



K59 is a single acting pneumatic piston seal designed to have asymmetrical profile with shorter and thinner dynamic lip.

PRODUCT ADVANTAGES

- Easy installation
- Secure seating due to the longer and thicker static sealing lip
- Simple groove design and low axial housing height
- High sealing effect with cushioning applications

APPLICATION

Standard pneumatic cylinders.

MATERIAL		CODE
NBR	80 SHORE A	NB8001
PU	80 SHORE A	PU8001

OPERATING CONDITIONS

NBR

MEDIA	Prepared, dried compressed air
TEMPERATURE	-30°C +105°C
PRESSURE	≤12 Bar
SPEED	≤1.0 m/sec

POLYURETHAN

MEDIA	Dried compressed air
TEMPERATURE	-30°C +80°C
PRESSURE	≤16 Bar
SPEED	≤1.0 m/sec

Note: The above data are maximum values and cannot be used at the same time.

SURFACE ROUGHNESS

		Rmax
Sliding Surface	∅D	≤4 μm
Groove Base	∅d	≤10 μm
Groove Flanks	B	≤15 μm

INSTALLATION

K59 can be snapped by hand into the housing grooves provided. In case of using an assembly tool make sure that it is of soft material and have no sharp edges. Before installation the sealing element must be oiled with system oil. Special lubrication should be used on the sliding surface in case of having dried media.

NOTES

For special applications that require high temperatures, K59 can be produced in FKM. We recommend using guide ring or guide rings with K59 piston seal.