

## Telescopic covers and well extensions $\varnothing$ 600 and $\varnothing$ 800 Installation and Maintenance Guide

*Thank you for purchasing a product made by Eccua, and we hope that the product meets your highest expectations!*

### 1. WARRANTY

Eccua provides a 24-month warranty for the wells sold. Eccua undertakes to rectify equipment failures under the following conditions:

- The malfunction is caused by a defect in the well's construction or material, or its improper manufacturing.
- The malfunction has been reported to an ECCUA sales representative during the warranty period.
- The product has been used in accordance with the instructions provided in this user manual regarding **installation and maintenance**, and the product has been used only in the intended area of application.
- If excavating the product is necessary to identify the fault, it must be carried out in the presence of a manufacturer's representative.
- Only original ECCUA spare parts and accessories are used.

Under warranty, failures resulting from inadequate maintenance, incorrect installation, improperly performed repairs, or normal wear and tear are not covered for compensation.

### 2. GENERAL INFORMATION

Eccua wells are delivered assembled and ready for use. The well casings are made of PE plastic using the rotational molding method. The durability of the wells for various installation depths is tested using a vacuum method. The permitted installation depths take into account a reserve factor of at least 1.25 times.

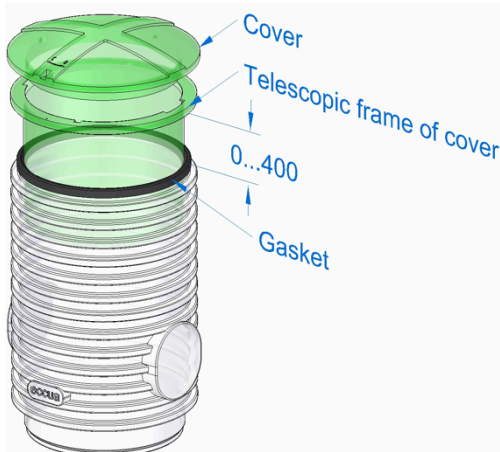
The telescopic hatch and well extension are used in the production of various end products such as tanks, oil separators, grease separators, water meter wells, air separation wells, damper wells, hydrant wells, sewage pumping stations, pressure booster wells, etc. This maintenance and installation guide applies to all products where the  $\varnothing$  600 and 800 telescopic hatch and well extension are used.

### 3. PRODUCT HANDLING AND INSTALLATION

- When handling the telescopic hatch and well extension, it is important to be careful, and during transportation, the product must be securely fixed in place.
- Immediately after lifting the well from the transportation vehicle, check to ensure that the products have not been damaged during transit.
- The maximum weight capacity of the plastic telescopic hatch is 100 kg.
- The maximum installation depth of the well extension as standard is 2 meters up to the bottom edge of the extension. For deeper installations, the well must be ordered with a reinforced structure.
- When installed in traffic areas, the cover of the telescopic hatch must be replaced with a cast iron cover capable of withstanding the appropriate load.

### 4. Ø 600 INSTALLATION OF THE TELESCOPIC HATCH

#### 4.1. Installation of the Ø 600 telescopic hatch casing

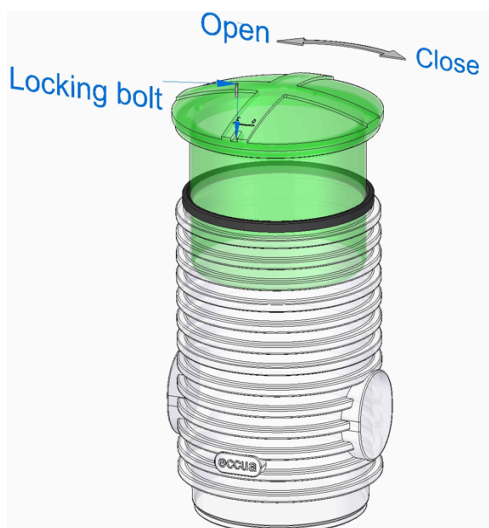


The gasket provided with the hatch (shown in the diagram as "Gasket") should be installed on the upper edge of the well extension so that the gasket covers the entire upper edge of the well extension.

The telescopic casing (shown in the diagram as "Telescopic frame of cover") is pressed into the gasket installed on the upper edge of the well extension. To facilitate smoother movement of the hatch in the gasket, the sealing surface of the gasket should be lubricated with a sliding agent beforehand.

The telescopic hatch casing can be moved within a range of 0 to 400 mm in the gasket.

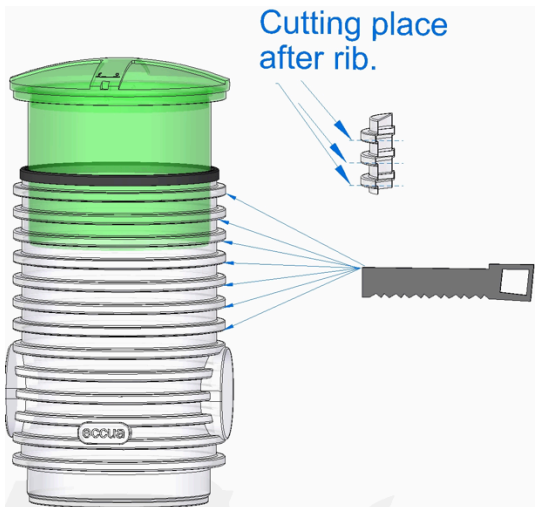
#### 4.2. Locking and unlocking the Ø 600 hatch



Install the hatch onto the telescopic casing in such a way that the bolt hole in the hatch aligns with the nut installed on the frame of the casing. Once the hatch is correctly positioned on the telescopic casing, turn the hatch counterclockwise until the bolt hole becomes visible in the casing where the nut is located. Then, insert the bolt (shown as locking bolt) into the bolt hole and tighten it securely into the nut.

To open the hatch, first remove the locking bolt and then turn the hatch clockwise until it can be detached from the casing.

### 4.3. Cutting the Ø 600 well extension to size



In case the telescopic capability provided by the hatch casing is not sufficient, it is possible to shorten the well extension according to the illustration.

Remove the gasket from the extension.

Measure the desired height to which you want to cut the extension and mark it on the extension.

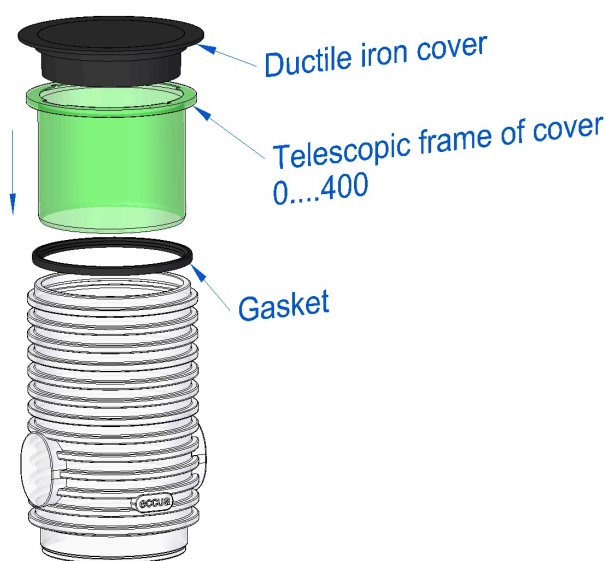
Cut the extension from below the ribs as indicated in the diagram ("Cutting place after rib"). Make sure not to cut from the ribs themselves.

Make sure the cut is straight and clean to ensure proper installation afterward.



After cutting the well extension to the correct size, reinstall the telescopic gasket onto the upper edge of the extension. Then, press the hatch casing into the gasket according to point 4.1

### 4.4. Installation of the Ø 600 cast iron hatch into the telescopic hatch casing



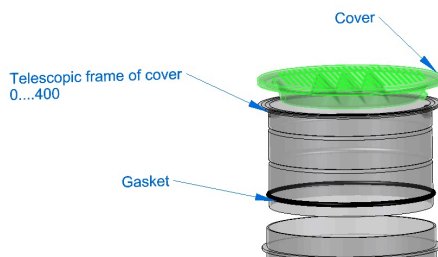
In the event that it is necessary to replace the plastic hatch with a cast iron hatch during installation, provisions have been made for this option. The telescopic hatch casing is specifically designed to accommodate the D600 cast iron hatch casing exactly (see diagram).

First, remove the plastic hatch. Then, insert the cast iron hatch casing into the plastic telescopic casing. If necessary, drill a hole through both hatch casings and secure them together with a bolt.

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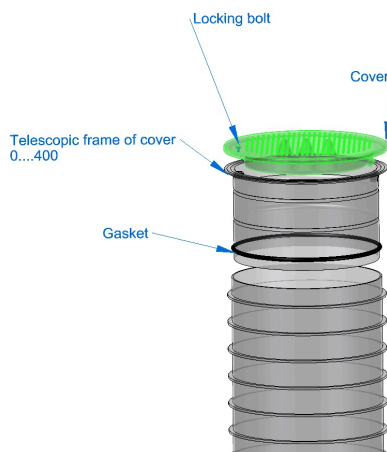
## 5. INSTALLATION OF THE Ø 800 TELESCOPIC HATCH

### 5.1. Installation of the Ø 800 telescopic hatch casing



Install the telescopic gasket (shown in the diagram as "Gasket") provided with the hatch into one of the three seal sockets in the telescopic frame of the cover. Then, press the hatch casing into the well extension to the desired depth. To facilitate smoother movement of the hatch within the seal, lubricate the sealing surface of the gasket with a sliding agent beforehand. The telescopic hatch casing can be moved within the seal within a range of 0 to 400 mm.

### 5.2. Locking and unlocking the Ø 800 hatch

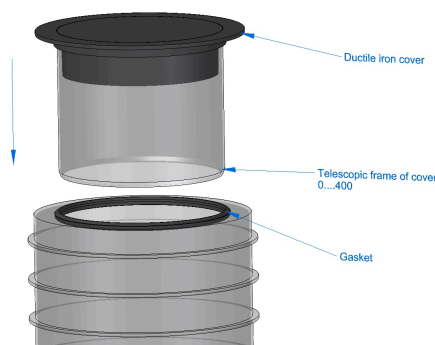


First, place the fixing bracket located at the bottom edge of the hatch into the socket in the hatch casing. Then, close the hatch, ensuring that the nut in the hatch casing aligns with the hole in the hatch.

Next, insert the bolt (shown as locking bolt) into the bolt hole and tighten it securely into the nut.

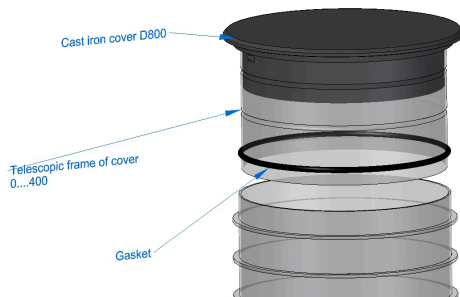
To open the hatch, first remove the locking bolt and then lift the edge of the hatch near the bolt hole.

### 5.3. Installation of the Ø 600 cast iron hatch into the Ø 800 telescopic hatch casing



Install the telescopic gasket (shown in the diagram as "Gasket") provided with the hatch into the opening of the well extension, ensuring that the gasket covers the entire upper edge of the well extension. Press the telescopic hatch casing (shown in the diagram as "Telescopic frame of cover") into the gasket installed on the upper edge of the well extension. To facilitate smoother movement of the hatch within the gasket, lubricate the sealing surface of the gasket with a sliding agent beforehand. The telescopic hatch casing can be moved within the gasket within a range of 0 to 400 mm.

#### 5.4. Installation of the Ø 800 cast iron hatch into the Ø 800 telescopic hatch casing



Install the telescopic gasket (shown in the diagram as "Gasket") provided with the hatch into one of the three seal sockets in the telescopic frame of the cover. Then, press the hatch casing into the well extension to the desired depth. To facilitate smoother movement of the hatch within the seal, lubricate the sealing surface of the gasket with a sliding agent beforehand.

The telescopic hatch casing can be moved within the seal within a range of 0 to 400 mm.

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