



K37 is a two piece single acting rod seal which consists of a reinforced cotton fabric and nitrile rubber vulcanized together forming an integral sealing element and one thermoplastic back-up ring.

PRODUCT ADVANTAGES

- Functions well even with poor surfaces
- Reinforced cotton fabric base prevents the seal from extrusion
- Good sealing effect at low pressures
- Improved sealing gap due to the active back-up ring

APPLICATION

Mining equipment, after market, mobile hydraulics, presses and standard cylinders.

MATERIAL		CODE
NBR	80 SHORE A	NB8001
COTTON FABRIC NBR		NB8008
POM		PM9901

OPERATING CONDITIONS

MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	-30°C +105°C	+5°C +60°C	-30°C +60°C
PRESSURE	≤400 Bar	≤400 Bar	≤400 Bar
SPEED	≤0.5 m/sec	≤0.5 m/sec	≤0.5 m/sec

Note: The above data are maximum values and cannot be used at the same time.

SURFACE ROUGHNESS

		Ra	Rmax
Sliding Surface	Ød	≤0.4 µm	≤3.2 µm
Groove Base	ØD	≤1.8 µm	≤6.3 µm
Groove Flanks	B	≤3.2 µm	≤16 µm

Note: It is recommended to have 50% to 90% of the working surface material contact area value.

INSTALLATION

K37 is to be assembled into open grooves. 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.

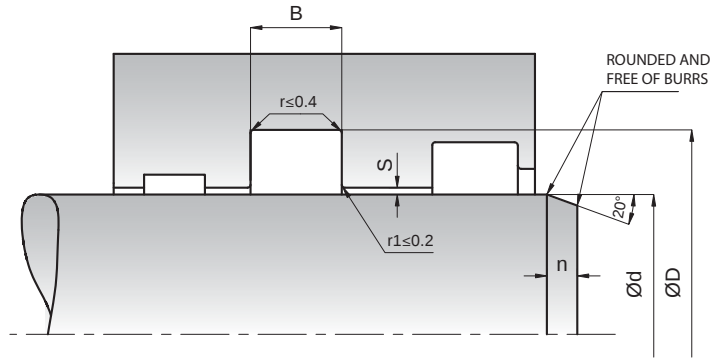
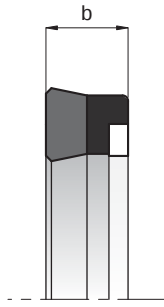
NOTES

The permissible sealing gap values of K37 rod seal is given in the below table.

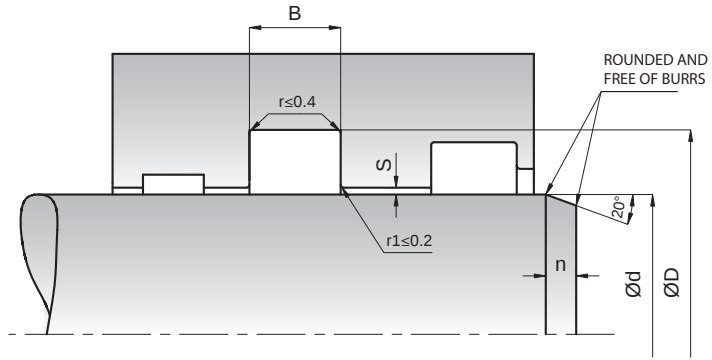
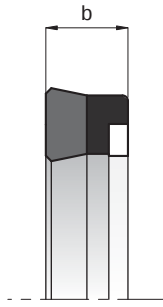
PERMISSIBLE SEALING GAP

Pressure (Bar)	Smax (mm)
150	0.4
250	0.3
400	0.2

Note: The largest sealing gap value occurring on the non-pressurized side of the seal does have a vital importance for the function of the seal and in this respect it is quite important to use the S value lower than the above indicated numbers.

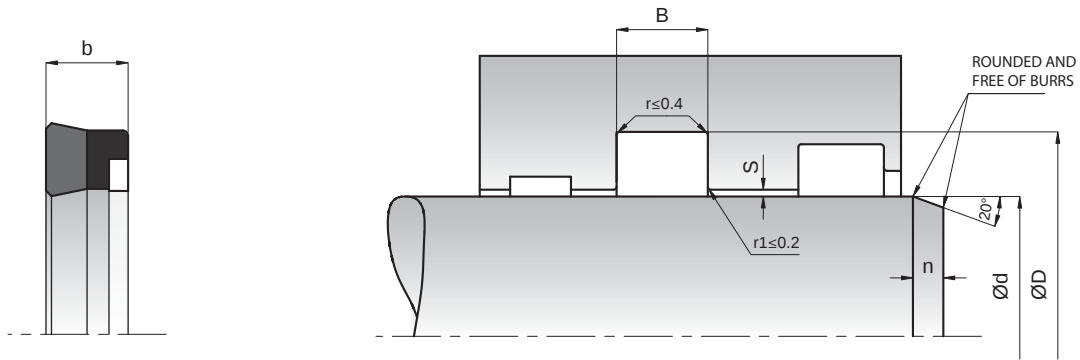


KASTAŞ NO	d (f8)	D (H9)	B (-0/+0.2)	b	n
K37-006	6	14	6.5	6.2	5
K37-012	12	23	7.5	7.2	5
K37-015	15	27	7	6.7	5
K37-016	16	28	7.5	7.2	5
K37-018	18	26	6.3	6	5
K37-018/1	18	28	6.3	6	5
K37-018/2	18	30	7.5	7.2	5
K37-020	20	30	8	7.7	5
K37-020/1	20	27	6	5.7	5
K37-020/2	20	28	6.3	6	5
K37-020/3	20	28	7	6.7	5
K37-020/4	20	30	8.5	8.2	5
K37-022	22	32	7.5	7.2	5
K37-022/1	22	29	5	4.7	5
K37-022/2	22	30	7	6.7	5
K37-022/3	22	32	10	9.7	5
K37-022/4	22	34	9.5	9.2	5
K37-022/5	22	35	10	9.7	5
K37-025	25	38	9.5	9.2	5
K37-025/1	25	33	6	5.7	5
K37-025/2	25	35	8	7.7	5
K37-025/3	25	33	6.4	6.1	5
K37-025/4	25	35	9	8.7	5
K37-025/5	25	38	10	9.7	5
K37-025/6	25.4	38.1	10	9.7	5
K37-028	28	38	8	7.7	5
K37-028/1	28	41	9.5	9.2	5
K37-028/2	28	36	6.5	6.2	5
K37-028/3	28	40	9.5	9.2	5
K37-028/4	28	41	10	9.7	5
K37-028/5	28.57	39.68	9.25	8.95	5
K37-030	30	40	10.5	10.2	5
K37-030/1	30	38	6.5	6.2	5
K37-030/2	30	40	7	6.7	5
K37-030/3	30	40	7.5	7.2	5
K37-030/4	30	45	9	8.7	5
K37-030/5	30	50	14.5	14.2	5
K37-031	31.75	47.62	11.6	11.3	5
K37-032	32	40	9	8.7	5
K37-032/1	32	42	11	10.7	5
K37-032/2	32	45	10	9.7	5
K37-034	32.92	50.8	8.5	8.2	5
K37-035	35	45	10.5	10.2	5
K37-035/1	35	50	10.5	10.2	5
K37-035/2	35	45	10	9.7	5
K37-035/3	35	50	11.5	11.2	5
K37-035/4	35	43	6	5.7	5
K37-036	36	43	6.5	6.2	5
K37-036/1	36	44	6.4	6.1	5



KASTAŞ NO	d (f8)	D (H9)	B (-0/+0.2)	b	n
K37-036/2	36	46	8.5	8.2	5
K37-036/3	36	48	12	11.7	5
K37-036/4	36	48	9.5	9.2	5
K37-038	38	55	10.5	10.2	5
K37-038/1	38.1	50.8	10	9.7	5
K37-038/2	38.1	53.97	10.5	10.2	5
K37-040	40	50	10.5	10.2	5
K37-040/1	40	55	10.5	10.2	5
K37-040/2	40	50	11	10.7	5
K37-040/3	40	48	6.5	6.2	5
K37-040/4	40	55	11	10.7	5
K37-040/5	40	50	10	9.7	5
K37-040/6	40	50	8	7.7	5
K37-040/7	40	55	8	7.7	5
K37-040/8	40	60	14.5	14.2	5
K37-042	42	52	9	8.7	5
K37-044	44.45	53.97	7.14	6.84	5
K37-044/1	44.45	53.97	7.62	7.32	5
K37-044/2	44.45	60.32	11.6	11.3	5
K37-045	45	55	10.5	10.2	5
K37-045/1	45	60	10.5	10.2	5
K37-045/2	45	55	11	10.7	5
K37-045/3	45	55	8	7.7	5
K37-045/4	45	55	7.5	7.2	5
K37-045/5	45	57	10	9.7	5
K37-045/6	45	65	14.5	14.2	5
K37-050	50	65	10.5	10.2	5
K37-050/1	50	62	10	9.7	5
K37-050/2	50	60	10.5	10.2	5
K37-050/3	50	60	10	9.7	5
K37-050/4	50	65	11	10.7	5
K37-050/5	50	62	8	7.7	5
K37-050/7	50	60	7.5	7.2	5
K37-050/8	50	60	8	7.7	5
K37-050/9	50	70	14.5	14.2	5
K37-054	54	66	9.5	9.2	5
K37-055	55	65	10.5	10.2	5
K37-055/1	55	65	12	11.7	5
K37-055/2	55	65	11	10.7	5
K37-055/3	55	75	14	13.7	5
K37-055/4	55	65	8	7.7	5
K37-055/5	55	70	10.5	10.2	5
K37-055/6	55	75	14.5	14.2	5
K37-056	56	66	10.5	10.2	5
K37-056/1	56	71	10.5	10.2	5
K37-056/2	56	76	14.5	14.2	5
K37-057	57.15	69.85	10	9.7	5
K37-060	60	70	10.5	10.2	5
K37-060/1	60	70	12.5	12.2	5

KASTAŞ NO	d (f8)	D (H9)	B (-0/+0.2)	b	n
K37-060/2	60	80	14	13.7	5
K37-060/11	60	80	14.5	14.2	5
K37-060/3	60	75	13	12.7	5
K37-060/4	60	75	12.5	12.2	5
K37-060/5	60	69.5	7	6.7	5
K37-060/6	60	70	11	10.7	5
K37-060/7	60	70	8	7.7	5
K37-060/8	60	70	13	12.7	5
K37-060/9	60	72	10	9.7	5
K37-063/1	63	75	11	10.7	5
K37-063/2	63	78	12.5	12.2	5
K37-063/3	63.5	83	14.5	14.2	5
K37-063/4	63.5	82.55	14.28	13.98	5
K37-063/5	63.5	76.2	8.5	8.2	5
K37-063/6	63.5	77.78	11.5	11.2	5
K37-065	65	80	12.5	12.2	5
K37-065/1	65	75	12.5	12.2	5
K37-065/2	65	75	13.5	13.2	5
K37-065/3	65	77	9.6	9.3	5
K37-065/4	65	80	11.5	11.2	5
K37-070	70	80	12.5	12.2	5
K37-070/1	70	85	12	11.7	5
K37-070/2	70	85	12.5	12.2	5
K37-070/3	70	90	14	13.7	5
K37-070/4	70	80	8	7.7	5
K37-070/5	70	80	13	12.7	5
K37-070/6	70	82	10.5	10.2	5
K37-070/7	70	84	12.5	12.2	5
K37-075	75	85	12.5	12.2	5
K37-075/1	75	90	11	10.7	5
K37-075/2	75	85	11	10.7	5
K37-075/3	75	90	11.5	11.2	5
K37-075/4	75	90	12.8	12.5	5
K37-075/5	75	95	14.5	14.2	5
K37-080	80	90	12.5	12.2	5
K37-080/1	80	100	12.5	12.2	5
K37-080/2	80	100	14	13.7	5
K37-080/3	80	95	12	11.7	5
K37-080/4	80	93	14.5	14.2	5
K37-080/5	80	96	10.5	10.2	5
K37-080/6	80	100	12	11.7	5
K37-080/7	80	100	14.5	14.2	5
K37-080/8	80	95	10	9.7	5
K37-085	85	100	12.5	12.2	5
K37-085/1	85	95	8	7.7	5
K37-085/2	85	100	12	11.7	5
K37-085/3	85	105	14.5	14.2	5
K37-088	88.9	114.3	19.5	19.2	5
K37-090	90	105	12.5	12.2	5
K37-090/1	90	110	12.5	12.2	5
K37-090/2	90	105	9.5	9.2	5
K37-090/4	90	106.5	10.8	10.5	5
K37-095	95	106.2	11	10.7	5
K37-095/1	95	112	12	11.7	5
K37-095/2	95	115	14.5	14.2	5
K37-100	100	115	12.5	12.2	7
K37-100/1	100	120	14	13.7	7
K37-100/2	100	125	19	18.7	7
K37-100/3	100	120	24.5	24.2	7
K37-100/4	100	115	11.5	11.2	7
K37-100/5	100	120	12	11.7	7
K37-100/6	100	120	14.5	14.2	7
K37-105	105	115	11	10.7	7
K37-105/1	105	125	12.5	12.2	7
K37-110	110	130	12.5	12.2	7



KASTAŞ NO	d (f8)	D (H9)	B (-0/+0.2)	b	n
K37-110/1	110	125	12	11.7	7
K37-110/2	110	135	15.5	15.2	7
K37-120	120	130	10.5	10.2	7
K37-120/1	120	132.7	10	9.7	7
K37-120/2	120	135	12.5	12.2	7
K37-120/3	120	140	12.5	12.2	7
K37-120/4	120	145	18.8	18.5	7
K37-125	125	150	14	13.7	7
K37-125/1	125	150	14.5	14.2	7
K37-130	130	145	13	12.7	7
K37-130/1	130	145	15	14.7	7
K37-130/2	130	150	16	15.7	7
K37-135	135	150	14	13.7	7
K37-135/1	135	160	14	13.7	7
K37-140	140	160	12	11.7	7
K37-140/1	140	155	13	12.7	7
K37-140/2	140	160	14.5	14.2	7
K37-140/3	140	160	12.5	12.2	7
K37-140/4	140	170	22.8	22.5	7
K37-145	145	157.7	10	9.7	7
K37-150	150	170	14	13.7	7
K37-150/1	150	170	14.5	14.2	7
K37-160	160	175	16	15.7	7
K37-160/1	160	180	14.5	14.2	7
K37-175	175	200	23	22.7	7
K37-180	180	200	14.5	14.2	7
K37-180/1	180	210	20.5	20.2	7
K37-190	190	210	14.5	14.2	7
K37-198	198	208	12	11.7	7
K37-200	200	220	14.5	14.2	10
K37-210	210	240	22.5	22.2	10
K37-220	220	250	20.5	20.2	10
K37-230	230	260	20.5	20.2	10
