



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.

#### PERMISSIBLE 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