



K09 is a single acting wiper ensuring that foreign particles do not penetrate into the hydraulic systems, avoiding wear and damage to all the internal components including seals.

PRODUCT ADVANTAGES

- Very good wiping performance
- No twisting in the housing
- Specially design to prevent big particles to go into the system
- Wide range of dimensions
- Used in heavy conditions by the good mechanical properties of PU material
- Secure seating into the groove

APPLICATION

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

SURFACE ROUGHNESS

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

K09 wipers are single acting and can be used with combination of all rod sealing elements. K09 wipers can be produced on request in FKM for special applications that require high temperatures.

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

OPERATING CONDITIONS

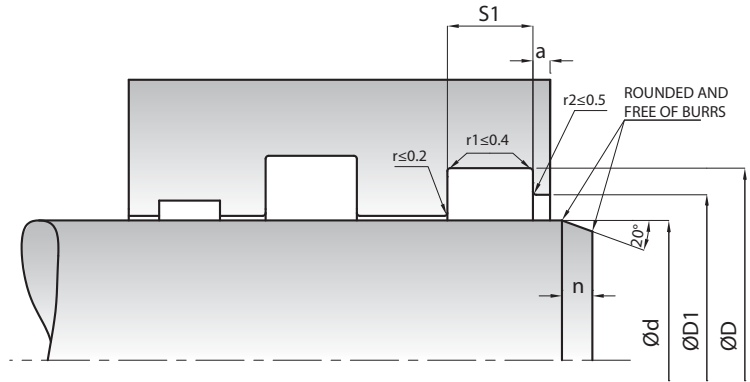
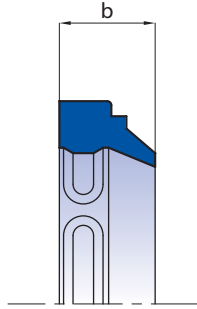
NBR

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

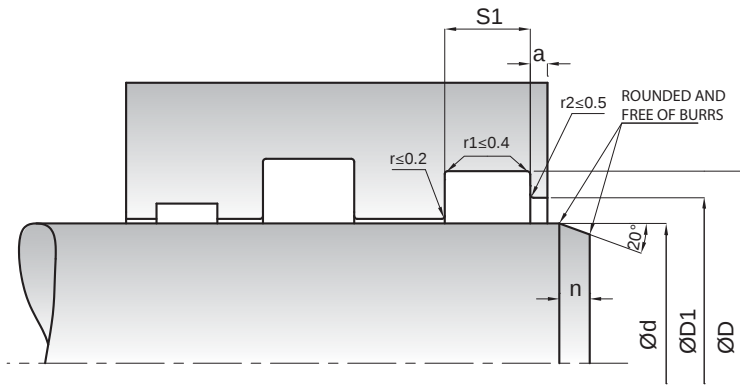
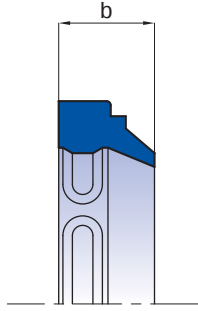
PU

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.



KASTAŞ NO	NBR	PU	d (f8)	D (H10)	D1 (H11)	S1 (-0/+0.2)	a (±0.2)	b
K09-004	NBR		4	12	10	4	1	7
K09-005	NBR		5	8	7	2.2	1	4
K09-006	NBR		6	10	9	2.2	1	4
K09-008	NBR		8	16	14	4	1	7
K09-010	NBR	PU	10	18	16	4	1	7
K09-012/2	NBR		12	18	16	2.6	1	5
K09-012	NBR	PU	12	20	18	4	1	7
K09-014	NBR		14	22	20	4	1	7
K09-015	NBR	PU	15	23	21	4	1	7
K09-016	NBR	PU	16	24	22	4	1	7
K09-017	NBR		17	25	23	4	1	7
K09-018	NBR	PU	18	26	24	4	1	7
K09-020	NBR	PU	20	28	26	4	1	7
K09-022	NBR	PU	22	30	28	4	1	7
K09-022/1	NBR		22	32	30	4	1	7
K09-023	NBR		23	31	29	4	1	7
K09-024	NBR		24	32	30	4	1	7
K09-025	NBR	PU	25	33	31	4	1	7
K09-025/1	NBR	PU	25	35	33	4	1	7
K09-025/2	NBR		25	34	32	5	1	8.5
K09-026	NBR	PU	26	34	32	4	1	7
K09-028	NBR	PU	28	36	34	4	1	7
K09-030	NBR	PU	30	38	36	4	1	7
K09-030/1	NBR		30	40	38	4	1	7
K09-032	NBR	PU	32	40	38	4	1	7
K09-033	NBR		33	41	39	4	1	7
K09-034	NBR	PU	34	42	40	4	1	7
K09-035	NBR	PU	35	43	41	4	1	7
K09-035/1	NBR	PU	35	45	43	4	1	7
K09-036	NBR	PU	36	44	42	4	1	7
K09-038	NBR	PU	38	46	44	4	1	7
K09-040	NBR	PU	40	48	46	4	1	7
K09-040/1	NBR		40	50	48	4	1	7
K09-042	NBR	PU	42	50	48	4	1	7
K09-044	NBR	PU	44	52	50	4	1	7
K09-045	NBR	PU	45	53	51	4	1	7
K09-045/1	NBR		45	56	54	5	1	8
K09-048	NBR		48	56	54	4	1	7
K09-050	NBR	PU	50	58	56	4	1	7
K09-050/1	NBR	PU	50	62	59	5.5	1.5	10
K09-052	NBR	PU	52	60	58	4	1	7
K09-054	NBR		54	62	60	4	1	7
K09-055	NBR	PU	55	63	61	4	1	7
K09-056	NBR	PU	56	64	62	4	1	7
K09-057	NBR	PU	57	65	63	4	1	7
K09-060	NBR	PU	60	68	66	4	1	7
K09-062	NBR		62	70	68	4	1	7
K09-063	NBR	PU	63	71	69	4	1	7
K09-065	NBR	PU	65	73	71	4	1	7



KASTAŞ NO	NBR	PU	d (f8)	D (H10)	D1 (H11)	S1 (-0/+0.2)	a (±0.2)	b
K09-068	NBR		68	76	74	4	1	7
K09-070	NBR	PU	70	78	76	4	1	7
K09-075	NBR	PU	75	83	81	4	1	7
K09-078	NBR		78	86	84	4	1	7
K09-080	NBR	PU	80	88	86	4	1	7
K09-085	NBR	PU	85	93	91	4	1	7
K09-088	NBR		88	96	94	4	1	7
K09-090	NBR	PU	90	98	96	4	1	7
K09-092	NBR		92	100	98	4	1	7
K09-095	NBR		95	103	101	4	1	7
K09-100	NBR	PU	100	108	106	4	1	7
K09-102	NBR		102	114	111	5.5	1.5	10
K09-110	NBR		110	118	116	4	1	7
K09-106		PU	106	118	115	5	1.5	10
K09-110/1	NBR	PU	110	122	119	5.5	1.5	10
K09-115	NBR		115	127	124	5.5	1.5	10
K09-117/1		PU	117	129	126	5.5	1.5	10
K09-120	NBR	PU	120	132	129	5.5	1.5	10
K09-125	NBR		125	137	134	5.5	1.5	10
K09-128	NBR		128	140	137	5.5	1.5	10
K09-130	NBR		130	142	139	5.5	1.5	10
K09-135	NBR		135	147	144	5.5	1.5	10
K09-140	NBR		140	152	149	5.5	1.5	10
K09-150	NBR	PU	150	162	159	5.5	1.5	10
K09-152	NBR		152	164	161	5.5	1.5	10
K09-155	NBR		155	167	164	5.5	1.5	10
K09-160	NBR		160	172	169	5.5	1.5	10
K09-165	NBR		165	177	174	5.5	1.5	10
K09-180	NBR	PU	180	192	189	5.5	1.5	10
K09-190	NBR		190	202	199	5.5	1.5	10
K09-200	NBR		200	212	209	5.5	1.5	10
K09-210	NBR		210	225	222	6.5	1.5	13
K09-210/1	NBR		210	218	216	4	1	7
K09-220	NBR		220	235	232	6.5	1.5	13
K09-250	NBR		250	265	262	6.5	1.5	13