K75
Piston-Rod Guide Ring



K75 piston-rod guide rings are composite guiding elements developed for use in rod and piston applications in hydraulic systems. They feature superior load-carrying capacity thanks to their PTFE filler.

Advantages
- High extrusion resistance
- Low friction, free of stick slip
- High abrasion resistance
- High mechanical properties

Application
- Mobile machinery
- Mining industry
- Excavators
- Presses
- Heavy duty cylinders

Operating Conditions

MEDIA TYPE	Mineral oils (DIN 51524)	HFA ve HFB	HFC
TEMPERATURE (°C):	-40/+130 °C	+5/+60 °C	-40/+60 °C
DYNAMIC CONTACT PRESSURE (N/mm²)	≤120 N/mm²		
STATIC CONTACT PRESSURE (N/mm²)	≤345 N/mm²		
SPEED (m/s):	≤1 m/s		

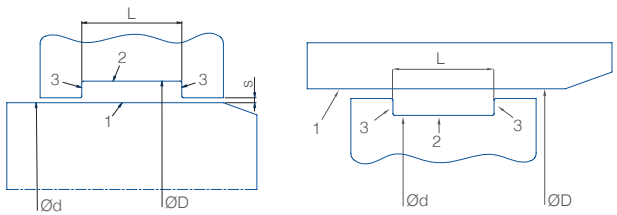
NOTE: The above values (speed, pressure, temperature) are maximum values, all cannot be used at the same time.

Material Information

Sentetik Fiber+Fenolik Resin+ PTFE - PH6501	Standard produced material code

Note: In the special application conditions (temperature, media, etc.) Can be produced from different materials. You can refer to Table 2.4 for details or you can contact our sales department.

Surface Roughness



	1 (mil-boru)	2 (groove base)	3 (groove flanks)
Ra	*** µm	≤1.6 µm	≤3.2 µm
Rmaks	*** µm	≤10 µm	≤16 µm

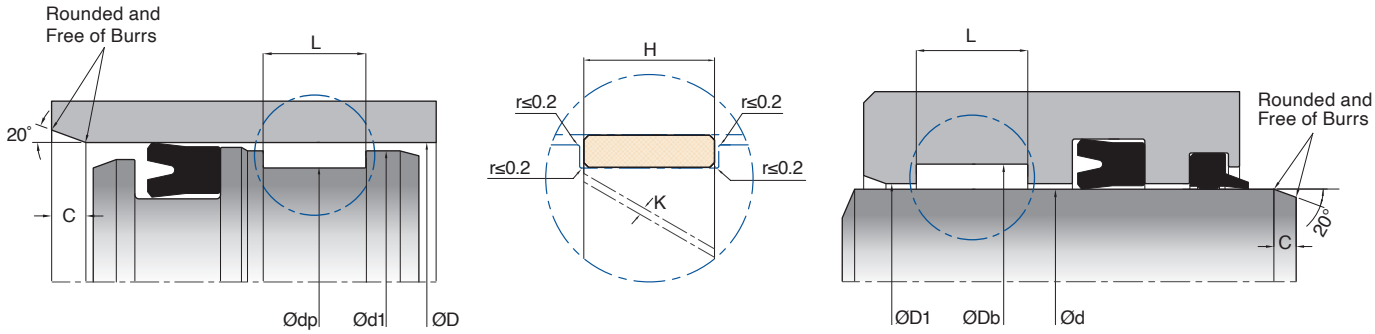
Ra, Rmax values shown as *** µm should be in accordance with the used main sealing element.

Installation Information

It is recommended to use open grooves for guide rings with an inner diameter of less than 30 mm. Before placing the rod, make sure that the bearing is seated correctly in its groove. Sealing elements should be oiled with system oil prior to the installation.

NOTE: When designing cylinders, it is recommended that K75 bearings be placed in contact with the fluid, in a way that does not cause dry running. Load bearing capability decreases at increasing temperatures. In order to prevent hydrodynamic pressure, there is a «K» gap on the product.

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KASTAŞ NO	d(f8) dp(h8)	Db(H8) D(H9)	L (+0.2/-0)	H	d1 (h9)	D1 (H9)	KASTAŞ CODE
K75-025	25	30	9.7	9.5	28.2	26.8	20000906
K75-030	30	35	9.7	9.5	33.2	31.8	20000908
K75-035	35	40	15	14.8	38.2	36.8	20000909
K75-035/1	35	40	9.7	9.5	38.2	36.8	20000910
K75-040/1	40	45	9.7	9.5	43.2	41.8	20000913
K75-040/2	40	45	15	14.8	43.2	41.8	20000914
K75-040/3	40	44	15	14.8	43	41	20000915
K75-045	45	50	9.7	9.5	48.2	46.8	20000916
K75-045/1	45	50	15	14.8	48.2	46.8	20000917
K75-050	50	55	9.7	9.5	53.2	51.8	20000918
K75-050/1	50	55	15	14.8	53.2	51.8	20000919
K75-050/2	50	54	10	9.8	53	51	20000920
K75-055	55	60	15	14.8	58.2	56.8	20000921
K75-055/1	55	60	9.7	9.5	58.2	56.8	20000922
K75-056/2	56	62	20	19.8	59.6	58.4	20000925
K75-056/3	56	61	15	14.8	59.2	57.8	20000926
K75-058	58	63	9.7	9.5	61.2	59.8	20000927
K75-060	60	65	15	14.8	63.2	61.8	20000928
K75-060/1	60	65	9.7	9.5	63.2	61.8	20000929
K75-060/2	60	65	20	19.8	63.2	61.8	20000930
K75-063	63	68	15	14.8	66.2	64.8	20000931
K75-063/1	63	68	9.7	9.5	66.2	64.8	20000933
K75-065	65	70	15	14.8	68.2	66.8	20000934
K75-065/1	65	70	9.7	9.5	68.2	66.8	20000935
K75-070	70	75	9.7	9.5	73.2	71.8	20000936
K75-070/1	70	75	15	14.8	73.2	71.8	20000937
K75-070/2	70	75	20	19.8	73.2	71.8	20000938
K75-074	74	80	6.5	6.3	77.6	76.4	20000939
K75-075	75	80	9.7	9.5	78.2	76.8	20000940
K75-075/1	75	80	15	14.8	78.2	76.8	20000941
K75-080	80	85	9.7	9.5	83.2	81.8	20000942
K75-080/1	80	85	15	14.8	83.2	81.8	20000943
K75-080/2	80	85	20	19.8	83.2	81.8	20000944
K75-080/3	80	86	30	29.8	83.6	82.4	20000945
K75-084	84	90	6.5	6.3	87.6	86.4	20000946
K75-085	85	90	9.7	9.5	88.2	86.8	20000947
K75-085/1	85	90	15	14.8	88.2	86.8	20000948
K75-085/2	85	90	25	24.8	88.2	86.8	20000949
K75-085/3	85	90	20	19.8	88.2	86.8	20000950
K75-090	90	95	15	14.8	93.2	91.8	20000951
K75-090/1	90	95	9.7	9.5	93.2	91.8	20000952
K75-090/2	90	95	5.6	5.4	93.2	91.8	20000953

KASTAŞ NO	d(f8) dp(h8)	Db(H8) D(H9)	L (+0.2/-0)	H	d1 (h9)	D1 (H9)	KASTAŞ CODE
K75-094	94	100	6.5	6.3	97.6	96.4	20000954
K75-095	95	100	9.7	9.5	98.2	96.8	20000955
K75-095/1	95	100	15	14.8	98.2	96.8	20000956
K75-095/2	95	100	20	19.8	98.2	96.8	20000957
K75-100	100	105	15	14.8	103.2	101.8	20000958
K75-100/1	100	105	9.7	9.5	103.2	101.8	20000959
K75-100/2	100	105	20	19.8	103.2	101.8	20000960
K75-100/3	100	105	25	24.8	103.2	101.8	20000961
K75-105	105	110	9.7	9.5	108.2	106.8	20000965
K75-105/1	105	110	15	14.8	108.2	106.8	20000966
K75-105/2	105	110	5.6	5.4	108.2	106.8	20000967
K75-105/3	105	110	20	19.8	108.2	106.8	20000968
K75-109	109	115	6.5	6.3	112.6	111.4	20000970
K75-110	110	115	9.7	9.5	113.2	111.8	20000971
K75-110/1	110	115	15	14.8	113.2	111.8	20000972
K75-110/2	110	115	5.6	5.4	113.2	111.8	20000973
K75-113	113	118	15	14.8	116.2	114.8	20000974
K75-115	115	120	9.7	9.5	118.2	116.8	20000975
K75-115/1	115	120	15	14.8	118.2	116.8	20000976
K75-115/2	115	120	25	24.8	118.2	116.8	20000977
K75-119	119	125	25	24.8	122.6	121.4	20000978
K75-120	120	125	9.7	9.5	123.2	121.8	20000979
K75-120/1	120	125	15	14.8	123.2	121.8	20000980
K75-120/2	120	125	20	19.8	123.2	121.8	20000981
K75-120/3	120	125	25	24.8	123.2	121.8	20000982
K75-121	121	126	9.7	9.5	124.2	122.8	20000984
K75-125	125	130	9.7	9.5	128.2	126.8	20000985
K75-125/1	125	130	15	14.8	128.2	126.8	20000986
K75-130	130	135	9.7	9.5	133.2	131.8	20000988
K75-130/1	130	135	15	14.8	133.2	131.8	20000989
K75-130/2	130	135	25	24.8	133.2	131.8	20000990
K75-135	135	140	9.7	9.5	138.2	136.8	20000991
K75-135/1	135	140	15	14.8	138.2	136.8	20000992
K75-135/2	135	140	20	19.8	138.2	136.8	20000993
K75-140	140	145	9.7	9.5	143.2	141.8	20000995
K75-140/1	140	145	15	14.8	143.2	141.8	20000996
K75-140/2	140	148	25	24.8	145	143	20000997
K75-142	142	147	15	14.8	145.2	143.8	20000998
K75-142/1	142	147	9.7	9.5	145.2	143.8	20000999
K75-143	143	150	20	19.8	147	146	20001000
K75-145	145	150	9.7	9.5	148.2	146.8	20001001
K75-145/1	145	150	15	14.8	148.2	146.8	20001002
K75-145/2	145	150	25	24.8	148.2	146.8	20001003
K75-148	148	160	15	14.8	157	151	20001004
K75-150	150	155	15	14.8	153.2	151.8	20001005
K75-150/1	150	155	9.7	9.5	153.2	151.8	20001006
K75-155	155	160	9.7	9.5	158.2	156.8	20001008
K75-155/1	155	160	15	14.8	158.2	156.8	20001009
K75-155/2	155	163	25	24.8	160	158	20001010
K75-155/3	155	160	20	19.8	158.2	156.8	20001011
K75-160	160	165	20	19.8	163.2	161.8	20001012
K75-160/1	160	165	15	14.8	163.2	161.8	20001013
K75-165	165	170	9.7	9.5	168.2	166.8	20001014
K75-175	175	180	9.7	9.5	178.2	176.8	20001015
K75-175/1	175	180	15	14.8	178.2	176.8	20001016
K75-175/3	175	180	5.6	5.4	178.2	176.8	20001018

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K75-178	178	186	20	19.8	183	181	20001019
K75-178/1	178	186	9.7	9.5	183	181	20001020
K75-180	180	185	15	14.8	183.2	181.8	20001021
K75-180/1	180	188	25	24.8	185	183	20001022
K75-180/2	180	185	20	19.8	183.2	181.8	20001023
K75-182	182	190	25	24.8	187	185	20001024
K75-185	185	190	9.7	9.5	188.2	186.8	20001025
K75-185/1	185	190	15	14.8	188.2	186.8	20001026
K75-185/2	185	193	25	24.8	190	188	20001027
K75-192	192	200	25	24.8	197	195	20001028
K75-192/1	192	197	15	14.8	195.2	193.8	20001029
K75-195	195	200	9.7	9.5	198.2	196.8	20001031
K75-195/1	195	200	15	14.8	198.2	196.8	20001032
K75-195/3	195	200	25	24.8	198.2	196.8	20001034
K75-200	200	205	15	14.8	203.2	201.8	20001035
K75-200/1	200	208	25	24.8	205	203	20001036
K75-205	205	210	25	24.8	208.2	206.8	20001037
K75-205/1	205	210	9.7	9.5	208.2	206.8	20001038
K75-210	210	218	25	24.8	215	213	20001039
K75-212	212	220	25	24.8	217	215	20001040
K75-215	215	220	15	14.8	218.2	216.8	20001041
K75-217	217	225	25	24.8	222	220	20001042
K75-225	225	230	15	14.8	228.2	226.8	20001043
K75-235	235	240	25	24.8	238.2	236.8	20001045
K75-240	240	245	15	14.8	243.2	241.8	20001046
K75-240/1	240	248	25	24.8	245	243	20001047
K75-242	242	250	25	24.8	247	245	20001048
K75-245	245	250	9.7	9.5	248.2	246.8	20001049
K75-245/1	245	250	15	14.8	248.2	246.8	20001050
K75-245/2	245	250	25	24.8	248.2	246.8	20001051
K75-250	250	258	25	24.8	255	253	20001052
K75-260	260	268	25	24.8	265	263	20001053
K75-260/1	260	265	25	24.8	263.2	261.8	20001054
K75-265	265	270	15	14.8	268.2	266.8	20001055
K75-275	275	280	9.7	9.5	278.2	276.8	20001056
K75-275/1	275	280	25	24.8	278.2	276.8	20001057
K75-285	285	290	25	24.8	288.2	286.8	20001058
K75-290	290	298	25	24.8	295	293	20001059
K75-292	292	300	25	24.8	297	295	20001060
K75-295	295	300	15	14.8	298.2	296.8	20001061
K75-300	300	308	25	24.8	305	303	20001062
K75-342	342	350	25	24.8	347	345	20001065
K75-345	345	350	25	24.8	348.2	346.8	20001066
K75-345/1	345	350	15	14.8	348.2	346.8	20001067
K75-360	360	365	25	24.8	363.2	361.8	20001068
K75-392	392	400	25	24.8	397	395	20001069