



K27 is a single acting double wiper ensuring that foreign particles do not penetrate into the hydraulic cylinders. The lip is designed in a particular way that it reliably wipes off the dirt but leaves a residual oil film on the rod.

PRODUCT ADVANTAGES

- Good wiping effect
- Wide range of dimensions
- No twisting in the housing
- Wiper lip reliably wipes away dirt and leaves a residual oil film on the retracting rod.
- Double lip makes additional protection to prevent the particles to enter into the cylinder
- Easy installation

APPLICATION

Construction machinery, fork-lift trucks, injection moulding machines, agricultural machinery and standard cylinders.

MATERIAL		CODE
NBR	90 SHORE A	NB9001
PU	92 SHORE A	PU9201

OPERATING CONDITIONS

NBR			
MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C +105°C	+5°C +60°C	-30°C +60°C
SPEED	≤1.0 m/sec	≤1.0 m/sec	≤1.0 m/sec

PU			
MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C +100°C	+5°C +50°C	-30°C +40°C
SPEED	≤1.0 m/sec	≤1.0 m/sec	≤1.0 m/sec

Note: The above data are maximum values and cannot be used at the same time.

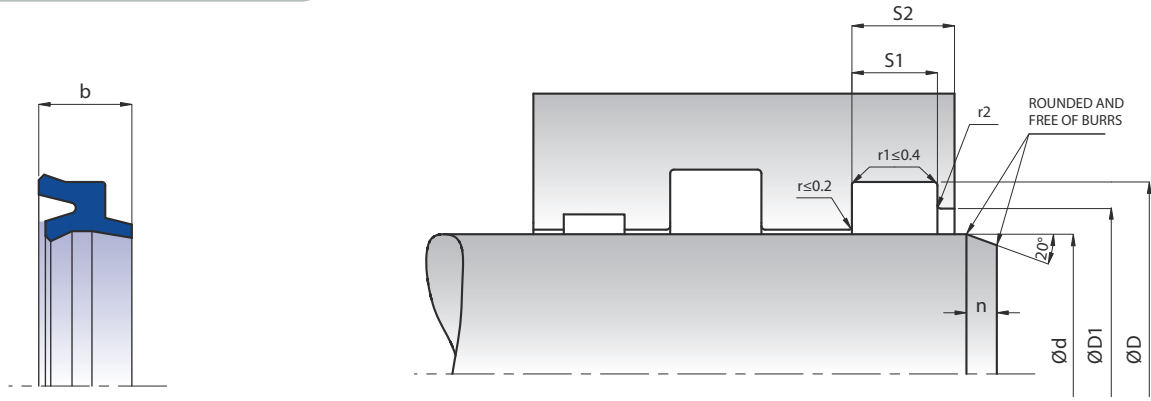
SURFACE ROUGHNESS		Ra	Rmax
Sliding Surface	Ød	≤0.4 µm	≤3.2 µm
Groove Base	ØD	≤1.6 µm	≤10 µm
Groove Flanks	S1	≤3 µm	≤16 µm

INSTALLATION

Generally, wiper can be easily fitted into the closed housing by deforming into a kidney shape. 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

K27 double wiper should be used in combination of suitable rod seals to avoid hydrodynamic pressure or pressure relieving bore between seal and wiper should be constructed to prevent the build up pressures (See section; Hydraulic Sealing Elements - Sample Designs). K27 wipers can be produced on request in FKM for special applications that require high temperatures.



KASTAŞ NO	NBR	PU	d (f8)	D (H10)	D1 (H11)	S1 (-0/+0.2)	S2	b	r2
K27-016	NBR		16	22	19	3.8	5.8	5.5	0.5
K27-020	NBR	PU	20	28.6	23	5.3	7.3	7	1
K27-025	NBR	PU	25	33.6	28	5.3	7.3	7	1
K27-028	NBR	PU	28	36.6	31	5.3	7.3	7	1
K27-030	NBR	PU	30	38.6	33	5.3	7.3	7	1
K27-035	NBR	PU	35	43.6	38	5.3	7.3	7	1
K27-036	NBR	PU	36	44.6	39	5.3	7.3	7	1
K27-040	NBR	PU	40	48.6	43	5.3	7.3	7	1
K27-045	NBR	PU	45	55.6	48	5.3	7.3	7	1
K27-050	NBR	PU	50	60.6	53	5.3	7.3	7	1
K27-050/2	NBR	PU	50	58.6	53	5.3	7.3	7	1
K27-055	NBR	PU	55	65.6	58	5.3	7.3	7	1
K27-060	NBR	PU	60	70.6	63	5.3	7.3	7	1
K27-063	NBR	PU	63	71.6	66	5.3	7.3	7	1
K27-063/1	NBR	PU	63	73.6	66	5.3	7.3	7	1
K27-065	NBR	PU	65	75.6	68	5.3	7.3	7	1
K27-070	NBR	PU	70	80.6	73	5.3	7.3	7	1
K27-075	NBR	PU	75	87.2	81	7.1	9.1	12	1
K27-080	NBR	PU	80	92.2	86	7.1	9.1	12	1
K27-085	NBR	PU	85	97.2	91	7.1	9.1	12	1
K27-090	NBR	PU	90	102.2	96	7.1	9.1	12	1
K27-095	NBR	PU	95	107.2	101	7.1	9.1	12	1
K27-115	NBR	PU	115	127.2	121	7.1	9.1	12	1
K27-125	NBR	PU	125	140.2	110	7.6	9.6	9.5	1
K27-135	NBR	PU	135	147.2	141	7.1	9.1	12	1
K27-155	NBR	PU	155	167.2	161	7.1	9.1	12	1
K27-160	NBR	PU	160	172.2	166	7.1	9.1	12	1
K27-185	NBR	PU	185	197.2	191	7.1	9.1	12	1
K27-215	NBR	PU	215	227.2	221	7.1	9.1	12	1
K27-240	NBR	PU	240	255.2	247	7.1	9.1	12	1
K27-280	NBR		280	305	292	15.8	17.8	22.5	1