



K501 is a two piece double acting piston seal consisting of a thermoplastic sealing element and one energizer elastomer ring.

ADVANTAGES

- Excellent sealing performance under static and dynamic applications
- Simple groove design
- Easy fit without installation tool
- Superior sealing performance at high and variable pressure levels
- Longer service life due to high abrasion resistance
- Excellent sealing at high surface roughness
- Outstanding resistance to pressure shocks

APPLICATION

Heavy duty cylinders and construction machinery.

MATERIAL		CODE
NBR	70 SHORE A	NB7001
PA		PA9904

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	≤500 Bar	≤500 Bar	≤500 Bar
SPEED	≤1 m/sn	≤1 m/sn	≤1 m/sn

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

SURFACE ROUGHNESS		Ra	Rmax
Sliding Surface	Ød	≤0.4 µm	≤4 µm
Groove Base	ØD	≤1.6 µm	≤6.3 µm
Groove Flanks	B	≤3.2 µm	≤16 µm

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

INSTALLATION

Easy installation into one-piece piston head.
Sealing elements must be pre-lubed with system oil before installation.

NOTES

It is recommended to use with minimum two piston guide rings in long-stroke cylinders, minimum one guide ring in short stroke and under low radial loads.

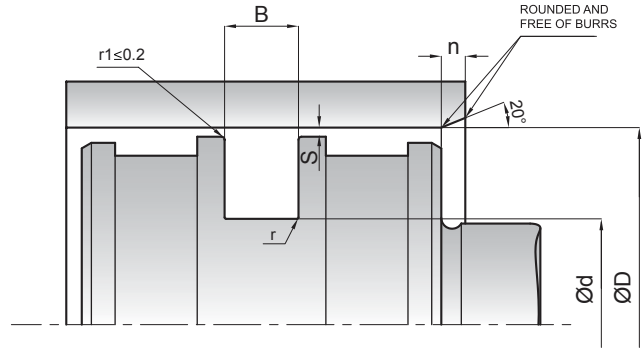
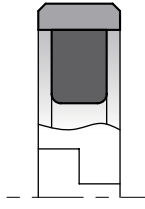
PERMISSIBLE SEALING GAP

B (mm)	Smax (mm)
4.2	0.35
6.3	0.50
8.1	0.60

Note: All the above mentioned "S" values are maximum and it's vital to use lower values for system security.

K501

PISTON SEAL



KASTAŞ NO	D	d	B	r	n
K501-050	50	39	4.2	1	6
K501-060	60	44.5	6.3	1.3	8
K501-063/1	63	42	8.1	1.8	10.5
K501-063	63	47.5	6.3	1.3	8
K501-070	70	51.7	7	1.3	8
K501-075	75	54	8.1	1.8	10.5
K501-080/1	80	59	8.1	1.8	10.5
K501-080	80	64.5	6.3	1.3	6
K501-085	85	69.5	6.3	1.3	6
K501-090/1	90	69	8.1	1.8	10.5
K501-090	90	74.5	6.3	1.3	6
K501-095	95	74	8.1	1.8	10.5
K501-100/1	100	79	8.1	1.8	10.5
K501-100	100	84.5	6.3	1.3	6
K501-105	105	84	8.1	1.8	10.5
K501-105/1	105	89.5	6.3	1.3	6
K501-110	110	94.5	6.3	1.3	6
K501-115	115	94	8.1	1.8	10.5
K501-120	120	99	8.1	1.8	10.5
K501-125	125	104	8.1	1.8	10.5
K501-125/1	125	110	6.3	1.3	10.5
K501-126	126	105	8.1	1.8	10.5
K501-130	130	109	8.1	1.8	10.5
K501-135	135	114	8.1	1.8	10.5
K501-140	140	119	8.1	1.8	10.5
K501-145	145	124	8.1	1.8	10.5
K501-147	147	126	8.1	1.8	10.5
K501-150	150	129	8.1	1.8	10.5
K501-160	160	139	8.1	1.8	10.5
K501-165	165	144	8.1	1.8	10.5
K501-170	170	149	8.1	1.8	10.5
K501-175	175	154	8.1	1.8	10.5
K501-180	180	159	8.1	1.8	10.5
K501-185	185	164	8.1	1.8	10.5
K501-190	190	169	8.1	1.8	10.5

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