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KRASO®

SIMPLE + TIGHT



NEW BUILDING
REHABILITATION

KRASO® Sealing Inserts

Assembly instructions/installation notes

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KRASO® Sealing Inserts

Product description / Purpose

- **KRASO® Sealing Inserts** are used for gas- and water pressure tight sealing of cables, pipes or media lines in a core drilling (waterproof concrete) or a casing set in concrete by closing the ring space between the cable, pipe or media line and the internal surface of the core drilling or the casing.
- The internal diameter of the core drilling or the casing and the external diameter of the cable, pipe or media line must be specified in advance and must match the information on the packaging or product labelling. The tolerance ranges and the respective FHRK standard (minimum sealing width) are also specified there.

General safety and installation instructions

- **KRASO® Sealing Inserts** should only be installed by qualified professionals. The relevant regulations of the trade associations, VDE regulations, safety and accident prevention regulations must be observed!
- The applicable national regulations for laying and installing cables and pipes must be observed.
- Before installation, check the **KRASO® Sealing Insert** for possible damages and soiling. Only undamaged **KRASO® Sealing Inserts** may be used.
- **Core drilling:** blowholes, cracks and other unevennesses on/in the inner surface of the core drilling must be levelled out before installation. Dust and similar soiling must be removed before installation.
- **Casings:** casings must be checked for sufficient rigidity to absorb the pressure generated by the **KRASO® Sealing Insert** before installation. The internal surface of the casing must be smooth and circular. Installation in a deformed casing is not permitted.
- Cables, pipes or media lines must be cleaned in the area of the **KRASO® Sealing Insert** before installation and may not show any axial unevenness in this area. Corrugated or ribbed media lines must be sealed with specially developed **KRASO® Sealing Inserts (KRASO® Sealing Insert Type GR)**.
- The **KRASO® Sealing Insert** is not used to support the line that is to be installed. The underground and line substructure must be sufficiently stabilised in order to prevent the line from sinking. Slight axial movements can be tolerated.

Scope of supply

- **KRASO® Sealing Insert**
- Assembly instructions/installation notes

Required tools

- Socket spanner with 13 mm socket (13 mm nut)*
- * In rare cases, allen screws must be used due to the design. In this case, a torque wrench with a 5 mm hexagon socket is required for installation.
- Measuring caliper, screwdriver, cutter knife, cleaning material

Installation

1. **KRASO® Sealing Insert Universal:**
Precise specification of the external diameter of the pipe or cable to be fed through. Simply press out the centre plug. Use a screwdriver to push the individual rings that are not required through to the rear (Fig. 1) and carefully cut off from the sealing insert using a sharp knife (Fig. 2).

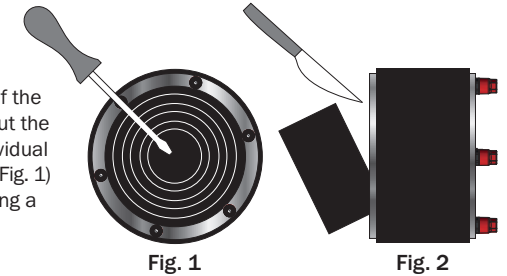


Fig. 1

Fig. 2

2. Push the **KRASO® Sealing Insert** over the pipe or cable to be fed through (Fig. 3) and place it flush with the waterside in the core drilling or the casing (Fig. 4).

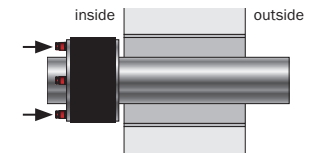


Fig. 3

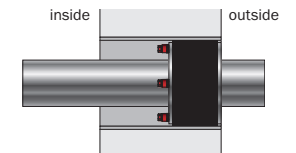


Fig. 4

3. Tighten the **KRASO® Sealing Insert** on the Torque Control Nuts **KRASO® DKM** crosswise in steps of 1 - 2 turns (Fig. 5). The correct torque is specified by the Torque Control Nuts **KRASO® DKM** and is reached when the first resistance is audibly and tactilely exceeded.

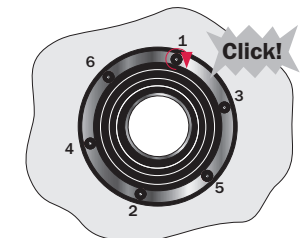


Fig. 5