



K752 is a two piece double-acting sealing set which consists of one special mixture PTFE profile ring and an o-ring as energizing element.

#### PRODUCT ADVANTAGES

- Can be used at high pressures and low peripheral speeds
- Low friction, free of stick-slip
- Simple groove design and low axial housing heights
- Long service life
- High sliding speed
- Wide range of temperature and chemicals depending on the o-ring material
- Minimum static and dynamic friction coefficient for a minimum energy loss and operating temperature

#### APPLICATION

Mobile hydraulics, grippers and rotary joints.

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
PRESSURE	≤300 Bar	≤300 Bar	≤300 Bar
PERIPHERAL 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	∅D	≤0.2 μm	≤2.0 μm
Groove Base	∅d	≤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

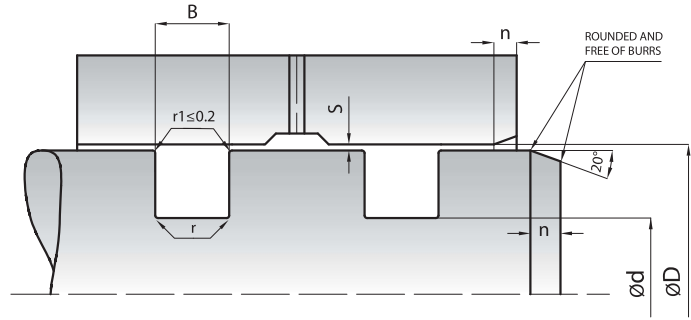
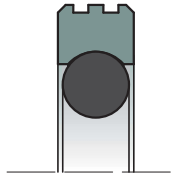
We recommend using special assembly tool (See section; Hydraulic Sealing Elements General Installation Information). It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation the sealing element must be oiled with system oil.

#### NOTES

For special applications that require high temperatures or resistance to chemicals, piston seal can be manufactured with special mixture PTFE and FKM. The permissible sealing gap values of K752 piston seal for rotating application is given in the below table.

PERMISSIBLE SEALING GAP			
B (mm)	Smax (mm)		
	100 bar	200 bar	300 bar
2.2	0.15	0.10	0.075
3.2	0.20	0.15	0.10
4.2	0.20	0.15	0.10
6.3	0.30	0.20	0.15
8.1	0.30	0.20	0.15

Note: The largest sealing gap value occurring on the non-pressurized side of the seal is vital for the function of the seal and in this respect it is quite important to use the S value lower than the above indicated numbers.



KASTAŞ NO	D (H8)	Ød (h9)	B (-0/+0.2)	r	n	O-Ring
K752-015	15	10.1	2.2	0.4	2	9.25x1.78
K752-020	20	15.1	2.2	0.4	2	14.00x1.78
K752-025	25	20.1	2.2	0.4	2	18.77x1.78
K752-030	30	25.1	2.2	0.4	2	23.53x1.78
K752-032	32	27.1	2.2	0.4	2	26.70x1.78
K752-035	35	30.1	2.2	0.4	2	28.30x1.78
K752-040	40	32.5	3.2	0.6	2.5	31.42x2.62
K752-040/1	40	29	4.2	0.8	3.5	28.17x3.53
K752-045	45	37.5	3.2	0.6	2.5	36.17x2.62
K752-050	50	42.5	3.2	0.6	2.5	40.95x2.62
K752-052	52	44.5	3.2	0.6	2.5	42.52x2.62
K752-055	55	47.5	3.2	0.6	2.5	45.69x2.62
K752-060	60	52.5	3.2	0.6	2.5	50.47x2.62
K752-063	63	55.5	3.2	0.6	2.5	53.65x2.62
K752-065	65	57.5	3.2	0.6	2.5	56.82x2.62
K752-070	70	62.5	3.2	0.6	2.5	61.60x2.62
K752-075	75	67.5	3.2	0.6	2.5	66.35x2.62
K752-080	80	69	4.2	0.8	3.5	66.68x3.53
K752-080/1	80	64.5	6.3	1.2	5	62.87x5.33
K752-085	85	74	4.2	0.8	3.5	72.62x3.53
K752-090	90	79	4.2	0.8	3.5	78.97x3.53
K752-095	95	84	4.2	0.8	3.5	82.14x3.53
K752-100	100	89	4.2	0.8	3.5	88.50x3.53
K752-105	105	94	4.2	0.8	3.5	91.67x3.53
K752-110	110	99	4.2	0.8	3.5	98.02x3.53
K752-115	115	104	4.2	0.8	3.5	101.20x3.53
K752-120	120	109	4.2	0.8	3.5	107.54x3.53
K752-125	125	114	4.2	0.8	3.5	113.90x3.53
K752-130	130	119	4.2	0.8	3.5	117.07x3.53
K752-135	135	119.5	6.3	1.2	5	116.84x5.33
K752-135/1	135	124	4.2	0.8	3.5	120.25x3.53
K752-140	140	124.5	6.3	1.2	5	123.19x5.33
K752-145	145	134	4.2	0.8	3.5	129.77x3.53
K752-150	150	134.5	6.3	1.2	5	132.72x5.33
K752-160	160	144.5	6.3	1.2	5	142.24x5.33
K752-170	170	154.5	6.3	1.2	5	151.77x5.33
K752-180	180	164.5	6.3	1.2	5	164.47x5.33
K752-190	190	174.5	6.3	1.2	5	170.82x5.33
K752-200	200	184.5	6.3	1.2	5	183.52x5.33
K752-210	210	194.5	6.3	1.2	5	196.22x5.33
K752-220	220	204.5	6.3	1.2	5	202.57x5.33
K752-230	230	214.5	6.3	1.2	5	208.92x5.33
K752-240	240	224.5	6.3	1.2	5	221.62x5.33
K752-250	250	234.5	6.3	1.2	5	227.97x5.33
K752-260	260	244.5	6.3	1.2	5	240.67x5.33
K752-300	300	284.5	6.3	1.2	5	278.77x5.33