K36
Piston Rod Seal



K36 is a single-acting sealing element suitable for both rod and piston applications. It consists of a fabric-reinforced elastomer layer at the base to enhance pressure resistance and an elastomer sealing layer on top to ensure effective sealing performance.

Advantages
- Very good sealing at low pressures with high preloading and elastomer material
- High extrusion and tensile strength
- Operating in heavy duty conditions
- Simple groove design

Application
- Standard hydraulic cylinders
- Mobile hydraulic cylinders
- Industrial cylinders

Operating Conditions

MOTION:	Linear		
PRESSURE (bar):	250 bar (max)		
SPEED (m/s):	0.5 m/s (max)		
TEMPERATURE (°C):	-30/+100 °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

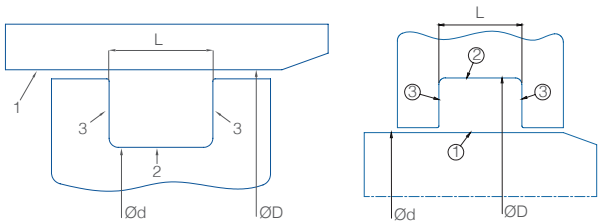
U-ring	Remarks
Fabric Elastomer-FB8001 Elastomer-NB8001	Standard produced material code
Fabric Elastomer - FB8007 Elastomer-FK8001	It can be produced from FKM based material for usage above 100°C.

Note: In the special application conditions (temperature, media, etc.) can be produced from different materials. You can refer to Table 2.6 for details or you can contact our sales department.

Installation Information

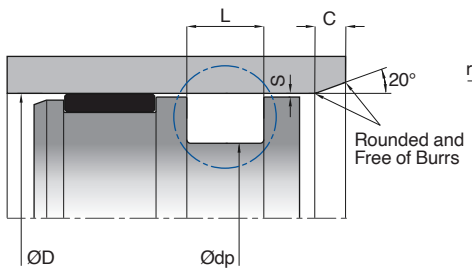
Split groove design is recommended for rod or piston applications where the rod or bore diameter is less than 40 mm. Before installation the sealing elements should be oiled with system oil. For pistons applications, if the seal is goint to be installed into the close groove, piston installation tools should be used. (See. Installation Information - Page 51-57)

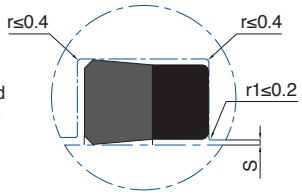
Surface Roughness

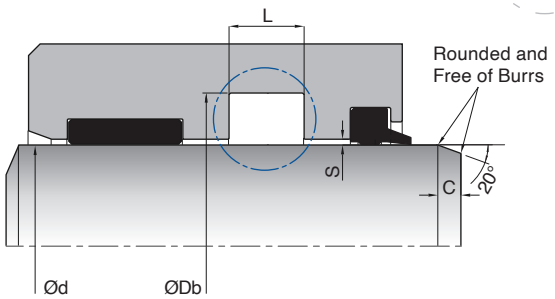


	1 (mil-boru)	2 (groove base)	3 (groove flanks)
Ra	0.1-0.4 µm	0.2-1.6 µm	0.2-3.2 µm
Rmax	< 3.2 µm	< 6.3 µm	< 16 µm
Rmr	When C = 0.25xRz on the dynamic work surface and reference line C_{ref} = 5% , the working surface contact area should be approximately between 55% and 80%.		

K36 Piston-Rod Seal







Max. Permissible Sealing Gap Value "S_{max}" (mm) for K36	
150 bar	**250 bar**
0.20	0.10

S_{max} values are suitable for operating conditions up to 60 °C. The S_{max} value should be calculated according to the formula on page 64 and it is recommended not to exceed the given S_{max} value.

KASTAŞ NO	d(h9) dp(f8)	Db(H10) D(H9)	L (+0.2/-0)	C	KASTAŞ CODE
K36-004	4.76	12.7	6.35	5	10017846
K36-010	10	17	6.3	5	10017847
K36-010/1	10	19	6.3	5	10017848
K36-012	12	20	6.3	5	10017849
K36-014	14	22	6.3	5	10017851
K36-014/1	14	22	7	5	10017853
K36-014/2	14	22	8.5	5	10017854
K36-015	15	23	6.3	5	10017856
K36-016	16	24	6.3	5	10017857
K36-016/1	16	24	6.5	5	10017859
K36-016/2	16	24	7	5	10017861
K36-018	18	26	6.3	5	10017862
K36-018/1	18	24	5.2	5	10017864
K36-019	19.5	27.5	8.3	5	10017865
K36-019/1	19.5	27.5	8	5	10017866
K36-020	20	28	6.3	5	10017867
K36-020/1	20	26	5.5	5	10017869
K36-020/2	20	27	6.5	5	10017870
K36-020/3	20	28	7	5	10017872
K36-020/4	20	30	8.5	5	10017873
K36-020/5	20	28	6	5	10017875
K36-020/6	20	30	8	5	10017876
K36-022	22	30	6.3	5	10017878
K36-022/1	22	30	6.5	5	10017880
K36-022/2	22	30	7	5	10017882
K36-022/3	22	32	7.3	5	10017883
K36-022/4	22	32	7	5	10017885
K36-022/5	22	28	5.3	5	10017886
K36-025	25	32	6.3	5	10017888
K36-025/1	25	33	6.3	5	10017889
K36-025/2	25	33	6	5	10017891
K36-025/3	25	35	8.3	5	10017894
K36-025/4	25	33	6.4	5	10017895
K36-025/5	25	35	9	5	10017897
K36-025/6	25	35	6	5	10017899
K36-025/7	25.4	31.75	4.76	5	10017900
K36-028	28	36	6.3	5	10017901
K36-028/1	28	43	11	5	10017903
K36-028/2	28	35	4.5	5	10017904
K36-028/3	28	36	6.4	5	10017905



KASTAŞ NO	d(h9) dp(f8)	Db(H10) D(H9)	L (+0.2/-0)	C	KASTAŞ CODE
K36-028/4	28.57	41.27	10	5	10017907
K36-028/5	28	36	6	5	10017908
K36-030	30	38	6.3	5	10017912
K36-030/1	30	38	6	5	10017913
K36-030/2	30	40	6.3	5	10017915
K36-030/3	30	40	7.5	5	10017916
K36-030/4	30	40	7	5	10017918
K36-030/5	30	50	14.5	5	10017919
K36-030/6	30	38	6.4	5	10017920
K36-030/7	30	37.5	6.5	5	10017922
K36-030/8	30	40	6	5	10017923
K36-031	31.75	47.62	11.6	5	10017924
K36-032	32	40	6.3	5	10017925
K36-032/1	32	44	12.5	5	10017927
K36-035	35	43	6.3	5	10017928
K36-035/1	35	45	8	5	10017930
K36-035/2	35	43	6	5	10017932
K36-035/3	35	50	11.5	5	10017933
K36-035/4	35	43	6.5	5	10017934
K36-035/5	35	43	7.3	5	10017936
K36-035/6	35	45	7.5	5	10017937
K36-035/7	35	43	7	5	10017939
K36-036	36	44	6.3	5	10017940
K36-036/1	36	51	11	5	10017942
K36-038	38	50	9.5	5	10017943
K36-038/1	38.1	50.8	12.4	5	10017944
K36-040	40	48	6.3	5	10017946
K36-040/1	40	50	8	5	10017948
K36-040/2	40	48	8	5	10017950
K36-040/3	40	50	7	5	10017952
K36-040/4	40	48	6.5	5	10017954
K36-040/5	40	60	14.5	5	10017956
K36-040/6	40	50	11	5	10017958
K36-040/7	40	48	7.3	5	10017960
K36-040/8	40	48	7	5	10017961
K36-042	42	50	6.3	5	10017962
K36-044	44.45	60.33	11.1	5	10017963
K36-045	45	53	8.5	5	10017964
K36-045/1	45	55	8	5	10017966
K36-045/2	45	55	10.5	5	10017968
K36-045/3	45	60	11	5	10017969
K36-045/4	45	57	9.5	5	10017971
K36-045/5	45	65	14.5	5	10017972
K36-045/6	45	53	6.3	5	10017974
K36-045/7	45	53	6	5	10017976
K36-045/8	45	60	12	5	10017977
K36-046	46	56	8	5	10017978
K36-048	48	60	10	5	10017979
K36-048/1	48	63	11	5	10017980
K36-050	50	62	9.5	5	10017982
K36-050/1	50	60	7.5	5	10017983
K36-050/2	50	60	8	5	10017985
K36-050/3	50	60	10	5	10017987
K36-050/4	50	70	14.5	5	10017989
K36-055	55	65	8	5	10017993
K36-055/1	55	67	10.5	5	10017996



KASTAŞ NO	d(h9) dp(f8)	Db(H10) D(H9)	L (+0.2/-0)	C	KASTAŞ CODE
K36-055/2	55	70	10.5	5	10017997
K36-055/3	55	63	8.3	5	10017998
K36-056	56	66	8	5	10017999
K36-056/1	56	76	14	5	10018001
K36-060	60	70	8	5	10018004
K36-060/1	60	70	7.5	5	10018006
K36-060/2	60	72	9.5	5	10018008
K36-060/3	60	80	12.5	5	10018009
K36-060/4	60	72	10	5	10018011
K36-060/5	60	75	13	5	10018012
K36-060/6	60	80	14.5	5	10018014
K36-063	63.5	82.55	14.28	5	10018015
K36-065	65	73	9.6	5	10018016
K36-065/1	65	77	9.6	5	10018017
K36-065/2	65	85	14.5	5	10018018
K36-070	70	80	7.5	5	10018020
K36-070/1	70	82	9.6	5	10018022
K36-070/2	70	82	9	5	10018024
K36-070/3	70	90	14	5	10018026
K36-070/4	70	85	8	5	10018027
K36-070/5	70	80	8	5	10018028
K36-070/6	70	85	12	5	10018029
K36-075	75	87	9.3	5	10018031
K36-075/1	75	85	8	5	10018032
K36-080	80	92	9.6	5	10018036
K36-080/1	80	96	10	5	10018038
K36-080/2	80	92	9	5	10018039
K36-080/3	80	90	8	5	10018040
K36-080/4	80	100	14	5	10018042
K36-085	85	97	9.6	5	10018044
K36-085/1	85	110	13.5	5	10018045
K36-088	88.9	101.6	10	5	10018047
K36-090	90	102	9.6	5	10018052
K36-090/1	90	110	12.5	5	10018054
K36-095	95	110	12.5	5	10018056
K36-100	100	115	12	7	10018058
K36-100/1	100	120	14	7	10018060
K36-110	110	125	12	7	10018062
K36-110/1	110	130	12	7	10018064
K36-140	140	155	14	7	10018073