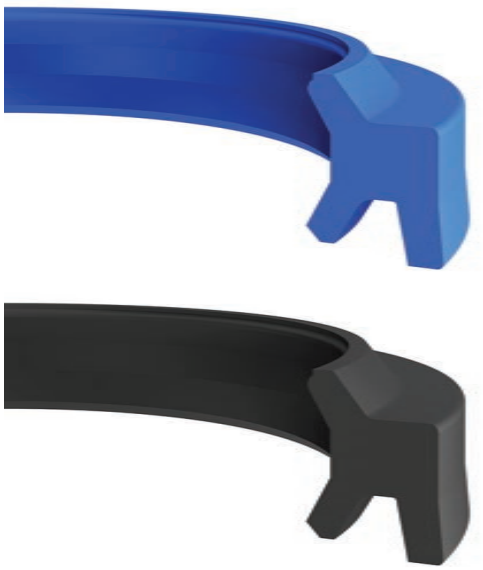
K103
Double Wiper



K103 double wipers are scraper elements designed to prevent the ingress of foreign particles from the external environment into hydraulic cylinders. Thanks to their dual-lip design—featuring both upper and lower lips—they provide effective wiping performance on the rod, ensuring enhanced protection in demanding applications.

Advantages
- Good sealing effect
- Good wiping effect

Application
- Forklifts
- Mobile machinery
- Industrial cylinders
- Injection moulding machines

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.vvvv

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

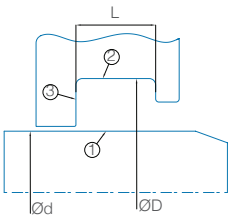
NOTE: The above values (speed, pressure, temperature) are maximum values, all cannot be used at the same time.

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



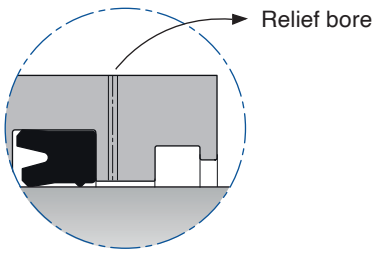
	1 (rod)	2 (groove base)	3 (groove flanks)
Ra	*** µm	0.2-1.6 µm	0.2-3.2 µm
Rmax	*** µm	< 6.3 µm	< 16 µm

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

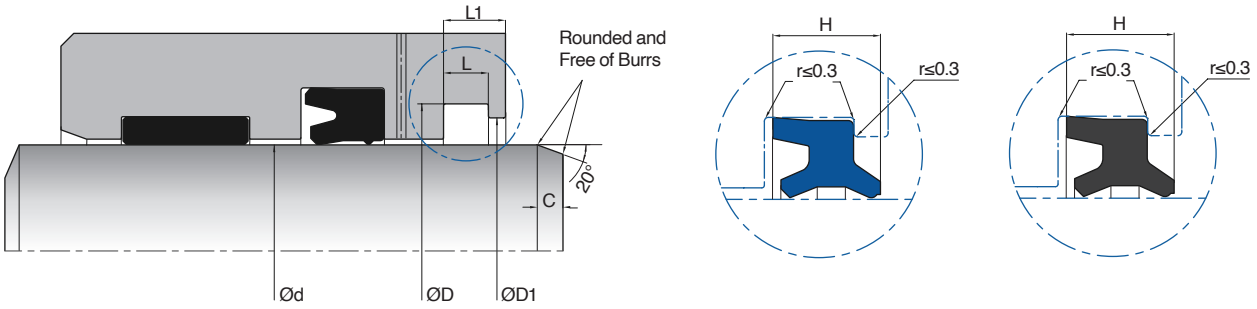
Installation Information

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.
It is important to clean the housing prior to installation.

NOTE: In case of use of K12 wiper with a rod seal which doesn't provide pressure relieving, a relief bore should be drilled on the gland cap as shown below.



K103 Double Wiper



KASTAŞ NO	d (f8)	D (+0/-0.2)	D1 (H10)	L (+0.2/-0)	L1	H	KASTAŞ CODE NBR	KASTAŞ CODE PU
K103-014	14	22	18.3	5	7	6	10001912	-
K103-016	16	24	20.3	5	7	6	10001913	-
K103-018	18	26	22.3	5	7	6	10001914	10001916
K103-020	20	28	24.3	5	7	6	10001917	10001919
K103-022	22	30	26.3	5	7	6	10001920	-
K103-025	25	33	29.3	5	7	6	10001923	10001925
K103-028	28	36	32.3	5	7	6	10001927	10001929
K103-030	30	38	34	6	8	6.5	10001930	10001931
K103-031	31.5	39.5	35.5	6	8	6.5	-	10001932
K103-032	32	40	36	6	8	6.5	-	10001933
K103-035	35	43	39	6	8	6.5	10001934	10001936
K103-040	40	48	44	6	8	6.5	10001940	10001941
K103-045	45	53	49	6	8	6.5	10001943	10001945
K103-050	50	58	54	6	8	6.5	10001947	10001948
K103-055	55	63	59	6	8	6.5	10001949	10001951
K103-060	60	68	64	6	8	6.5	10001952	10001953
K103-070	70	80	75	7	10	8	10001957	10001959
K103-075	75	85	80	7	10	8	10001961	10001962
K103-080	80	90	85	7	10	8	10001963	10001964
K103-085	85	95	90	7	10	8	-	10001965
K103-090	90	100	95	7	10	8	10001966	10001967
K103-095	95	105	100	7	10	8	-	10001968
K103-100	100	110	105	7	10	8	10001970	10001971
K103-110	110	120	115	7	10	8	-	10001972
K103-125	125	138	132	8	11	9.5	-	10001974
K103-140	140	153	147	8	11	9.5	-	10001976
K103-150	150	163	157	8	11	9.5	-	10001978
K103-180	180	193	187	8	11	9.5	-	10001979
K103-200	200	213	207	8	11	9.5	-	10001983