K11
Wiper



K11 dust seals are designed for use in harsh and demanding hydraulic applications. Manufactured from thermoplastic elastomer material, they feature an integrated scraper function that effectively removes contaminants from the rod surface.

Advantages

- Long service life
- Wide range of media resistance
- Good scrapping effect
- High mechanical properties

Application

- Mining industry
- Presses
- Cylinders that work in open air environment
- Mobile machinery

Operating Conditions

MOTION:	Linear		
SPEED (m/s):	4 m/s (max)		
TEMPERATURE (°C):	-40/+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

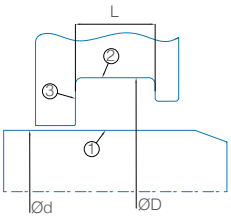
Wiper	Remarks
Thermoplastic Elastomer-TP5501	Standard produced material code

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

Installation Information

It can be easily mounted into the closed housing.
It is very important that the assembly tools must be of soft material and have no sharp edges.
It is important to clean the housing prior to installation.
Split groove design is recommended for applications where the rod diameter is less than 40 mm.

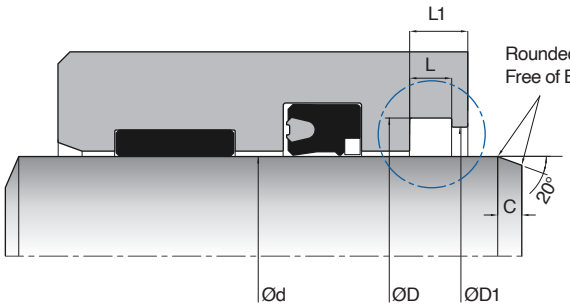
Surface Roughness

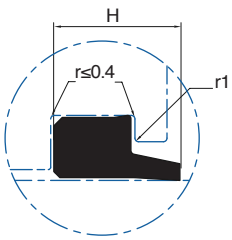


	1 (rod)	2 (groove base)	3 (groove flanks)
Ra	*** µm	0.2-1.6 µm	0.2-3.2 µm
Rmax	*** µm	< 6.3 µm	< 16 µm

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

K11 Wiper





KASTAŞ NO	d (f8)	D (H10)	D1 (H11)	L (+0.2/-0)	L1	H	r1	KASTAŞ CODE
K11-020	20	28	25.5	5	8	8	0.2	10002125
K11-022	22	30	27.5	5	8	8	0.2	10002126
K11-025	25	33	30.5	5	8	8	0.2	10002127
K11-028	28	36	33.5	5	8	8	0.2	10002129
K11-030	30	38	35.5	5	8	8	0.2	10002130
K11-032	32	40	37.5	5	8	8	0.2	10002131
K11-035	35	43	40.5	5	8	8	0.2	10002132
K11-036	36	44	41.5	5	8	8	0.2	10002133
K11-038	38.1	47.54	44.45	4.76	7.15	7.15	0.2	10002134
K11-040	40	48	45.5	5	8	8	0.2	10002136
K11-040/1	40	50.6	43.6	5.3	7	7	0.2	10002137
K11-044	44.45	53.97	50.67	4.76	7.15	7.15	0.2	10002138
K11-045	45	55.6	48.8	5.3	7	7	0.2	10002139
K11-045/1	45	53	50.5	5	8	8	0.2	10002140
K11-048	48	60	55	5	10	10	0.2	10002141
K11-050	50	60.6	53.9	5	7	7	0.2	10002142
K11-050/1	50	58.6	53	5.3	7	7	0.2	10002143
K11-050/2	50	58	55.5	5	8	8	0.2	10002144
K11-055	55	65.6	58.8	5.3	7	7	0.4	10002145
K11-056	56	66	62	6	9	9	0.4	10002146
K11-060/1	60	70.6	65.2	5.3	9	9	0.4	10002149
K11-060/3	60	70	66	5.3	7	7	0.4	10002151
K11-060/4	60	70	67	6.3	10	10	0.4	10002152
K11-063	63	73.6	66.8	5	7	7	0.4	10002153
K11-063/1	63.5	76.12	70.2	6.35	9.52	9.52	0.4	10002154
K11-063/2	63	73	70	6.3	10	10	0.4	10002155
K11-065	65	75	72	6.3	10	10	0.4	10002156
K11-065/1	65	75.6	68	5.3	7	7	0.4	10002157
K11-070	70	80	76	6	9	9	0.4	10002158
K11-070/1	70	80.6	73.6	5.3	7	7	0.4	10002159
K11-070/3	70	82.2	76	7.2	12	12	0.4	10002160
K11-075	75	87.2	81	7.2	12	12	0.4	10002161
K11-080	80	90	86	6	9	9	0.4	10002162
K11-080/1	80	92.2	86	7.2	12	12	0.4	10002163
K11-080/2	80	90	86	6.3	10	10	0.4	10002164
K11-085	85	98	92	7.5	11.5	11.5	0.4	10002165
K11-090	90	100	96	6	9	9	0.6	10002166
K11-090/1	90	102.2	96	7.2	12	12	0.6	10002167
K11-090/2	90	100	96	6.3	10	10	0.6	10002168
K11-095	95	107.2	101	7.2	12	12	0.6	10002169
K11-100	100	112.2	106	7.2	12	12	0.6	10002170
K11-100/1	100	115	110	9.5	14	14	0.6	10002171
K11-105	105	120	112	7.2	12	12	0.6	10002172
K11-110	110	125	120	9.5	14	14	0.6	10002174



KASTAŞ NO	d (f8)	D (H10)	D1 (H11)	L (+0.2/-0)	L1	H	r1	KASTAŞ CODE
K11-110/1	110	122.2	116	7.2	12	12	0.6	10002175
K11-114	114.3	133.35	123.45	9.52	14.27	14.27	0.6	10002176
K11-115	115	127.2	121	7.2	12	12	0.6	10002177
K11-120	120	132.2	126	7.2	12	12	0.6	10002178
K11-125	125	140	135	9.5	14	14	0.6	10002180
K11-125/1	125	140	135	10.2	16	16	0.6	10002181
K11-130	130	142.2	136	7.2	12	12	0.6	10002182
K11-135	135	150	144.3	9.5	14	14	0.6	10002184
K11-140	140	155	150	9.5	14	14	0.6	10002185
K11-140/1	140	155	147.5	10.2	16	16	0.6	10002186
K11-145	145	153.6	148	5.2	7	7	0.6	10002188
K11-150	150	165	158.6	10.2	12	12	0.6	10002189
K11-150/1	150	166	161	8	12	12	0.6	10002190
K11-150/2	150	165	158.6	7.2	12	12	0.6	10002191
K11-150/3	150	162.2	156	7.7	12	12	0.6	10002192
K11-160	160	175	167	10.2	16	16	0.6	10002194
K11-160/1	160	172	166	7.7	12	12	0.6	10002195
K11-160/2	160	175	170	9.5	14	14	0.6	10002196
K11-170	170	182.2	176	7.7	12	12	0.6	10002197
K11-170/1	170	185	178	9.5	14	14	0.6	10002198
K11-180	180	200	190	10.2	18	18	0.6	10002199
K11-180/2	180	195	190	9.5	14	14	0.6	10002201
K11-185	185	205	195	10.2	18	18	0.6	10002202
K11-185/2	185	200	192.6	10.2	16	16	0.6	10002204
K11-190	190	205	200	9.5	14	14	0.6	10002205
K11-190/1	190	210	200	10.2	18	18	0.6	10002206
K11-195	195	210	202.5	9.8	16	16	0.6	10002207
K11-200	200	220	210	10.2	18	18	0.8	10002208
K11-200/1	200	208.6	203	5.3	7	7	0.8	10002209
K11-200/2	200	215	206	9.5	14	14	0.8	10002210
K11-210	210	230	220	10.2	18	18	0.8	10002211
K11-210/1	210	225	216	9.5	14	14	0.8	10002212
K11-215	215	237	225.4	10	18	18	0.8	10002214
K11-220	220	240	230	12.5	18	18	0.8	10002215
K11-220/1	220	235	227.6	10.2	16	16	0.8	10002216
K11-230	230	250	240	10.2	18	18	0.8	10002218
K11-230/1	230	245	237	9.5	14	14	0.8	10002219
K11-235	235	255	245	10.2	18	18	0.8	10002220
K11-240	240	260	250	10.2	18	18	0.8	10002221
K11-240/1	240	255	246	9.5	14	14	0.8	10002222
K11-245	245	265	258.5	12.5	18	18	0.8	10002223
K11-250	250	270	263.5	12.5	18	18	0.8	10002224
K11-260	260	280	270.5	9.8	18	18	0.8	10002225
K11-270	270	286	280.7	7.5	12	12	0.8	10002228
K11-280	280	300	290	10.2	15	15	0.8	10002229
K11-280/1	280	295	288	9.5	14	14	0.8	10002230
K11-285	285	305	298.5	12.5	18	18	0.8	10002231
K11-290	290	310	300	10.2	18	18	0.8	10002232
K11-295	295	315	305	12.5	18	18	0.8	10002234
K11-300	300	316	308	7.5	12	12	0.8	10002235
K11-320	320	340	330	10.2	18	18	0.8	10002236
K11-340	340	360	350	10.2	18	18	0.8	10002237
K11-345	345	365	355	10.2	18	18	0.8	10002238
K11-400	400	420	410	10.2	18	18	0.8	10002239
K11-450	450	470	460	10.2	18	18	0.8	10002259