



K50 is a single acting pneumatic piston seal designed to have asymmetrical profile with shorter and thinner dynamic lip.

PRODUCT ADVANTAGES

- Secure seating due to the longer and thicker static sealing lip
- Low friction and good sealing performance due to the seal geometry
- Wide range of dimensions
- Simple groove design

APPLICATION

Standard pneumatic cylinders.

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

OPERATING CONDITIONS

NBR

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

PU

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

K50 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, K50 can be produced in FKM. We recommend using guide ring or guide rings with K50 piston seal.