



K36 is a single acting piston - rod seal which consists of reinforced cotton fabric and nitrile rubber vulcanized together forming an integral sealing element.

PRODUCT ADVANTAGES

- Functions even with poor surfaces
- Reinforced cotton fabric base prevents the seal from extrusion
- Both rod and piston application
- Good sealing at low pressures

APPLICATION

Low to medium duty hydraulic cylinders, mobile hydraulics and presses.

MATERIAL	CODE
NBR	80 SHORE A NB8001
COTTON FABRIC NBR	NB8008

OPERATING CONDITIONS			
MEDIA	Mineral oils	HFA and	HFC
	(DIN 51524)	HFB	
TEMPERATURE	-30°C	+5°C	-30°C
	+105°C	+60°C	+60°C
PRESSURE	≤250 Bar	≤250 Bar	≤250 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-Ød	≤0.4 µm
Groove Base	Ødp-ØDb	≤1.8 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

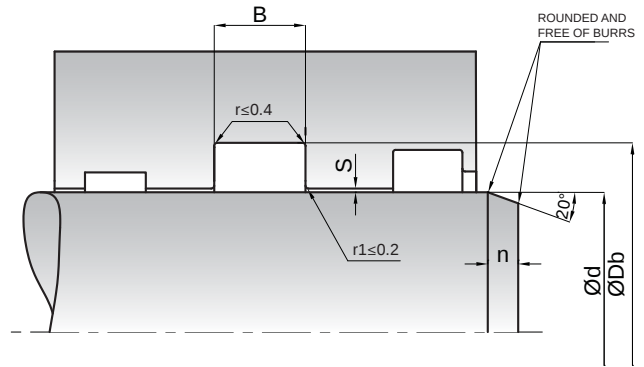
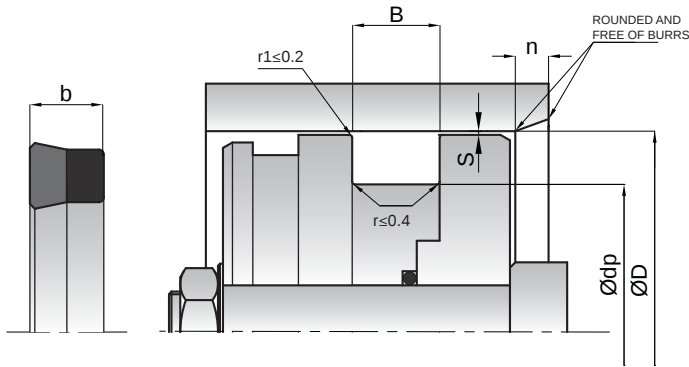
K36 is to be assembled into open grooves. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation the sealing element must be oiled with system oil.

NOTES

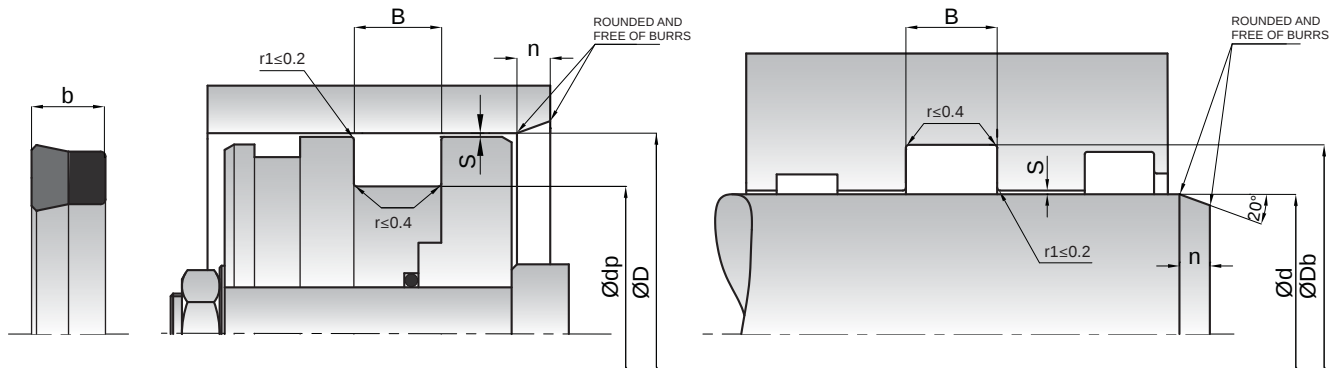
The permissible sealing gap values of K36 piston - rod seal is given in the below table.

PERMISSIBLE SEALING GAP	
Pressure (Bar)	S (mm)
150	0.2
250	0.1

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 (h9)/dp (f8)	Db (H11)/D(H9)	B (-0/+0.2)	b	n
K36-004	4	12	6.3	6	5
K36-010	10	17	6.3	6	5
K36-010/1	10	19	6.3	6	5
K36-012	12	20	6.3	6	5
K36-014	14	22	6.3	6	5
K36-014/1	14	22	7	6.7	5
K36-015	15	23	6.3	6	5
K36-016	16	24	6.3	6	5
K36-016/1	16	24	6.5	6.2	5
K36-016/1	16	24	6.5	6.2	5
K36-016/2	16	24	7	6.7	5
K36-018	18	26	6.3	6	5
K36-018/1	18	24	5.2	4.9	5
K36-019	19.5	27.5	8.3	8	5
K36-020	20	28	6.3	6	5
K36-020/1	20	26	5.5	5.2	5
K36-020/2	20	27	6.5	6.2	5
K36-020/3	20	28	7	6.7	5
K36-020/4	20	30	8.5	8.2	5
K36-022	22	30	6.3	6	5
K36-022/1	22	30	6.5	6.2	5
K36-022/2	22	30	7	6.7	5
K36-022/3	22	32	7.3	7	5
K36-025	25	32	6.3	6	5
K36-025/1	25	33	6.3	6	5
K36-025/2	25	33	6	5.7	5
K36-025/3	25	35	8.3	8	5
K36-025/5	25	35	9	8.7	5
K36-025/7	25.4	31.75	4.76	4.46	5
K36-028	28	36	6.3	6	5
K36-028/1	28	43	11	10.7	5
K36-028/3	28	36	6.4	6.1	5
K36-028/4	28.57	41.27	10	9.7	5
K36-030	30	38	6.3	6	5
K36-030/1	30	38	6	5.7	5
K36-030/2	30	40	6.3	6	5
K36-030/3	30	40	7.5	7.2	5
K36-030/4	30	40	7	6.7	5
K36-030/5	30	50	14.5	14.2	5
K36-030/7	30	37.5	6.5	6.2	5
K36-030/6	30	38	6.4	6.1	5
K36-031	31.75	47.62	11.6	11.3	5
K36-032	32	40	6.3	6	5
K36-032/1	32	44	12.5	12.2	5
K36-035	35	43	6.3	6	5
K36-035/1	35	45	8	7.7	5
K36-035/2	35	43	6	5.7	5
K36-035/4	35	43	6.5	6.2	5
K36-035/5	35	43	7.3	7	5



KASTAŞ NO	db (h9)/dp (f8)	Db (H11)/Dp(H9)	B (-0/+0.2)	b	n
K36-035/6	35	45	7.5	7.2	5
K36-035/3	35	50	11.5	11.2	5
K36-036	36	44	6.3	6	5
K36-036/1	36	51	11	10.7	5
K36-038	38	50	9.5	9.2	5
K36-038/1	38.1	50.8	12.4	12.1	5
K36-040	40	48	6.3	6	5
K36-040/1	40	50	8	7.7	5
K36-040/2	40	48	8	7.7	5
K36-040/7	40	48	7.3	7	5
K36-040/3	40	50	7	6.7	5
K36-040/6	40	50	11	10.7	5
K36-040/5	40	60	14.5	14.2	5
K36-042	42	50	6.3	6	5
K36-045	45	53	8.5	8.2	5
K36-045/1	45	55	8	7.7	5
K36-045/2	45	55	10.5	10.2	5
K36-045/3	45	60	11	10.7	5
K36-045/4	45	57	9.5	9.2	5
K36-045/6	45	53	6.3	6	5
K36-045/5	45	65	14.5	14.2	5
K36-046	46	56	8	7.7	5
K36-048	48	60	10	9.7	5
K36-050	50	62	9.5	9.2	5
K36-050/1	50	60	7.5	7.2	5
K36-050/2	50	60	8	7.7	5
K36-050/3	50	60	10	9.7	5
K36-050/4	50	70	14.5	14.2	5
K36-055	55	65	8	7.7	5
K36-055/1	55	67	10.5	10.2	5
K36-055/3	55	63	8.3	8	5
K36-055/2	55	70	10.5	10.2	5
K36-056	56	66	8	7.7	5
K36-056/1	56	76	14	13.7	5
K36-060	60	70	8	7.7	5
K36-060/1	60	70	7.5	7.2	5
K36-060/2	60	72	9.5	9.2	5
K36-060/3	60	80	12.5	12.2	5
K36-060/4	60	72	10	9.7	5
K36-060/5	60	75	13	12.7	5
K36-060/6	60	80	14.5	14.2	5
K36-063	63.5	82.55	14.28	13.98	5
K36-065	65	73	9.6	9.3	5
K36-065/1	65	77	9.6	9.3	5
K36-070	70	80	7.5	7.2	5
K36-070/1	70	82	9.6	9.3	5
K36-070/2	70	82	9	8.7	5
K36-070/3	70	90	14	13.7	5
K36-070/4	70	85	8	7.7	5

