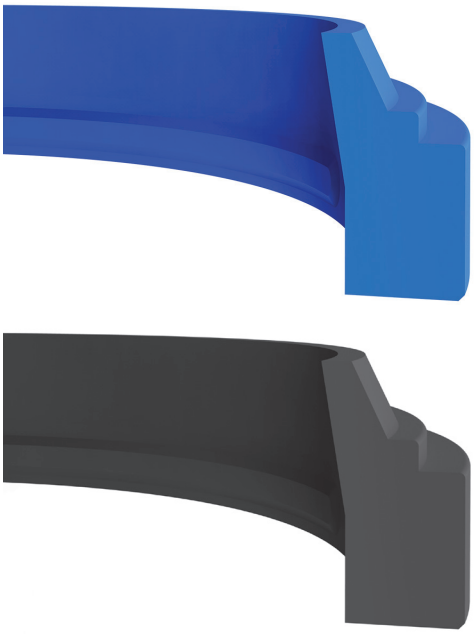
K09
Wiper



K09 wipers are sealing elements designed to prevent foreign particles from the external environment from entering hydraulic systems. They are available in thermoplastic polyurethane or elastomer materials. Featuring a precision-cut lip design, K09 wipers ensure superior rod-cleaning performance. The stepped outside diameter provides optimal contact force and secure fit in the housing.

Advantages
- Simple installation
- Long service life
- Good wiping effect

Application
- Agricultural machinery
- Construction machinery
- Cranes
- Forklifts
- Standard industrial cylinders
- Mining industry

Operating Conditions (PU9201)

MOTION:	Linear		
SPEED (m/s):	1 m/s (max)		
TEMPERATURE (°C):	-40/+100 °C	+5/+50°C	-30/+40°C
MEDIA TYPE:	Mineral Oils	HFA/HFB	HFC

NOTE: The above values (speed, pressure, temperature) are maximum values, all cannot be used at the same time.

Operating Conditions (NB9001)

MOTION:	Linear		
SPEED (m/s):	1 m/s (max)		
TEMPERATURE (°C):	-30/+105 °C	+5/+60 °C	-30/+60 °C
MEDIA TYPE:	Mineral Oils	HFA/HFB	HFC

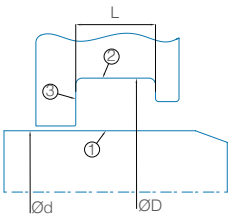
NOTE: The above values (speed, pressure, temperature) are maximum values, all cannot be used at the same time.

Material Information

Wiper	Remarks
Polyurethane-PU9201	Standard produced material code
Elastomer-NB9001	Standard produced material code
Elastomer-FK9001	It can be produced from FKM material for high temperature applications.

Note: In the special application conditions (temperature, media, etc.) Can be produced from different materials. You can refer to Table 2.10 for details or you can contact our sales department.

Surface Roughness



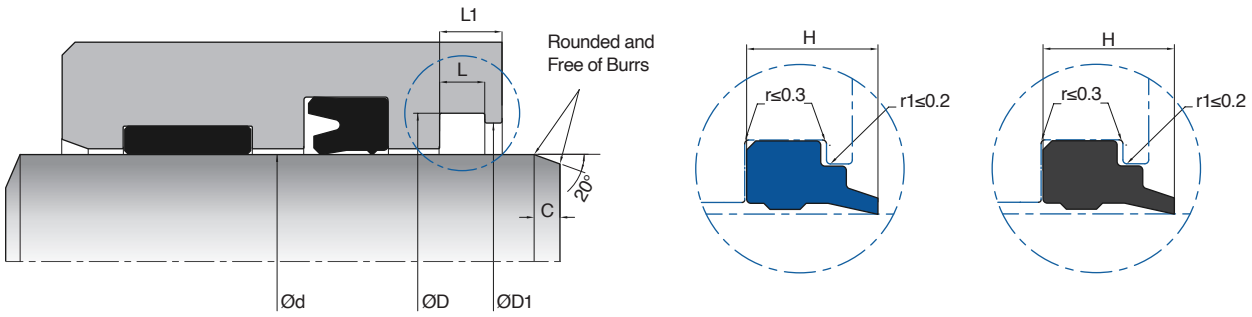
	1 (rod)	2 (groove base)	3 (groove flanks)
Ra	*** µm	0.2-1.6 µm	0.2-3.2 µm
Rmax	*** µm	< 6.3 µm	< 16 µm

Ra, Rmax values shown as *** µm should be in accordance with the used main sealing element.

Installation Information

It can be easily mounted into the closed housing.
It is very important that the assembly tools must be of soft material and have no sharp edges.
The contamination in the housing and the chamfer on the rod should be checked before the installation.
(See Installation instruction - Page 51-57)

K09 Wiper



KASTAŞ NO	d (f8)	D (H10)	D1 (H10)	L (+0.2/-0)	L1 (+0.2/-0)	H	KASTAŞ CODE NBR	KASTAŞ CODE PU
K09-003	3	7	6	2.2	3.2	4	10001501	-
K09-004	4	12	10	4	5	7	10001502	-
K09-005	5	8	7	2.2	3.2	4	10001503	-
K09-006	6	10	9	2.2	3.2	4	10001505	10001507
K09-008	8	16	14	4	5	7	10001508	10001510
K09-010	10	18	16	4	5	7	10001512	10001514
K09-012	12	20	18	4	5	7	10001516	10001518
K09-012/2	12	18	16	2.6	3.6	5	10001519	10001521
K09-014	14	22	20	4	5	7	10001525	10001527
K09-014/1	14	20	18	2.6	3.6	5	-	10001528
K09-014/2	14	20	18	3.1	4.1	5	10001529	-
K09-015	15	23	21	4	5	7	10001531	10001533
K09-016	16	24	22	4	5	7	10001534	10001536
K09-016/1	16	22	20	3.1	4.1	5	10001537	-
K09-017	17	25	23	4	5	7	10001538	-
K09-018	18	26	24	4	5	7	10001540	10001542
K09-020	20	28	26	4	5	7	10001544	10001546
K09-022	22	30	28	4	5	7	10001549	10001551
K09-022/1	22	32	30	4	5	7	10001554	-
K09-022/2	22	28	26	3.1	4.1	5	10001555	-
K09-023	23	31	29	4	5	7	10001557	-
K09-024	24	32	30	4	5	7	10001558	10001560
K09-025	25	33	31	4	5	7	10001562	10001564
K09-025/1	25	35	33	4	5	7	10001566	10001568
K09-025/2	25	34	32	5.5	6.5	8.5	10001569	10001570
K09-026	26	34	32	4	5	7	10001572	10001574
K09-028	28	36	34	4	5	7	10001575	10001577
K09-030	30	38	36	4	5	7	10001581	10001583
K09-030/1	30	40	38	4	5	7	10001584	-
K09-030/2	30	36	34	3.1	4.1	5	10001585	-
K09-032	32	40	38	4	5	7	10001587	10001589
K09-033	33	41	39	4	5	7	10001590	-
K09-034	34	42	40	4	5	7	10001591	10001593
K09-035	35	43	41	4	5	7	10001594	10001596
K09-035/1	35	45	43	4	5	7	10001597	10001599
K09-036	36	44	42	4	5	7	10001600	10001602
K09-036/1	36	42	41	3.1	4.1	5	10001603	10001605
K09-038	38	46	44	4	5	7	10001607	10001609
K09-040	40	48	46	4	5	7	10001610	10001612
K09-040/1	40	50	48	4	5	7	10001615	-
K09-042	42	50	48	4	5	7	10001617	10001618
K09-044	44	52	50	4	5	7	10001619	-

KASTAŞ NO	d (f8)	D (H10)	D1 (H10)	L (+0.2/-0)	L1 (+0.2/-0)	H	KASTAŞ CODE NBR	KASTAŞ CODE PU
K09-045	45	53	51	4	5	7	10001620	10001623
K09-045/1	45	56	54	5	6	8	10001626	-
K09-048	48	56	54	4	5	7	10001627	10001629
K09-050	50	58	56	4	5	7	10001630	10001633
K09-050/1	50	62	59	5.5	7	10	10001636	10001637
K09-052	52	60	58	4	5	7	10001638	10001639
K09-054	54	62	60	4	5	7	10001640	10001641
K09-055	55	63	61	4	5	7	10001642	10001644
K09-056	56	64	62	4	5	7	10001645	10001649
K09-057	57	65	63	4	5	7	10001650	10001651
K09-060	60	68	66	4	5	7	10001652	10001654
K09-060/1	60	72	66.8	5.5	7	10	10001656	-
K09-062	62	70	68	4	5	7	10001657	-
K09-063	63	71	69	4	5	7	10001659	10001661
K09-065	65	73	71	4	5	7	10001662	10001664
K09-068	68	76	74	4	5	7	10001666	-
K09-070	70	78	76	4	5	7	10001668	10001670
K09-075	75	83	81	4	5	7	10001672	10001674
K09-078	78	86	84	4	5	7	10001676	-
K09-080	80	88	86	4	5	7	10001678	10001680
K09-085	85	93	91	4	5	7	10001681	10001683
K09-088	88	96	91	4	5	7	10001684	-
K09-090	90	98	96	4	5	7	10001685	10001687
K09-092	92	100	98	4	5	7	10001689	-
K09-095	95	103	101	4	5	7	10001690	10001691
K09-100	100	108	106	4	5	7	10001692	10001694
K09-102	102	114	111	5.5	7	10	10001695	-
K09-106	106	118	115	5	6.5	10	-	10001696
K09-110	110	118	116	4	5	7	10001697	-
K09-110/1	110	122	119	5.5	7	10	10001700	10001701
K09-115	115	127	124	5.5	7	10	10001702	10001703
K09-117/1	117	129	126	5	6.5	10	-	10001706
K09-120	120	132	129	5.5	7	10	10001707	10001708
K09-125	125	137	134	5.5	7	10	10001709	-
K09-128	128	140	137	5.5	7	10	10001711	-
K09-130	130	142	139	5.5	7	10	10001712	10001713
K09-135	135	147	144	5.5	7	10	10001714	10001715
K09-140	140	152	149	5.5	7	10	10001717	-
K09-148	148	156	154	4	5	7	-	10001719
K09-150	150	162	159	5.5	7	10	10001720	10001721
K09-152	152	164	161	5.5	7	10	10001722	-
K09-155	155	167	164	5.5	7	10	10001723	10001724
K09-160	160	172	169	5.5	7	10	10001725	10001726
K09-165	165	177	174	5.5	7	10	10001728	-
K09-175	175	187	184	5.5	7	10	-	10001730
K09-180	180	192	189	5.5	7	10	10001731	10001732
K09-190	190	202	199	5.5	7	10	10001733	-
K09-200	200	212	209	5.5	7	10	10001734	-
K09-210	210	225	222	6.5	8	13	10001736	-
K09-210/1	210	218	216	4	5	7	10001737	-
K09-220	220	235	232	6.5	8	13	10001738	-
K09-250	250	265	262	6.5	8	13	10001740	-