



K10 is a single acting double wiper ensuring that foreign particles are not introduced 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 scraping 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, forklift-trucks, injection moulding machines, agricultural machinery 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
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.

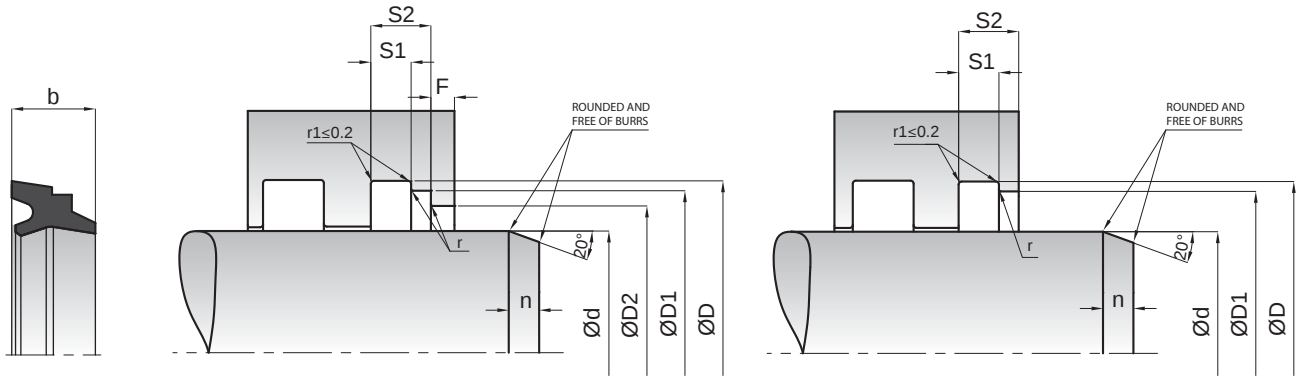
SURFACE ROUGHNESS		Ra	Rmax
Sliding Surface	Ød	≤0.3 µm	≤3.2 µm
Groove Base	ØD	≤1.8 µm	≤10 µm
Groove Flanks	S1	≤3 µm	≤16 µm

INSTALLATION

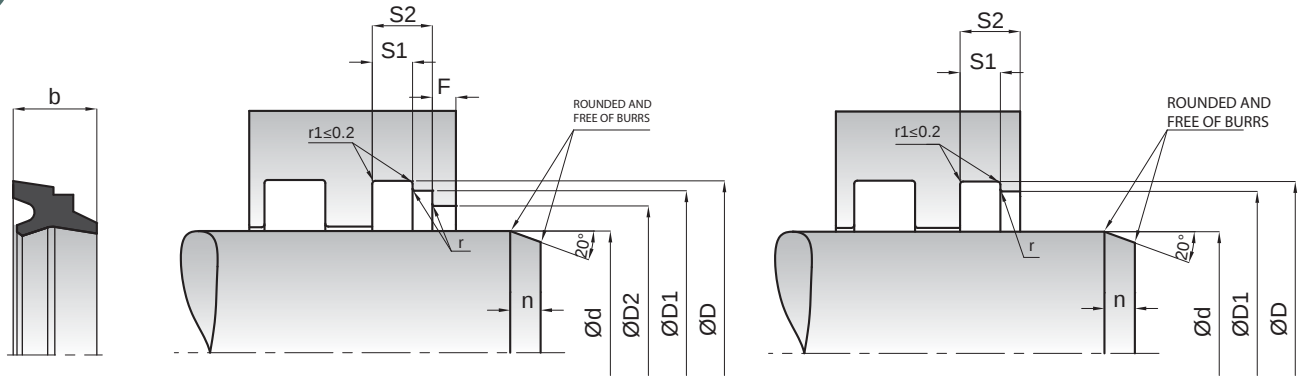
Generally, wiper can be easily fitted into the closed housing by deforming into a kidney shape. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation the wiper must be oiled with system oil.

NOTES

K10 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). K10 wipers can be produced on request in FKM for special applications that require high temperatures.



KASTAŞ NO	d (f8)	D (H10)	D1 (H9)	D2 (H10)	S1 (-0/+0.2)	S2 (-0/+0.2)	F ≥	b	r
K10-010	10	18	16	13.5	4	6	2	8	0.5
K10-012	12	20	18	15.5	4	6	2	8	0.5
K10-014	14	22	20	17.5	4	6	2	8	0.5
K10-015	15	23	21	18.5	4	6	2	8	0.5
K10-016	16	24	22	19.5	4	6	2	8	0.5
K10-018	18	26	24	21.5	4	6	2	8	0.5
K10-020	20	28	26	23.5	4	6	2	8	0.5
K10-022	22	30	28	25.5	4	6	2	8	0.5
K10-024	24	32	30	27.5	4	6	2	8	0.5
K10-025	25	33	31	28.5	4	6	2	8	0.5
K10-026	26	34	32	29.5	4	6	2	8	0.5
K10-028	28	36	34	31.5	4	6	2	8	0.5
K10-030	30	38	36	33.5	4	6	2	8	0.5
K10-032	32	40	38	35.5	4	6	2	8	0.5
K10-035	35	43	41	38.5	4	6	2	8	0.5
K10-036	36	44	42	39.5	4	6	2	8	0.5
K10-037	37	45	43	40.5	4	6	2	8	0.5
K10-038	38	46	44	41.5	4	6	2	8	0.5
K10-040	40	48	46	43.5	4	6	2	8	0.5
K10-042	42	50	48	45.5	4	6	2	8	0.5
K10-045	45	53	51	48.5	4	6	2	8	0.5
K10-046	46	54	52	49.5	4	6	2	8	0.5
K10-048	48	56	54	51.5	4	6	2	8	0.5
K10-050	50	58	56	53.5	4	6	2	8	0.5
K10-052	52	60	58	55.5	4	6	2	8	0.5
K10-055	55	63	61	58.5	4	6	2	8	0.5
K10-056	56	64	62	59.5	4	6	2	8	0.5
K10-060	60	68	66	63.5	4	6	2	8	0.5
K10-063	63	71	69	66.5	4	6	2	8	0.5
K10-065	65	73	71	68.5	4	6	2	8	0.5
K10-068	68	76	74	71.5	4	6	2	8	0.5
K10-070	70	78	76	73.5	4	6	2	8	0.5
K10-075	75	83	81	78.5	4	6	2	8	0.5
K10-080	80	88	86	83.5	4	6	2	8	0.5
K10-085	85	93	91	88.5	4	6	2	8	0.5
K10-090	90	98	96	93.5	4	6	2	8	0.5
K10-095	95	103	101	98.5	4	6	2	8	0.5
K10-100	100	108	106	103.5	4	6	2	8	0.5
K10-105	105	117	114	110	5.5	8.2	3	11	1
K10-110	110	122	119	115	5.5	8.2	3	11	1
K10-113	113	125	122	118	5.5	8.2	3	11	1
K10-115	115	127	124	120	5.5	8.2	3	11	1
K10-120	120	132	129	125	5.5	8.2	3	11	1
K10-125	125	137	134	130	5.5	8.2	3	11	1
K10-130	130	142	139	135	5.5	8.2	3	11	1
K10-135	135	147	144	140	5.5	8.2	3	11	1
K10-140	140	152	149	145	5.5	8.2	3	11	1
K10-142	142	154	151	147	5.5	8.2	3	11	1
K10-145	145	157	154	150	5.5	8.2	3	11	1



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K10-150	150	162	159	155	5.5	8.2	3	11	1
K10-155	155	167	164	160	5.5	8.2	3	11	1
K10-160	160	172	169	165	5.5	8.2	3	11	1
K10-165	165	177	174	170	5.5	8.2	3	11	1
K10-170	170	182	179	175	5.5	8.2	3	11	1
K10-172	172	184	181	177	5.5	8.2	3	11	1
K10-175	175	187	184	180	5.5	8.2	3	11	1
K10-180	180	192	189	185	5.5	8.2	3	11	1
K10-185	185	197	194	190	5.5	8.2	3	11	1
K10-190	190	202	199	195	5.5	8.2	3	11	1
K10-192	192	204	201	197	5.5	8.2	3	11	1
K10-195	195	207	204	200	5.5	8.2	3	11	1
K10-200	200	212	209	205	5.5	8.2	3	11	1
K10-205	205	220	216	212	6.4	9.5	3	13	1
K10-210	210	225	221	217	6.4	9.5	3	13	1
K10-215	215	230	227	222	6.4	9.5	3	13	1
K10-220	220	235	231	227	6.4	9.5	3	13	1
K10-225	225	240	236	232	6.4	9.5	3	13	1
K10-230	230	245	241	237	6.4	9.5	3	13	1
K10-235	235	250	247	242	6.4	9.5	3	13	1
K10-240	240	255	251	247	6.4	9.5	3	13	1
K10-245	245	260	257	252	6.4	9.5	3	13	1
K10-250	250	265	261	257	6.4	9.5	3	13	1
K10-258	258	273	270	265	6.4	9.5	3	13	1
K10-260	260	275	271	267	6.4	9.5	3	13	1
K10-270	270	285	282	277	6.4	9.5	3	13	1
K10-275	275	290	286	282	6.4	9.5	3	13	1
K10-280	280	295	291	287	6.4	9.5	3	13	1
K10-285	285	300	297	292	6.4	9.5	3	13	1
K10-290	290	305	301	297	6.4	9.5	3	13	1
K10-300	300	315	311	307	6.4	9.5	3	13	1
K10-310	310	325	321	317	6.4	9.5	3	13	1
K10-320	320	335	331	327	6.4	9.5	3	13	1
K10-340	340	355	352	347	6.4	9.5	3	13	1
K10-345	345	360	357	352	6.4	9.5	3	13	1
K10-350	350	365	361	357	6.4	9.5	3	13	1
K10-360	360	375	371	367	6.4	9.5	3	13	1
K10-370	370	385	381	377	6.4	9.5	3	13	1
K10-400	400	415	412	407	6.4	9.5	3	13	1
K10-450	450	465	462	457	6.4	9.5	3	13	1
K10-460	460	475	472	467	6.4	9.5	3	13	1
