

K29 is a two piece single acting buffer seal which consists of one special designed elastomeric sealing element to evacuate the back pressure and one thermoplastic back-up ring.

PRODUCT ADVANTAGES
- No pressure build up between the primary and secondary seal
- Highly wear resistant
- Low friction
- Low axial housing heights
- Good protection to the secondary seal with pressure peaks

APPLICATION
Construction machinery, fork-lift trucks, injection moulding machines, agricultural machinery, cranes, earth moving equipment and standard cylinders.

MATERIAL		CODE
PU	92 SHORE A	PU9201
POM		PM9901

OPERATING CONDITIONS			
MEDIA	Mineral oil (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C +100°C	+5°C +50°C	-30°C +40°C
PRESSURE	≤400 Bar	≤400 Bar	≤400 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	≤1.6 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.

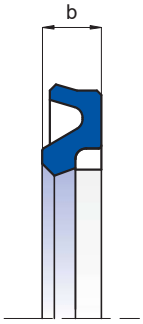
INSTALLATION
Easily assembled into closed grooves. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation the sealing element must be oiled with system oil.

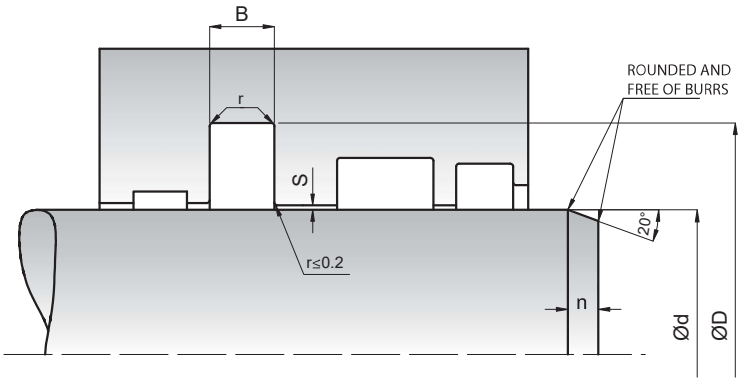
NOTES
K29 buffer seal is always used in a sealing system in combination with u-ring (K22, K33, etc) as they are not designed as being the main sealing element. K29 reduces the pressure peaks on itself in order to save the main sealing element with pressure fluctuations. The permissible sealing gap values of K29 seal is given below.

PERMISSIBLE SEALING GAP			
B (mm)	Smax (mm)		
	150 bar	250 bar	400 bar
≤6.3	0.6	0.5	0.4

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.

K29 BUFFER SEAL





KASTAŞ NO	d (f8)	D (H11)	B (-0/+0.2)	b	r	n
K29-038 PU	38	48.7	4.2	3.9	0.2	5
K29-040 PU	40	55.5	6.3	6	0.2	6
K29-045 PU	45	60.5	6.3	6	0.2	6
K29-050 PU	50	65.5	6.3	6	0.2	6
K29-055 PU	55	70.5	6.3	6	0.2	6
K29-060 PU	60	75.5	6.3	6	0.2	6
K29-065 PU	65	80.5	6.3	6	0.2	6
K29-070 PU	70	85.5	6.3	6	0.2	6
K29-075 PU	75	90.5	6.3	6	0.2	6
K29-080 PU	80	95.5	6.3	6	0.2	6
K29-085 PU	85	100.5	6.3	6	0.2	6
K29-090 PU	90	105.5	6.3	6	0.2	6
K29-095 PU	95	110.5	6.3	6	0.2	6
K29-100 PU	100	115.5	6.3	6	0.2	6
K29-105 PU	105	120.5	6.3	6	0.2	6
K29-110 PU	110	125.5	6.3	6	0.2	6
K29-115 PU	115	130.5	6.3	6	0.2	6
K29-120 PU	120	135.5	6.3	6	0.2	6
K29-125 PU	125	140.5	6.3	6	0.2	6
K29-130 PU	130	145.5	6.3	6	0.2	6
K29-140 PU	140	155.5	6.3	6	0.2	6
K29-150 PU	150	165.5	6.3	6	0.2	6

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