upper plate and put the weighing module under the vessel foot.
3. Slip the bellow over the mounting kit and the vessel foot carefully so that the mounting kit remains accessible for mounting.



4. Fit the mounting kit to the vessel foot. It is essential to observe the tightening torques of the screws and the property classes of the screws (4x) and washers (4x), see installation manual.
5. Position the vessel on the bottom.

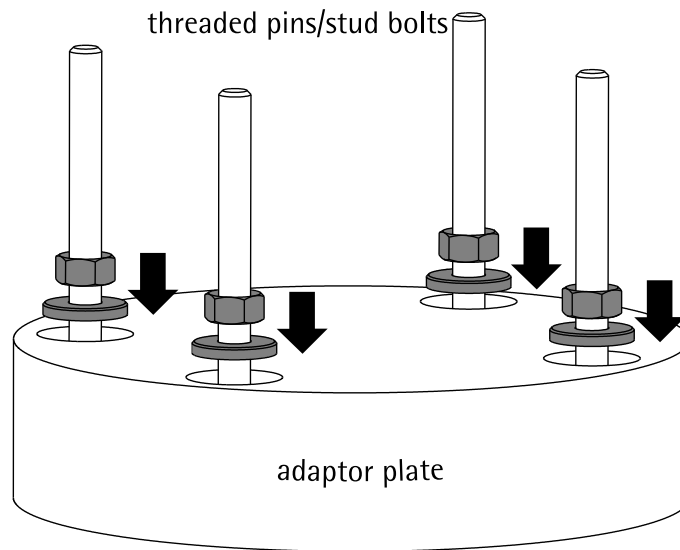


6. Mark the boreholes and the seating (outline) of the lower plate on the foundation.
7. Lift the vessel.

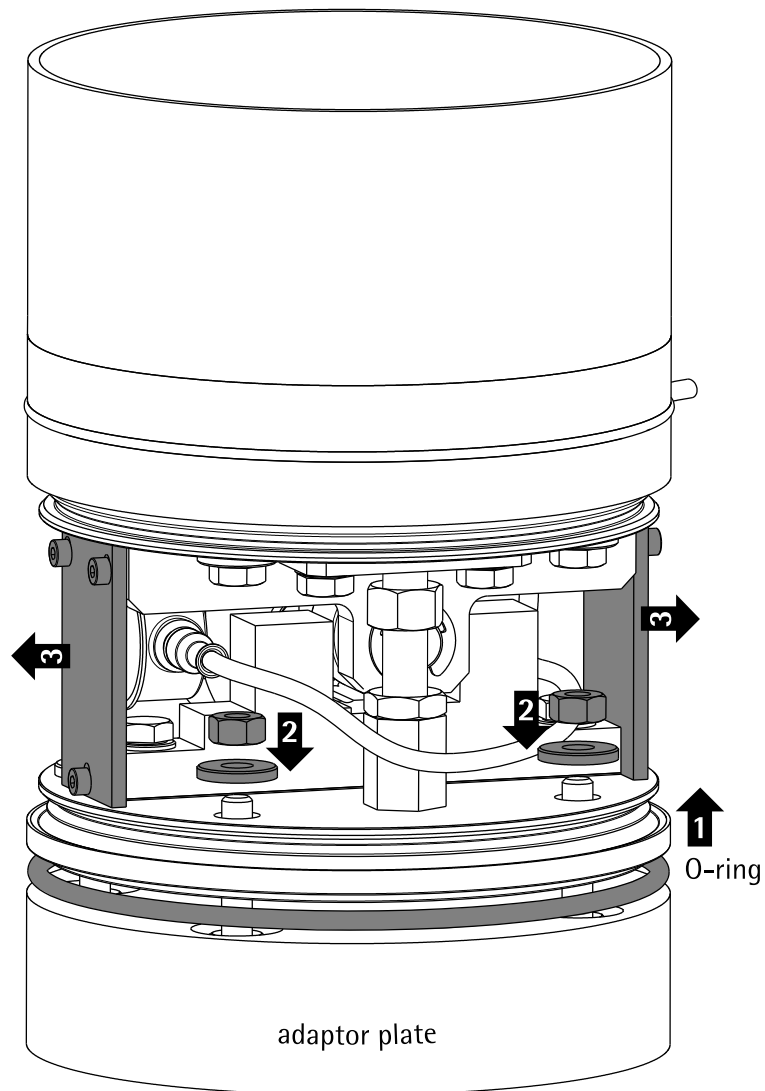
Note:

Shown without upper plate and load cell.

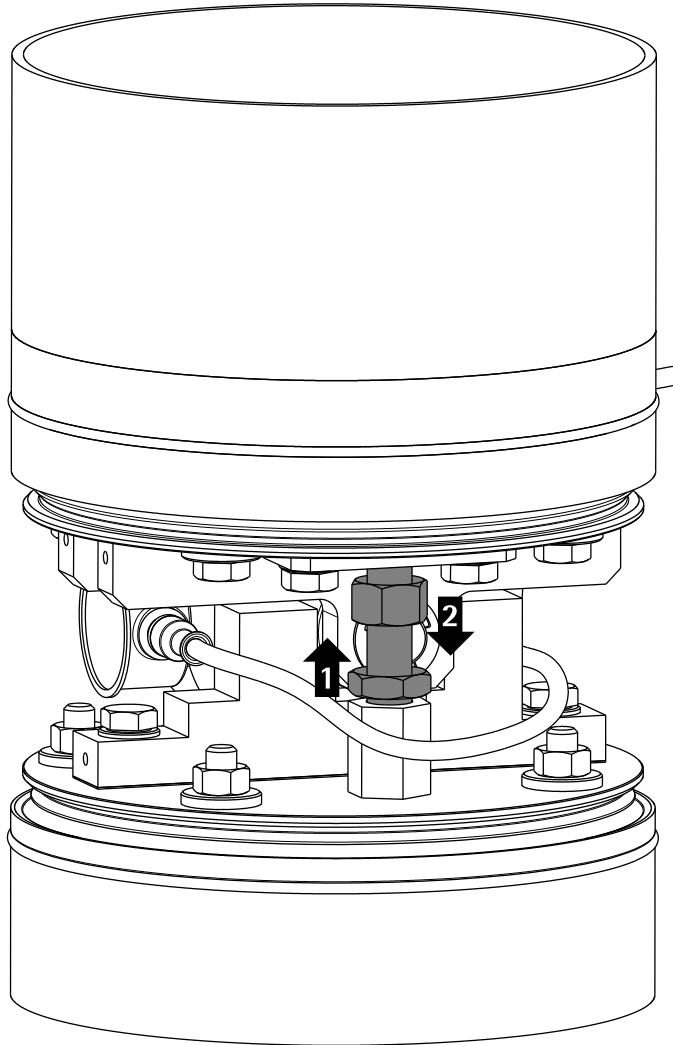
8. Make the boreholes for the threaded pins/stud bolts.



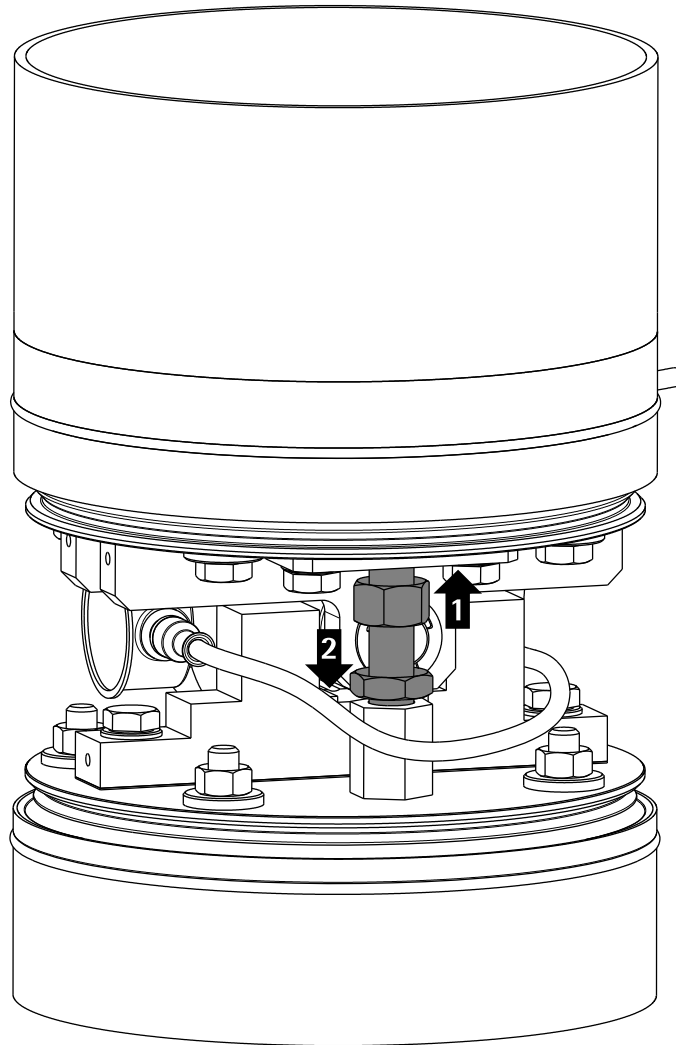
9. It is indispensable to insert the threaded pins/stud bolts vertically with the required height 'H', see installation manual.
10. Place the adapter plate onto the bottom within the circumferential marking and fasten it with screws. It is essential to observe the tightening torques of the screws and the property classes of the screws (4x) and washers (4x), see installation manual.



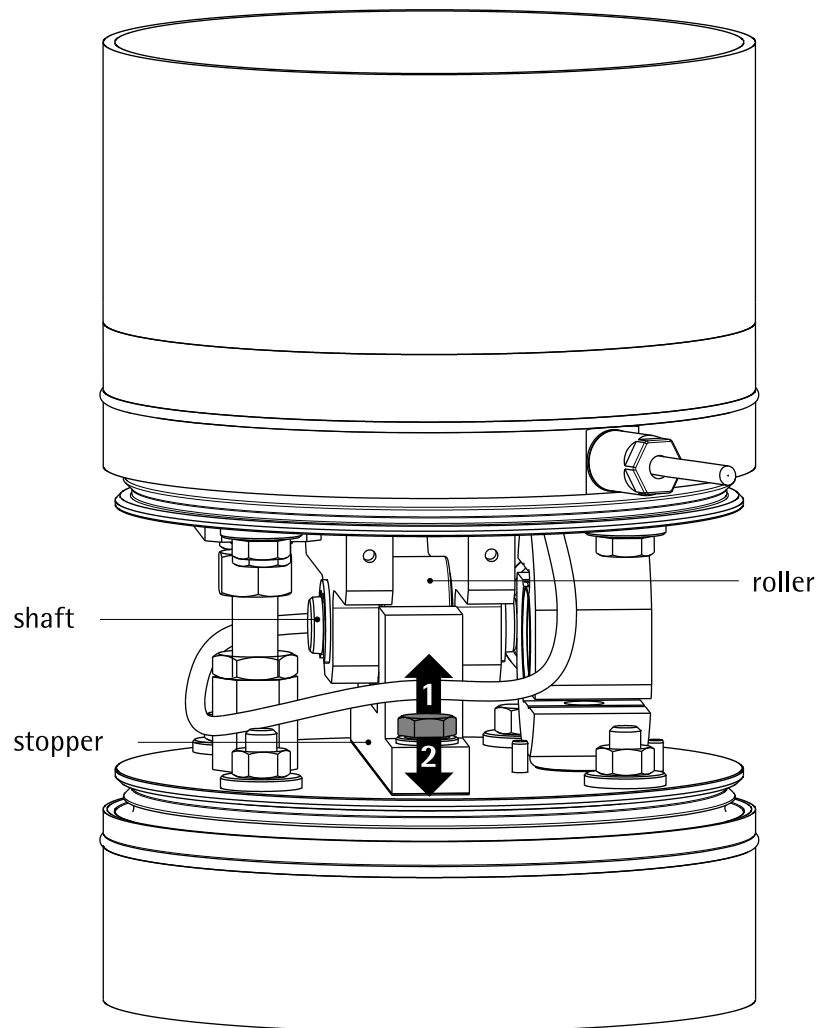
11. Insert the O-ring into the groove of the lower plate.
12. Place vessel on the adapter plates and screw on the bottom plate. It is essential to observe the tightening torques of the screws and the property classes of the screws (4x) and washers (4x), see installation manual.
13. Remove the auxiliary mounting plates (if necessary, unload them using the jack-up).



14. Loosen the nut of the lift-off protector.
15. Slowly turn the threaded bolt of the lift-off protector at the hex downwards until it stops to lower the vessel onto the load cell.



16. Turn the threaded bolt back by 1...1½ revolutions (approx. 2 mm) to adjust the spacing.
17. Re-tighten the nut of the lift-off protector. It is essential to observe the tightening torques, see Installation Manual.



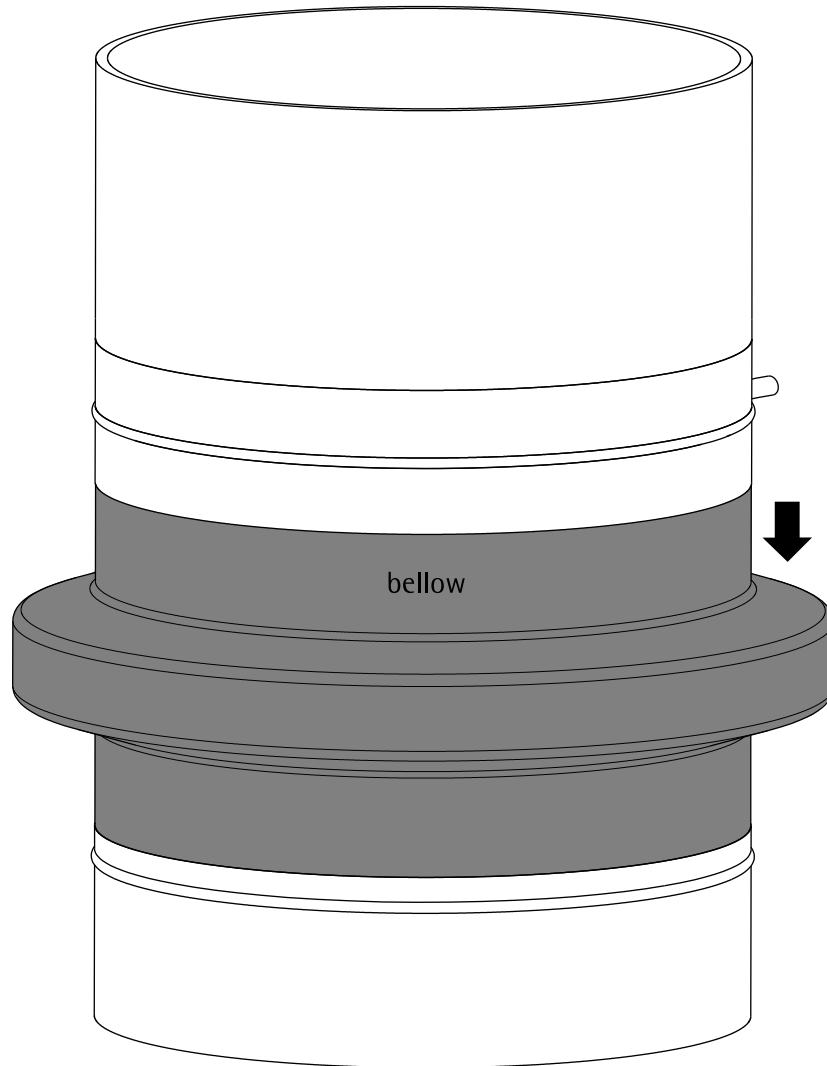
18. Check whether shaft or/and roller can move freely.

If shaft or/and roller cannot be moved, the weighing module is distorted and must be adjusted:

19. Loosen screws.

20. Shift the stopper, until shaft or/and roller can move freely again.

21. Re-tighten the screws. It is essential to observe the tightening torques, see installation manual.



22. Shift off the bellow from the vessel foot.
23. Fit the bellow, press it firmly into the groove of the upper and lower plate circumferentially, and make sure that the transitions are flush.

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