



**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**

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

**Profile description**

***Backup Ring***  
***BUR10***