

►K12

Metal Case Wiper



K12 metal-cased double wipers are sealing elements designed to prevent the ingress of foreign particles from the external environment into hydraulic systems. Their special geometry allows installation in open housing gland cap designs. Featuring a precision-cut lip structure, they provide superior wiping performance on the rod surface.

Advantages

- Good sealing effect
- High abrasion resistance
- Large dimension range
- Long service life
- Good wiping effect

Application

- Construction machinery
- Forklifts
- Injection moulding machines
- Standard industrial cylinders

Operating Conditions

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

NOTE: The values above (speed, pressure, temperature) represent maximum limits and cannot be applied simultaneously.

Material Information

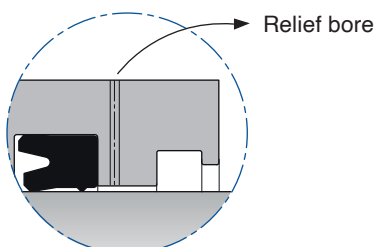
Wiper	Remarks
Polyurethane-PU9501 + Metal-FE9901	Standard production material code.

Note: For special application conditions (such as temperature, fluid, etc.), production can be carried out using different materials. For more details, please refer to Table 2.10 or contact our sales department.

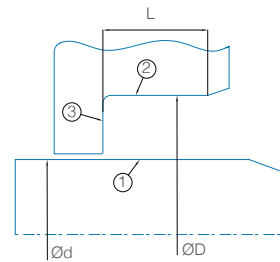
Installation Information

Installation can be performed by press-fitting into open-type grooves. It is recommended to use installation tools that do not damage the metal surface, ensuring there is no misalignment during assembly.

NOTE: When the K12 metal-cased wiper is used together with rod seals that do not have a pressure relief function, a vent hole should be drilled between the primary sealing element and the K12 wiper to prevent the formation of hydrodynamic pressure.

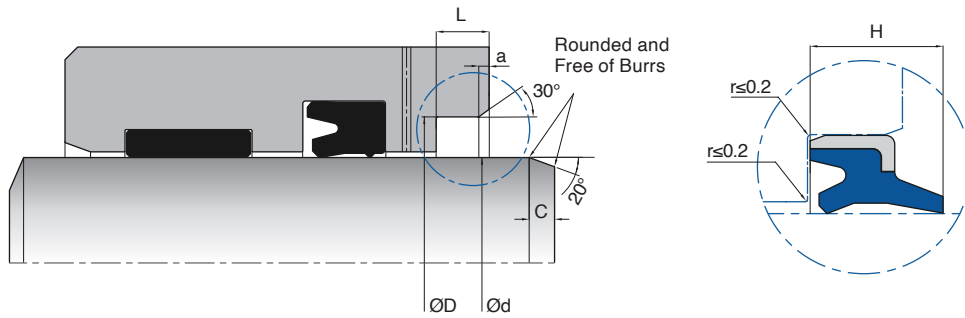


Surface Roughness



	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.



KASTAŞ NO	d (f8)	D (H8)	L (+0.3/-0)	H	a	KASTAŞ CODE
K12-020	20	32	6	9	0.6	20000087
K12-025	25	37	6	9	0.6	20000088
K12-030	30	42	6	9	0.6	20000089
K12-032	32	44	7	10	0.6	20000090
K12-035	35	47	7	10	0.6	20000092
K12-040	40	52	7	10	0.6	20000094
K12-045	45	57	7	10	0.6	20000095
K12-050	50	62	7	10	0.6	20000096
K12-055	55	69	8	11	0.8	20000097
K12-060	60	74	8	11	0.8	20000098
K12-065	65	79	8	11	0.8	20000100
K12-070	70	84	8	11	0.8	20000102
K12-075	75	89	8	11	0.8	20000104
K12-080	80	94	8	11	0.8	20000106
K12-085	85	99	8	11	0.8	20000108
K12-090	90	104	8	11	0.8	20000110
K12-095	95	109	8	11	0.8	20000114
K12-100	100	114	8	11	0.8	20000116
K12-105	105	121	9	12	1	20000118
K12-110	110	126	9	12	1	20000120
K12-115	115	131	9	12	1	20000122
K12-120	120	136	9	12	1	20000124
K12-130	130	146	9	12	1	20000128
K12-140	140	160	10	14	1.2	20000132
K12-145	145	165	10	14	1.2	20000134