

# Ring Seal - Modular Seal

## Installation Instruction Modular-Seal-Insert Ring-Seal Proceeding

### Surface Preparation

Ensure the cleanliness of the surface on the core bearing, casing-pipe, or carrier pipe within the designated installation area.

### Disassembly of Modular Seal Chain

Remove the bolt from the end of the modular seal chain, and keep the two pressure plates, the bolt, and the nut/washer for later use.

### Assembly and Fixation of Seal Chain

Position the open seal chain around the pipe, securing it with the bolt. Adjust the modular seal as needed by stretching or pressing. Reattach the bolt, nut/washer, and pressure plates, loosely fastening the bolts without exerting undue pressure on the modular seal.

### Centric Adjustment Check

Verify the centric alignment of the carrier pipe, noting that the high-quality materials of the modular seal do not substitute for a support bar for the carrier pipe.

### Modular Seal Installation Direction

Install the modular seal from the structure's side (where the bolt head is located) that allows for easy post-installation access for adjustments, such as retightening due to settling conditions.

### Sealing and Moistening

Fully insert the sealed modular unit into the annular space, enhancing installation by moistening the elastomer parts and/or the surfaces with soap water (lubricants should be avoided).

### Bolt Tightening Process

Tighten all bolts in a uniform, clockwise direction, ensuring even turns until the space is fully occupied by the rubber elements and the ring seal is securely in contact with both the inner and outer surfaces.

### Torque Specifications

Complete the tightening process with a torque wrench set to the specified torque value as indicated in the accompanying table.

### Torque Reevaluation

After approximately 2 hours, reevaluate the torque to ensure a pressure-tight seal, with adjustments made as necessary after about 48 hours to maintain seal integrity.

## Bolt-Torque for Lu-GT 2.0 bar / Lu-GT 5.0 bar

<i>Lu-GT 20 mWS Lu-GT 50 mWS</i>	<i>bolt-size</i>	<i>wrech-size</i>	<i>Torque Nm (max.)</i>
<i>Lu-GT 200</i>	<i>M 5</i>	<i>4 Inbus</i>	<i>3</i>
<i>Lu-GT 250</i>	<i>M 5</i>	<i>4 Inbus</i>	<i>3</i>
<i>Lu-GT 275</i>	<i>M 5</i>	<i>4 Inbus</i>	<i>3</i>
<i>Lu-GT 300</i>	<i>M 8</i>	<i>6 Inbus</i>	<i>15</i>
<i>Lu-GT 325</i>	<i>M 8</i>	<i>6kt. SW-13</i>	<i>15</i>
<i>Lu-GT 350</i>	<i>M 8</i>	<i>6kt. SW-13</i>	<i>15</i>
<i>Lu-GT 375</i>	<i>M 8</i>	<i>6kt. SW-13</i>	<i>15</i>
<i>Lu-GT 400</i>	<i>M 10</i>	<i>6kt. SW-17</i>	<i>35</i>
<i>Lu-GT 415</i>	<i>M 10</i>	<i>6kt. SW-17</i>	<i>35</i>
<i>Lu-GT 425</i>	<i>M 10</i>	<i>6kt. SW-17</i>	<i>35</i>
<i>Lu-GT 475</i>	<i>M 10</i>	<i>6kt. SW-17</i>	<i>35</i>
<i>Lu-GT 500</i>	<i>M 12</i>	<i>6kt. SW-19</i>	<i>65</i>
<i>Lu-GT 525</i>	<i>M 12</i>	<i>6kt. SW-19</i>	<i>65</i>
<i>Lu-GT 575</i>	<i>M 12</i>	<i>6kt. SW-19</i>	<i>50</i>
<i>Lu-GT 600</i>	<i>M 20</i>	<i>6kt. SW-30</i>	<i>130</i>
<i>Lu-GT 650</i>	<i>M 16</i>	<i>6kt. SW-24</i>	<i>85</i>



The purchaser of the YTM Ring-Seal is responsible for the installation of the product and also for all damages and follow-on defects, which are caused by incorrect installation.