

K07

Metal Case Wiper



K07 metal-cased wipers are sealing elements designed to prevent foreign particles from the external environment from entering hydraulic systems. They are available with thermoplastic polyurethane or elastomer wiping elements enclosed in a metal case. Suitable for use in open housing gland cap designs, K07 wipers provide superior rod-cleaning performance thanks to their precision-cut lip geometry.

Advantages

- Simple installation
- Good wiping effect

Application

- Agricultural machinery
- Construction machinery
- Cranes
- Standard industrial cylinders
- Forklifts

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 + Metal-FE9901	Standard produced material code
Elastomer-NB9001 + Metal-FE9901	Standard produced material code
Elastomer-FK9001 + Metal-FE9901	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.

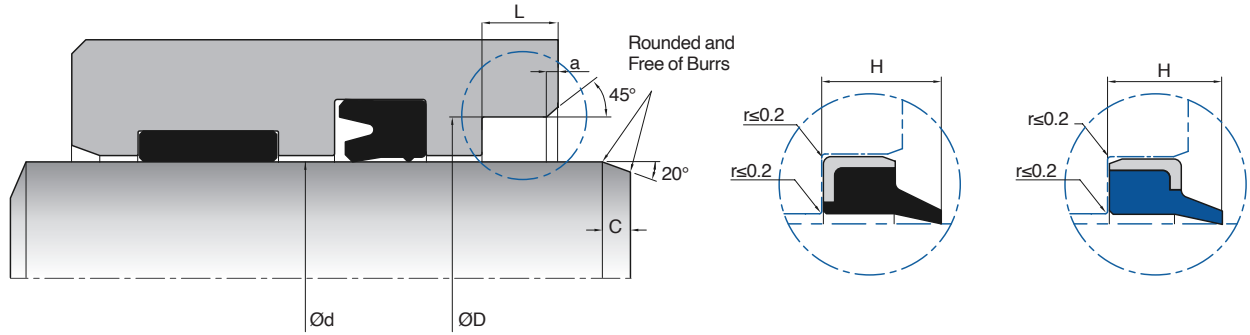
Installation Information

Installation into the open type grooves can be done by pressing. It is recommended to install using tools that will not damage the metal part surface, and paying attention to avoiding axial misalignment during assembly. (See Installation instruction - Page 51-57)

Notes

Metal parts of Polyurethane and Elastomer types are produced in different forms. This has no effect on product operation and groove dimensions.

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KASTAŞ NO	d (f8)	D (H8)	L (+0.2/-0)	H	a	KASTAŞ CODE NBR	KASTAŞ CODE PU
K07-012	12	20	4	6	1	20000003	-
K07-020	20	30	7	10	1.4	20000011	20000012
K07-022	22	32	5	8	1	-	20000015
K07-022/1	22	30	5	8	1	20000016	-
K07-022/2	22	32	7	10	1.4	20000017	-
K07-025	25	35	7	10	1.4	20000019	20000020
K07-028	28	38	7	10	1.4	-	20000022
K07-030	30	40	5	7	0.8	20000024	-
K07-030/1	30	40	7	10	1.4	20000025	20000026
K07-032	32	40	7	10	1.4	20000027	-
K07-032/1	32	45	7	10	1.4	20000028	-
K07-032/2	32	42	7	10	1.4	-	20000029
K07-035	35	45	7	10	1.4	20000032	20000033
K07-036	36	46	7	10	1.4	20000034	-
K07-036/1	36	45	7	10	1.4	20000035	-
K07-040	40	50	7	10	1.4	20000036	20000037
K07-040/1	40	50	5	8	1	20000038	-
K07-045	45	55	7	10	1.4	20000039	20000040
K07-050	50	60	7	10	1.4	20000041	20000042
K07-050/1	50	56	5	7	0.8	20000043	-
K07-055	55	65	7	10	1.4	20000045	20000046
K07-056	56	66	7	10	1.4	20000047	-
K07-060	60	70	7	10	1.4	20000048	20000049
K07-060/1	60	80	7	10	1.4	20000050	-
K07-063	63	75	7	10	1.4	20000053	-
K07-065	65	75	7	10	1.4	20000055	20000056
K07-070	70	80	7	10	1.4	20000057	20000058
K07-070/1	70	80	5	7	0.8	20000059	-
K07-075	75	85	7	10	1.4	20000061	20000062
K07-080	80	90	7	10	1.4	20000063	20000064
K07-080/1	80	94	8	11	1.4	-	20000065
K07-085	85	99	8	11	1.4	-	20000066
K07-085/1	85	95	7	10	1.4	-	20000067
K07-090	90	100	7	10	1.4	20000068	20000069
K07-090/1	90	104	8	11	1.4	-	20000070
K07-095	95	105	7	10	1.4	-	20000071
K07-100	100	110	7	10	1.4	20000072	20000073
K07-105	105	115	7	10	1.4	20000076	-
K07-125	125	140	9	12	1.8	20000078	-
K07-130	130	145	9	12	1.8	20000079	-
K07-130/1	130	146	9	12	1.8	-	20000080
K07-160	160	175	9	12	1.8	-	20000082
K07-180	180	195	10	14	1.8	20000083	20000084