

K504 is a three piece double acting compact seal which consists of one fabric reinforced elastomeric sealing element and two thermoplastic guide back-up rings.

PRODUCT ADVANTAGES

- · Low friction, free of stick-slip
- Improved abrasion resistance
- Good dynamic and static sealing
- Long service life
- Reliable solution in water and water based media

APPLICATION

Mining equipment, iron and steel industry, marine hydraulics and earth moving equipment.

MATERIAL		CODE
NBR	80 SHORE A	NB8001
COTTON FABRIC NBR		FB8001
POM		PM9901

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	≤0.5 m/sn	≤0.5 m/sn	≤0.5 m/sn

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

SURFACE ROUG	HNESS	Ra	Rmax
Sliding Surface	Ød	≤0.4 µm	≤3.2 µm
Groove Base	ØD	≤1.6 µm	≤6.3 µm
Groove Flanks	В	≤3.2 µm	≤16 µm

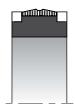
Note: It is recommended to have 50% to 90% of the working surface material contact area value

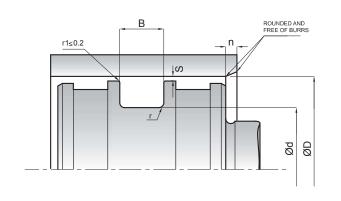
INSTALLATION

K504 profile has been designed to be installed in a closed or open grooves taking the indicated catalogue information into consideration. We recommend having open groove design for dimensions that are smaller than \emptyset 50 mm. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation the sealing element must be oiled with system oil.

PERMISSIB	LE SEALING			
ØD		Smax (mm)		
	250 Bar	350 Bar	400 Bar	500 Bar
≤80 mm	0.60	0.55	0.45	0.35
≤80 mm	0.65	0.60	0.50	0.40

K504 COMPACT PISTON SEAL





D(H8)	d(h9)	B(+0/-0.2)	n
80			
	66	16.5	5
110	95	15.5	5
120	105	15.5	5
125	110	15.7	5
130	113	20.5	6
140	125	15.9	5
150	135	15.5	5
170	150	15.5	6
180	163	20	6
185	165	15.5	6
200	180	15.5	6
225	205	24.5	6
240	220	25	6
250	230	25.5	6
320	300	25.5	6
	125 130 140 150 170 180 185 200 225 240	125 110 130 113 140 125 150 135 170 150 180 163 185 165 200 180 225 205 240 220 250 230	125 110 15.7 130 113 20.5 140 125 15.9 150 135 15.5 170 150 15.5 180 163 20 185 165 15.5 200 180 15.5 225 205 24.5 240 220 25 250 230 25.5

 ${\it Please contact our customer service for the dimensions out of our stock \it list.}$