



DDL® Pipe-Seal Hybrid

Press seal insert

particularly suitable for

- thin-walled plastic pipes
- plastic-jacketed pipes (district heating)

PS-Hybrid



registered intellectual property right



DDL®

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DDL® Press seal insert PS-Hybrid

Pipe-Seal Hybrid (PE) sealing insert featuring a two-component design: an outer circular frame component made of solid rubber of medium hardness, combined with an inner sealing insert made of a thermoset elastomer with a much softer hardness setting.

Compression/pressing force absorption, transmission, and distribution are handled by the medium-hard solid rubber jacket, while the soft inner ring provides the seal against the carrier pipe.

The extra-soft sealing insert conforms perfectly to the surface contours of the carrier pipe. High compressive forces are not required. Cold flow—which leads to a reduction in cross-section, particularly with polyethylene (PE) pipes—is virtually eliminated.



Thanks to its excellent adhesion to the surface of the carrier pipe, the sealing insert sits securely in the annular space—withstanding pressurized water and gas—even with very low tightening torque. Installation can be successfully completed without special tools (such as a torque wrench) by relying on the visual indicator (red bead) on the edges of the compression flanges.

Key features

- Low bolt tightening forces
- Cross-sectional stability with PE pipes
- No need for subsequent retightening
- No special tools required
- Fast, secure, and easy installation

Versions:

Closed version

Closed version with large flange

For core drillings from DN 80 to DN 400

Material

- Stainless steel press flanges and fasteners
- Solid rubber round frame component
- Sealing insert made of thermoset elastomer with excellent chemical, mechanical, and thermal properties