



K762 is a two piece double acting piston seal which consists of one special mixture PTFE profile ring and a square ring as energizing element.

PRODUCT ADVANTAGES

- Free of stick-slip
- Small one piece piston
- Long service life
- High sliding speed
- Able to operate with wide range of temperature and chemicals depending on the square ring material
- Low friction coefficient
- Superior static and dynamic sealing
- Square ring prevents twisting in the housing

APPLICATION

Injection, moulding machines, excavators, forklifts, agricultural machinery, loading platforms, presses, hydraulic and pneumatic valve systems.

MATERIAL		CODE
NBR	70 SHORE A	NB7001
PTFE		PT6003

OPERATING CONDITIONS			
MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C +105°C	+5°C +60°C	-20°C +50°C
PRESSURE	≤400 Bar	≤400 Bar	≤400 Bar
SPEED	≤5.0 m/sn	≤5.0 m/sn	≤5.0 m/sn

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

SURFACE ROUGHNESS		Ra	Rmax
Sliding Surface	Ød	≤0.2 µm	≤2.0 µm
Groove Base	ØD	≤1.6 µm	≤6.3 µm
Groove Flanks	B	≤3.2 µm	≤15 µm

Note: It is recommended to have 50% to 90% of the working surface material contact area value.

INSTALLATION

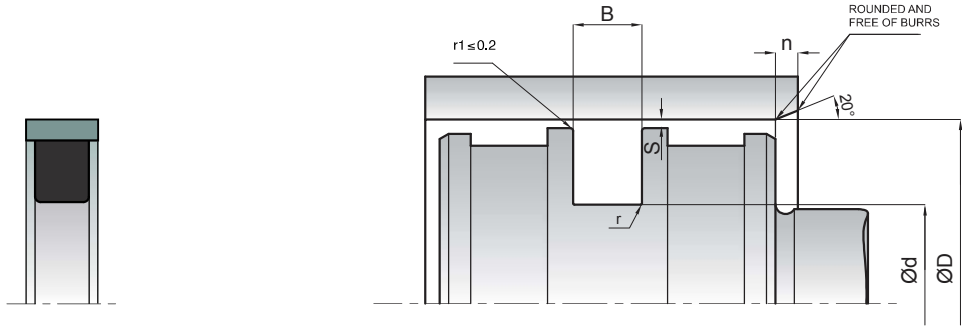
It is very important that the assembly tools must be of soft material and have no sharp edges. We recommend using special assembly tool (see section; Hydraulic Sealing Elements General Installation) and to have open groove design for dimensions that are smaller than Ø 40 mm. Before installation the sealing elements must be oiled with system oil.

NOTES

It is recommended to use with minimum two piston guide rings in long stroke cylinders, minimum one ring in short stroke and under low radial loads. For special applications that require high temperatures or resistance to chemicals, piston seal can be manufactured with special mixture PTFE and FKM material. The permissible gap values of K762 piston seal is given in the table below.

PERMISSIBLE SEALING			
Pressure (Bar)	Smax (mm)		
	150 Bar	250 Bar	400 Bar
2.2	0.3	0.20	0.15
3.2	0.4	0.25	0.15
4.2	0.4	0.25	0.20
6.3	0.5	0.30	0.20
8.1	0.6	0.35	0.25
9.5	0.7	0.50	0.30

Note: The largest sealing gap value occurring on the non-pressurized side of the seal does have a vital importance for the function of the seal and in this respect it is quite important to use the S value lower than the above indicated numbers.

K762**PISTON SEAL**

KASTAŞ NO	D (H8)	d (h9)	B(-0/+0.2)	r	n
K762 075-060	75	60	7.5	0.4	5
K762 080-065	80	65	7.5	0.4	5
K762 100-085	100	85	7.5	0.4	5
K762 290-266	290	266	12	0.4	7.5

Please contact our customer service for the dimensions out of our stock list.