K34
Rod Seal



K34 is a heavy-duty single-acting rod seal set consisting of an elastomer sealing ring, an elastomer or fabric-reinforced elastomer pressure ring, and a thermoplastic back-up ring. The back-up and pressure rings provide enhanced extrusion resistance and long service life, while the main sealing ring ensures reliable performance under variable and high-pressure conditions.

Advantages

- Good sealing effect
- High extrusion resistance
- Long service life
- Suitable for packing grooves

Application

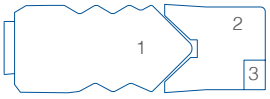
- Construction machinery
- Loading platforms
- Cranes
- Heavy duty cylinders
- Mining industry

Operating Conditions

MOTION :	Linear		
PRESSURE (bar):	700 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.

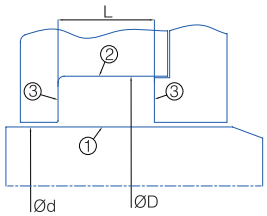
Material Information



Sealing Ring (1)	Arka Parça (2)	Back-up Ring (3)	Remarks
Elastomer NB8001	Thermoplastic Elastomer-TP7301-Fabric Elastomer FB8001*	Thermoplastic-PM9901	Standard produced material code
Elastomer FK8001	Fabric Elastomer	PTFE-PT6003	Material codes of fabric reinforced elsastomers are FB8005 (up to 150°C) and FB8008 (up to 200°C).

Note: In the special application conditions (temperature, media, etc.) Can be produced from different materials. Table 2.6 for details, you can refer to Table 2.7 and Table 2.8, or you can contact the sales department.
**The back ring can be produced with fabric elastomer or thermoplastic elastomer.*

Surface Roughness

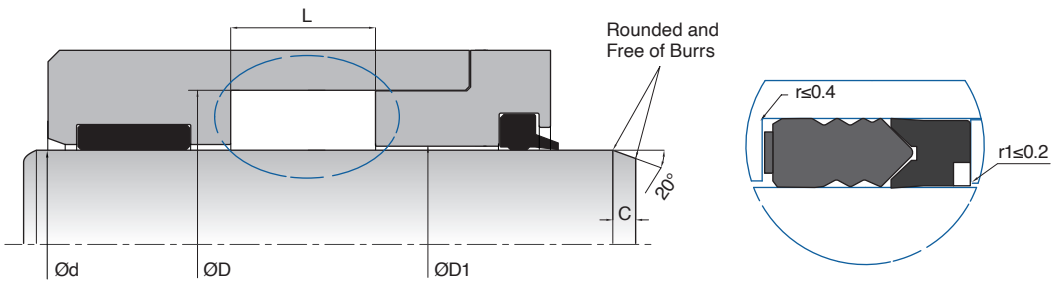


	1 (rod)	2 (groove base)	3 (groove flanks)
Ra	0.1-0.4 μm	0.2-1.6 μm	0.2-3.2 μm
Rmax	< 3.2 μm	< 6.3 μm	< 16 μm
Rmr	When C = 0.25xRz on the dynamic work surface and reference line C_{ref} = 5% , the working surface contact area should be approximately between 55% and 80%.		

Installation Information

Assembly into the open grooves. If it is neccessary to have a closed groove, Please apply to our sales department. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation all individual parts of the seal must be oiled with system oil. (See the installation instruction at page 51-57)

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KASTAŞ NO	d (f8)	D (H10)	L (+0.4/-0)	D1 (+0.1/-0)	C	KASTAŞ CODE
K34-030	30	43	20	30.4	5	10017140
K34-032	32	47	22.5	32.4	5	10017141
K34-035	35	47	22.5	35.4	5	10017142
K34-040	40	55	22.5	40.4	5	10017143
K34-045	45	60	22.5	45.4	5	10017145
K34-050	50	65	22.5	50.4	5	10017147
K34-050/1	50	65	24.5	50.4	5	10017149
K34-055	55	70	22.5	55.4	5	10017151
K34-060	60	75	22.5	60.4	5	10017152
K34-063	63	83	37	63.4	5	10017154
K34-070	70	85	22.5	70.4	5	10017155
K34-070/1	70	90	30	70.4	5	10017157
K34-080	80	100	30	80.4	5	10017158
K34-080/1	80	95	22.5	80.4	5	10017160
K34-085	85	95	22.5	85.4	5	10017161
K34-090	90	110	30	90.4	5	10017162
K34-100	100	120	30	100.4	7	10017164
K34-110	110	130	32.5	110.4	7	10017167
K34-115	115	130	30	115.7	7	10017169
K34-115/1	115	125	22.5	115.7	7	10017170
K34-120	120	140	30	120.7	7	10017171
K34-125	125	145	29.6	125.7	7	10017173
K34-140	140	155	22.5	140.7	7	10017175
K34-140/1	140	160	30	140.7	7	10017176
K34-140/2	140	160	28	140.7	7	10017178
K34-160	160	180	28	160.7	7	10017179
K34-180	180	205	35	180.7	7	10017180
K34-200	200	225	35	200.7	7	10017181
K34-220	220	240	22.5	220.7	10	10017184
K34-220/1	220	245	35	220.7	10	10017185
K34-260	260	280	30	260.7	10	10017187
K34-260/1	260	285	35	260.7	10	10017188