



Function

Back-up rings or Anti Extrusion Rings do not have a sealing function. They are designed to prevent elastic sealing elements of gap extrusion.

Features

- ⇒ Active Anti Extrusion Ring for Piston Seal PS02
- ⇒ Reduced gap extrusion of the elastomer seal and/or higher pressures up to 700bar possible
- ⇒ Preventio of twisting of the seal in the groove.
- ⇒ Available as split non-split version.

Application

dynamic and static applications in reciprocating pistons and rods in hydraulic cylinders, plungers, etc.

Unfavourable tolerances and wide gap dimensions.

Installation

Snap-in installation

Seal housing recommendation

| Tolerances | [mm] | |
|--------------------------|------------------|---------------|
| L < 10mm | + 0.2 | |
| L ≥ 10mm | + 0.3 | |
| ∅ NA | H8 | |
| ∅ NI | f8 | |
| | | |
| Surface roughness | Rtmax [μ] | Ra [μ] |
| Bottom of groove | ≤ 6.3 | ≤ 1.6 |
| Face of groove | ≤ 15 | ≤ 3 |
| | | |
| Sliding surface | Rtmax [μ] | Ra [μ] |
| PU, elastomeres | ≤ 2.5 | ≤ 0.1-0.5 |
| PTFE | ≤ 2 | ≤ 0.05-0.3 |

