



K49 is a two piece double acting sealing set which consists of a special design polyurethane seal ring and a NBR elastomer ring as energizer.

PRODUCT ADVANTAGES

- Superior static and dynamic sealing
- Ability to move without vibration even at low running speeds
- No twisting in the house due to rectangular profile
- Standardized housing according to ISO 7425-1
- Easy installation
- Low axial housing heights

APPLICATION

- Construction machinery
- Agricultural machinery
- Injection molding machines
- General industrial applications

MATERIAL		CODE
PU	60 SHORE D	PU6001
NBR	80 SHORE A	NB8001

OPERATING CONDITIONS

MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C +100°C	+5°C +50°C	-20°C +50°C
PRESSURE	≤400 Bar	≤400 Bar	≤400 Bar
SPEED	≤0.5 m/sn	≤0.5 m/sn	≤0.5 m/sn

Not: 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	≤10 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

Easily assembled on one-piece piston. 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.

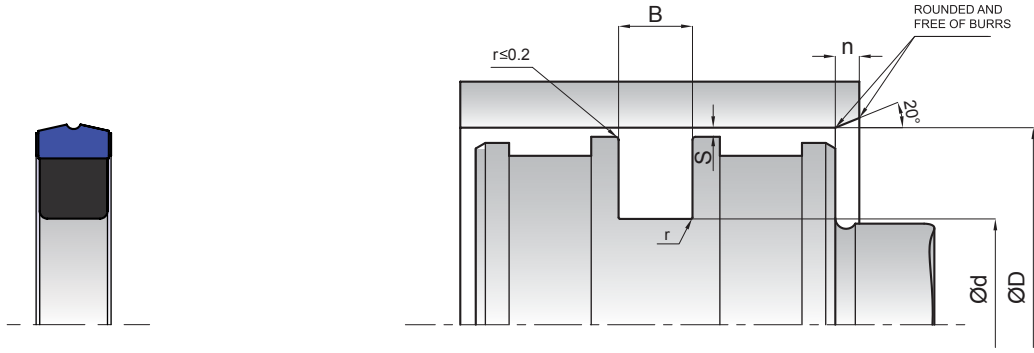
NOTES

It is recommended choosing suitable material and quantity for guiding element regarding the purpose of application.

PERMISSIBLE SEALING GAP

B (mm)	Smax (mm)		
	150 Bar	250 Bar	400 Bar
3.2	0.30	0.20	-
4.2	0.40	0.30	-
6.3	0.50	0.40	0.25
8.1	0.60	0.50	0.35

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 an in this respect it is quite important to use the S value lower than the above indicated numbers.



KASTAŞ NO	D(H10)	d(h9)	B(+0.2/-0.0)	n	r
K49 025-017.5	25	17.5	3.2	2	0.2
K49 028-020.5	28	20.5	3.2	2	0.2
K49 032-024.5	32	24.5	3.2	2	0.2
K49 040-029	40	29	4.2	2.5	0.4
K49 045-034	45	34	4.2	2.5	0.4
K49 050-039	50	39	4.2	2.5	0.4
K49 055-039.5	55	39.5	6.3	2.5	0.4
K49 055-044	55	44	4.2	2.5	0.4
K49 060-044.5	60	44.5	6.3	3	0.4
K49 060-049	60	49	4.2	2.5	0.4
K49 063-047.5	63	47.5	6.3	3	0.4
K49 063-052	63	52	4.2	2.5	0.4
K49 065-049.5	65	49.5	6.3	3	0.4
K49 065-054	65	54	4.2	2.5	0.4
K49 070-054.5	70	54.5	6.3	3	0.4
K49 070-059	70	59	4.2	2.5	0.4
K49 075-059.5	75	59.5	6.3	3	0.4
K49 080-064.5	80	64.5	6.3	3	0.4
K49 085-069.5	85	69.5	6.3	3	0.4
K49 090-074.5	90	74.5	6.3	3	0.4
K49 095-079.5	95	79.5	6.3	3	0.4
K49 100-079	100	79	8.1	5	0.4
K49 100-084.5	100	84.5	6.3	3	0.4
K49 110-089	110	89	8.1	5	0.4
K49 110-094.5	110	94.5	6.3	3	0.4
K49 115-094	115	94	8.1	5	0.4
K49 120-099	120	99	8.1	5	0.4
K49 125-104	125	104	8.1	5	0.4
K49 125-104/1	125	104	10.5	7	0.4
K49 130-109	130	109	8.1	5	0.4
K49 140-119	140	119	8.1	5	0.4
K49 150-129	150	129	8.1	5	0.4
K49 160-139	160	139	8.1	5	0.4
K49 180-159	180	159	8.1	5	0.4
K49 200-179	200	179	8.1	5	0.4

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