



K703 is a two piece single acting wiper which consists of one special designed PTFE profile ring and an o-ring as energizing element. K703 ensures that foreign particles do not penetrate into the hydraulic systems, avoiding wear and damage to all the internal components including seals.

PRODUCT ADVANTAGES

- Low friction, free of stick-slip
- Long service life
- High sliding speed
- Space-saving construction
- Wide range of temperature and chemicals depending on the o-ring material
- Wide range of dimensions

APPLICATION

Mobile hydraulics, aluminum injection machines and industrial equipment.

MATERIAL		CODE
NBR	70 SHORE A	NB7001
PTFE		PT6003

OPERATING CONDITIONS			
MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C +105°C	+5°C +60°C	-30°C +60°C
SPEED	≤5.0 m/sec	≤5.0 m/sec	≤5.0 m/sec

Note: The above data are maximum values and cannot be used at the same time.

SURFACE ROUGHNESS		Ra	Rmax
Sliding Surface	Ød	≤0.4 µm	≤3.2 µm
Groove Base	ØD	≤1.6 µm	≤6.3 µm
Groove Flanks	B	≤3.2 µm	≤16 µm

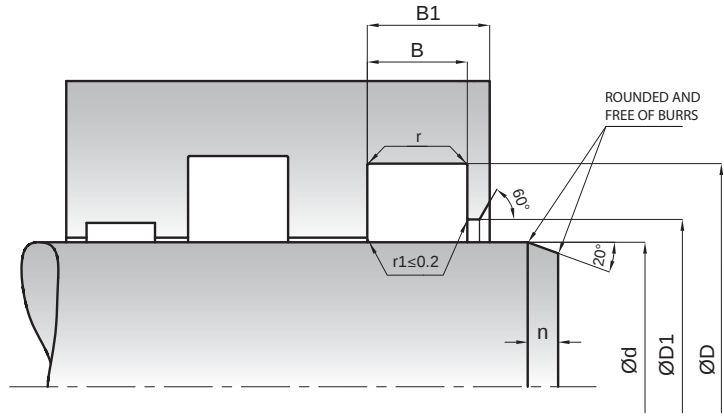
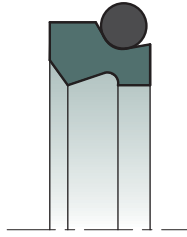
Note: It is recommended to have 50% to 90% of the working surface material contact area value

INSTALLATION

We recommend using special assembly tool (See section; Hydraulic Sealing Elements General Installation Information). It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation the sealing element must be oiled with system oil.

NOTES

When K703 wiper is being used with double lip sealing element we recommend a pressure relieving bore between the seal and wiper. For special applications that require high temperatures or resistance to chemicals, piston seal can be manufactured with special mixture PTFE and FKM.



KASTAŞ NO	d (f8)	D (H9)	D1 (H11)	B (-0/+0.2)	B1	r	O-Ring
K703-020	20	27.6	21.5	4.2	7.2	0.8	21.89x2.62
K703-028	28	35.6	29.5	4.2	7.2	0.8	29.82x2.62
K703-030	30	37.6	31.5	4.2	7.2	0.8	32.99x2.62
K703-032	32	39.6	33.5	4.2	7.2	0.8	34.59x2.62
K703-036/1	36	43.6	37.5	4.2	7.2	0.8	37.77x2.62
K703-040	40	48.8	41.5	6.3	9.3	0.8	44.12x2.62
K703-042	42	49.6	43.5	4.2	7.2	0.8	44.12x2.62
K703-045	45	53.8	46.5	6.3	9.3	0.8	48.90x2.62
K703-050	50	58.8	51.5	6.3	9.3	0.8	53.64x2.62
K703-055	55	63.8	56.5	6.3	9.3	0.8	58.42x2.62
K703-056	56	64.8	57.5	6.3	9.3	0.8	59.99x2.62
K703-060	60	68.8	61.5	6.3	9.3	0.8	63.17x2.62
K703-063	63	71.8	64.5	6.3	9.3	0.8	66.34x2.62
K703-065	65	73.8	66.5	6.3	9.3	0.8	67.95x2.62
K703-070	70	82.2	72	8.1	12.1	1	75.79x3.53
K703-075	75	87.2	77	8.1	12.1	1	78.97x3.53
K703-080	80	92.2	82	8.1	12.1	1	85.32x3.53
K703-085	85	97.2	87	8.1	12.1	1	88.49x3.53
K703-090	90	102.2	92	8.1	12.1	1	94.84x3.53
K703-100	100	112.2	102	8.1	12.1	1	104.37x3.53
K703-105	105	117.2	107	8.1	12.1	1	110.72x3.53
K703-110	110	122.2	112	8.1	12.1	1	113.89x3.53
K703-115	115	127.2	117	8.1	12.1	1	120.24x3.53
K703-120	120	132.2	122	8.1	12.1	1	123.42x3.53
K703-125	125	137.2	127	8.1	12.1	1	129.77x3.53
K703-130	130	142.2	132	8.1	12.1	1	136.12x3.53
K703-135	135	147.2	137	8.1	12.1	1	139.29x3.53
K703-140	140	156	142.5	9.5	14.5	1.5	145.42x5.33
K703-150	150	166	152.5	9.5	14.5	1.5	151.77x5.33
K703-160	160	176	162.5	9.5	14.5	1.5	164.47x5.33
K703-165	165	181	167.5	9.5	14.5	1.5	170.82x5.33
K703-170	170	186	172.5	9.5	14.5	1.5	177.17x5.33
K703-180	180	196	182.5	9.5	14.5	1.5	183.52x5.33
K703-190	190	206	192.5	9.5	14.5	1.5	196.22x5.33
K703-200	200	216	202.5	9.5	14.5	1.5	202.57x5.33
K703-220	220	236	222.5	9.5	14.5	1.5	221.62x5.33
K703-240	240	256	242.5	9.5	14.5	1.5	247.02x5.33
K703-250	250	266	252.5	9.5	14.5	1.5	253.57x5.33
K703-260	260	276	262.5	9.5	14.5	1.5	266.07x5.33
K703-270	270	286	272.5	9.5	14.5	1.5	278.77x5.33
K703-280	280	296	282.5	9.5	14.5	1.5	278.77x5.33
K703-300	300	316	302.5	9.5	14.5	1.5	304.17x5.33
K703-320	320	336	322.5	9.5	14.5	1.5	329.57x5.33
K703-330	330	346	332.5	9.5	14.5	1.5	329.57x5.33
K703-350	350	366	352.5	9.5	14.5	1.5	354.97x5.33
K703-380	380	396	382.5	9.5	14.5	1.5	380.37x5.33
K703-480	480	504	482.5	14	22	1.5	481.46x6.99
K703-500	500	524	502.5	14	22	1.5	506.86x6.99