



K56 is a two piece single acting pneumatic rod seal which consists of one nitrile rubber sealing element and one polyester elastomer scraper profile ring.

PRODUCT ADVANTAGES

- Good scrapping with special geometry and material
- High resistance to operating temperature changes
- Superior sealing effect
- Low static and dynamic friction values

APPLICATION

Pneumatic cylinders.

MATERIAL		CODE
NBR	80 SHORE A	NB8001
TPE	55 SHORE D	TP5501

OPERATING CONDITIONS

MEDIA	Prepared, dried and de-oiled compressed air
TEMPERATURE	-30°C +105°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	Ød	≤4 µm
Groove Base	ØD	≤10 µm
Groove Flanks	B1	≤15 µm

INSTALLATION

It can be assembled into closed groove with tight hand force. K56 does not need additional element such as circlip for axial fitting within the housing. We recommend using special assembly tool. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation the rod seal must be oiled with system oil.

NOTES

For special applications that require high temperatures, K56 can be produced in combination of FKM and PTFE.