

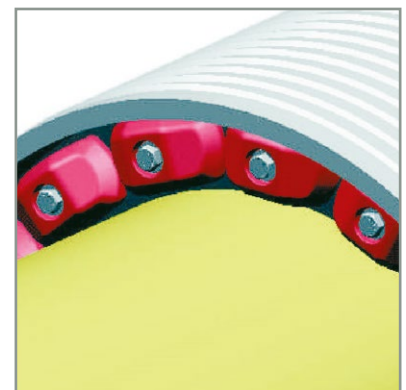
# DDL® Ring-Seal Lu-GT

## Installation guide for modular ring seals against pressing water

- Clean the internal walls of the core-drilled hole / wall sleeve / cable conduit in the installation area of the seal insert.
- Remove the – yet inoperable – screw at one end of the link chain and keep the two pressure plates, the screw, and the nut in safe custody.
- Place the open link chain seal around the carrier pipe (compress or stretch the sealing modules if necessary), joint the free ends to a closed ring and stick it together using the screw/nut and the two pressure plates. Lightly screw the link chain together without exerting force on the sealing elements.
- Make sure the carrier pipe is located centrally. The Ring-Seal Lu-GT is made of high-quality materials, but the seal insert does not function as support bearing.
- Make sure that the link chain (the side of the nuts) is installed from the side of the construction that will still be easily accessible after the construction is finished (in case settling makes it necessary to readjust the tension).
- Insert the closed seal insert into the annulus completely. Moistening the elastomer parts and the internal/external walls (for example with a mix of water and dishwashing liquid, but no lubricant!) facilitates the assembly.
- Tighten all screws clockwise at the same speed and in multiple steps (not in a crosswise sequence!) until the seal insert fills the annulus and accordingly lies against the internal and external wall.
- Evenly tighten the screws with the required specified torque (see table below) clockwise with a torque wrench.
- Check the torque after about 2 hours (or after about 48 hours for a pressure-tight seal) and adjust it if necessary (due to settling).

## Torques

Lu-GT 20 mWS Lu-GT 50 mWS	Screws/nuts	Screw size	Max. torque [Nm]
Lu-GT 200	M 5	Allen 4 mm	3
Lu-GT 250	M 5	Allen 4 mm	3
Lu-GT 275	M 5	Allen 4 mm	3
Lu-GT 300	M 8	Allen 4 mm	15
Lu-GT 325	M 8	Hexagon 13 mm	15
Lu-GT 350	M 8	Hexagon 13 mm	15
Lu-GT 375	M 8	Hexagon 13 mm	15
Lu-GT 400	M 10	Hexagon 17 mm	35
Lu-GT 415	M 10	Hexagon 17 mm	35
Lu-GT 425	M 10	Hexagon 17 mm	35
Lu-GT 475	M 10	Hexagon 17 mm	35
Lu-GT 500	M 12	Hexagon 19 mm	65
Lu-GT 525	M 12	Hexagon 19 mm	65
Lu-GT 575	M 12	Hexagon 19 mm	50
Lu-GT 600	M 20	Hexagon 30 mm	130
Lu-GT 650	M 16	Hexagon 24 mm	85



The purchaser of the DDL seal inserts is responsible for their suitability for use and for all damages (immediate or consequential) resulting from improper installation.