K96 is a single acting rod seal designed to have special geometry and inner lip shorter than the outer lip.

PRODUCT ADVANTAGES
- Superior static and dynamic sealing effect
- Easy assembly into closed grooves
- Able to work on hard conditions
- Very good static tightness due to the geometry
- Can go up to a pressure of 250 bar with using a back-up ring

APPLICATION
Construction machinery, fork-lift trucks and standard cylinders.

MATERIAL		CODE
NBR	90 SHORE A	NB9001

OPERATING CONDITIONS			
MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C +105°C	+5°C +60°C	-30°C +60°C
PRESSURE	≤150 Bar	≤150 Bar	≤150 Bar
SPEED	≤0.5 m/sec	≤0.5 m/sec	≤0.5 m/sec

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	≤1.8 µm	≤10 µm
Groove Flanks	B	≤3 µm	≤16 µm

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

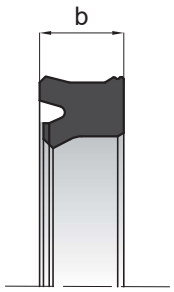
INSTALLATION
Easily assembled into closed grooves. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation the wiper must be oiled with system oil.

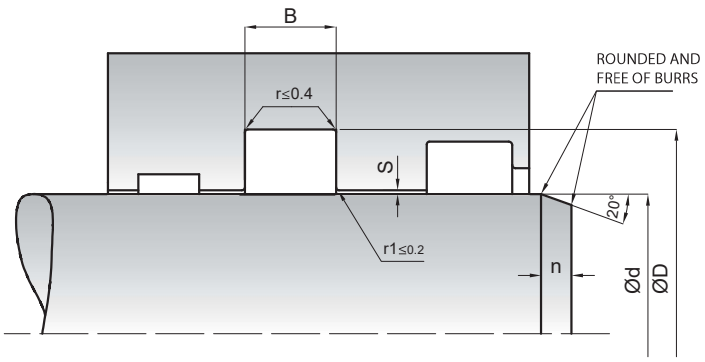
NOTES
K96 can be produced on requests in FKM material for special applications that requires high temperatures. It is generally used with 2mm PTFE back-up rings in construction machinery. The permissible sealing gap values of K96 rod seal is given in the below table.

PERMISSIBLE SEALING GAP			
	Smax (mm)		
t=(D-d)/2	50 Bar	100 Bar	150 Bar
t≤5	0.40	0.20	0.10
t>5	0.45	0.25	0.15

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.

K96 ROD SEAL





KASTAŞ NO	d (f8)	D (H11)	B (-0/+0.2)	b	n
K96-040	40	50	8	7	4.5
K96-045	45	55	8	7	4.5
K96-050	50	63	11	10	5
K96-055	55	68	11	10	5
K96-065	65	78	11	10	5
K96-070	70	83	11	10	5
K96-075	75	88	11	10	5
K96-080	80	93	11	10	5
K96-085	85	100	11	10	5.5
K96-090	90	105	11	10	5.5
K96-095	95	110	11.5	10.5	5.5
K96-100	100	115	11	10	5.5
K96-110	110	130	11	10	6
K96-120	120	140	11	10	6
K96-140	140	160	13	12	6
K96-140/1	140	160	11	10	6
K96-180	180	200	13	12	6

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