K84
Static Seal



K84 static seal is a double-acting sealing element manufactured from thermoplastic polyurethane, designed to provide sealing on its outer diameter under high-pressure conditions.

Advantages
- Good sealing effect
- High extrusion resistance
- Simple installation
- Suitable for o-ring installation groove with or without backup ring

Application
- High pressure applications
- Cranes
- Construction machinery
- Injection moulding machines
- Standard industrial cylinders

Operating Conditions

PRESSURE (bar):	600 bar (max)		
TEMPERATURE (°C):	-35/+100 °C	+5/+50 °C	-30/+40 °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

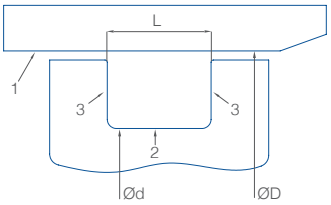
Static Seal	Remarks
Polyurethane-PU9401	Standard produced material code

Note: In the special application conditions (temperature, media, etc.) Can be produced from different materials. You can refer to Table 2.10 for details or you can contact our sales department.

Installation Information

Before installation, it should be ensured that the groove surfaces are proper and have no corrosion. It is important that there are no burrs or nicks in the surfaces. It is recommended to use installation tools without sharp edges.

Surface Roughness

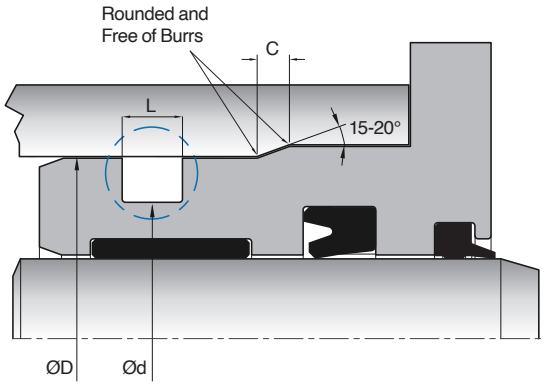


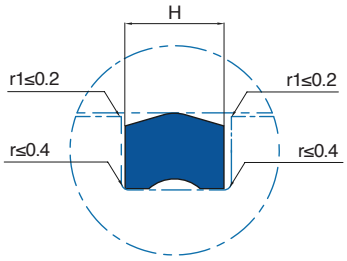
	1 (boru)	2 (groove base)	3 (groove flanks)
Ra	0.1-0.8 µm	0.2-1.6 µm	0.2-6.3 µm
Rmax	< 3.2 µm	< 6.3 µm	< 16 µm

Extrusion Gap «S»

For pressure values up to 600 bar and applications up to Ø800 diameter, it is recommended to tolerate the bore diameter as H7 and the rod diameter as f7. In applications larger than Ø800, the extrusion gap value should not exceed 0.12 mm.

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KASTAŞ NO	D (H8)	d (h8)	L (+0.25/-0)	H	C	KASTAŞ CODE
K84-014	14	11	2.6	2.1	2.5	10029021
K84-016	16	13	2.6	2.1	2.5	10029025
K84-017	17	14	3.5	2.9	2.5	10029026
K84-019	19	16	3.5	2.9	2.5	10029027
K84-020	20	16.2	3.2	2.7	2.5	10029029
K84-023	23	18.8	5	4.4	2.5	10029032
K84-024	24	20	3.3	2.8	2.5	10029033
K84-025	25.4	20.15	3.85	3.3	3	10029034
K84-026	26	21.4	3.9	3.4	2.5	10029035
K84-030	30	25.4	3.9	3.4	2.5	10029036
K84-032	32	27.4	3.9	3.4	2.5	10029037
K84-032/1	32	28	3.4	2.9	2.5	10029038
K84-033	33	29.2	3.2	2.7	2.5	10029039
K84-035	35	30.4	3.9	3.4	2.5	10029040
K84-038	38	35	3	2.5	2.5	10029041
K84-040	40	33.5	4.8	4.1	3	10029042
K84-040/1	40	32.8	3.4	2.9	3	10029044
K84-040/2	40	36	3.4	2.9	2.5	10029045
K84-040/3	40	35	3.9	3.4	3	10029046
K84-041	41	37	3.4	2.9	2.5	10029047
K84-042	42.5	37.5	3.7	3.2	3	10029049
K84-045	45	39.5	4.5	3.9	3	10029050
K84-050	50	44.4	6.2	5.4	3	10029051
K84-050/1	50	44.4	4.8	4.2	3	10029052
K84-050/2	50	45.4	3.9	3.4	2.5	10029053
K84-051	51	46.4	3.9	3.4	2.5	10029055
K84-051/2	51	45.5	4.5	3.9	3	10029057
K84-052	52.5	48	3.6	3.1	2.5	10029058
K84-056	56	51.4	3.9	3.4	2.5	10029059
K84-056/1	56	50.5	4.5	3.9	3	10029060
K84-057	57	52	4	3.5	3	10029061
K84-060	60	52.2	5.8	5	3.5	10029062
K84-060/1	60	53.7	5.2	4.5	3.5	10029063
K84-060/2	60	54.6	6.2	5.4	2.5	10029064
K84-061	61	55.5	4.5	3.9	2.5	10029066
K84-063	63	57.4	6.2	5.4	2.5	10029067
K84-063/1	63	57.5	4.5	3.9	2.5	10029069
K84-064	64	58.5	4.5	3.9	2.5	10029070
K84-064/1	64	57.9	4.85	4.2	3.5	10029071
K84-065	65	57.2	5.8	5	3.5	10029073
K84-065/1	65	59.4	4.6	4	2.5	10029074
K84-066	66	60.5	4.5	3.9	2.5	10029075



KASTAŞ NO	D (H8)	d (h8)	L (+0.25/-0)	H	C	KASTAŞ CODE
K84-070	70	64.4	6.2	5.4	2.5	10029076
K84-070/1	70	64.5	4.5	3.9	2.5	10029078
K84-071	71	65.5	4.5	3.9	2.5	10029079
K84-071/1	71	64.7	4.85	4.2	3.5	10029080
K84-075	75	69.6	6.5	5.6	2.5	10029083
K84-076	76	70.5	4.5	3.9	2.5	10029084
K84-080	80	74.6	6.5	5.6	2.5	10029085
K84-080/1	80	74.5	4.5	3.9	2.5	10029086
K84-080/2	80.5	75	4.5	3.9	2.5	10029087
K84-081	81	73.2	5.8	5	3.5	10029088
K84-081/1	81	75.5	4.5	3.9	3	10029089
K84-085	85	80.8	5	4.4	2.5	10029091
K84-086	86	79.7	5.2	4.5	3.5	10029092
K84-088	88	83.4	4	3.5	2.5	10029093
K84-090	90	80.1	7.8	6.8	4	10029095
K84-090/1	90	84.5	4.5	3.9	3	10029096
K84-090/2	90.5	81.5	7	6.1	4	10029097
K84-091	91	85.6	4.5	3.9	3	10029098
K84-091/2	91	84.8	5.2	4.5	3.5	10029100
K84-095	95.5	87.7	5.8	5	3.5	10029101
K84-095/1	95	86.4	9	7.8	4	10029102
K84-095/3	95	88.4	7	6	3.5	10029104
K84-100	100	90	7.8	6.8	4	10029105
K84-100/1	100	91.4	9	7.8	4	10029106
K84-100/2	100	93.7	5.2	4.5	3.5	10029107
K84-100/3	100	90.3	9.3	8.1	4	10029108
K84-100/4	100	90.2	9.4	8.2	4	10029109
K84-100/5	100	90	5	4.4	4	10029110
K84-100/7	100.5	91.5	7	6.1	4	10029112
K84-101	101	94.7	5.2	4.5	3.5	10029114
K84-101/1	101	93	7.4	6.4	4	10029115
K84-101/3	101	93	6.5	5.6	4	10029117
K84-105	105	95.1	7.8	6.8	4	10029118
K84-110	110	101.4	9	7.8	4	10029121
K84-110/1	110	103.7	5.2	4.5	3.5	10029122
K84-111	111	103	6.5	5.6	4	10029123
K84-115	115	108.8	5.9	5.1	3.5	10029124
K84-115/1	115	105	5	4.4	4	10029126
K84-116	116	109.7	5.2	4.5	3.5	10029127
K84-116/1	116	108	6.5	5.6	4	10029128
K84-120	120	112	6.5	5.6	4	10029129
K84-120/1	120	110.8	8	7	4	10029130
K84-121	121	115.5	4.5	3.9	3	10029131
K84-121/3	121	113	6.5	5.6	4	10029133
K84-124	124	114	7.3	6.4	4	10029134
K84-125	125	116.4	9	7.8	4	10029135
K84-125/1	125	118.7	5.2	4.5	3.5	10029137
K84-126	126	118	6.5	5.6	4	10029138
K84-128	128	122.6	4.5	3.9	3	10029139
K84-130	130	123.7	5.2	4.5	3.5	10029140
K84-130/1	130	120.6	7.9	6.9	4	10029141
K84-131	131	121.1	7.8	6.8	4	10029142
K84-134	134	124.6	7.9	6.9	4	10029143
K84-135	135	128	5.5	4.7	3.5	10029144
K84-135/1	135	126	9.1	7.9	4	10029146
K84-135/2	135	125	7.3	6.4	4	10029147



KASTAŞ NO	D (H8)	d (h8)	L (+0.25/-0)	H	C	KASTAŞ CODE
K84-136	136	125.8	9.3	8.1	5	10029148
K84-140	140	134.1	5.9	5.1	3	10029149
K84-140/1	140	133.7	5.2	4.5	3.5	10029150
K84-140/4	140	130.8	9	7.8	4	10029153
K84-141	141	131.1	7.8	6.8	4	10029154
K84-145	145	139.1	5.9	5.1	3	10029156
K84-150	150	141.9	9.2	8	4	10029158
K84-150/1	150	143.7	5.2	4.5	3.5	10029159
K84-150/2	150	140.7	9.5	8.3	4	10029160
K84-156	156	148.8	4.5	3.9	3.5	10029161
K84-160	160	150	8.4	7.3	4	10029162
K84-160/1	160	153.7	5.2	4.5	3.5	10029163
K84-160/2	160	149.4	8.6	7.5	5	10029164
K84-162	162	154	8.2	7.1	4	10029165
K84-164	164	154	8	7	4	10029166
K84-165	165	155	8.4	7.3	4	10029167
K84-165/1	165	158.6	6.1	5.3	3.5	10029168
K84-170	170	160	8.4	7.3	4	10029169
K84-175	175	165	8.4	7.3	4	10029170
K84-180	180	170	8.4	7.3	4	10029171
K84-180/1	180	171.4	6.9	6	4	10029173
K84-183	183	175	8.5	7.3	4	10029176
K84-185	185	175	8.4	7.3	4	10029177
K84-186	186	176	8	7	4	10029178
K84-190	190	180	8.4	7.3	4	10029179
K84-195	195	185	8.4	7.3	4	10029180
K84-200	200	191.4	9	7.8	4	10029181
K84-200/1	200	190	8.4	7.3	4	10029182
K84-200/2	200	191.4	6.9	6	4	10029183
K84-200/3	200	191	9.3	8.1	4	10029184
K84-205	205	195	8.4	7.3	4	10029185
K84-210	210	200	8.4	7.3	4	10029186
K84-215	215	205	8.4	7.3	4	10029187
K84-220	220	210	8.4	7.3	4	10029188
K84-222	222	214	8	6.9	4	10029189
K84-225	225	215	8.4	7.3	4	10029190
K84-230	230	220	8.4	7.3	4	10029191
K84-230/1	230	222	8.5	7.3	4	10029192
K84-235	235	225	8.4	7.3	4	10029193
K84-240	240	231.4	9	7.8	4	10029194
K84-250	250	238.4	12.3	10.7	5	10029195
K84-252	252	242	8.4	7.3	4	10029196
K84-255	255	240	12.9	11.4	6	10029197
K84-275	275	263.4	12.3	10.7	5	10029198
K84-280	280	271.4	9	7.8	4	10029199
K84-286	286	263	12	10.4	7	10029200
K84-300	300	283	16.3	14.5	7	10029201
K84-305	305	290	12.9	11.4	6	10029202
K84-307	307	292	12.9	11.4	6	10029203
K84-320	320	308.4	12.3	10.7	5	10029204
K84-350	350	333	16.3	14.5	7	10029205
K84-355	355	340	12.9	11.4	6	10029206