

A technical illustration of a hydraulic rod seal, showing its internal components and the groove it fits into, enclosed in a green circular frame.

HYDRAULIC ROD SEALS INSTALLATION CHECKLIST

1. Before installation

- Check seal type, material and installation direction
 - Groove geometry according to drawing/standard (width, depth, radii)
 - No burrs, sharp edges or thread transitions in the installation area
 - Seal clean, undamaged and stored without tension
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2. During assembly

- Use of insertion chamfer and/or assembly cone
 - Seal sufficiently lubricated for assembly
 - No torsion, no twisting of the seal
 - Seal inserted evenly and without tilting
 - Pressure side correctly aligned
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3. After installation

- Visual inspection of the sealing lips (no indentations or cracks)
 - Movement of the piston rod checked
 - Seat of the seal checked
 - Scraper correctly positioned
 - Cleanliness ensured throughout the entire sealing area
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4. Individual commissioning

- Initial movements and test pressure
- No leakage
- No unusual noises or friction