



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 ROUGHNESS		Ra	Rmax
Sliding Surface	Ød	≤0.4 µm	≤3.2 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

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 Ø 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.

ØD	PERMISSIBLE SEALING			
	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

