



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

- ⇒ Triangular Anti Extrusion Ring for Piston applications.
- ⇒ Special housing designs required.
- ⇒ Reduced gap extrusion of the elastomer seal and/or higher pressures up to 700bar possible.
- ⇒ Available as split and non-split version.

Application

dynamic and static applications in reciprocating pistons 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	H9	
∅ NI	h10	
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

