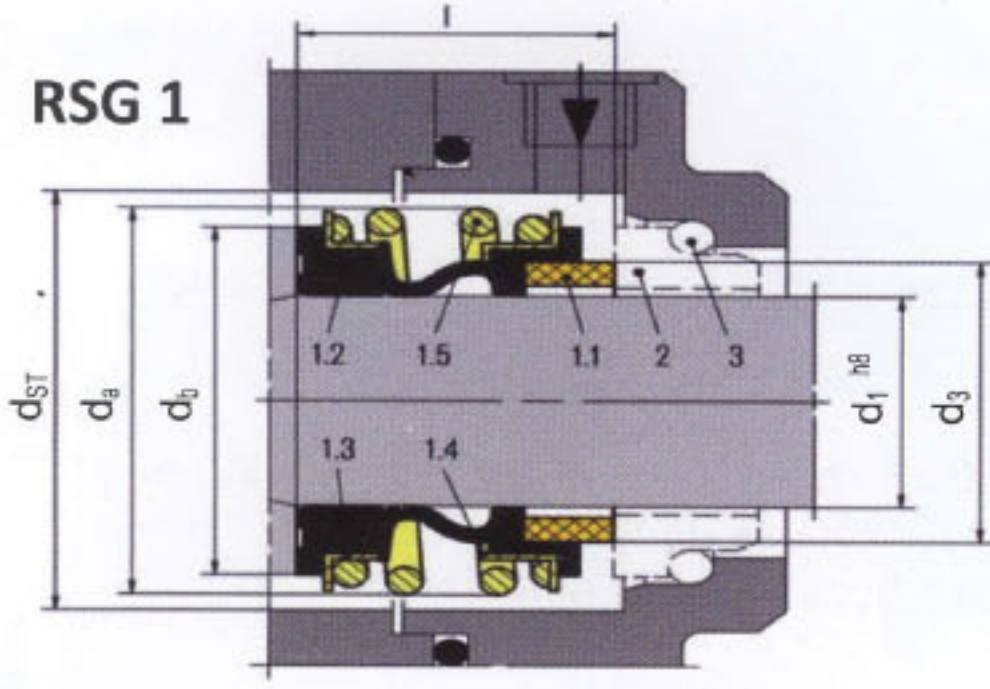




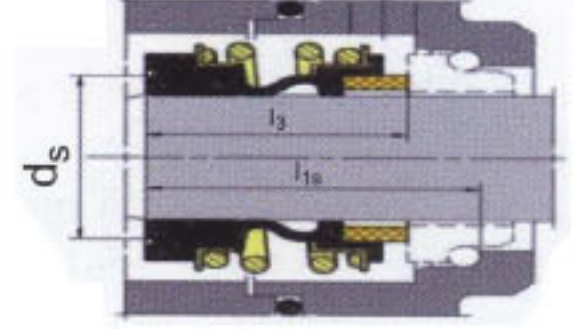
ENDÜSTRİYEL ÜRÜNLER SIZDIRMAZLIK
EKİPMANLARI ve MAKİNA SAN. TİC. LTD. ŞTİ.



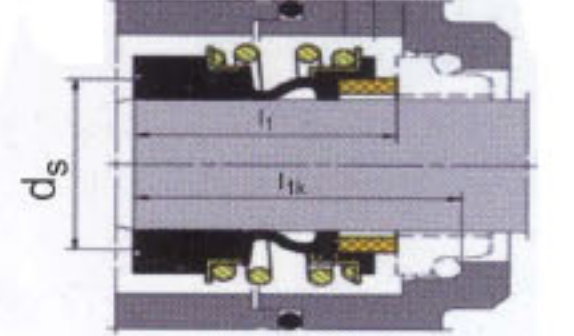
RSG 1



MG-012



MG-013



PARÇA TANIMLAMA

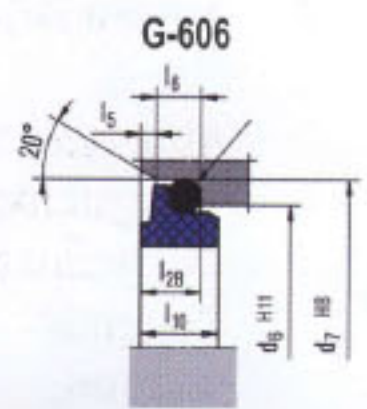
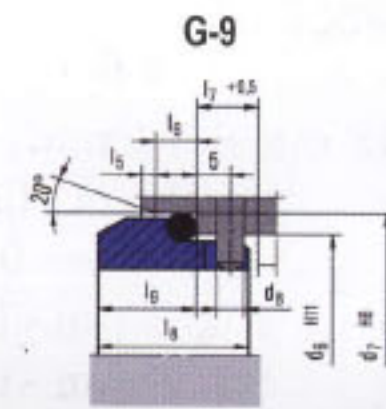
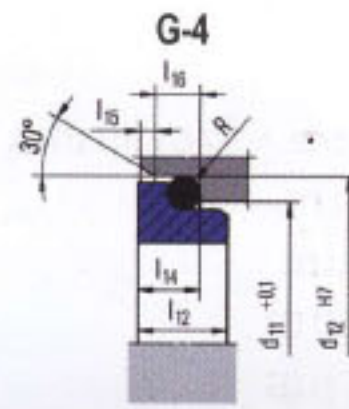
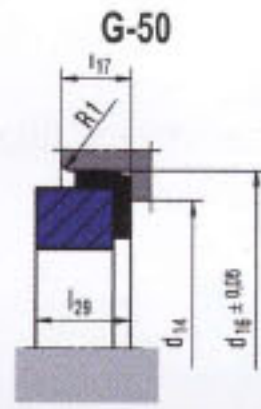
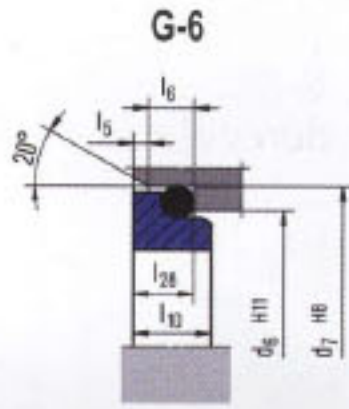
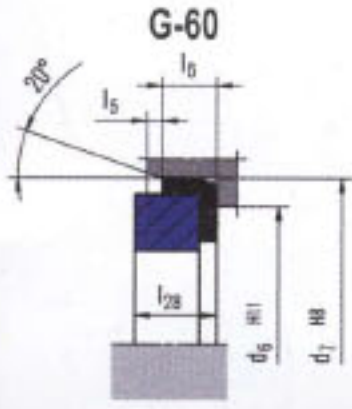
- 1,1 Döner Eleman Yüzeyi
- 1,2 Körük
- 1,3-1,4 Yay Kovanı
- 1,5 Yay
- 2 Sabit Eleman
- 3 O-ring veya L-ring

ÇALIŞMA LİMİTLERİ

- d1 10 - 100 mm
- p 16 (max) bar
- v 0,5 - 1 bar
- t -40 / + 180 °C
- Vg 10 m / sn

YÜZEY SEÇENEKLERİ

- Döner Eleman Yüzey Seçenekleri :**
Karbon, Silisyumkarbür, Tungstenkarbür
- Sabit Eleman Yüzey Seçenekleri :**
Silisyumkarbür, Tungstenkarbür, Seramik, Karbon, Cr-Ni
- Elastomerler :**
Viton (FKM), EPDM, Nitril (NBR)



d ₁	d ₃	d ₆	d ₇	d ₈	d ₁₁	d ₁₂	d ₁₄	d ₁₆	d _a	d _b ^(*)	d _m ^(*)	d _s ^(*)	d _{ST}	l	l ₁	l _{1k}	l _{1N}	l _{1S}	l ₂	l ₃	l ₅	l ₆	l ₇	l ₈	l ₉	l ₁₀	l ₁₂	l ₁₄	l ₁₅	l ₁₆	l ₁₇	l ₂₈	l ₂₉	R
10	15.7	17	21	3	15.5	19.2	11.0	24.60	22.5	20.5	18	18	24	14.5	25.9	32.5	40	34.0	33.4	25	1.5	4	8.5	17.5	10.0	7.5	7.5	6.6	1.2	3.8	7.5	6.6	9.0	1.2
12	17.7	19	23	3	17.5	21.6	13.5	27.80	25.0	22.5	20	20	26	15.0	25.9	32.5	40	34.0	33.4	25	1.5	4	8.5	17.5	10.0	7.5	6.5	5.6	1.2	3.8	7.5	6.6	9.0	1.2
14	19.7	21	25	3	20.5	24.6	17.0	30.95	28.5	26.5	22	22	30	17.0	28.4	35.0	40	35.5	33.4	25	1.5	4	8.5	17.5	10.0	7.5	6.5	5.6	1.2	3.8	9.0	6.6	10.5	1.2
15	20.8	-	-	-	20.5	24.6	17.0	30.95	28.5	26.5	22	22	30	17.0	28.4	-	-	35.5	33.4	25	-	-	-	-	-	-	7.5	6.6	1.2	3.8	9.0	-	10.5	1.2
16	21.0	23	27	3	22.0	28.0	17.0	30.95	28.5	26.5	22	22	30	17.0	28.4	35.0	40	35.5	33.4	25	1.5	4	8.5	17.5	10.0	7.5	8.5	7.5	1.5	5.0	9.0	6.6	10.5	1.5
18	23.7	27	33	3	24.0	30.0	20.0	34.15	32.0	29.0	29	26	33	19.5	30.0	37.5	45	35.5	37.5	25	2.0	5	9.0	19.5	11.5	8.5	9.0	8.0	1.5	5.0	9.0	7.5	10.5	1.5
19	26.7	-	-	-	-	-	20.0	34.15	37.0	33.0	33	28	38	21.5	30.0	-	-	35.5	37.5	25	-	-	-	-	-	-	-	-	-	-	9.0	-	10.5	-
20	26.7	29	35	3	29.5	35.0	21.5	35.70	37.0	33.0	33	28	38	21.5	30.0	37.5	45	35.5	37.5	25	2.0	5	9.0	19.5	11.5	8.5	8.5	7.5	1.5	5.0	9.0	7.5	10.5	1.5
22	27.7	31	37	3	29.5	35.0	23.0	37.30	37.0	33.0	33	28	38	21.5	30.0	37.5	45	35.5	37.5	25	2.0	5	9.0	19.5	11.5	8.5	8.5	7.5	1.5	5.0	9.0	7.5	10.5	1.5
24	31.2	33	39	3	32.0	38.0	26.5	40.50	42.5	38.0	38	32	44	22.5	32.5	40.0	50	35.5	42.5	25	2.0	5	9.0	19.5	11.5	8.5	8.5	7.5	1.5	5.0	9.0	7.5	10.5	1.5
25	31.2	34	40	3	32.0	38.0	26.5	40.50	42.5	38.0	38	32	44	23.0	32.5	40.0	50	35.5	42.5	25	2.0	5	9.0	19.5	11.5	8.5	8.5	7.5	1.5	5.0	9.0	7.5	10.5	1.5
28	35.0	37	43	3	36.0	42.0	29.5	47.65	49.0	44.0	37	37	50	26.5	35.0	42.5	50	45.0	42.5	33	2.0	5	9.0	19.5	11.5	8.5	10.0	9.0	1.5	5.0	10.5	7.5	12.0	1.5
30	37.0	39	45	3	39.2	45.0	32.5	50.80	49.0	44.0	37	37	50	26.5	35.0	42.5	50	45.0	42.5	33	2.0	5	9.0	19.5	11.5	8.5	11.5	10.5	1.5	5.0	10.5	7.5	12.0	1.5
32	40.2	42	48	3	42.2	48.0	32.5	50.80	53.5	46.0	41	41	55	27.5	35.0	42.5	55	45.0	47.5	33	2.0	5	9.0	19.5	11.5	8.5	11.5	10.5	1.5	5.0	10.5	7.5	12.0	1.5
33	40.2	42	48	3	44.2	50.0	36.5	54.00	53.5	46.0	41	41	55	27.5	35.0	42.5	55	45.0	47.5	33	2.0	5	9.0	19.5	11.5	8.5	12.0	11.0	1.5	5.0	10.5	7.5	12.0	1.5
35	43.2	44	50	3	46.2	52.0	36.5	54.00	57.0	50.0	44	44	59	28.5	35.0	42.5	55	45.0	47.5	33	2.0	5	9.0	19.5	11.5	8.5	12.0	11.0	1.5	5.0	10.5	7.5	12.0	1.5
38	46.2	49	56	4	49.2	55.0	39.5	57.15	59.0	53.0	53	47	61	30.0	36.0	45.0	55	45.0	46.0	33	2.0	6	9.0	22.0	14.0	10.0	11.3	10.3	1.5	5.0	10.5	9.0	12.0	1.5
40	48.8	51	58	4	52.2	58.0	42.5	60.35	62.0	55.0	55	49	64	30.0	36.0	45.0	55	45.0	46.0	33	2.0	6	9.0	22.0	14.0	10.0	11.8	10.8	1.5	5.0	10.5	9.0	12.0	1.5
42	51.8	-	-	-	53.3	62.0	46.0	63.50	65.5	58.0	53	53	67	30.0	36.0	-	-	53.0	51.0	41	-	-	-	-	-	-	13.2	12.0	2.0	6.0	10.5	-	12.0	2.5
43	51.8	54	61	4	53.3	62.0	46.0	63.50	65.5	58.0	53	53	67	30.0	36.0	45.0	60	53.0	51.0	41	2.0	6	9.0	22.0	14.0	10.0	13.2	12.0	2.0	6.0	10.5	9.0	12.0	2.5
45	53.8	56	63	4	55.3	64.0	46.0	63.50	68.0	60.0	55	55	70	30.0	36.0	45.0	60	53.0	51.0	41	2.0	6	9.0	22.0	14.0	10.0	12.8	11.6	2.0	6.0	10.5	9.0	12.0	2.5
48	56.8	59	66	4	59.7	68.4	49.0	66.70	70.5	63.0	58	58	74	30.5	36.0	45.0	60	53.0	51.0	41	2.0	6	9.0	22.0	14.0	10.0	12.8	11.6	2.0	6.0	10.5	9.0	12.0	2.5
50	58.8	62	70	4	60.8	69.3	52.0	69.85	74.0	65.0	60	60	77	30.5	38.0	47.5	60	54.5	50.5	41	2.5	6	9.0	23.0	15.0	10.5	12.8	11.6	2.0	6.0	12.0	9.5	13.5	2.5
53	62.2	65	73	4	63.8	72.3	55.5	73.05	78.5	70.0	63	63	81	33.0	36.5	47.5	70	54.5	59.0	41	2.5	6	9.0	23.0	15.0	12.0	13.5	12.3	2.0	6.0	12.0	11.0	13.5	2.5
55	64.2	67	75	4	66.5	75.4	58.5	76.20	81.0	72.0	65	65	83	35.0	36.5	47.5	70	54.5	59.0	41	2.5	6	9.0	23.0	15.0	12.0	14.5	13.3	2.0	6.0	12.0	11.0	13.5	2.5
58	67.2	70	78	4	69.5	78.4	61.5	79.40	85.5	75.0	68	68	88	37.0	41.5	52.5	70	54.5	59.0	41	2.5	6	9.0	23.0	15.0	12.0	14.5	13.3	2.0	6.0	12.0	11.0	13.5	2.5
60	70.0	72	80	4	71.5	80.4	61.5	79.40	88.5	79.0	70	70	91	38.0	41.5	52.5	70	54.5	59.0	41	2.5	6	9.0	23.0	15.0	12.0	14.5	13.3	2.0	6.0	12.0	11.0	13.5	2.5
65	75.0	77	85	4	76.5	85.4	68.0	92.10	93.5	84.0	77	77	96	40.0	41.5	52.5	80	65.0	69.0	49	2.5	6	9.0	23.0	15.0	12.0	14.2	13.0	2.0	6.0	14.5	11.0	16.0	2.5
68	78.0	81	90	4	82.7	91.5	71.0	95.25	96.5	88.0	80	80	100	40.0	41.2	52.5	80	65.0	68.7	49	2.5	7	9.0	26.0	18.0	12.5	14.9	13.7	2.0	6.0	14.5	11.3	16.0	2.5
70	80.0	83	92	4	83.0	92.0	71.0	95.25	99.5	90.0	82	82	103	40.0	48.7	60.0	80	65.0	68.7	49	2.5	7	9.0	26.0	18.0	12.5	14.2	13.0	2.0	6.0	14.5	11.3	16.0	2.5
75	85.5	88	97	4	90.2	99.0	77.5	101.60	107.0	95.0	87	87	110	40.0	48.7	60.0	80	68.0	68.7	52	2.5	7	9.0	26.0	18.0	12.5	15.2	14.0	2.0	6.0	14.5	11.3	16.0	2.5
80	90.5	95	105	4	95.2	104.0	84.0	114.30	112.0	100.0	92	92	116	40.0	48.0	60.0	90	76.0	78.0	56	3.0	7	9.0	26.2	18.2	13.0	16.2	15.0	2.0	6.0	18.5	12.0	20.0	2.5
85	96.0	100	110	4	100.2	109.0	87.0	117.50	120.0	107.0	97	97	124	41.0	46.0	60.0	90	76.0	76.0	56	3.0	7	9.0	26.2	18.2	15.0	16.0	14.8	2.0	6.0	18.5	14.0	20.0	2.5
90	102.0	105	115	4	105.2	114.0	93.5	123.85	127.0	114.0	104	104	131	45.0	51.0	65.0	90	79.0	76.0	59	3.0	7	9.0	26.2	18.2	15.0	16.0	14.8	2.0	6.0	18.5	14.0	20.0	2.5
95	107.0	110	120	4	111.6	120.3	96.5	127.00	132.0	119.0	109	109	136	46.0	51.0	65.0	90	79.0	76.0	59	3.0	7	9.0	25.2	17.2	15.0	17.0	15.8	2.0	6.0	18.5	14.0	20.0	2.5
100	112.0	115	125	4	114.5	123.3	103.0	133.35	137.0	124.0	114	114	140	47.0	51.0	65.0	90	82.0	76.0	62	3.0	7	9.0	25.2	17.2	15.0	17.0	15.8	2.0	6.0	18.5	14.0	20.0	2.5

U.S.M707-M707N-M740N



ENDÜSTRİYEL ÜRÜNLER SIZDIRMAZLIK
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PARÇA TANIMLAMA

- 1,1 Döner Eleman Yüzeyi
- 1,2 Kovan
- 1,3 Pul
- 1,4 Döner Eleman O-ringi
- 1,5 Yay (Yaprak Yay - Kurt Yay)
- 1,6 Setskur
- 2,0 Sabit Eleman
- 3,0 Sabit Eleman O-ringi

ÇALIŞMA LİMİTLERİ

d1 14 - 200 mm

p 25 bar

t -50 / + 220 C

Vg 20 m/sn

Döner Eleman Yüzey Seçenekleri :

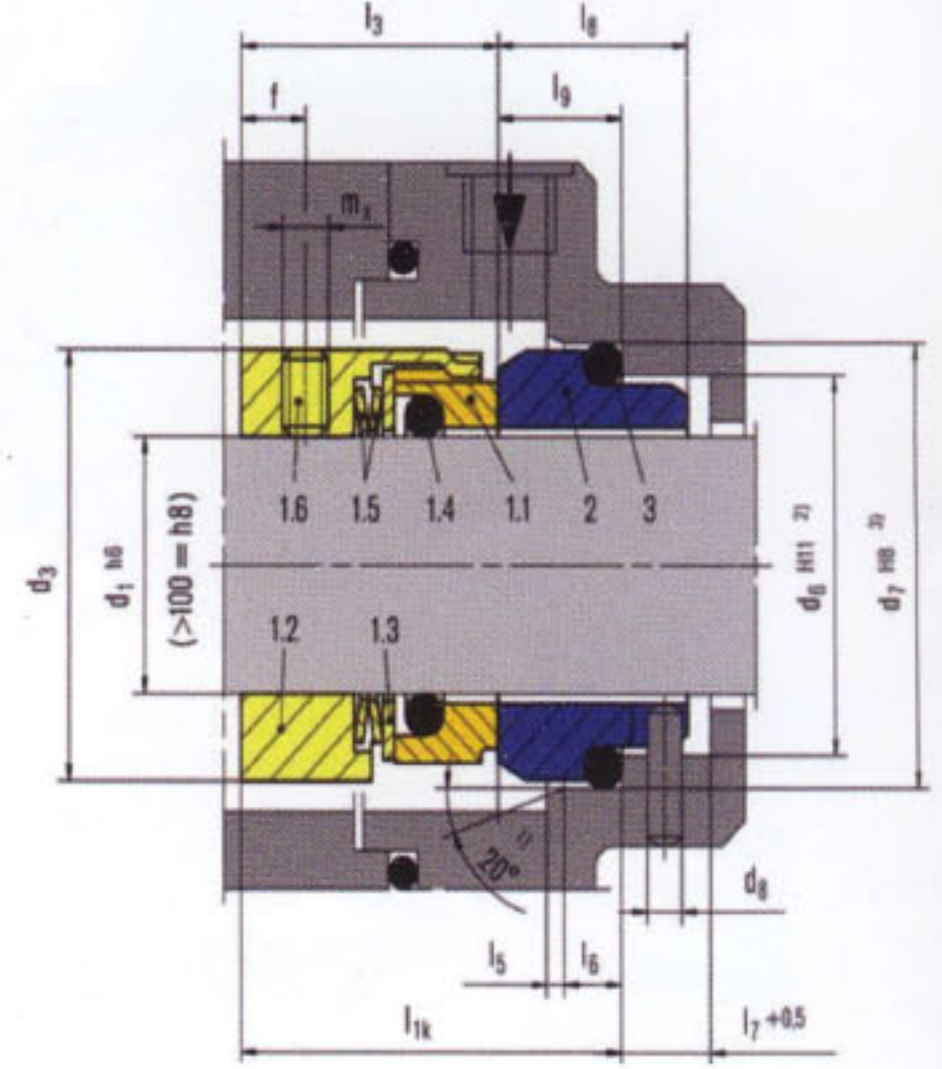
Cr-Ni, Karbon, Sic, Tuc,

Sabit Eleman Yüzey Seçenekleri :

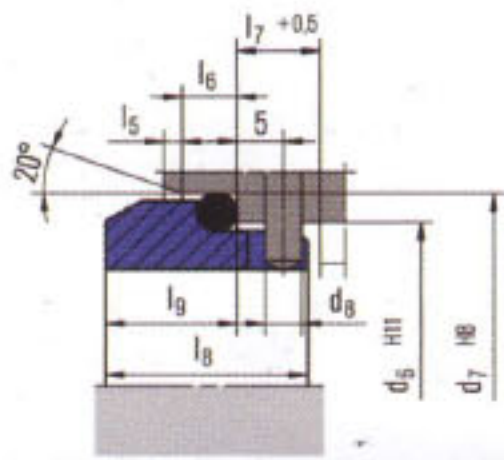
Karbon, Sic, Tuc, Cr-Ni, Seramik

Elastomerler :

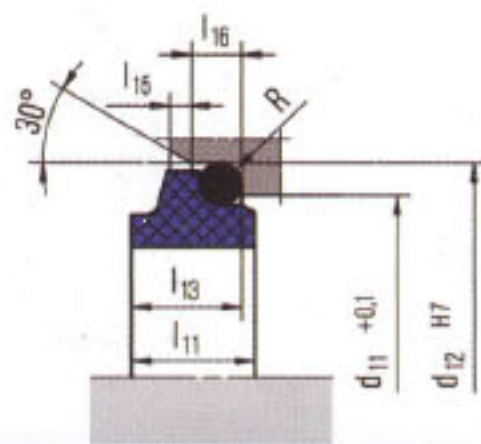
Viton (FKM), EPDM, Nitril (NBR), Silikon



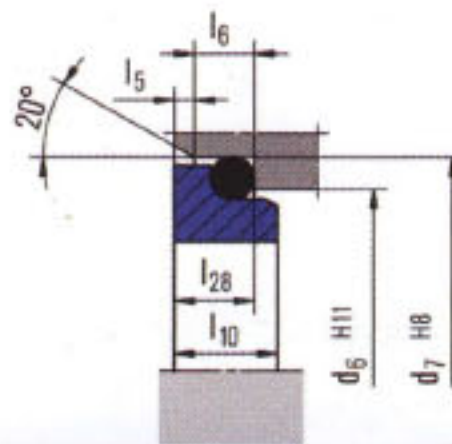
G-9



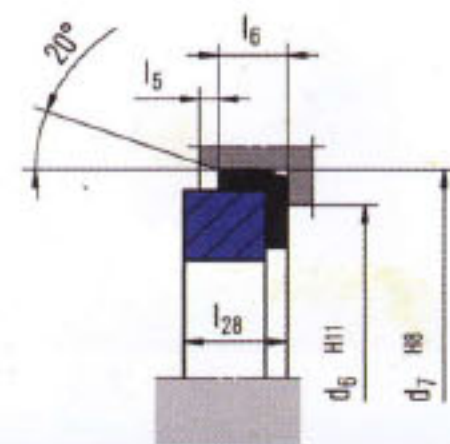
G-13



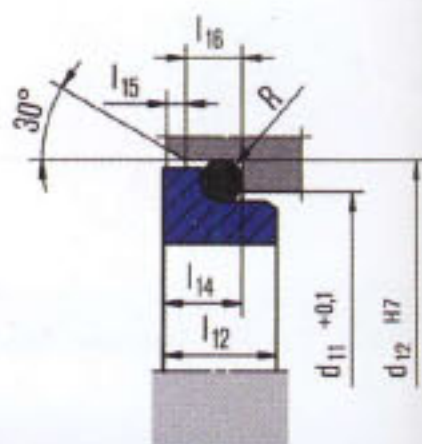
G-6



G-60



G-4



d1	d3	d6	d7	d8	d11	d12	d24	ds	l1k	l3	l5	l6	l7	l8	l9	l10	l11	l12	l13	l14	l15	l16	l28	b	f	mx	u_max.	t	R
14*	25	21.0	25.0	3	20.5	24.6	16	34	35.0	25.0	1.5	4	8.5	17.5	10.0	7.5	10.0	6.5	7.6	5.6	1.2	3.8	6.6	4	6	M5	10	1.5	1.2
16*	27	23.0	27.0	3	22.0	28.0	18	36	35.0	25.0	1.5	4	8.5	17.5	10.0	7.5	11.5	8.5	9.0	7.5	1.2	3.8	6.6	4	6	M5	10	1.5	1.5
18*	33	27.0	33.0	3	24.0	30.0	20	38	37.5	26.0	2.0	5	9.0	19.5	11.5	8.5	12.5	9.0	10.0	8.0	1.5	5.0	7.5	5	7	M5	12	1.1	1.5
20*	35	29.0	35.0	3	29.5	35.0	22	40	37.5	26.0	2.0	5	9.0	19.5	11.5	8.5	12.5	8.5	9.5	7.5	1.5	5.0	7.5	5	7	M5	12	1.1	1.5
22*	37	31.0	37.0	3	29.5	35.0	24	42	37.5	26.0	2.0	5	9.0	19.5	11.5	8.5	12.5	8.5	9.5	7.5	1.5	5.0	7.5	6	7	M5	12	1.5	1.5
24*	39	33.0	39.0	3	32.0	38.0	26	44	40.0	28.5	2.0	5	9.0	19.5	11.5	8.5	12.5	8.5	9.5	7.5	1.5	5.0	7.5	6	8	M5	12	1.5	1.5
25*	40	34.0	40.0	3	32.0	38.0	27	45	40.0	28.5	2.0	5	9.0	19.5	11.5	8.5	12.5	8.5	9.5	7.5	1.5	5.0	7.5	6	8	M5	12	1.5	1.5
28*	43	37.0	43.0	3	36.0	42.0	30	47	42.5	31.0	2.0	5	9.0	19.5	11.5	8.5	14.0	10.0	11.0	9.0	1.5	5.0	7.5	6	8	M6	13	1.5	1.5
30*	45	39.0	45.0	3	39.2	45.0	32	49	42.5	31.0	2.0	5	9.0	19.5	11.5	8.5	14.0	11.5	11.0	10.5	1.5	5.0	7.5	6	8	M6	13	1.5	1.5
32*	47	42.0	48.0	3	42.2	48.0	34	51	42.5	31.0	2.0	5	9.0	19.5	11.5	8.5	14.0	11.5	11.0	10.5	1.5	5.0	7.5	6	8	M6	13	1.5	1.5
33*	48	42.0	48.0	3	44.2	50.0	35	51	42.5	31.0	2.0	5	9.0	19.5	11.5	8.5	14.5	12.0	11.5	10.5	1.5	5.0	7.5	6	8	M6	13	1.5	1.5
35*	50	44.0	50.0	3	46.2	52.0	37	54	42.5	31.0	2.0	5	9.0	19.5	11.5	8.5	14.5	12.0	11.5	11.0	1.5	5.0	7.5	6	8	M6	13	1.5	1.5
38*	55	49.0	56.0	4	49.2	55.0	40	59	45.0	31.0	2.0	6	9.0	22.0	14.0	10.0	14.5	11.3	11.5	10.3	1.5	5.0	9.0	6	8	M6	13	1.5	1.5
40*	57	51.0	58.0	4	52.2	58.0	42	61	45.0	31.0	2.0	6	9.0	22.0	14.0	10.0	14.5	11.8	11.5	10.8	1.5	5.0	9.0	6	8	M6	13	1.5	1.5
43*	60	54.0	61.0	4	53.3	62.0	45	65	45.0	31.0	2.0	6	9.0	22.0	14.0	10.0	17.0	13.2	14.3	12.0	2.0	6.0	9.0	6	8	M6	13	1.5	2.5
45*	62	56.0	63.0	4	55.3	64.0	47	66	45.0	31.0	2.0	6	9.0	22.0	14.0	10.0	17.0	12.8	14.3	11.6	2.0	6.0	9.0	6	8	M6	13	1.5	2.5
48*	65	59.0	66.0	4	59.7	68.4	50	69	45.0	31.0	2.0	6	9.0	22.0	14.0	10.0	17.0	12.8	14.3	11.6	2.0	6.0	9.0	6	8	M6	13	1.5	2.5
50*	67	62.0	70.0	4	60.8	69.3	52	71	47.5	32.5	2.5	6	9.0	23.0	15.0	10.5	17.0	12.8	14.3	11.6	2.0	6.0	9.5	6	8	M6	13	1.5	2.5
53*	70	65.0	73.0	4	63.8	72.3	55	75	47.5	32.5	2.5	6	9.0	23.0	15.0	12.0	17.0	13.5	14.3	12.3	2.0	6.0	11.0	6	8	M6	13	1.5	2.5
55*	72	67.0	75.0	4	66.5	75.4	57	76	47.5	32.5	2.5	6	9.0	23.0	15.0	12.0	18.0	14.5	15.3	13.3	2.0	6.0	11.0	6	8	M6	13	1.5	2.5
58*	79	70.0	78.0	4	69.5	78.4	60	83	52.5	37.5	2.5	6	9.0	23.0	15.0	12.0	18.0	14.5	15.3	13.3	2.0	6.0	11.0	8	9	M8	13	1.9	2.5
60*	81	72.0	80.0	4	71.5	80.4	62	85	52.5	37.5	2.5	6	9.0	23.0	15.0	12.0	18.0	14.5	15.3	13.3	2.0	6.0	11.0	8	9	M8	13	1.9	2.5
63*	84	75.0	83.0	4	74.5	83.4	65	88	52.5	37.5	2.5	6	9.0	23.0	15.0	12.0	18.0	14.2	15.3	13.3	2.0	6.0	11.0	8	9	M8	13	1.9	2.5
65*	86	77.0	85.0	4	76.5	85.4	67	95	52.5	37.5	2.5	6	9.0	23.0	15.0	12.0	18.0	14.2	15.3	13.0	2.0	6.0	11.0	8	9	M8	13	1.9	2.5
68*	89	81.0	90.0	4	82.7	91.5	70	93	52.5	34.5	2.5	7	9.0	26.0	18.0	12.5	19.0	14.9	16.0	13.7	2.0	6.0	11.3	8	9	M8	13	1.9	2.5
70*	91	83.0	92.0	4	83.0	92.0	72	95	60.0	42.0	2.5	7	9.0	26.0	18.0	12.5	18.0	14.2	15.3	13.0	2.0	6.0	11.3	8	9	M8	16	1.9	2.5
75*	99	88.0	97.0	4	90.2	99.0	77	105	60.0	42.0	2.5	7	9.0	26.0	18.0	12.5	18.0	15.2	15.3	14.0	2.0	6.0	11.3	8	10	M8	16	1.9	2.5
80*	104	95.0	105.0	4	95.2	104.0	82	109	60.0	41.8	3.0	7	9.0	26.2	18.2	13.0	19.0	16.2	16.3	15.0	2.0	6.0	12.0	8	10	M8	16	1.9	2.5
85*	109	100.0	110.0	4	100.2	109.0	87	114	60.0	41.8	3.0	7	9.0	26.2	18.2	15.0	19.0	16.0	16.3	14.8	2.0	6.0	14.0	8	10	M8	16	1.9	2.5
90*	114	105.0	115.0	4	105.2	114.0	92	119	65.0	46.8	3.0	7	9.0	26.2	18.2	15.0	19.0	16.0	16.3	14.8	2.0	6.0	14.0	10	10	M8	20	2.3	2.5
95*	119	110.0	120.0	4	111.6	120.3	97	124	65.0	47.8	3.0	7	9.0	25.2	17.2	15.0	20.0	17.0	17.3	15.8	2.0	6.0	14.0	10	10	M8	20	2.3	2.5
100*	124	115.0	125.0	4	114.5	123.3	102	129	65.0	47.8	3.0	7	9.0	25.2	17.2	15.0	20.0	17.0	17.3	15.8	2.0	6.0	14.0	10	10	M8	20	2.3	2.5



PARÇA TANIMLAMA

ÇALIŞMA LİMİTLERİ

YÜZEY SEÇENEKLERİ

1,1	Döner Eleman Yüzeyi	d1	6 - 80 mm
1,2	Döner Eleman O-ringi	p	10 bar
1,3	Pul	t	-40 / + 220 C
1,4	Yay (Sağ - Sol Yönlü)	Vg	15 m/sn
2	Sabit Eleman	Vg	10 m / sn
3	O-ring veya L-ring		

Döner Eleman Yüzey Seçenekleri :

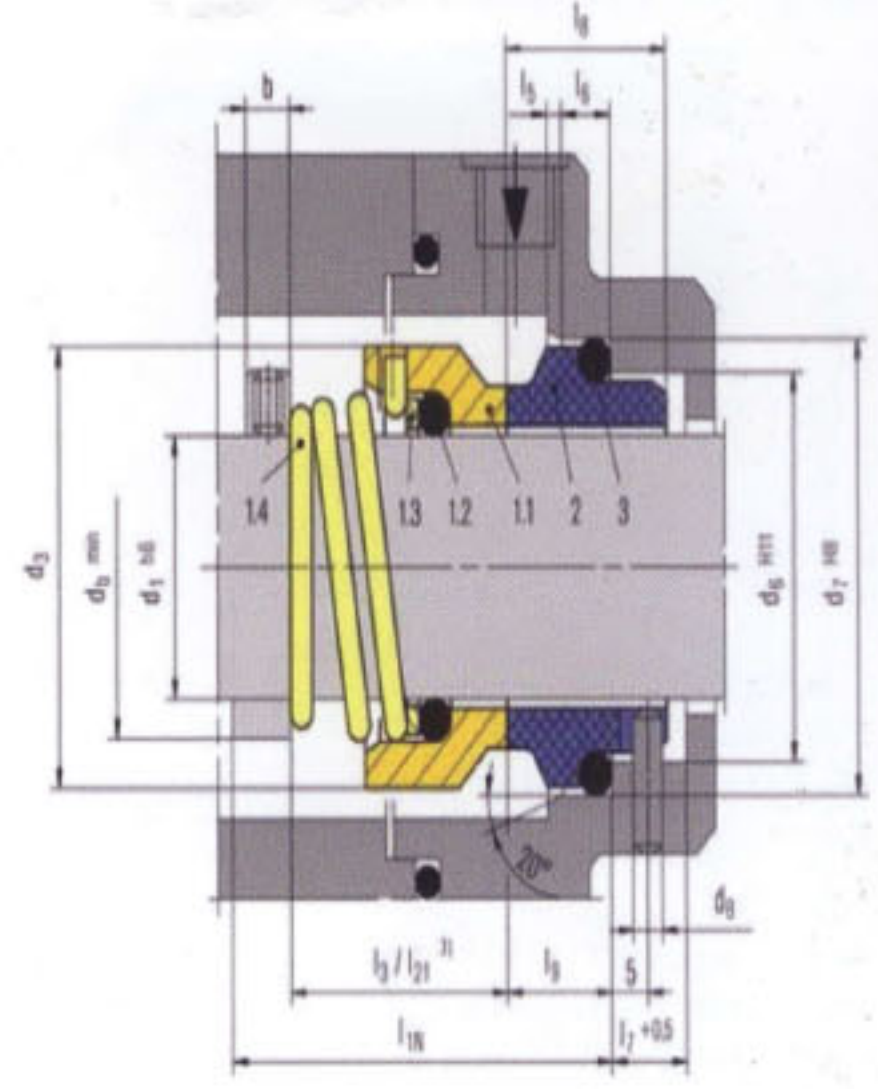
Cr-Ni

Sabit Eleman Yüzey Seçenekleri :

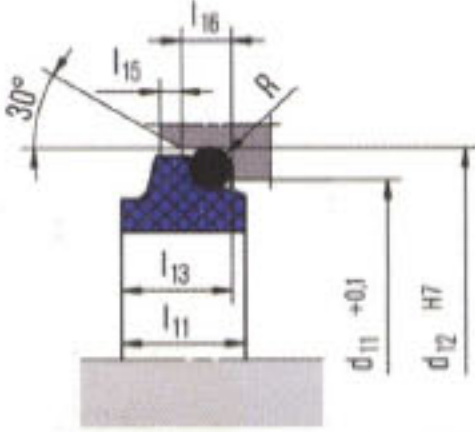
Karbon

Elastomerler :

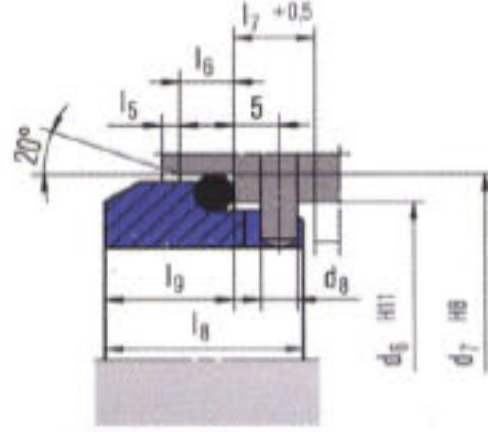
Viton (FKM), EPDM, Nitril (NBR), Silikon



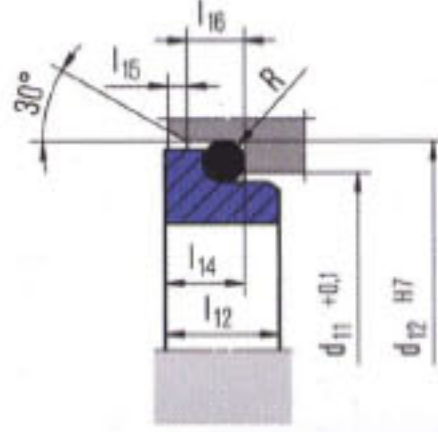
G-13



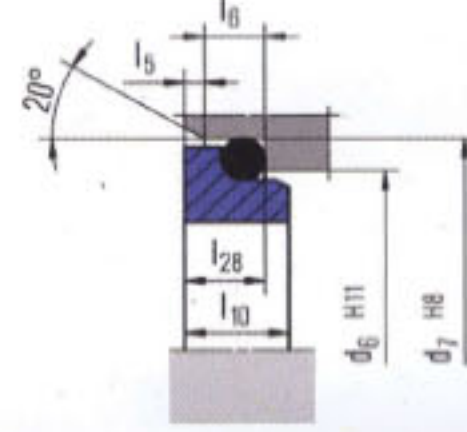
G-9



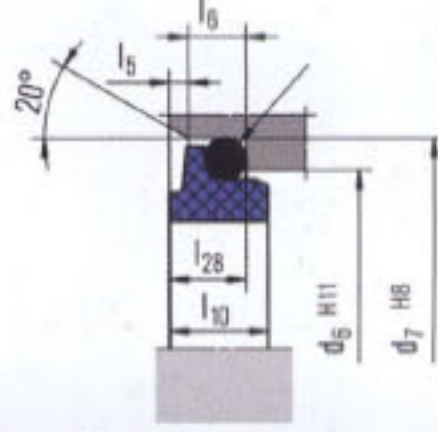
G-4



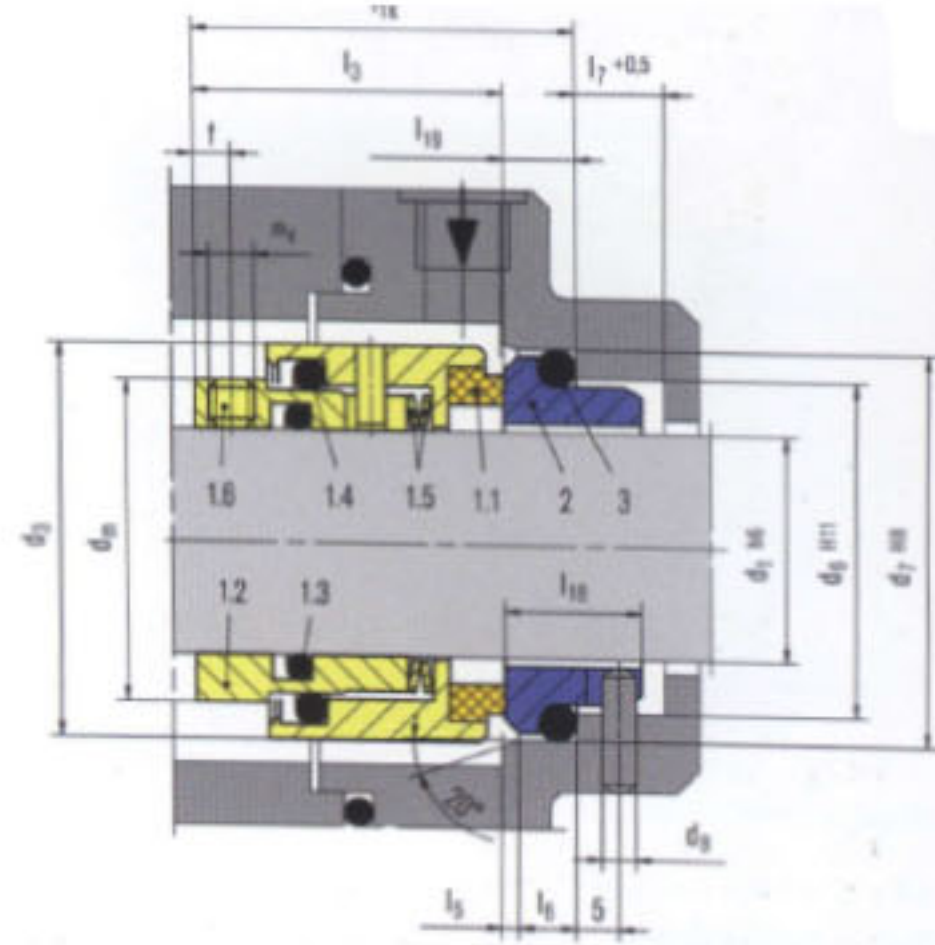
G-6



G-606



d1	d3	d6	d7	d8	d11 ¹⁾	d12 ¹⁾	d13	d6	l1N	l3 ³⁾	l5	l6	l7	l8	l9	l10	l11	l12	l13	l14	l15	l16	l18	l19	l21 ³⁾	l22	l23	l28	b ²⁾	R
6	14	-	-	-	11.5	16.0	16	8	-	-	-	-	-	-	-	-	9.0	6.5	7.1	5.6	1.2	3.8	-	-	10.5	11.9	-	-	-	1.2
8	18	-	-	-	15.5	19.2	18	11	-	-	-	-	-	-	-	-	9.0	8.0	7.1	7.0	1.2	3.8	-	-	15.5	16.9	-	-	-	1.2
10*	19	17	21	3	15.5	19.2	20	13	40	15.5	1.5	4	8.5	17.5	10.0	7.5	9.0	7.5	7.1	6.6	1.2	3.8	-	-	15.5	16.9	-	6.6	(8)	1.2
12*	21	19	23	3	17.5	21.6	22	16	40	16.0	1.5	4	8.5	17.5	10.0	7.5	10.0	6.5	7.6	5.6	1.2	3.8	-	-	15.5	17.4	-	6.6	(8)	1.2
14*	23	21	25	3	20.5	24.6	24	18	40	16.5	1.5	4	8.5	17.5	10.0	7.5	10.0	6.5	7.6	5.6	1.2	3.8	-	-	15.5	17.4	16.5	6.6	(8)	1.2
15	24	-	-	-	20.5	24.6	25	19	-	-	-	-	-	-	-	-	11.0	7.5	8.6	6.6	1.2	3.8	-	-	15.5	17.4	-	-	-	1.2
16*	26	23	27	3	22.0	28.0	26	21	40	18.0	1.5	4	8.5	17.5	10.0	7.5	11.5	8.5	9.0	7.5	1.5	5.0	-	-	17.5	19.5	16.5	6.6	(8)	1.5
18*	29	27	33	3	24.0	30.0	31	23	45	19.5	2.0	5	9.0	19.5	11.5	8.5	12.5	9.0	10.0	8.0	1.5	5.0	15	7	18.5	20.5	18.0	7.5	(8)	1.5
20*	31	29	35	3	29.5	35.0	34	26	45	22.0	2.0	5	9.0	19.5	11.5	8.5	12.5	8.5	9.5	7.5	1.5	5.0	15	7	20.0	22.0	19.0	7.5	(8)	1.5
22*	33	31	37	3	29.5	35.0	36	28	45	21.5	2.0	5	9.0	19.5	11.5	8.5	12.5	8.5	9.5	7.5	1.5	5.0	15	7	21.5	23.5	20.5	7.5	(8)	1.5
24*	35	33	39	3	32.0	38.0	38	30	50	23.5	2.0	5	9.0	19.5	11.5	8.5	12.5	8.5	9.5	7.5	1.5	5.0	15	7	23.0	25.0	22.0	7.5	(8)	1.5
25*	36	34	40	3	32.0	38.0	39	31	50	26.5	2.0	5	9.0	19.5	11.5	8.5	12.5	8.5	9.5	7.5	1.5	5.0	15	7	24.5	26.5	23.5	7.5	(8)	1.5
26	37	-	-	-	34.0	40.0	40	32	-	-	-	-	9.0	-	-	-	13.0	9.0	10.0	8.0	1.5	5.0	-	-	24.5	26.5	23.5	-	-	1.5
28*	40	37	43	3	36.0	42.0	42	35	50	26.5	2.0	5	9.0	19.5	11.5	8.5	14.0	10.0	11.0	9.0	1.5	5.0	15	7	24.5	26.5	24.5	7.5	(8)	1.5
30*	43	39	45	3	39.2	45.0	44	37	50	26.5	2.0	5	9.0	19.5	11.5	8.5	14.0	11.5	11.0	10.5	1.5	5.0	15	7	24.5	25.0	24.5	7.5	(8)	1.5
32*	46	42	48	3	42.2	48.0	46	39	55	28.5	2.0	5	9.0	19.5	11.5	8.5	14.0	11.5	11.0	10.5	1.5	5.0	15	7	28.0	28.5	28.0	7.5	(8)	1.5
33*	47	42	48	3	-	-	47	40	55	28.5	2.0	5	9.0	19.5	11.5	8.5	-	12.0	-	-	-	-	15	7	-	-	-	7.5	(8)	1.5
35*	49	44	50	3	46.2	52.0	49	43	55	28.5	2.0	5	9.0	19.5	11.5	8.5	14.5	12.0	11.5	11.0	1.5	5.0	15	7	28.0	28.5	28.0	7.5	(8)	1.5
38*	53	49	56	4	49.2	55.0	54	45	55	33.5	2.0	6	9.0	22.0	14.0	10.0	14.5	11.3	11.5	10.3	1.5	5.0	16	8	31.0	32.2	31.0	9.0	7.5	1.5
40*	56	51	58	4	52.2	58.0	56	49	55	36.0	2.0	6	9.0	22.0	14.0	10.0	14.5	11.8	11.5	10.8	1.5	5.0	16	8	34.0	34.7	34.0	9.0	(8)	1.5
42	59	-	-	-	53.3	62.0	58	52	-	-	-	-	9.0	-	-	-	17.0	13.2	14.3	12.0	2.0	6.0	-	-	35.0	37.3	35.0	-	-	2.5
43*	59	54	61	4	-	-	59	52	60	38.5	2.0	6	9.0	22.0	14.0	10.0	-	13.2	-	-	2.0	-	16	8	-	-	-	9.0	7.5	2.5
45*	61	56	63	4	55.3	64.0	61	55	60	39.5	2.0	6	9.0	22.0	14.0	10.0	17.0	12.8	14.3	11.6	2.0	6.0	16	8	36.5	39.2	36.5	9.0	(8)	2.5
48*	64	59	66	4	59.7	68.4	64	58	60	46.0	2.0	6	9.0	22.0	14.0	10.0	17.0	12.8	14.3	11.6	2.0	6.0	16	8	42.0	44.7	42.0	9.0	(8)	2.5
50*	66	62	70	4	60.8	69.3	66	61	60	45.0	2.5	6	9.0	23.0	15.0	10.5	17.0	12.8	14.3	11.6	2.0	6.0	17	9.5	43.0	45.7	43.0	9.5	(8)	2.5
53*	69	65	73	4	-	-	69	64	70	47.0	2.5	6	9.0	23.0	15.0	12.0	-	13.5	-	-	-	-	17	9.5	-	-	-	11.0	8.0	2.5
55*	71	67	75	4	66.5	75.4	71	66	70	49.0	2.5	6	9.0	23.0	15.0	12.0	18.0	14.5	15.3	13.3	2.0	6.0	17	9.5	47.0	49.0	47.0	11.0	(8)	2.5
58*	76	70	78	4	69.5	78.4	78	69	70	55.0	2.5	6	9.0	23.0	15.0	12.0	18.0	14.5	15.3	13.3	2.0	6.0	18	10.5	50.0	52.0	50.0	11.0	(8)	2.5
60*	78	72	80	4	71.5	80.4	79	71	70	55.0	2.5	6	9.0	23.0	15.0	12.0	18.0	14.5	15.3	13.3	2.0	6.0	18	10.5	51.0	55.0	51.0	11.0	(8)	2.5
63*	83	75	83	4	-	-	83	74	70	55.0	2.5	6	9.0	23.0	15.0	12.0	-	14.2	-	-	-	-	18	10.5	-	-	-	11.0	(8)	2.5
65*	84	77	85	4	76.5	85.4	85	77	80	55.0	2.5	6	9.0	23.0	15.0	12.0	18.0	14.2	15.3	13.0	2.0	6.0	18	10.5	52.0	54.3	52.0	11.0	(8)	2.5
68*	88	81	90	4	82.7	91.5	88	80	80	55.0	2.5	7	9.0	26.0	18.0	12.5	19.0	14.9	16.0	13.7	2.0	6.0	18.5	11	53.0	55.3	52.7	11.3	(8)	2.5
70*	90	83	92	4	83.0	92.0	90	83	80	57.0	2.5	7	9.0	26.0	18.0	12.5	18.0	14.2	15.3	13.0	2.0	6.0	19	11.5	54.0	56.3	54.0	11.3	(10)	2.5
75*	98	88	97	4	90.2	99.0	98	88	80	62.0	2.5	7	9.0	26.0	18.0	12.5	18.0	15.2	15.3	14.0	2.0	6.0	19	11.5	55.0	56.3	54.0	11.3	(10)	2.5
80*	100	95	105	4	95.2	104.0	103	93	90	61.8	3.0	7	9.0	26.2	18.2	13.0	19.0	16.2	16.3	15.0	2.0	6.0	19	11.5	58.0	59.3	58.0	12.0	10.0	2.5



PARÇA TANIMLAMA

- 1,1 Döner Eleman Yüzeyi
- 1,2 Baskı Bileziği
- 1,3 Mil O-ringi
- 1,4 Kovan O-ringi
- 1,5 Yay (Yaprak Yay - Kurt Yay)
- 1,6 Setskur
- 2,0 Sabit Eleman
- 3,0 Sabit Eleman O-ringi

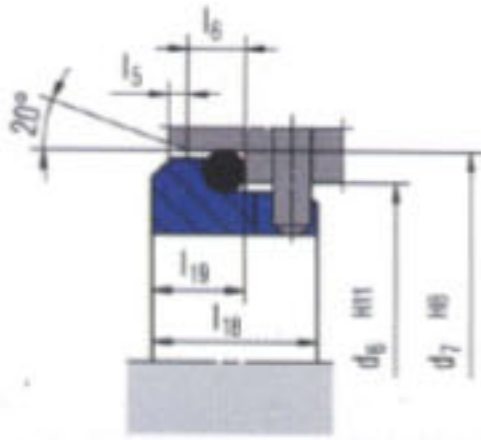
ÇALIŞMA LİMİTLERİ

- d1 18 - 100 mm
- p 25 Bar
- t -50 / +220 °C
- Vg 20 m/sn

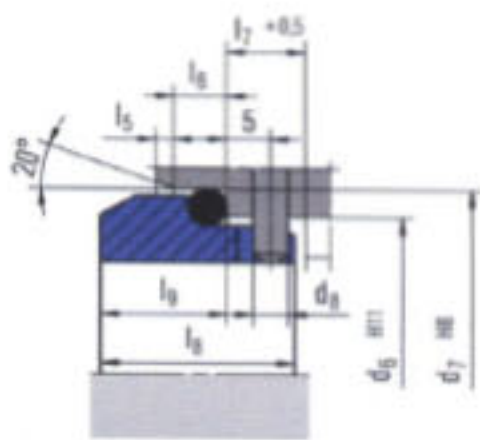
YÜZEY SEÇENEKLERİ

- Döner Eleman Yüzey Seçenekleri :**
Karbon, Sic, Tuc,
- Sabit Eleman Yüzey Seçenekleri :**
Sic, Tuc, Cr-Ni, Seramik
- Elastomerler :**
Viton (FKM), EPDM, Nitril (NBR), Silikon

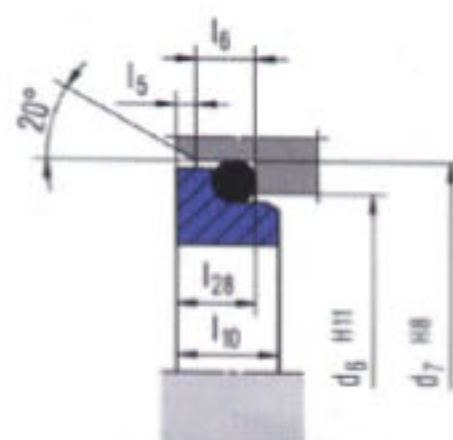
G-16



G-9



G-6



d ₁	d ₃	d ₆	d ₇	d ₈	d _m	l _{1K}	l ₃	l ₅	l ₆	l ₇	l ₁₈	l ₁₉	l ₁₁ ¹⁾	l ₁₂ ²⁾	l ₁₃	l ₃₈	l ₃₉	f	m _x
18	32	27	33	3	26.0	37.5	30.5	2.0	5	9	15.0	7.0	39.5	35.5	28.5	17.0	9.0	3.0	M4
20	34	29	35	3	28.0	37.5	30.5	2.0	5	9	15.0	7.0	39.5	35.5	28.5	17.0	9.0	3.0	M4
22	36	31	37	3	30.0	37.5	30.5	2.0	5	9	15.0	7.0	39.5	35.5	28.5	17.0	9.0	3.0	M4
24	38	33	39	3	32.5	40.0	33.0	2.0	5	9	15.0	7.0	42.0	38.0	31.0	17.0	9.0	3.5	M5
25	39	34	40	3	33.5	40.0	33.0	2.0	5	9	15.0	7.0	42.0	38.0	31.0	17.0	9.0	3.5	M5
28	42	37	43	3	36.5	42.5	35.5	2.0	5	9	15.0	7.0	45.0	40.0	33.0	17.5	9.5	3.5	M5
30	44	39	45	3	38.5	42.5	35.5	2.0	5	9	15.0	7.0	45.0	40.0	33.0	17.5	9.5	3.5	M5
32	47	42	48	3	41.5	42.5	35.5	2.0	5	9	15.0	7.0	45.0	40.0	33.0	17.5	9.5	3.5	M5
33	47	42	48	3	41.5	42.5	35.5	2.0	5	9	15.0	7.0	45.0	40.0	33.0	17.5	9.5	3.5	M5
35	49	44	50	3	43.5	42.5	35.5	2.0	5	9	15.0	7.0	45.0	40.0	33.0	17.5	9.5	3.5	M5
38	54	49	56	4	47.5	45.0	37.0	2.0	6	9	16.0	8.0	47.5	42.5	34.5	18.5	10.5	4.0	M5
40	56	51	58	4	49.5	45.0	37.0	2.0	6	9	16.0	8.0	47.5	42.5	34.5	18.5	10.5	4.0	M5
43	59	54	61	4	52.5	45.0	37.0	2.0	6	9	16.0	8.0	47.5	42.5	34.5	18.5	10.5	4.0	M5
45	61	56	63	4	54.5	45.0	37.0	2.0	6	9	16.0	8.0	47.5	42.5	34.5	18.5	10.5	4.0	M5
48	64	59	66	4	57.5	45.0	37.0	2.0	6	9	16.0	8.0	47.5	42.5	34.5	18.5	10.5	4.0	M5
50	66	62	70	4	59.5	47.5	38.0	2.5	6	9	17.0	9.5	50.0	45.0	35.5	19.5	12.0	4.5	M6
53	69	65	73	4	62.5	47.5	38.0	2.5	6	9	17.0	9.5	50.0	45.0	35.5	19.5	12.0	4.5	M6
55	71	67	75	4	64.5	47.5	38.0	2.5	6	9	17.0	9.5	50.0	45.0	35.5	19.5	12.0	4.5	M6
58	78	70	78	4	68.5	52.5	42.0	2.5	6	9	18.0	10.5	55.0	50.0	39.5	20.5	13.0	4.5	M6
60	80	72	80	4	70.5	52.5	42.0	2.5	6	9	18.0	10.5	55.0	50.0	39.5	20.5	13.0	4.5	M6
63	83	75	83	4	73.5	52.5	42.0	2.5	6	9	18.0	10.5	55.0	50.0	39.5	20.5	13.0	4.5	M6
65	85	77	85	4	75.5	52.5	42.0	2.5	6	9	18.0	10.5	55.0	50.0	39.5	20.5	13.0	4.5	M6
68	88	81	90	4	78.5	52.5	41.5	2.5	7	9	18.5	11.0	55.0	50.0	39.0	21.0	13.5	4.5	M6
70	90	83	92	4	80.5	60.0	48.5	2.5	7	9	19.0	11.5	62.5	57.5	46.0	21.5	14.0	5.0	M6
75	99	88	97	4	89.0	60.0	48.5	2.5	7	9	19.0	11.5	62.5	57.5	46.0	21.5	14.0	5.5	M8
80	104	95	105	4	94.0	60.0	48.5	3.0	7	9	19.0	11.5	62.5	57.5	46.0	21.5	14.0	5.5	M8
85	109	100	110	4	99.0	60.0	48.5	3.0	7	9	19.0	11.5	62.5	57.5	46.0	21.5	14.0	5.5	M8
90	114	105	115	4	104.0	65.0	52.0	3.0	7	9	20.5	13.0	67.5	62.5	49.5	23.0	15.5	5.5	M8
95	119	110	120	4	109.0	65.0	52.0	3.0	7	9	20.5	13.0	67.5	62.5	49.5	23.0	15.5	5.5	M8
100	124	115	125	4	114.0	65.0	52.0	3.0	7	9	20.5	13.0	67.5	62.5	49.5	23.0	15.5	5.5	M8

U.S. H120 N



PARÇA TANIMLAMA

- 1,1 Döner Eleman Yüzeyi
- 1,2 Döner Eleman O-ringi
- 1,3 Pul
- 1,4 Yay (Sağ - Sol Yönlü)
- 1,5 Yay (Yaprak Yay - Kurt Yay)
- 2 Sabit Eleman
- 3 Sabit Eleman O-ringi

ÇALIŞMA LİMİTLERİ

- d1 10-80 mm
- p 25 Bar
- t -50 / +220 °C
- Vg 15 m/sn

YÜZEY SEÇENEKLERİ

Döner Eleman Yüzey Seçenekleri :

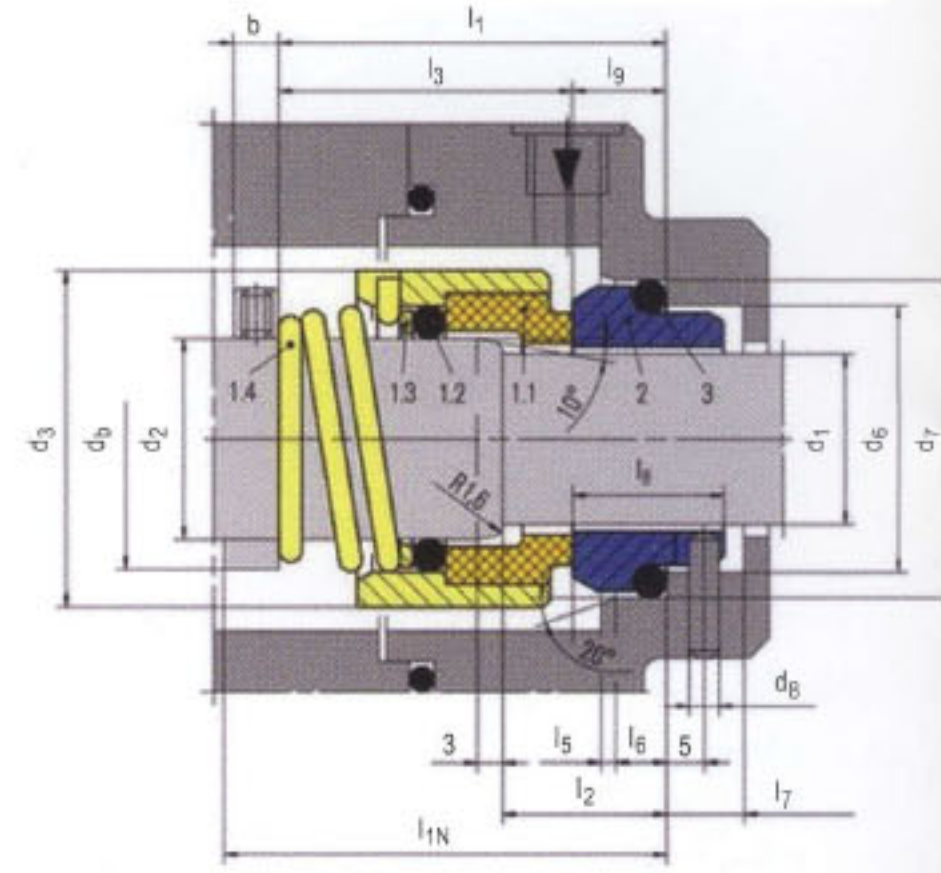
Karbon, Sic, Tuc,

Sabit Eleman Yüzey Seçenekleri :

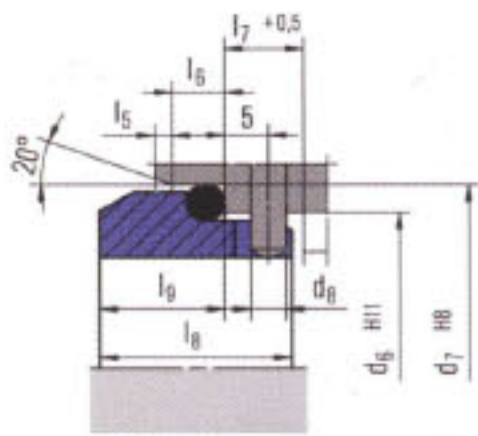
Sic, Tuc, Cr-Ni, Seramik, Karbon

Elastomerler :

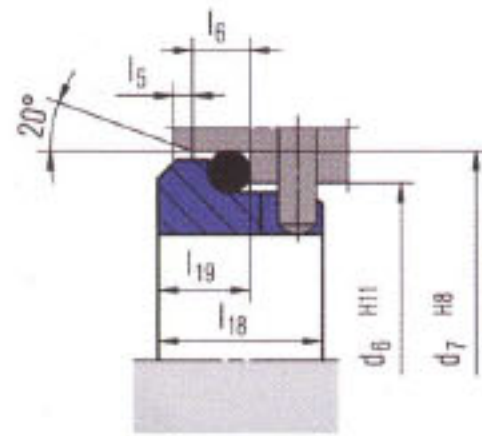
Viton (FKM), EPDM, Nitril (NBR), Silikon



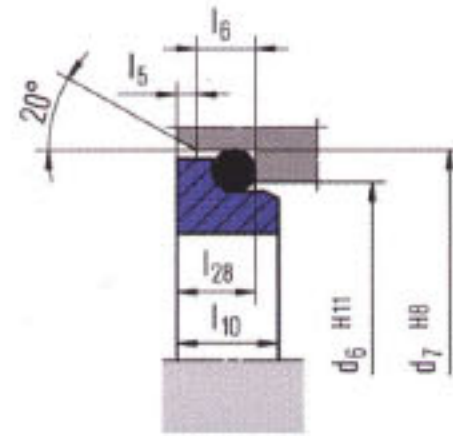
G-9



G-16



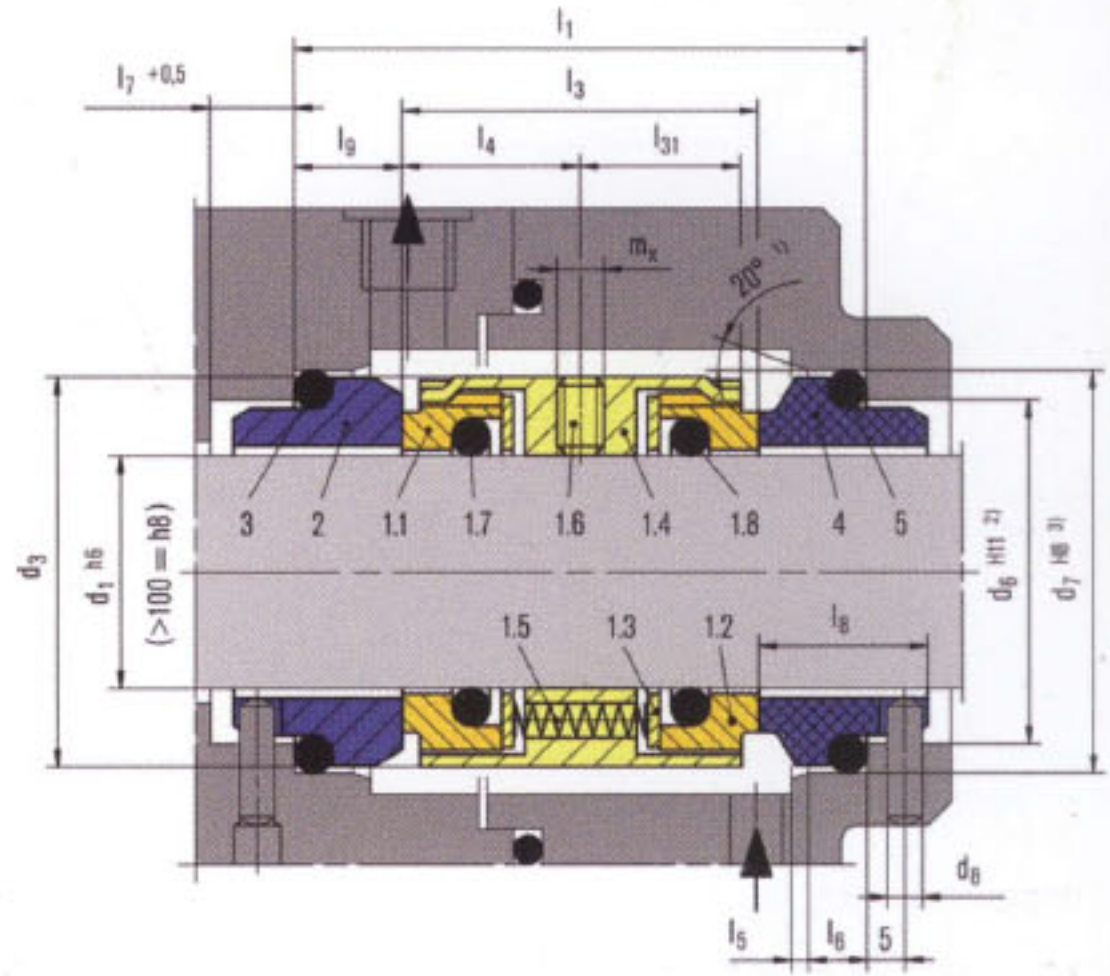
G-6



d ₁	d ₂	d ₃	d ₆	d ₇	d ₈	d ₂₁	d ₂₂	d _b	l _{1N}	l ₁	l ₂	l ₃	l ₅	l ₆	l ₇	l ₈	l ₉	l ₁₈	l ₁₉	l ₃₉	l ₄₀	a	b	e	h ₁	h ₂	k	b' ₁
10	14	24	17	21	3	-	-	18	50	35.5	18	25.5	1.5	4	8.5	17.5	10.0	-	-	-	-	-	5	-	-	-	-	8.0
12	16	26	19	23	3	-	-	21	50	36.5	18	26.5	1.5	4	8.5	17.5	10.0	-	-	-	-	-	5	-	-	-	-	8.0
14	18	31	21	25	3	-	-	23	55	39.5	18	29.5	1.5	4	8.5	17.5	10.0	-	-	-	-	-	6	-	-	-	-	8.0
16	20	34	23	27	3	-	-	26	55	41.0	18	31.0	1.5	4	8.5	17.5	10.0	-	-	-	-	-	6	-	-	-	-	8.0
18	22	36	27	33	3	-	-	28	55	44.0	20	32.5	2.0	5	9.0	19.5	11.5	15	7	-	-	-	6	-	-	-	-	8.0
20	24	38	29	35	3	-	-	30	60	44.0	20	32.5	2.0	5	9.0	19.5	11.5	15	7	-	-	-	6	-	-	-	-	8.0
22	26	40	31	37	3	-	-	31	60	44.0	20	32.5	2.0	5	9.0	19.5	11.5	15	7	-	-	-	6	-	-	-	-	8.0
24	28	42	33	39	3	-	-	35	60	44.0	20	32.5	2.0	5	9.0	19.5	11.5	15	7	-	-	-	6	-	-	-	-	8.0
25	30	44	34	40	3	-	-	37	60	45.0	20	33.5	2.0	5	9.0	19.5	11.5	15	7	-	-	-	6	-	-	-	-	8.0
28	33	47	37	43	3	44.65	50.57	40	65	47.0	20	35.5	2.0	5	9.0	19.5	11.5	15	7	24	8.5	24	6	8	6.6	22.6	9	8.0
30	35	49	39	45	3	47.83	53.75	43	65	47.0	20	35.5	2.0	5	9.0	19.5	11.5	15	7	24.5	9.0	24	6	8	6.6	22.6	9	8.0
32	38	54	42	48	3	47.83	53.75	45	65	51.0	20	39.5	2.0	5	9.0	19.5	11.5	15	7	24.5	9.0	24	6	8	6.6	22.6	9	7.5
33	38	54	42	48	3	47.83	53.75	45	65	51.0	20	39.5	2.0	5	9.0	19.5	11.5	15	7	24.5	9.0	24	6	8	6.6	22.6	9	7.5
35	40	56	44	50	3	51	56.92	49	65	55.0	20	43.5	2.0	5	9.0	19.5	11.5	15	7	24.5	9.0	24	6	8	6.6	22.6	9	8.0
38	43	59	49	56	4	54.18	60.10	52	75	60.0	23	46.0	2.0	6	9.0	22.0	14.0	16	8	26	11	24	6	8	6.6	22.6	9	7.5
40	45	61	51	58	4	60.53	66.45	55	75	62.0	23	48.0	2.0	6	9.0	22.0	14.0	16	8	26	11	24	6	8	6.6	22.6	9	8.0
43	48	64	54	61	4	63.7	69.62	58	75	65.0	23	51.0	2.0	6	9.0	22.0	14.0	16	8	26	11	24	6	8	6.6	22.6	9	8.0
45	50	66	56	63	4	63.7	69.62	61	75	69.0	23	55.0	2.0	6	9.0	22.0	14.0	16	8	26	11	24	6	8	6.6	22.6	9	(8)
48	53	69	59	66	4	66.88	72.80	64	85	69.0	23	55.0	2.0	6	9.0	22.0	14.0	16	8	26	11	24	8	8	6.6	22.6	9	8.0
50	55	71	62	70	4	70.05	75.97	66	85	73.0	25	58.0	2.5	6	9.0	23.0	15.0	17	9.5	26.5	12.5	24	8	8	6.6	22.6	9	8.0
53	58	78	65	73	4	76.4	82.32	69	85	75.0	25	60.0	2.5	6	9.0	23.0	15.0	17	9.5	26.5	12.5	24	8	8	6.6	22.6	9	8.0
55	60	79	67	75	4	76.4	82.32	71	85	75.0	25	60.0	2.5	6	9.0	23.0	15.0	17	9.5	28.5	12.5	26	8	8	6.6	24.6	11	8.0
58	63	83	70	78	4	79.58	85.50	74	85	75.0	25	60.0	2.5	6	9.0	23.0	15.0	18	10.5	28.5	12.5	26	8	8	6.6	24.6	11	8.0
60	65	85	72	80	4	82.75	88.67	77	95	75.0	25	60.0	2.5	6	9.0	23.0	15.0	18	10.5	28.5	12.5	26	8	8	6.6	24.6	11	8.0
63	68	88	75	83	4	85.93	91.85	80	95	75.0	25	60.0	2.5	6	9.0	23.0	15.0	18	10.5	28.5	12.5	26	8	8	6.6	24.6	11	8.0
65	70	90	77	85	4	85.93	91.85	83	95	76.0	25	61.0	2.5	6	9.0	23.0	15.0	18	10.5	28.5	12.5	26	8	8	6.6	24.6	11	10.0
70	75	98	83	92	4	89.1	95.02	88	95	81.0	28	63.0	2.5	7	9.0	26.0	18.0	19	11.5	30.5	14.5	26	8	8	6.6	24.6	11	10.0
75	80	103	88	97	4	98.63	104.55	93	105	86.0	28	68.0	2.5	7	9.0	26.0	18.0	19	11.5	30.5	14.5	26	10	8	6.6	24.6	11	10.0
80	85	109	95	105	4	101.8	107.72	98	105	86.0	28	68.0	3.0	7	9.0	26.2	18.2	19	11.5	30.2	14	26	10	8	6.6	24.6	11	10.0



U.S. M 740D



ÇALIŞMA LİMİTLERİ

d1 18 - 200 mm

p 25 bar

t -50 / + 220° C

Vg 20 m/sn

YÜZEY SEÇENEKLERİ

Döner Eleman Yüzey Seçenekleri :

Cr-Ni, Karbon, Sic, Tuc,

Sabit Eleman Yüzey Seçenekleri :

Karbon, Sic, Tuc, Cr-Ni, Seramik

Elastomerler :

Viton (FKM), EPDM, Nitril (NBR)

PARÇA TANIMLAMA

1,1-1,2 Döner Eleman Yüzey

1,3 Pul

1,4 Kovan

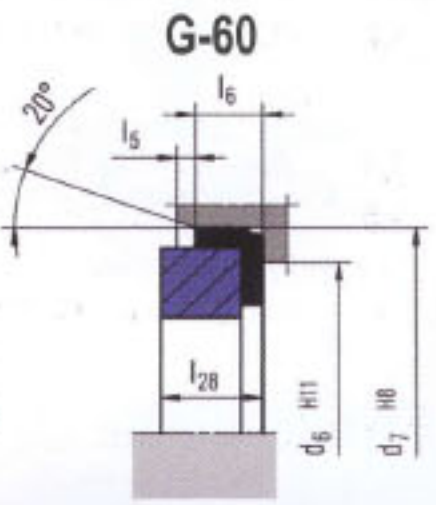
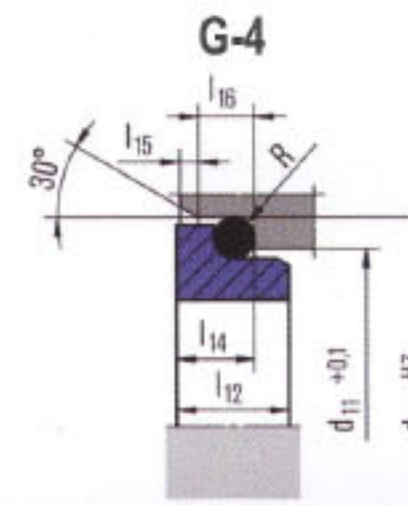
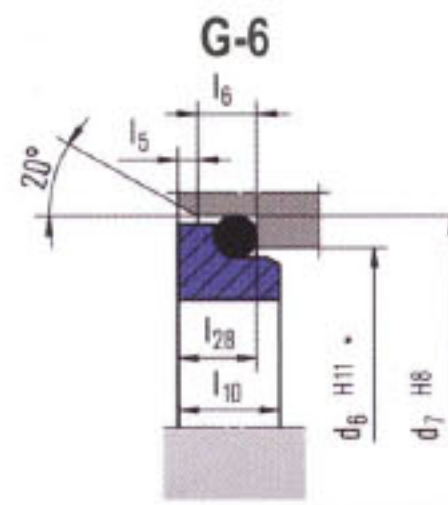
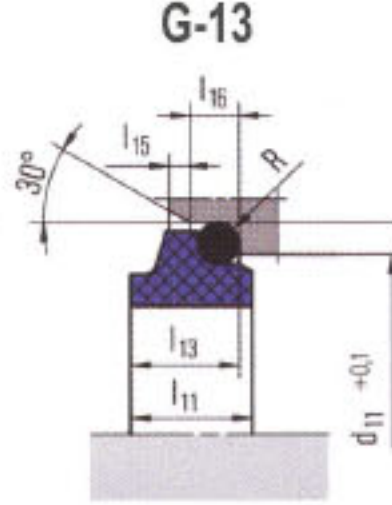
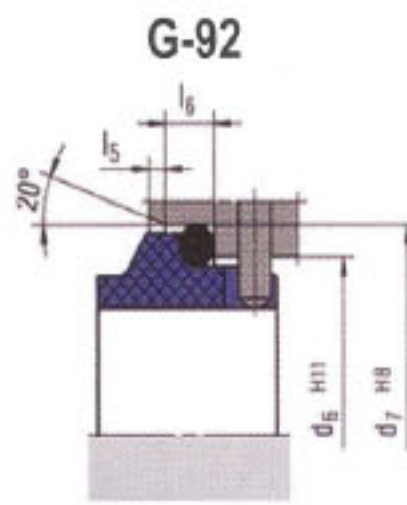
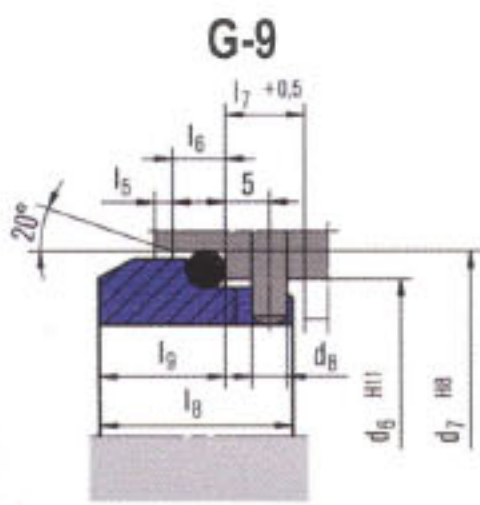
1,5 Kurt Yay - Yaprak Yay

1,6 Setskur

1,7-1,8 Döner Eleman O-ring

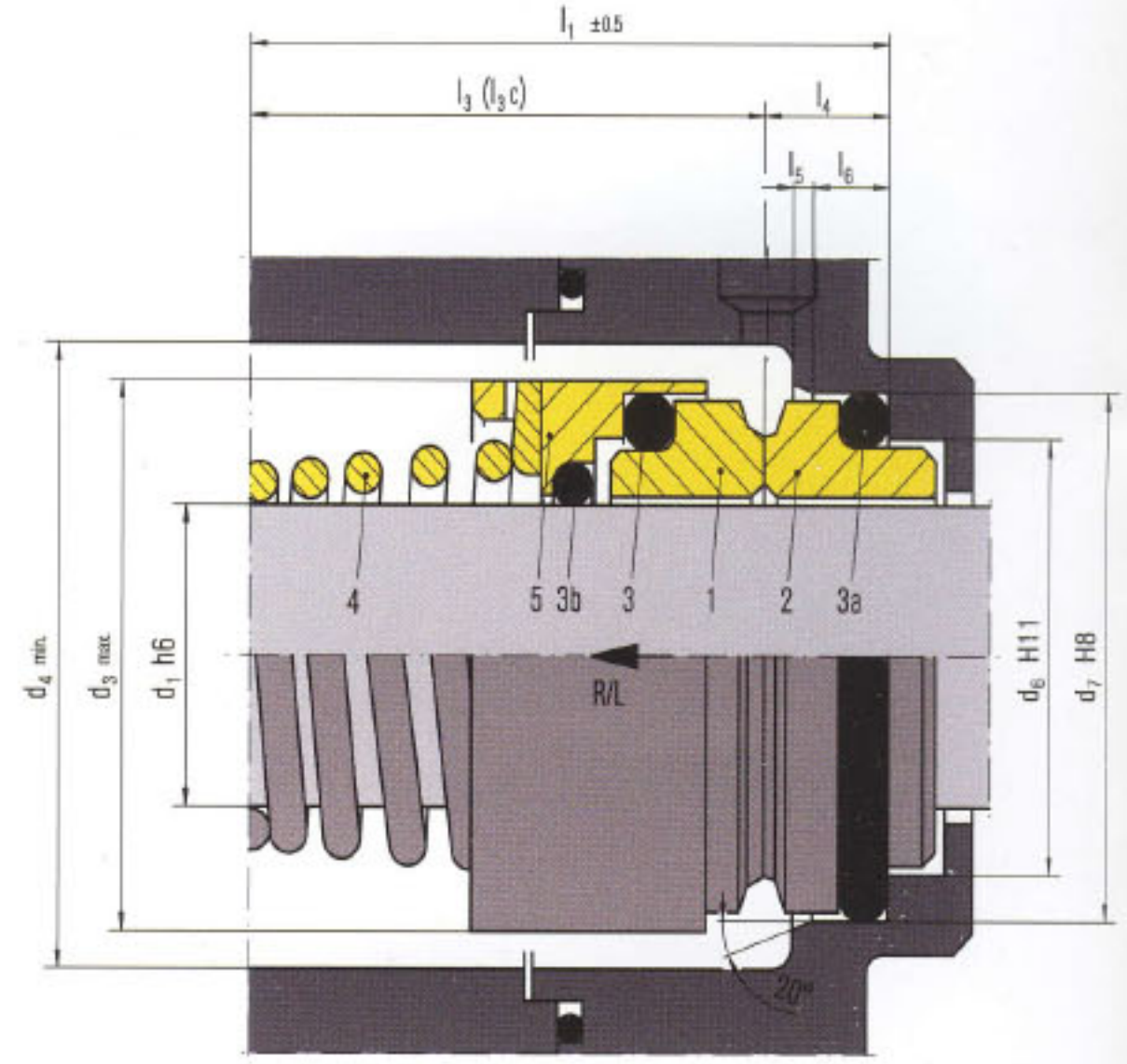
2, 4 Sabit Eleman

3, 5 Sabit Eleman O-ringi



d1	d3	d6	d7	d8	d9	d11	d12	d5	l1	l3	l4	l5	l6	l7	l8	l9	l10	l11	l12	l13	l14	l15	l16	l28	l31	l35	m _x	t	R
18	33	27.0	33.0	3	4	24.0	30.0	-	61.0	38	19.0	2.0	5	9	19.5	11.5	8.5	12.5	9.0	10.0	8.0	1.5	5	7.5	17.0	15	M5	3.5	1.5
20	35	29.0	35.0	3	4	29.5	35.0	-	61.0	38	19.0	2.0	5	9	19.5	11.5	8.5	12.5	8.5	9.5	7.5	1.5	5	7.5	17.0	15	M5	3.5	1.5
22	37	31.0	37.0	3	4	29.5	35.0	42	61.0	38	19.0	2.0	5	9	19.5	11.5	8.5	12.5	8.5	9.5	7.5	1.5	5	7.5	17.0	15	M5	3.5	1.5
24	39	33.0	39.0	3	4	32.0	38.0	44	61.0	38	19.0	2.0	5	9	19.5	11.5	8.5	12.5	8.5	9.5	7.5	1.5	5	7.5	17.0	15	M5	3.5	1.5
25	40	34.0	40.0	3	4	32.0	38.0	45	61.0	38	19.0	2.0	5	9	19.5	11.5	8.5	12.5	8.5	9.5	7.5	1.5	5	7.5	17.0	15	M5	3.5	1.5
28	43	37.0	43.0	3	4	36.0	42.0	47	62.0	39	19.5	2.0	5	9	19.5	11.5	8.5	14.0	10.0	11.0	9.0	1.5	5	7.5	17.5	15	M6	3.5	1.5
30	45	39.0	45.0	3	4	39.2	45.0	49	62.0	39	19.5	2.0	5	9	19.5	11.5	8.5	14.0	11.5	11.0	10.5	1.5	5	7.5	17.5	15	M6	3.5	1.5
32	47	42.0	48.0	3	4	42.2	48.0	51	62.0	39	19.5	2.0	5	9	19.5	11.5	8.5	14.0	11.5	11.0	10.5	1.5	5	7.5	17.5	15	M6	3.5	1.5
33	48	42.0	48.0	3	4	44.2	50.0	51	62.0	39	19.5	2.0	5	9	19.5	11.5	8.5	14.5	12.0	11.5	10.5	1.5	5	7.5	17.5	15	M6	3.5	1.5
35	50	44.0	50.0	3	4	46.2	52.0	54	62.0	39	19.5	2.0	5	9	19.5	11.5	8.5	14.5	12.0	11.5	11.0	1.5	5	7.5	17.5	15	M6	3.5	1.5
38	55	49.0	56.0	4	4	49.2	55.0	59	69.0	41	20.5	2.0	6	9	22.0	14.0	10.0	14.5	11.3	11.5	10.3	1.5	5	9.0	18.5	15	M6	3.5	1.5
40	57	51.0	58.0	4	4	52.2	58.0	61	70.0	42	21.0	2.0	6	9	22.0	14.0	10.0	14.5	11.8	11.5	10.8	1.5	5	9.0	19.0	15	M6	3.5	1.5
43	60	54.0	61.0	4	4	53.3	62.0	65	70.0	42	21.0	2.0	6	9	22.0	14.0	10.0	17.0	13.2	14.3	12.0	2.0	6	9.0	19.0	15	M6	3.5	2.5
45	62	56.0	63.0	4	4	55.3	64.0	66	70.0	42	21.0	2.0	6	9	22.0	14.0	10.0	17.0	12.8	14.3	11.6	2.0	6	9.0	19.0	15	M6	3.5	2.5
48	65	59.0	66.0	4	4	59.7	68.4	69	70.0	42	21.0	2.0	6	9	22.0	14.0	10.0	17.0	12.8	14.3	11.6	2.0	6	9.0	19.0	15	M6	3.5	2.5
50	67	62.0	70.0	4	4	60.8	69.3	71	73.0	43	21.5	2.5	6	9	23.0	15.0	10.5	17.0	12.8	14.3	11.6	2.0	6	9.5	19.5	15	M6	3.5	2.5
53	70	65.0	73.0	4	4	63.8	72.3	75	73.0	43	21.5	2.5	6	9	23.0	15.0	12.0	17.0	13.5	14.3	12.3	2.0	6	11.0	19.5	15	M6	3.5	2.5
55	72	67.0	75.0	4	4	66.5	75.4	76	73.0	43	21.5	2.5	6	9	23.0	15.0	12.0	18.0	14.5	15.3	13.3	2.0	6	11.0	19.5	15	M8	3.5	2.5
58	79	70.0	78.0	4	5	69.5	78.4	83	86.0	56	28.0	2.5	6	9	23.0	15.0	12.0	18.0	14.5	15.3	13.3	2.0	6	11.0	23.5	19	M8	3.5	2.5
60	81	72.0	80.0	4	5	71.5	80.4	85	86.0	56	28.0	2.5	6	9	23.0	15.0	12.0	18.0	14.5	15.3	13.3	2.0	6	11.0	23.5	19	M8	3.5	2.5
63	84	75.0	83.0	4	5	74.5	83.4	88	85.0	55	27.5	2.5	6	9	23.0	15.0	12.0	18.0	14.2	15.3	13.3	2.0	6	11.0	24.5	19	M8	3.5	2.5
65	86	77.0	85.0	4	5	76.5	85.4	95	85.0	55	27.5	2.5	6	9	23.0	15.0	12.0	18.0	14.2	15.3	13.0	2.0	6	11.0	24.5	19	M8	3.5	2.5
68	89	81.0	90.0	4	5	82.7	91.5	93	91.0	55	27.5	2.5	7	9	26.0	18.0	12.5	19.0	14.9	16.0	13.7	2.0	6	11.3	24.5	19	M8	3.5	2.5
70	91	83.0	92.0	4	5	83.0	92.0	95	92.0	56	28.0	2.5	7	9	26.0	18.0	12.5	18.0	14.2	15.3	13.0	2.0	6	11.3	23.5	19	M8	3.5	2.5
75	99	88.0	97.0	4	5	90.2	99.0	105	92.0	56	28.0	2.5	7	9	26.0	18.0	12.5	18.0	15.2	15.3	14.0	2.0	6	11.3	25.5	19	M8	3.5	2.5
80	104	95.0	105.0	4	5	95.2	104.0	109	92.5	56	28.0	3.0	7	9	26.2	18.2	13.0	19.0	16.2	16.3	15.0	2.0	6	12.0	25.5	19	M8	3.5	2.5
85	109	100.0	110.0	4	5	100.2	109.0	114	92.5	56	28.0	3.0	7	9	26.2	18.2	15.0	19.0	16.0	16.3	14.8	2.0	6	14.0	25.0	19	M8	3.5	2.5
90	114	105.0	115.0	4	5	105.2	114.0	119	92.5	56	28.0	3.0	7	9	26.2	18.2	15.0	19.0	16.0	16.3	14.8	2.0	6	14.0	25.5	19	M8	3.5	2.5
95	119	110.0	120.0	4	5	111.6	120.3	124	90.5	56	28.0	3.0	7	9	25.2	17.2	15.0	20.0	17.0	17.3	15.8	2.0	6	14.0	25.0	19	M8	3.5	2.5
100	124	115.0	125.0	4	5	114.5	123.3	129	90.5	56	28.0	3.0	7	9	25.2	17.2	15.0	20.0	17.0	17.3	15.8	2.0	6	14.0	25.0	19	M8	3.5	2.5
105	138	122.2	134.3	5	7	-	-	143	108.0	68	34.0	2.0	10	-	30.0	20.0	-	-	-	-	-	-	-	-	30.5	22	M8	3.5	-
110	143	128.2	140.3	5	7	-	-	148	110.0	70	35.0	2.0	10	-	30.0	20.0	-	-	-	-	-	-	-	-	31.5	22	M8	3.5	-
115	148	136.2	148.3	5	7	-	-	153	110.0	70	35.0	2.0	10	-	30.0	20.0	-	-	-	-	-	-	-	-	31.5	22	M8	3.5	-
120	153	138.2	150.3	5	7	-	-	158	110.0	70	35.0	2.0	10	-	30.0	20.0	-	-	-	-	-	-	-	-	31.5	22	M8	3.5	-
125	158	142.2	154.3	5	7	-	-	163	110.0	70	35.0	2.0	10	-	30.0	20.0	-	-	-	-	-	-	-	-	31.5	22	M8	3.5	-
130	163	146.2	158.3	5	7	-	-	168	110.0	70	35.0	2.0	10	-	30.0	20.0	-	-	-	-	-	-	-	-	31.5	22	M8	3.5	-
135	168	152.2	164.3	5	7	-	-	173	110.0	70	35.0	2.0	10	-	30.0	20.0	-	-	-	-	-	-	-	-	31.5	22	M8	3.5	-
140	173	156.2	168.3	5	7	-	-	178	110.0	70	35.0	2.0	10	-	30.0	20.0	-	-	-	-	-	-	-	-	31.5	22	M8	3.5	-

U.S. RT 320



PARÇA TANIMLAMA

1,1 Döner Eleman Yüzeyi

2,0 Sabit Eleman

3,0 Döner Baskı O-ringi

3a Sabit Eleman O-ringi

3b Mil O-ringi

4 Yay (Sağ veya Sol Yönlü)

5 Kovan

ÇALIŞMA LİMİTLERİ

d1 10-100 mm

p 10 Bar

t -50 / + 220 °C

Vg 20 m/sn

YÜZEY SEÇENEKLERİ

Döner Eleman Yüzey Seçenekleri :

Karbon, Sic, Tuc, Cr-Ni, Seramik

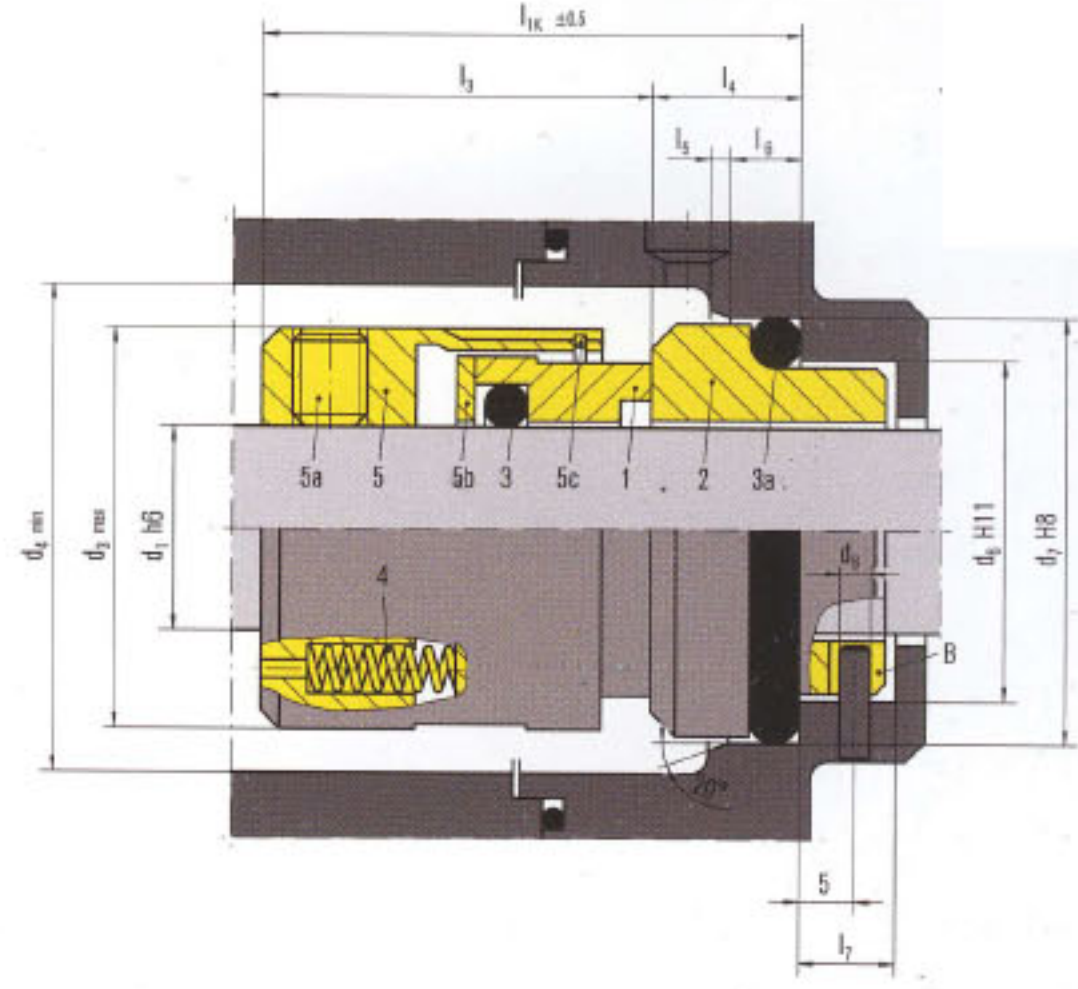
Sabit Eleman Yüzey Seçenekleri :

Sic, Tuc, Karbon, Cr-Ni, Seramik

Elastomerler :

Viton (FKM), EPDM, Nitril (NBR), Silikon

d ₁	d ₃	d ₄	d ₆	d ₇	l ₁	l ₃	l ₄	l ₅	l ₆	l _{3C}
10	20	22	14.0	18.1	25.5	20	5.5	1.2	3	15
12	22	25	16.5	20.6	27.5	22	5.5	1.2	3	18
14	25	28	19.0	23.1	33.0	27	6.0	1.2	3	22
15	29	32	21.0	26.9	34.0	27	7.0	1.5	4	22
16	29	32	21.0	26.9	35.0	28	7.0	1.5	4	23
18	33	36	25.0	30.9	38.0	30	8.0	1.5	4	24
20	33	36	25.0	30.9	38.0	30	8.0	1.5	4	25
22	38	41	30.0	35.4	38.0	30	8.0	2.0	4	25
24	38	41	30.0	35.4	40.0	32	8.0	2.0	4	27
25	40	45	33.0	38.2	41.5	33	8.5	2.0	4	27
26	40	45	33.0	38.2	41.5	33	8.5	2.0	4	27
28	46	50	38.0	43.3	45.0	36	9.0	2.0	4	29
30	46	50	38.0	43.3	46.0	37	9.0	2.0	4	30
32	46	50	38.0	43.3	46.0	37	9.0	2.0	4	30
34	56	62	45.0	53.3	59.5	48	11.5	2.0	6	39
35	56	62	45.0	53.5	59.5	48	11.5	2.0	6	39
36	56	62	45.0	53.5	59.5	48	11.5	2.0	6	39
38	63	70	52.0	60.5	59.5	48	11.5	2.0	6	39
40	63	70	52.0	60.5	59.5	48	11.5	2.0	6	39
42	63	70	52.0	60.5	59.5	48	11.5	2.0	6	39
43	63	70	52.0	60.5	59.5	48	11.5	2.0	6	41
45	69	75	57.0	65.5	62.5	51	11.5	2.0	6	41
48	69	75	57.0	65.5	62.5	51	11.5	2.0	6	41
50	76	83	64.0	72.5	66.5	55	11.5	2.0	6	45
55	76	83	64.0	72.5	68.5	57	11.5	2.0	6	47
60	84	90	72.0	79.3	72.5	61	11.5	2.0	6	49
65	89	96	77.0	84.5	74.5	63	11.5	2.0	6	51
70	94	101	82.0	89.5	74.5	63	11.5	2.0	6	51
75	100	106	87.0	94.5	79.5	68	11.5	2.0	6	57
80	105	111	92.0	99.5	81.5	70	11.5	2.0	6	59
85	115	125	98.0	105.5	85.5	72	13.5	2.5	6	59
90	120	132	105.0	111.5	88.5	75	13.5	2.5	6	62
95	126	137	110.0	116.5	88.5	75	13.5	2.5	6	62
100	130	143	114.0	119.5	98.5	85	13.5	2.5	6	75



PARÇA TANIMLAMA

- 1 Döner Eleman Yüzeyi
- 2 Sabit Eleman
- 3 O-ring / PTFE V Ring
- 3a O-ring / PTFE V Ring
- 4 Kurt Yay
- 5 Kovan
- 5a Setskur
- 5b Pul
- 5c Segman
- B Pim Yuvası

ÇALIŞMA LİMİTLERİ

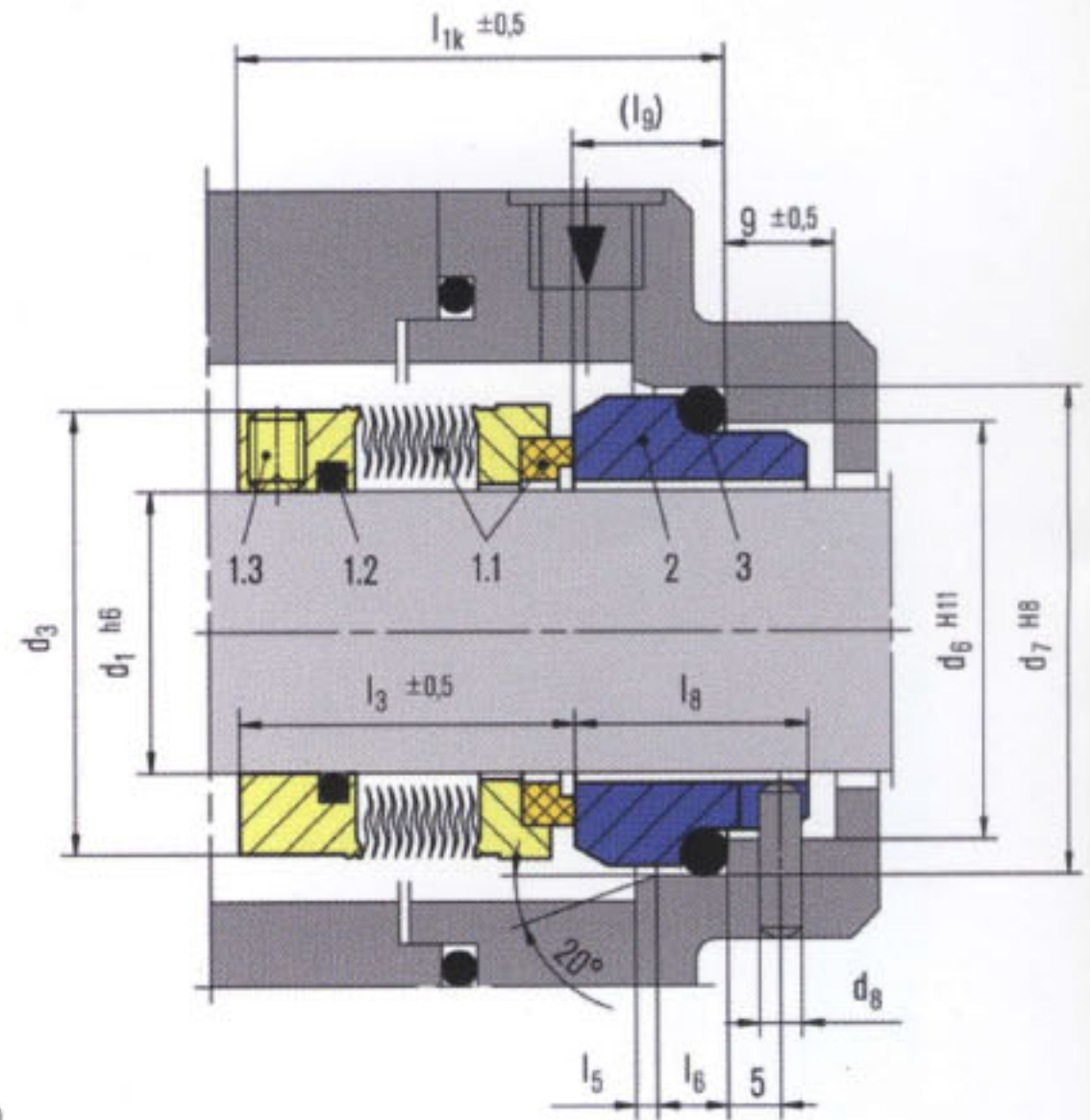
- d1** 20 - 100 mm
- p** 12 Bar
- t** -70 / +200 °C
- Vg** 20 m/sn

YÜZEY SEÇENEKLERİ

- Döner Eleman Yüzey Seçenekleri**
Karbon, Sic, Tuc
- Sabit Eleman Yüzey Seçenekleri :**
Sic, Tuc, Seramik, Cr-Ni, Karbon
- Elastomerler :**
Viton (FKM), EPDM, Nitril (NBR), P.T.F.E.

d ₁	d ₃	d ₄	d ₆	d ₇	d ₈	l _{1K}	l ₁	l ₃	l ₄	l ₅	l ₆	l ₇
20	34	36	29	35	3	37.5	34.0	24.0	10.0	2.0	5	9
22	36	38	31	37	3	37.5	34.0	24.0	10.0	2.0	5	9
24	38	40	33	39	3	40.0	37.0	27.0	10.0	2.0	5	9
25	39	41	34	40	3	40.0	37.0	27.0	10.0	2.0	5	9
28	42	44	37	43	3	42.5	40.0	30.0	10.0	2.0	5	9
30	44	46	39	45	3	42.5	40.0	30.0	10.0	2.0	5	9
32	46	48	42	48	3	42.5	40.0	30.0	10.0	2.0	5	9
33	47	49	42	48	3	42.5	40.0	30.0	10.0	2.0	5	9
35	49	51	44	50	3	42.5	40.0	30.0	10.0	2.0	5	9
38	54	58	49	56	4	45.0	43.0	32.0	11.0	2.0	6	9
40	56	60	51	58	4	45.0	43.0	32.0	11.0	2.0	6	9
43	59	63	54	61	4	45.0	43.0	32.0	11.0	2.0	6	9
45	61	65	56	63	4	45.0	43.0	32.0	11.0	2.0	6	9
48	64	68	59	66	4	45.0	43.0	32.0	11.0	2.0	6	9
50	66	70	62	70	4	47.5	47.5	34.5	13.0	2.5	6	9
53	69	73	65	73	4	47.5	47.5	34.5	13.0	2.5	6	9
55	71	75	67	75	4	47.5	47.5	34.5	13.0	2.5	6	9
58	78	83	70	78	4	52.5	52.5	39.5	13.0	2.5	6	9
60	80	85	72	80	4	52.5	52.5	39.5	13.0	2.5	6	9
63	83	88	75	83	4	52.5	52.5	39.5	13.0	2.5	6	9
65	85	90	77	85	4	52.5	52.5	39.5	13.0	2.5	6	9
68	88	93	81	90	4	52.5	52.5	37.5	15.0	2.5	7	9
70	90	95	83	92	4	60.0	60.0	45.0	15.0	2.5	7	9
75	99	104	88	97	4	60.0	60.0	45.0	15.0	2.5	7	9
80	104	109	95	105	4	60.0	60.0	44.5	15.5	3.0	7	9
85	109	114	100	110	4	60.0	60.0	44.5	15.5	3.0	7	9
90	114	119	105	115	4	65.0	65.0	49.5	15.5	3.0	7	9
95	119	124	110	120	4	65.0	65.0	49.5	15.5	3.0	7	9
100	124	129	115	125	4	65.0	65.0	49.5	15.5	3.0	7	9

U.S. MFL 850 N



PARÇA TANIMLAMA

1,1 Döner Eleman Yüzeyi ve Metal Körük

1,2 Döner Eleman O-ringi

1,3 Setskur

2 Sabit Eleman

3 Sabit Eleman O-ringi

ÇALIŞMA LİMİTLERİ

d1 16-100 mm

p 12 Bar

t -30 / + 220 °C

Vg 20 m/sn

YÜZEY SEÇENEKLERİ

Döner Eleman Yüzey Seçenekleri :

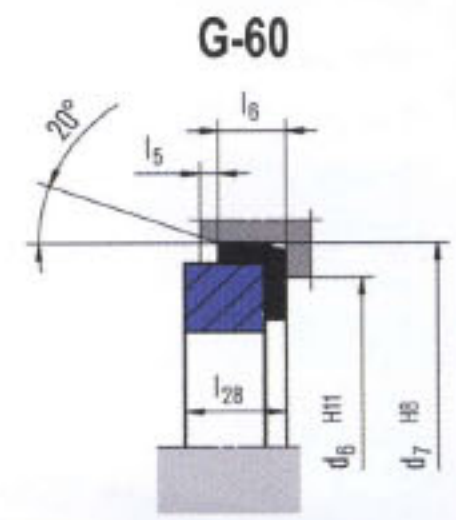
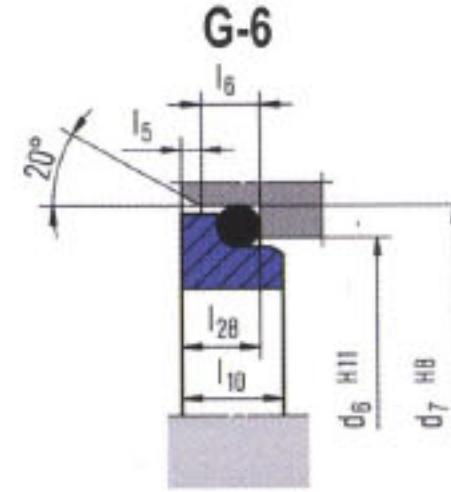
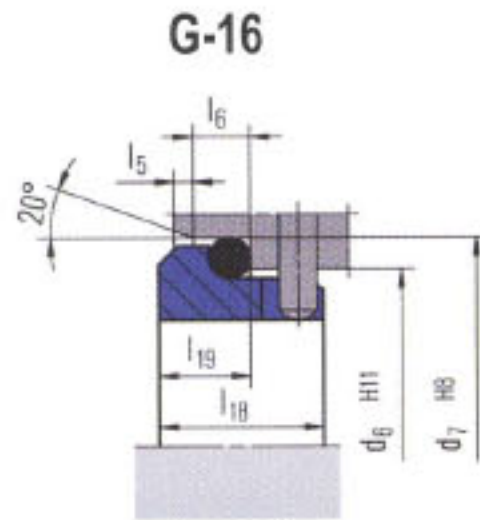
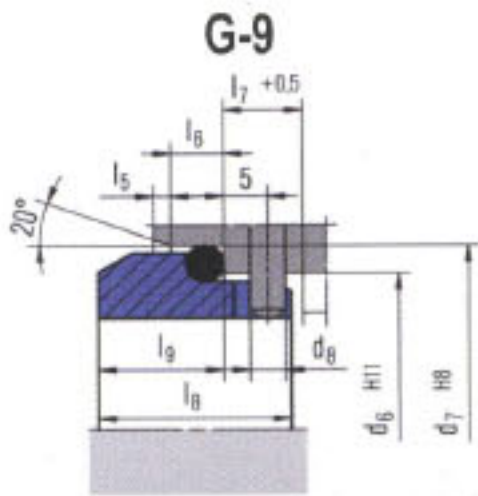
Karbon, Sic, Tuc

Sabit Eleman Yüzey Seçenekleri :

Sic, Tuc, Karbon, Cr-Ni, Seramik

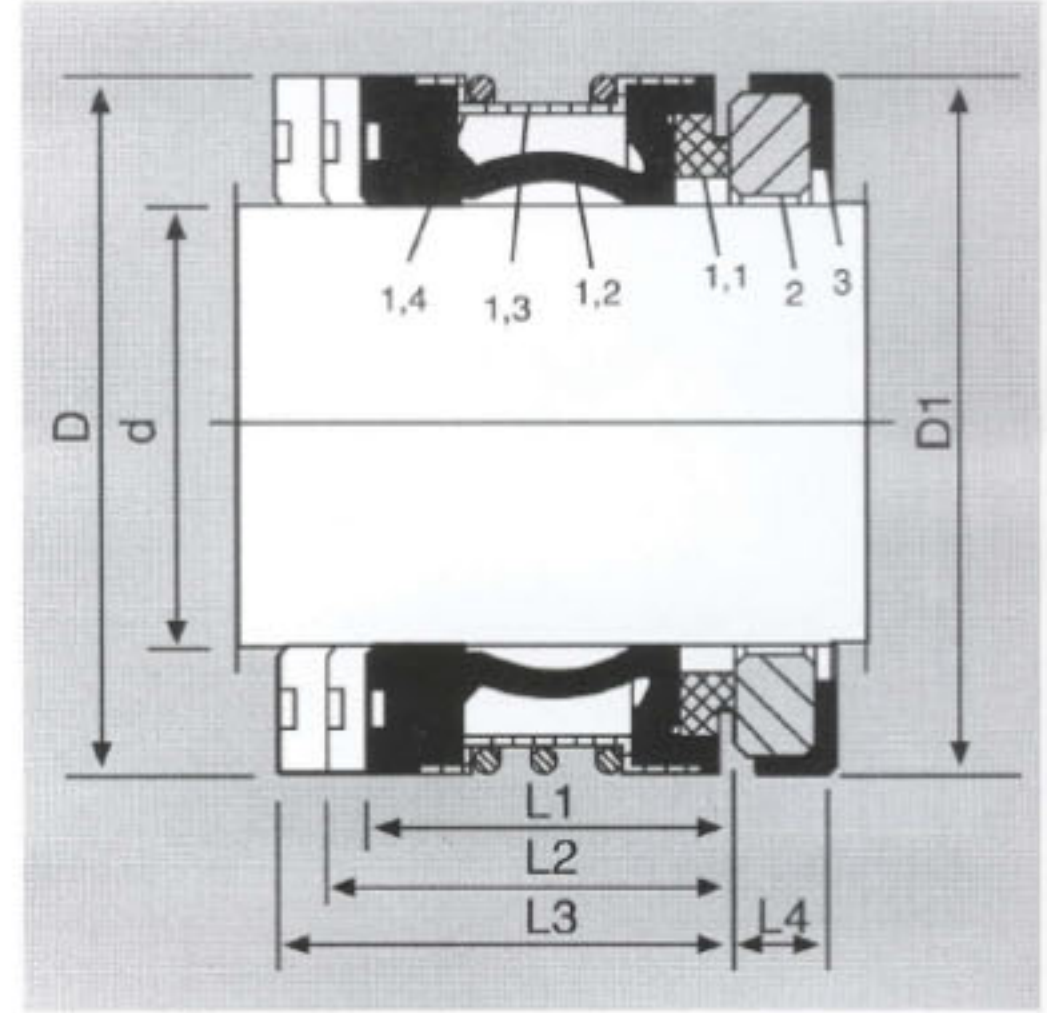
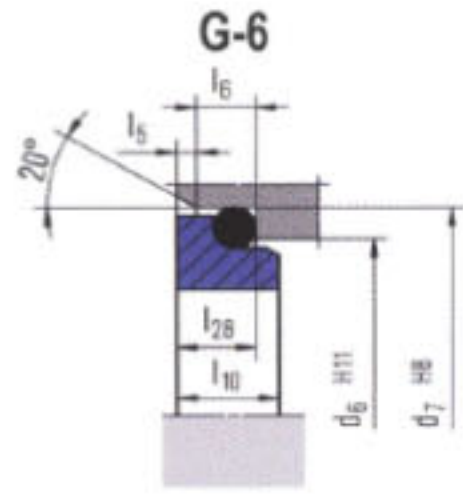
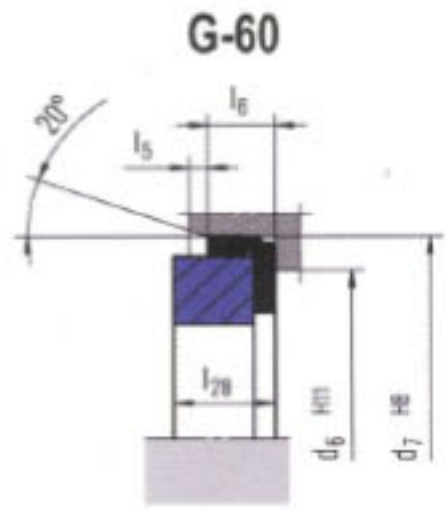
Elastomerler :

Viton (FKM), EPDM, Nitril (NBR), Silikon



d ₁	d ₃	d ₆	d ₇	d ₈	d ₉	l _{1K}	l ₃	l ₅	l ₆	l ₈	l ₉	l ₁₈	l ₁₉	b	s
16	30.0	23	27	3	38	42.5*)	32.5	1.5	4	17.5	10.0	—	—	1.6	9.0
18	32.0	27	33	3	39	42.0	30.5	2.0	5	14.0	11.5	15.0	7.0	1.6	10.0
20	33.5	29	35	3	41	42.0	30.5	2.0	5	14.0	11.5	15.0	7.0	1.6	10.0
22	36.5	31	37	3	44	42.0	30.5	2.0	5	14.0	11.5	15.0	7.0	1.6	10.0
24	39.0	33	39	3	47	40.0	28.5	2.0	5	19.5	11.5	15.0	7.0	1.6	8.2
25	39.6	34	40	3	48	40.0	28.5	2.0	5	19.5	11.5	15.0	7.0	1.6	8.5
28	42.8	37	43	3	51	42.5	31.0	2.0	5	19.5	11.5	15.0	7.0	1.6	9.0
30	45.0	39	45	3	53	42.5	31.0	2.0	5	19.5	11.5	15.0	7.0	1.6	8.5
32	46.0	42	48	3	55	42.5	31.0	2.0	5	19.5	11.5	15.0	7.0	1.6	9.2
33	48.0	42	48	3	56	42.5	31.0	2.0	5	19.5	11.5	15.0	7.0	1.6	9.2
35	49.2	44	50	3	58	42.5	31.0	2.0	5	19.5	11.5	15.0	7.0	1.6	9.5
38	52.3	49	56	4	61	45.0	31.0	2.0	6	22.0	14.0	16.0	8.0	1.6	9.2
40	55.5	51	58	4	64	45.0	31.0	2.0	6	22.0	14.0	16.0	8.0	1.6	9.2
43	57.5	54	61	4	67	45.0	31.0	2.0	6	22.0	14.0	16.0	8.0	1.6	9.2
45	58.7	56	63	4	69	45.0	31.0	2.0	6	22.0	14.0	16.0	8.0	1.6	9.5
48	61.9	59	66	4	72	45.0	31.0	2.0	6	22.0	14.0	16.0	8.0	1.6	9.2
50	65.0	62	70	4	74	47.5	32.5	2.5	6	23.0	15.0	17.0	9.5	1.6	10.5
53	68.2	65	73	4	77	47.5	32.5	2.5	6	23.0	15.0	17.0	9.5	1.6	10.5
55	70.0	67	75	4	80	47.5	32.5	2.5	6	23.0	15.0	17.0	9.5	1.6	10.0
58	71.7	70	78	4	83	52.5	37.5	2.5	6	23.0	15.0	18.0	10.5	3.0	14.0
60	74.6	72	80	4	85	52.5	37.5	2.5	6	23.0	15.0	18.0	10.5	3.0	14.0
63	79.0	75	83	4	88	52.5	37.5	2.5	6	23.0	15.0	18.0	10.5	3.0	14.0
65	84.1	77	85	4	95	52.5	37.5	2.5	6	23.0	15.0	18.0	10.5	3.0	14.0
68	87.3	81	90	4	96	52.5	34.5	2.5	7	26.0	18.0	18.5	11.0	1.6	10.0
70	87.3	83	92	4	96	60.0	42.0	2.5	7	26.0	18.0	19.0	11.5	3.0	17.0
75	95.0	88	97	4	104	60.0	42.0	2.5	7	26.0	18.0	19.0	11.5	3.0	16.0
80	98.4	95	105	4	109	60.0	41.8	3.0	7	26.2	18.2	19.0	11.5	3.0	16.0
85	104.7	100	110	4	114	60.0	41.8	3.0	7	26.2	18.2	19.0	11.5	3.0	16.0
90	111.0	105	115	4	119	65.0	46.8	3.0	7	26.2	18.2	20.5	13.0	3.0	21.0
95	114.0	110	120	4	124	65.0	47.8	3.0	7	25.2	17.2	20.5	13.0	3.0	21.0
100	117.4	115	125	4	129	65.0	47.8	3.0	7	25.2	17.2	20.5	13.0	3.0	20.0

U.S. 210-212-213-214-215



ÇALIŞMA LİMİTLERİ

d1 10 - 100 mm
p 18 bar
t -30 / +200° C
Vg 15 m/sn

YÜZEY SEÇENEKLERİ

Döner Eleman Yüzey Seçenekleri :

Karbon, Sic,

Sabit Eleman Yüzey Seçenekleri :

Sic, Tuc, Seramik, Cr-Ni, Seramik

Elastomerler :

Viton (FKM), EPDM, Nitril (NBR)

PARÇA TANIMLAMA

1,1 Döner Eleman Yüzeyi

1,2 Kauçuk Körük

1,3 Döner Eleman Kovanı

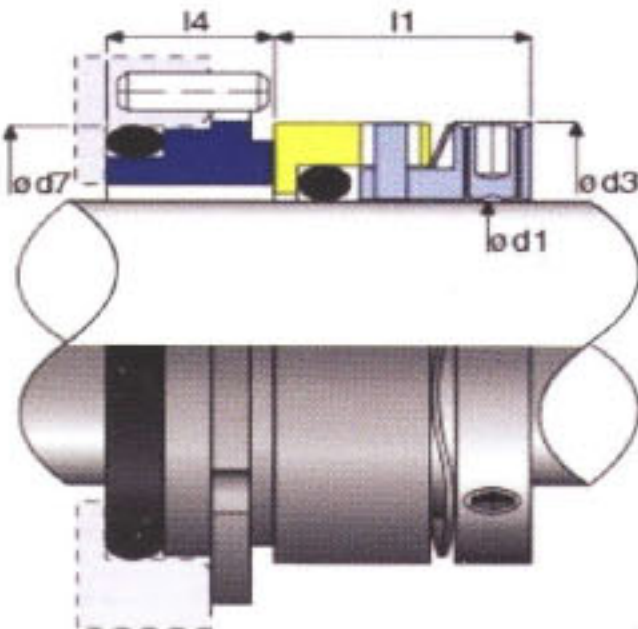
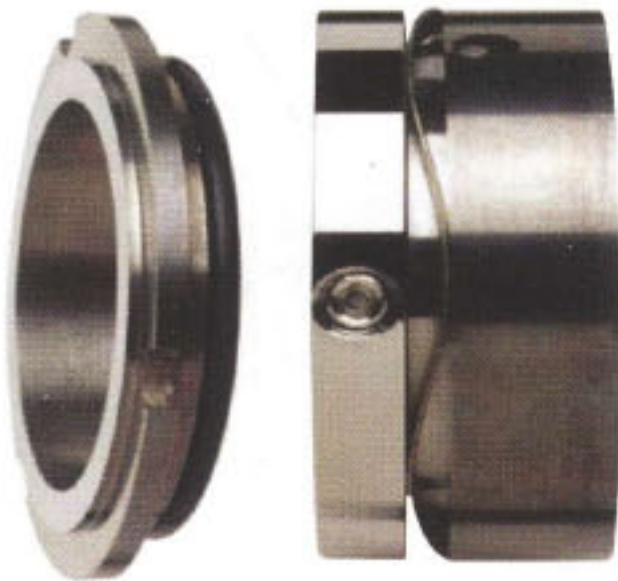
1,4 Yay

2 Sabit Eleman

3 O - Ring veya L - Ring

d	D	D1	L1	L2	L3	L4
10	20	21	15	27.5	35.0	5
12	22	23	15	26.5	34.0	6
14	24	25	15	29.0	34.0	6
15	25	26	15	29.0	34.0	6
16	26	27	15	29.0	34.0	6
18	32	33	20	31.5	39.0	6
20	34	35	20	31.5	39.0	6
22	36	37	20	31.5	39.0	6
24	38	39	20	34.0	44.0	6
25	39	40	20	34.0	44.0	6
28	42	43	26	36.5	44.0	6
30	44	45	26	35.5	43.0	7
32	46	48	26	35.5	48.0	7
33	47	48	26	35.5	48.0	7
35	49	50	26	34.5	47.0	8
38	54	56	30	37.0	47.0	8
40	56	58	30	37.0	47.0	8
43	59	61	30	37.0	52.0	8
45	61	63	30	37.0	52.0	8
48	64	66	30	35.0	50.0	10
50	66	70	30	37.5	50.0	10
53	69	73	30	37.5	60.0	10
55	71	75	30	37.5	60.0	10
58	78	78	33	42.5	60.0	10
60	80	80	33	40.5	58.0	12
63	83	83	33	40.5	58.0	12
65	85	85	33	40.5	68.0	12
68	88	90	33	40.5	68.0	12
70	90	92	33	48.0	68.0	12
75	99	97	40	48.0	68.0	12
80	104	105	40	47.5	77.5	14
85	109	110	40	47.5	77.5	14
90	114	115	40	52.5	77.5	14
95	119	120	40	52.5	77.5	14
100	124	125	40	52.5	77.5	14

RS 402



d1 (mm)	d3 (mm)	d7 (mm)	l1 (mm)	l4 (mm)
20	31	30	19.1	10.7
30	41	41.2	19.1	10.9
35	45.5	47	19.1	12.2
45	58.2	58.3	21.1	11.6
55	72	69.6	22.1	13
75	96	92.2	25.8	14.5



ÇALIŞMA LİMİTLERİ

d1 12 - 100 mm
p 40 bar
t -30 / + 200° C
Vg 20 m/sn

YÜZEY SEÇENEKLERİ

Döner Eleman Yüzey Seçenekleri :

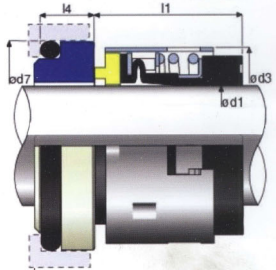
Karbon, Sic

Sabit Eleman Yüzey Seçenekleri :

Seramik, Sic, Cr-Ni

Elastomerler :

Viton (FKM), EPDM, Nitril (NBR)



d1 (mm)	d3 (mm)	d7 (mm)	l1 (mm)	l4 (mm)
12	22	23	23.9	8.6
14	24.1	25	25.4	8.6
16	26.2	27	26.4	8.6
18	32.2	33	27.5	10
20	33.9	35	27.5	10
22	36.1	37	27.5	10
24	38.1	39	30	10
25	38.8	40	30	10
28	42.1	43	32.5	10
30	44.2	45	32.5	10
32	45.8	48	32.5	10
33	46.9	48	32.5	10
35	48.8	50	32.5	10
38	54.2	56	34	11
40	56.1	58	34	11
43	58.8	61	34	11
45	60.9	63	34	11
48	64.1	66	34	11
50	66.2	70	34.5	13
53	69.1	73	34.5	13
55	71.1	75	34.5	13
58	78.2	78	39.5	13
60	79.9	80	39.5	13
63	82.8	83	39.5	13
65	85.1	85	39.5	13
70	90	92	44.7	15.3
75	97	97	44.7	15.3
80	104	105	44.3	15.7
85	108	110	44.3	15.7
90	114	115	49.3	15.7
95	118	120	49.3	15.7
100	124	125	49.3	15.7

PARÇA TANIMLAMA

- 1 Döner Eleman Yüzeyi
- 2 Sabit Eleman
- 3 Döner Baskı O-ringi
- 3a Sabit Eleman O-ringi
- 3b Mil O-ringi
- 4 Yay (Sağ - Sol Yönlü)
- 5 Kovan
- A Baskı Bileziği
- B Pim Yuvası

ÇALIŞMA LİMİTLERİ

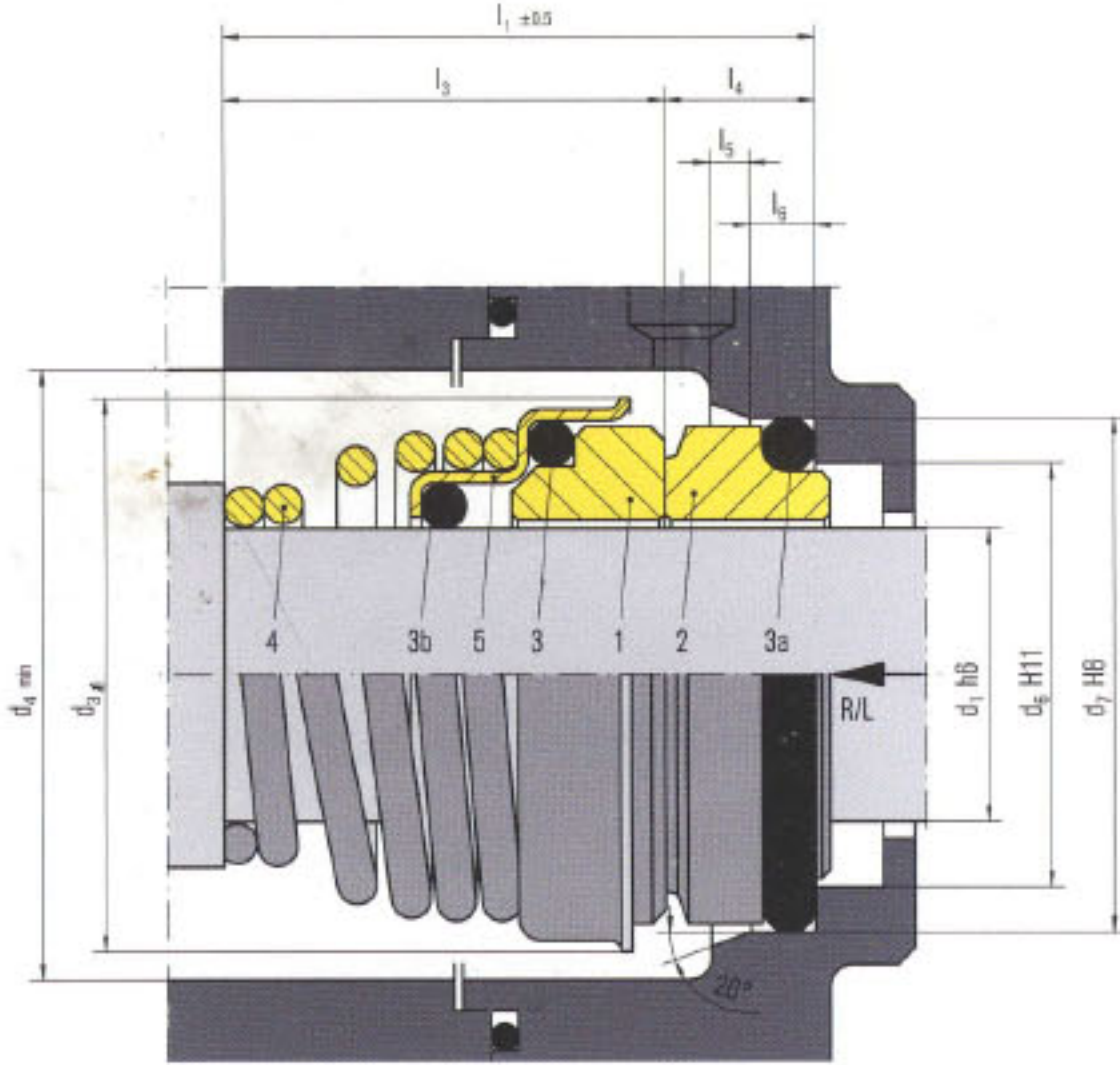
- d1 10 - 40 mm
- p 10 bar
- t -20 / + 180° C
- Vg 20 m/sn

YÜZEY SEÇENEKLERİ

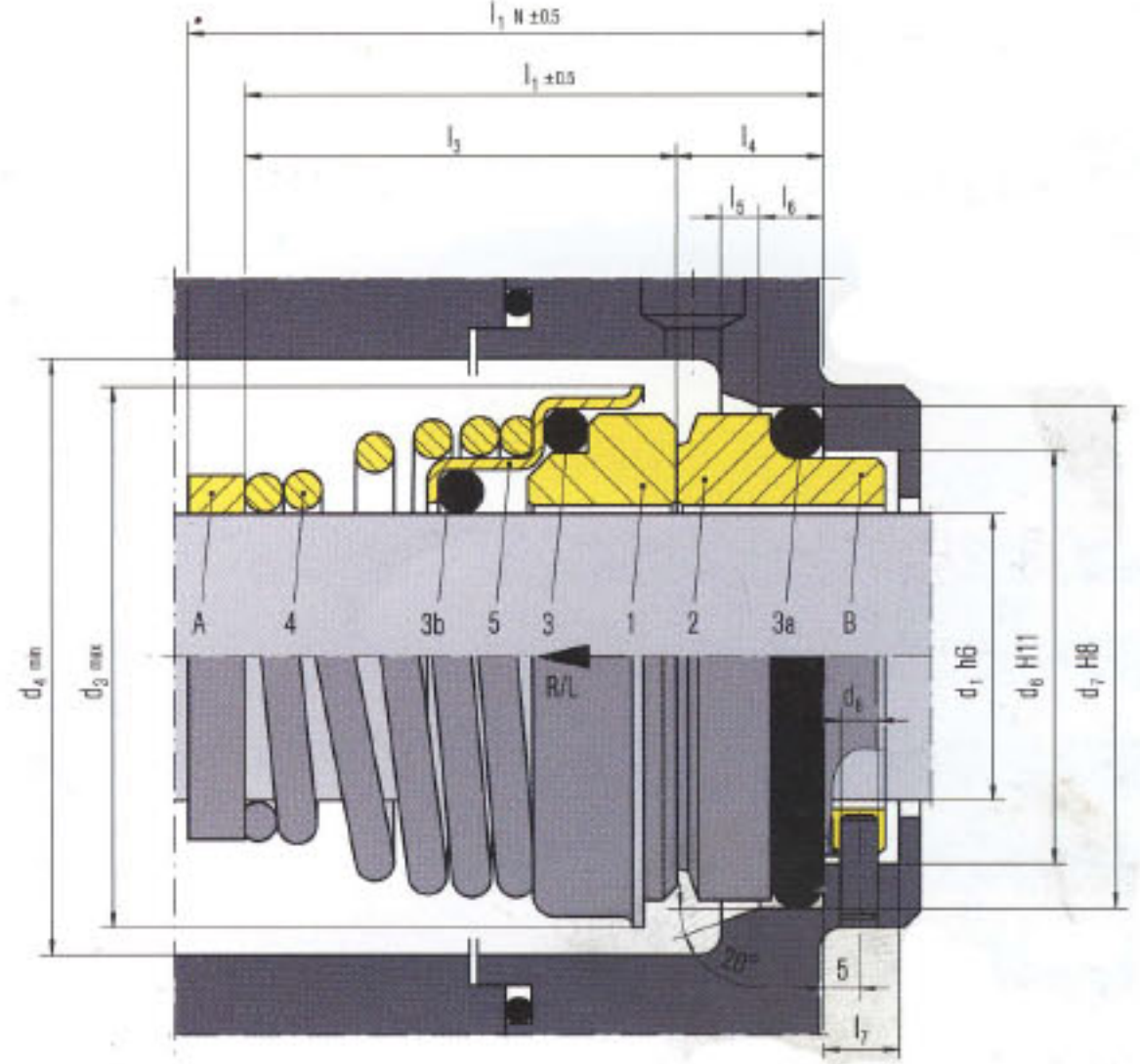
- Döner Eleman Yüzey Seçenekleri :
Seramik, Sic, Tuc, Karbon, Cr-Ni
- Sabit Eleman Yüzey Seçenekleri :
Karbon, Sic, Tuc, Cr-Ni, Seramik
- Elastomerler :
Viton (FKM), EPDM, Nitril (NBR)



U.S. 155

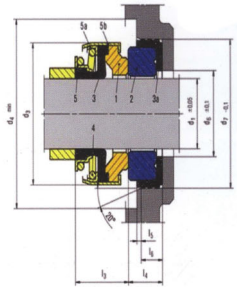


U.S.355 SN



d1	d3	d4	d6	d7	l1	l3	l4	l5	l6
10	19.5	22	14.0	18.1	20.5	15	5.5	1.2	3
11	22.5	25	16.5	20.6	23.5	18	5.5	1.2	3
12	22.5	25	16.5	20.6	23.5	18	5.5	1.2	3
13	24.5	28	19.0	23.1	28.0	22	6.0	1.2	3
14	24.5	28	19.0	23.1	28.0	22	6.0	1.2	3
15	29.0	32	21.0	26.9	29.0	22	7.0	1.5	4
16	29.0	32	21.0	26.9	30.0	23	7.0	1.5	4
17	29.0	32	21.0	26.9	30.0	23	7.0	1.5	4
18	32.5	36	25.0	30.9	32.0	24	8.0	1.5	4
19	32.5	36	25.0	30.9	33.0	25	8.0	1.5	4
20	32.5	36	25.0	30.9	33.0	25	8.0	1.5	4
22	37.5	42	30.0	35.4	33.0	25	8.0	2.0	4
24	37.5	42	30.0	35.4	35.0	27	8.0	2.0	4
25	40.0	45	33.0	38.2	35.5	27	8.5	2.0	4
28	46.0	51	38.0	43.3	38.0	29	9.0	2.0	4
30	46.0	51	38.0	43.3	39.0	30	9.0	2.0	4
32	46.0	51	38.0	43.3	39.0	30	9.0	2.0	4
35	50.0	55	45.0	53.5	50.5	39	11.5	2.0	6
38	58.0	68	52.0	60.5	50.5	39	11.5	2.0	6
40	58.0	68	52.0	60.5	50.5	39	11.5	2.0	6

d1	d3	d4	d6	d7	d8	l1N	l1	l3	l4	l5	l6	l7
10	20.0	22	17	21	3	40	22.0	15	7	1.5	4	8.5
12	22.5	26	19	23	3	40	25.0	18	7	1.5	4	8.5
14	24.5	28	21	25	3	40	29.0	22	7	1.5	4	8.5
16	29.0	32	23	27	3	40	30.0	23	7	1.5	4	8.5
18	32.5	36	27	33	3	45	34.0	24	10	2	5	9.0
20	32.5	36	29	35	3	45	35.0	25	10	2	5	9.0
22	37.5	40	31	37	3	45	35.0	25	10	2	5	9.0
24	37.5	40	33	39	3	50	37.0	27	10	2	5	9.0
25	40.0	42	34	40	3	50	37.0	27	10	2	5	9.0
28	46.0	48	37	43	3	50	39.0	29	10	2	5	9.0
30	46.0	48	39	45	3	50	40.0	30	10	2	5	9.0
32	46.0	48	42	48	3	55	40.0	30	10	2	5	9.0
35	50.0	53	44	50	3	55	49.0	39	10	2	5	9.0
38	58.0	68	49	56	4	55	52.0	39	13	2	6	9.0
40	58.0	68	51	58	4	55	52.0	39	13	2	6	9.0



PARÇA TANIMLAMA

1	Döner Eleman Yüzeyi
2	Sabit Eleman Yüzeyi
3	Körük
3a	L Ring (Kep)
4	Yay
5	Pul
5a	Kilitleme Pulu
5b	Döner Eleman Kovani

ÇALIŞMA LİMİTLERİ

d1 6 - 60 mm
p 6 bar
v 0,5 bar
t -20 / + 200° C
Vg 10 m/sn

YÜZEY SEÇENEKLERİ

Döner Eleman Yüzey Seçenekleri :

Karbon, Sic, Tuc

Sabit Eleman Yüzey Seçenekleri :

Seramik, Sic, Tuc, Cr-Ni

Elastomerler :

Viton (FKM), EPDM, Nitril (NBR)

	d ₁	d ₂	d ₄	d ₆	d ₇	l ₃	tail	l ₆	l ₅	l ₅
6	18	23	8	22.0	8.0	+0.5/0	4.0	0.5	3.5	
8S	20	23	10	22.0	11.0	+0.5/0	4.0	0.5	3.5	
8	24	27	10	26.0	11.0	+0.5/0	8.0	1.0	6	
3/8"	24	27	12	25.4	11.0	+0.5/0	5.5	0.5	4.5	
3/8"	24	27	12	25.4	11.0	+0.5/0	7.5	1.0	5.5	
10	24	27	12	26.0	11.0	+0.5/0	8.0	1.0	6	
11	24	27	13	26.0	11.0	+0.5/0	8.0	1.0	6	
12C	24	27	14	26.0	11.0	+0.5/0	8.0	1.0	6	
12	24	27	14	26.0	12.8	+0.7/0	8.0	1.0	6	
1/2"	24	27	15	25.4	12.8	+0.7/0	7.5	1.0	5.5	
13	24	27	15	26.0	12.8	+0.7/0	8.0	1.0	6.0	
14S	28	30	18	28.5	12.8	+0.7/0	7.5	1.0	5.5	
14L	28	30	18	28.5	15.3	± 0.8	7.5	1.0	5.5	
14	32	35	16	29.5	12.8	+0.7/0	8.0	1.0	6.0	
15	32	35	17	29.5	12.8	+0.7/0	8.0	1.0	6.0	
16R	32	35	18	29.5	12.8	+0.7/0	8.0	1.0	6.0	
16	39	43	18	38.0	12.8	+0.7/0	8.0	1.0	6.0	
16	39	43	18	42.0	12.8	+0.7/0	8.0	1.0	6.0	
17	39	43	19	42.0	12.8	+0.7/0	8.0	1.0	6.0	
18	39	43	20	42.0	12.8	+0.7/0	8.0	1.0	6.0	
19	39	43	21	42.0	12.8	+0.7/0	8.0	1.0	6.0	
20	39	43	22	42.0	12.8	+0.7/0	8.0	1.0	6.0	
20S	42	47	22	45.0	12.8	+0.7/0	10.0	1.0	8.0	
22	42	47	24	45.0	12.8	+0.7/0	10.0	1.0	8.0	
23	47	52	25	50.0	13.5	+1/0	10.0	1.0	8.0	
24	47	52	26	50.0	13.5	+1/0	10.0	1.0	8.0	
25R	42	52	27	50.0	13.5	+1/0	10.0	1.0	8.0	
25	47	52	27	50.0	13.5	+1/0	10.0	1.0	8.0	
26	47	52	29	50.0	13.5	+1/0	10.0	1.0	8.0	
27	47	52	30	50.0	13.5	+1/0	10.0	1.0	8.0	
28	54	60	31	57.0	15.0	+1/0	10.0	1.0	8.0	
30	54	60	33	57.0	15.0	+1/0	10.0	1.0	8.0	
32	54	60	35	57.0	15.0	+1/0	10.0	1.0	8.0	
35	60	70	38	63.0	16.0	+1/0	10.0	1.0	8.0	
38	65	75	41	68.0	18.0	+1/0	12.0	2.0	9.0	
40	65	75	43	68.0	18.0	+1/0	12.0	2.0	9.0	
45	70	80	48	73.0	20.0	+1/0	12.0	2.0	9.0	
50	85	95	53	88.0	23.0	+1/0	15.0	2.0	12.0	
60	105	115	63	110.0	30.0	+1/0	15.0	2.0	12.0	

ÇALIŞMA LİMİTLERİ

d1 14 - 85 mm

p 12 bar

t -30 + 200 °C

Vg 15 m / sn

YÜZEY SEÇENEKLERİ

Döner Eleman Yüzey Seçenekleri :

Karbon, Silisyumkarbür, Tungstenkarbür

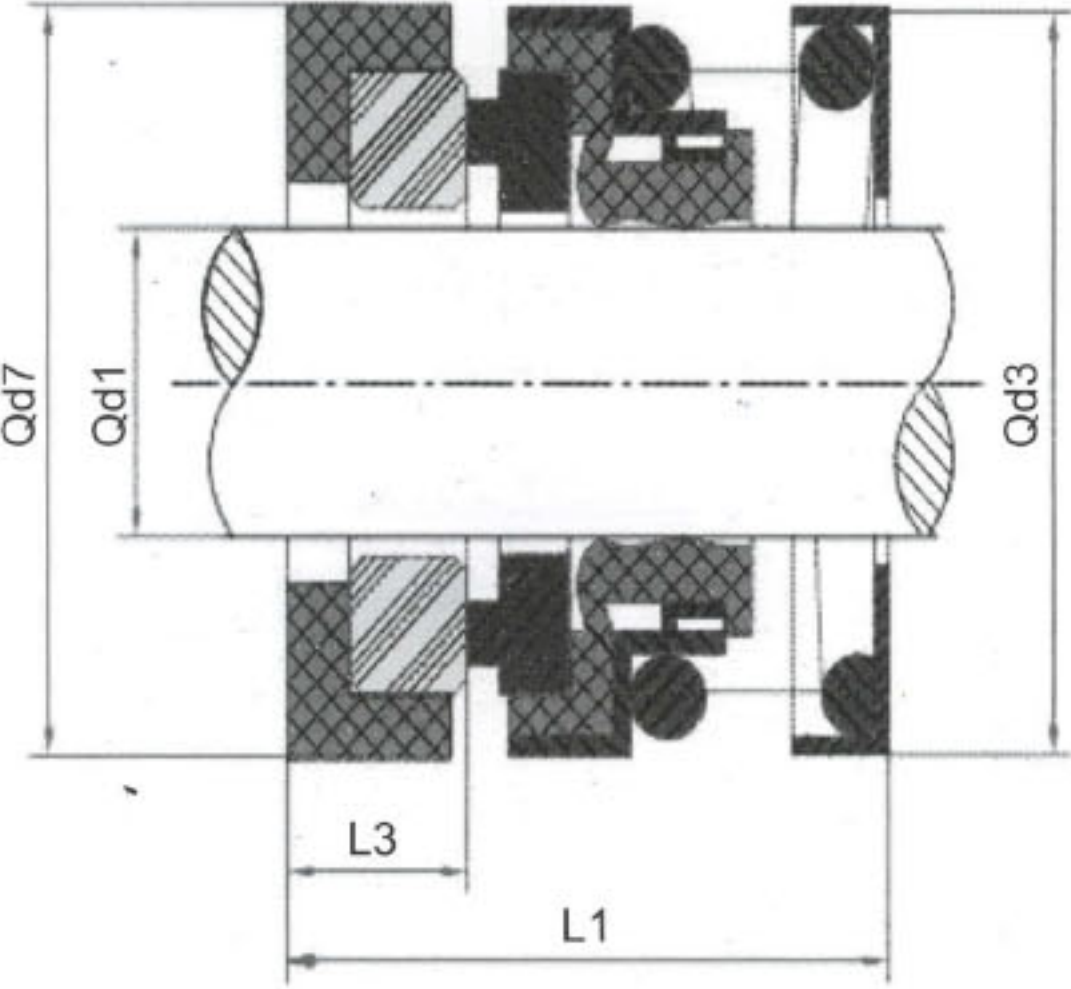
Sabit Eleman Yüzey Seçenekleri :

Seramik, Sic, Cr-Ni, Tuc

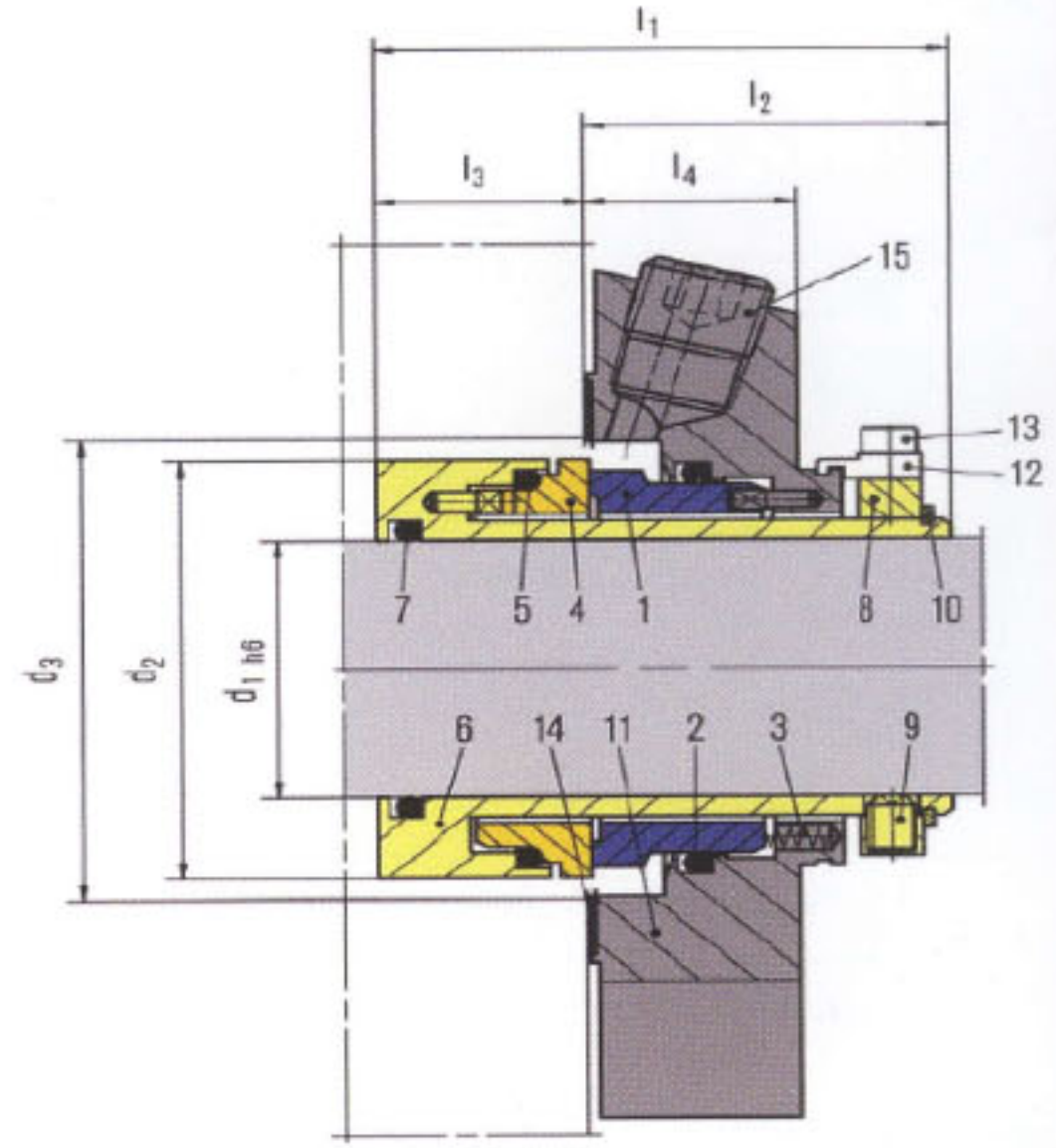
Elastomerler :

Viton (FKM), EPDM, Nitril (NBR)

U.S. 560



d1	d3	d7	L1	L3
14	24.5	25	35.0	8
16	26.8	27	35.0	8
18	31.8	33	37.5	10
20	32.5	35	37.5	10
22	36.5	37	37.5	10
24	38.8	39	40.0	10
25	38.8	40	40.0	10
28	46.5	43	42.5	10
30	46.5	45	42.5	10
32	46.5	48	42.5	10
33	49.5	48	42.5	10
35	49.5	50	42.5	11
38	54.0	56	45.0	11
40	57.0	58	45.0	11
43	61.5	61	45.0	11
45	61.5	63	45.0	11
48	70.6	66	45.0	11
50	70.6	70	47.5	11
53	70.6	73	47.5	12
55	76.0	75	47.5	12
58	79.6	78	52.5	12
60	79.6	80	52.5	12
63	84.6	83	52.5	12
65	84.6	85	52.5	13



ÇALIŞMA LİMİTLERİ

d1	25 - 100 mm
p	25 bar (Karbon + Sic / Karbon+Tuc)
p	12 bar (Sic+Sic / Tuc+Tuc)
t	-40 / + 220° C
Vg	16 m/sn (Karbon+Sic / Karbon+Tuc)
Vg	10 m/sn (Sic+Sic / Tuc+Tuc)

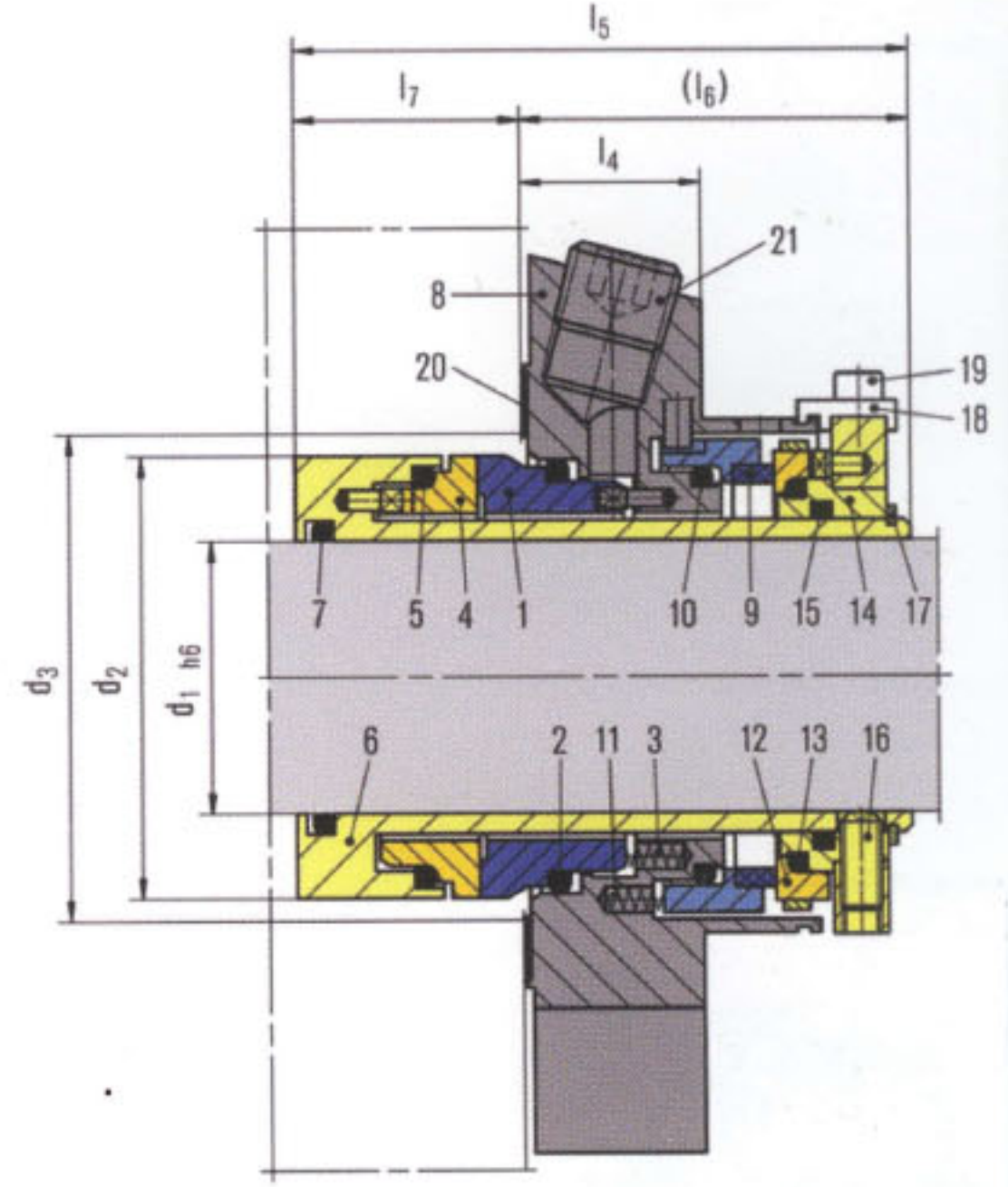
YÜZEY SEÇENEKLERİ

Döner Eleman Yüzey Seçenekleri :
Karbon, Sic, Tuc
Sabit Eleman Yüzey Seçenekleri :
Sic, Tuc, Karbon
Elastomerler :
Viton (FKM), EPDM, PTFE

PARÇA TANIMLAMA

1	Sabit Eleman Yüzeyi	10	Segman
2,5,7	O-ring	11	Gövde
3	Yay	12	Tırnak
4	Döner Eleman Yüzeyi	13	Vida
6	Mil Burcu	14	Conta
8	Baskı Bileziği	15	Bağlantı Girişi
9	Setskur	16	Dudaklı keçe
(RS- K 410 QN / SN)			

d1	d2	d3min.	d3max.	l1	l2	l3	l4	l12	l13	l14	l15	l16	l17	a1	da	s
25	43.0	44.0	51.5	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	62	105	13.2
28	46.0	47.0	52.0	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	62	105	13.2
30	48.0	49.0	56.0	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	65	105	13.2
32	49.8	51.0	57.0	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	67	110	13.2
33	49.8	51.0	57.0	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	67	110	13.2
35	53.0	54.0	61.5	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	70	113	13.2
38	56.0	57.0	66.0	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	75	123	13.2
40	58.0	59.0	68.0	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	75	123	14.2
42	60.5	61.5	69.5	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	80	133	14.2
43	60.5	61.5	70.5	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	80	133	14.2
45	62.5	64.0	73.0	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	81	138	14.2
48	65.6	67.0	75.0	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	84	138	14.2
50	68.0	69.0	78.0	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	87	148	14.2
53	72.0	73.0	87.0	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	97	148	18.0
55	73.0	74.0	83.0	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	90	148	18.0
60	78.0	79.0	91.0	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	102	157	18.0
65	84.8	85.7	98.5	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	109	163	18.0
70	93.0	95.0	108.0	67	42.4	24.6	25.4	35.0	32.0	17.5	79.5	53.4	26.1	118	178	18.0
75	100.0	101.6	118.0	84	57.4	26.6	28.0	46.1	37.9	22.0	98.0	63.9	34.1	129	190	18.0
80	106.4	108.0	124.0	84	57.4	26.6	28.0	46.1	37.9	22.0	98.0	63.9	34.1	135	195	18.0
85	109.5	111.1	128.0	84	57.4	26.6	28.0	46.1	37.9	22.0	98.0	63.9	34.1	139	198	22.0
90	115.9	117.5	135.0	84	57.4	26.6	28.0	46.1	37.9	22.0	98.0	63.9	34.1	145	205	22.0
95	119.1	120.7	138.0	84	57.4	26.6	28.0	46.1	37.9	22.0	98.0	63.9	34.1	148	208	22.0
100	125.4	127.0	144.0	84	57.4	26.6	28.0	46.1	37.9	22.0	98.0	63.9	34.1	154	218	22.0



ÇALIŞMA LİMİTLERİ

d1	25 - 100 mm
p	25 bar (Karbon + Sic / Karbon+Tuc)
p	20 bar (Sic+Sic / Tuc+Tuc)
t	-40 / + 220° C
Vg	16 m/sn (Karbon+Sic / Karbon+Tuc)
Vg	~10 m/sn (Sic+Sic / Tuc+Tuc)

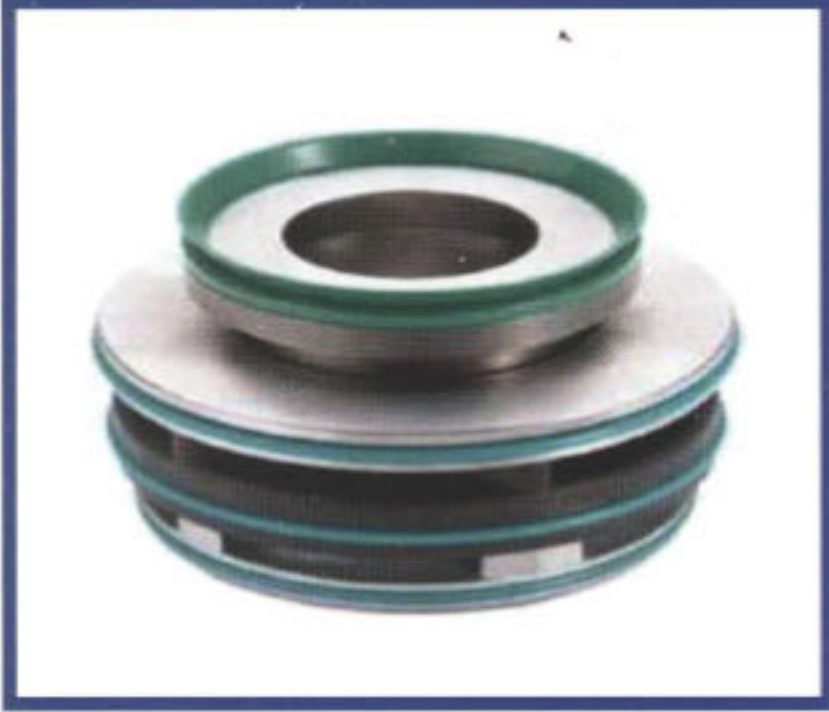
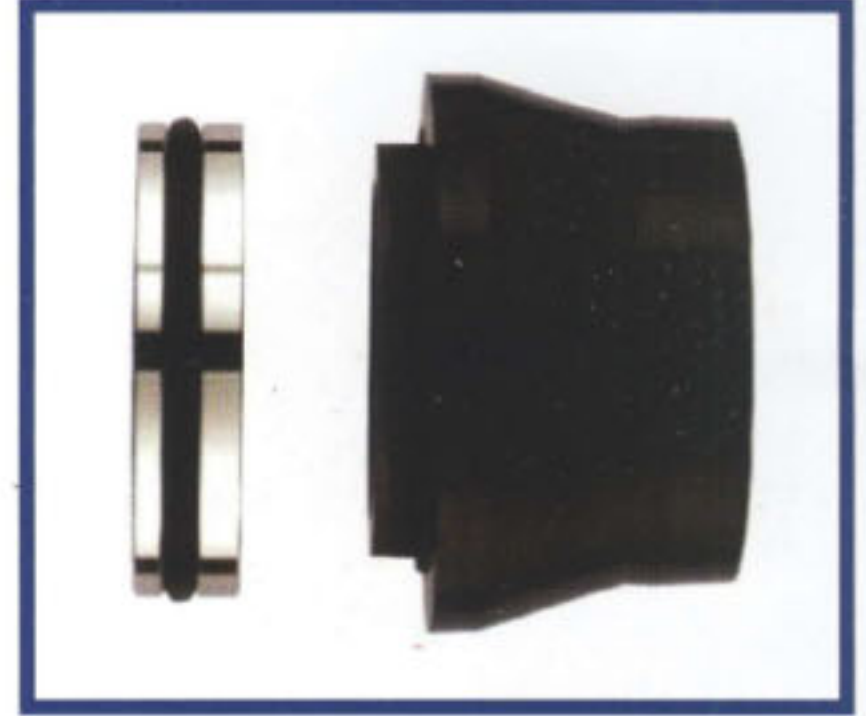
YÜZEY SEÇENEKLERİ

Döner Eleman Yüzey Seçenekleri :	Karbon, Sic, Tuc
Sabit Eleman Yüzey Seçenekleri :	Sic, Tuc, Karbon
Elastomerler :	Viton (FKM), EPDM, PTFE

PARÇA TANIMLAMA

1	Sabit Eleman (ürün)	14	Baskı Bileziği
2,5,7,10,13,15	O-ring	16	Set skur
3, 11	Yay	17	Segman
4	Döner Eleman (ürün)	18	Tırnak
6	Mil Burcu	19	Vida
8	Baskı Bileziği	20	Conta
9	Sabit Eleman (atmosfer)	21	Bağlantı Girişi
12	Döner Eleman (atmosfer)	22	Conta

d1	d2	d3 min.	d3 max.	l4	l5	l6	l7	a2	da	s
25	43.0	44.0	51.5	25.4	86.5	53.4	33.1	62	105	13.2
28	46.0	47.0	52.0	25.4	86.5	53.4	33.1	61	105	13.2
30	48.0	49.0	56.0	25.4	86.5	53.4	33.1	67	105	13.2
32	49.8	51.0	57.0	25.4	86.5	53.4	33.1	70	110	13.2
33	49.8	51.0	57.0	25.4	86.5	53.4	33.1	70	110	13.2
35	53.0	54.0	61.5	25.4	86.5	53.4	33.1	72	113	13.2
38	56.0	57.0	66.0	25.4	86.5	53.4	33.1	75	123	13.2
40	58.0	59.0	68.0	25.4	86.5	53.4	33.1	77	123	14.2
42	60.5	61.5	69.5	25.4	86.5	53.4	33.1	80	133	14.2
43	60.5	61.5	70.5	25.4	86.5	53.4	33.1	80	133	14.2
45	62.5	64.0	73.0	25.4	86.5	53.4	33.1	82	138	14.2
48	65.6	67.0	75.0	25.4	86.5	53.4	33.1	85	138	14.2
50	68.0	69.0	78.0	25.4	86.5	53.4	33.1	87	148	14.2
53	72.0	73.0	87.0	25.4	86.5	53.4	33.1	97	148	18.0
55	73.0	74.0	83.0	25.4	86.5	53.4	33.1	92	148	18.0
60	78.0	79.0	91.0	25.4	86.5	53.4	33.1	102	157	18.0
65	84.8	85.7	98.5	25.4	86.5	53.4	33.1	109	163	18.0
70	93.0	95.0	108.0	25.4	86.5	53.4	33.1	118	178	18.0
75	100.0	101.6	118.0	28.0	108.0	63.9	44.1	129	190	18.0
80	106.4	108.0	124.0	28.0	108.0	63.9	44.1	135	195	18.0
85	109.5	111.1	128.0	28.0	108.0	63.9	44.1	139	198	22.0
90	115.9	117.5	135.0	28.0	108.0	63.9	44.1	145	205	22.0
95	119.1	120.7	138.0	28.0	108.0	63.9	44.1	148	208	22.0
100	125.4	127.0	144.0	28.0	108.0	63.9	44.1	154	218	22.0

U.S. GRF 1**U.S. FLY 2****U.S. FLY 3****U.S. FRİ 32****U.S. FRİ 320****U.S. FRİF****U.S. M320****U.S. 853-854****U.S. 1002****U.S. 562 D****U.S. 754****U.S. AP 25-36**

U.S. GRF 706 C



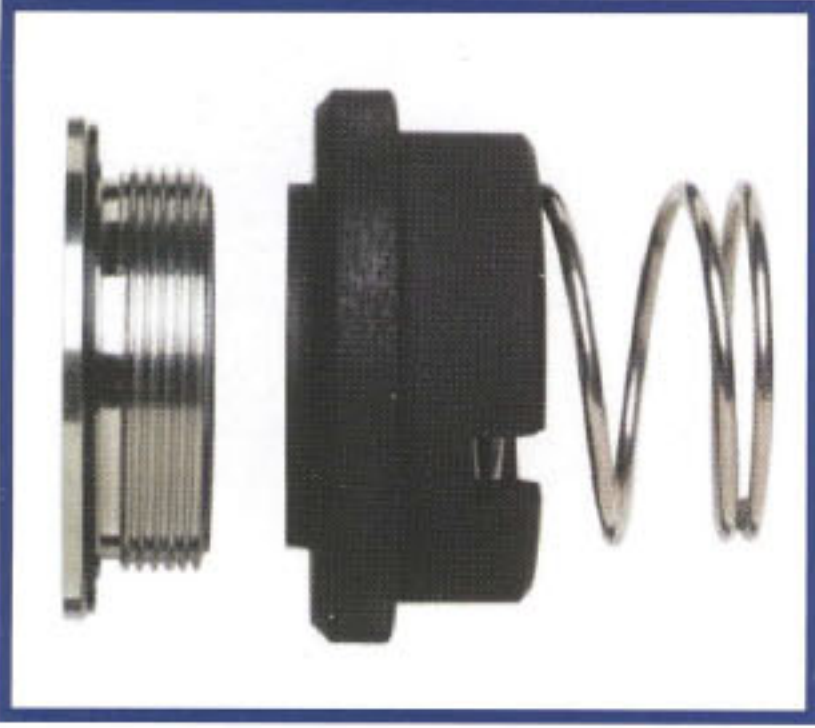
U.S. 550



U.S. 723



U.S. 751



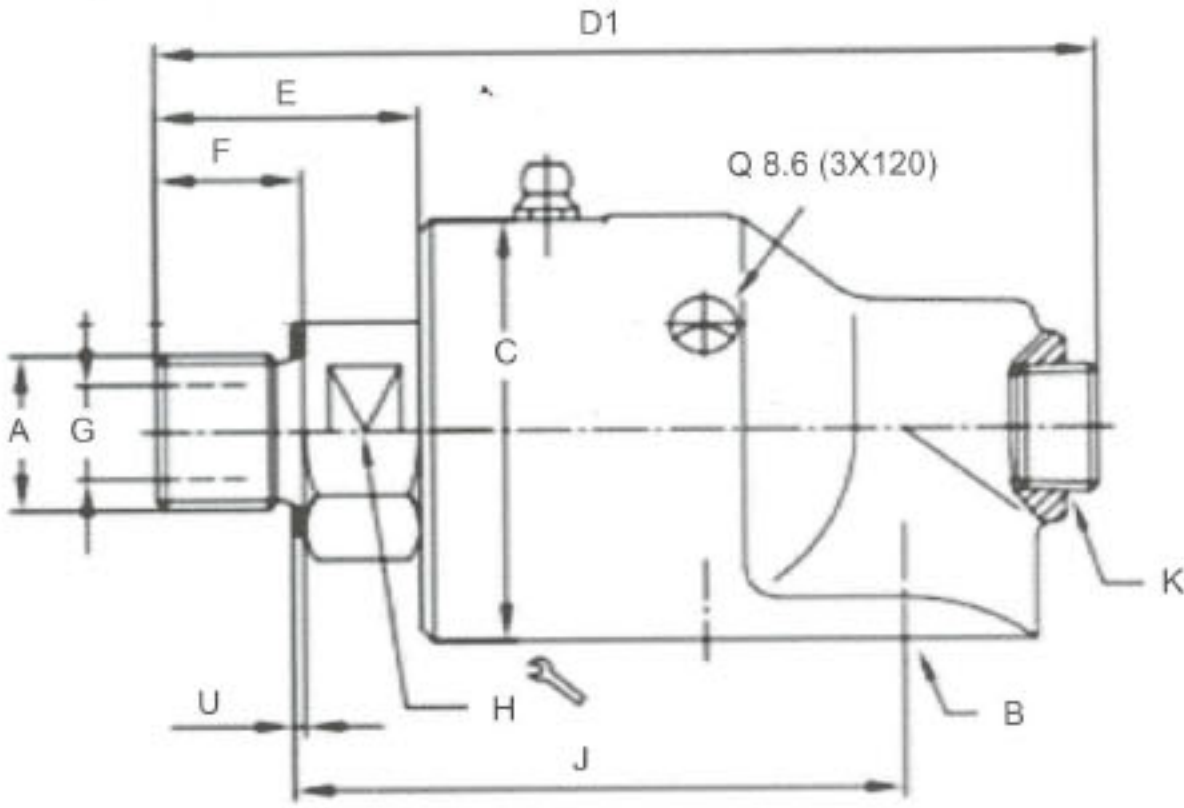
U.S. 752



U.S. 753



DBL 001 SU BAŞLIĞI (TEK HATLI)



DBL 001 DÖNER BAĞLANTI ELEMANI (SU, HAVA, BUHAR, HİDROLİK, VAKUM)

Tek hatlı ve Çift Hatlı Tasarım
Kendinden Destekli (Rulmanlı)
Basınç Dengeli Sızdırmazlık
Dövme Pirinç Gövde
Gövde Üzerinde Sızıntı Deliği
Paslanmaz Çelik Şaft
Kolay Yedek Parça Temini

ÇALIŞMA LİMİTLERİ

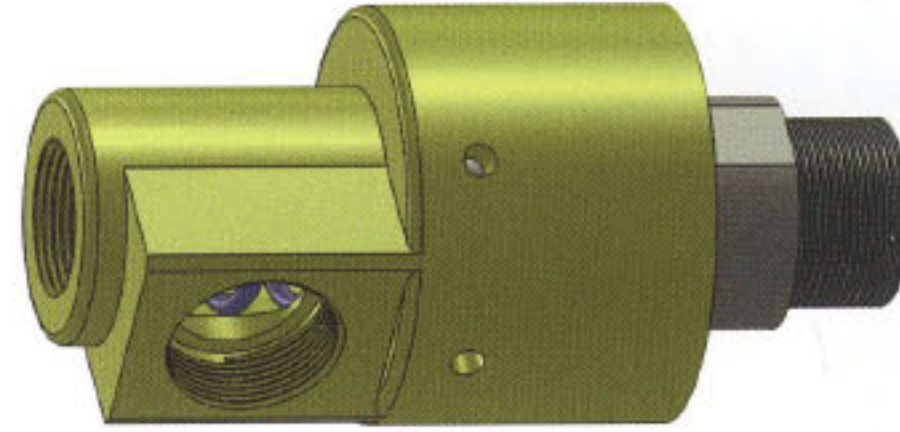
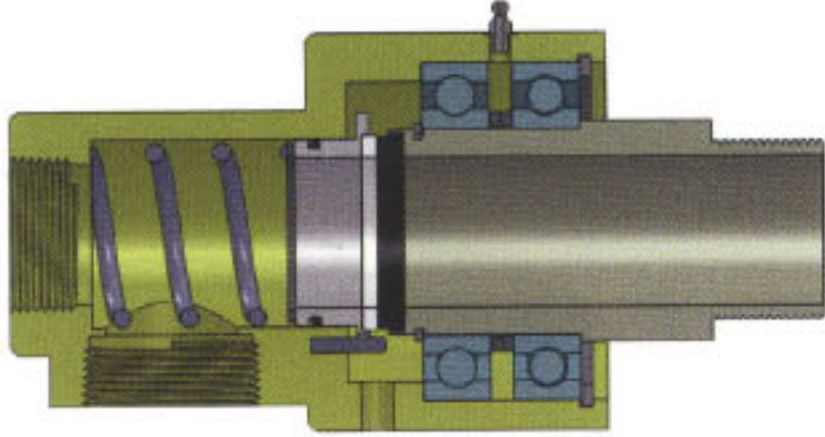
Maksimum Su Basıncı	50 Bar
Maksimum Su Sıcaklığı	150 °C
Maksimum Buhar Basıncı	9 Bar
Maksimum Buhar Sıcaklığı	150 °C
Maksimum Devir	3500 devir/dk

SIZDIRMAZLIK GRUBU

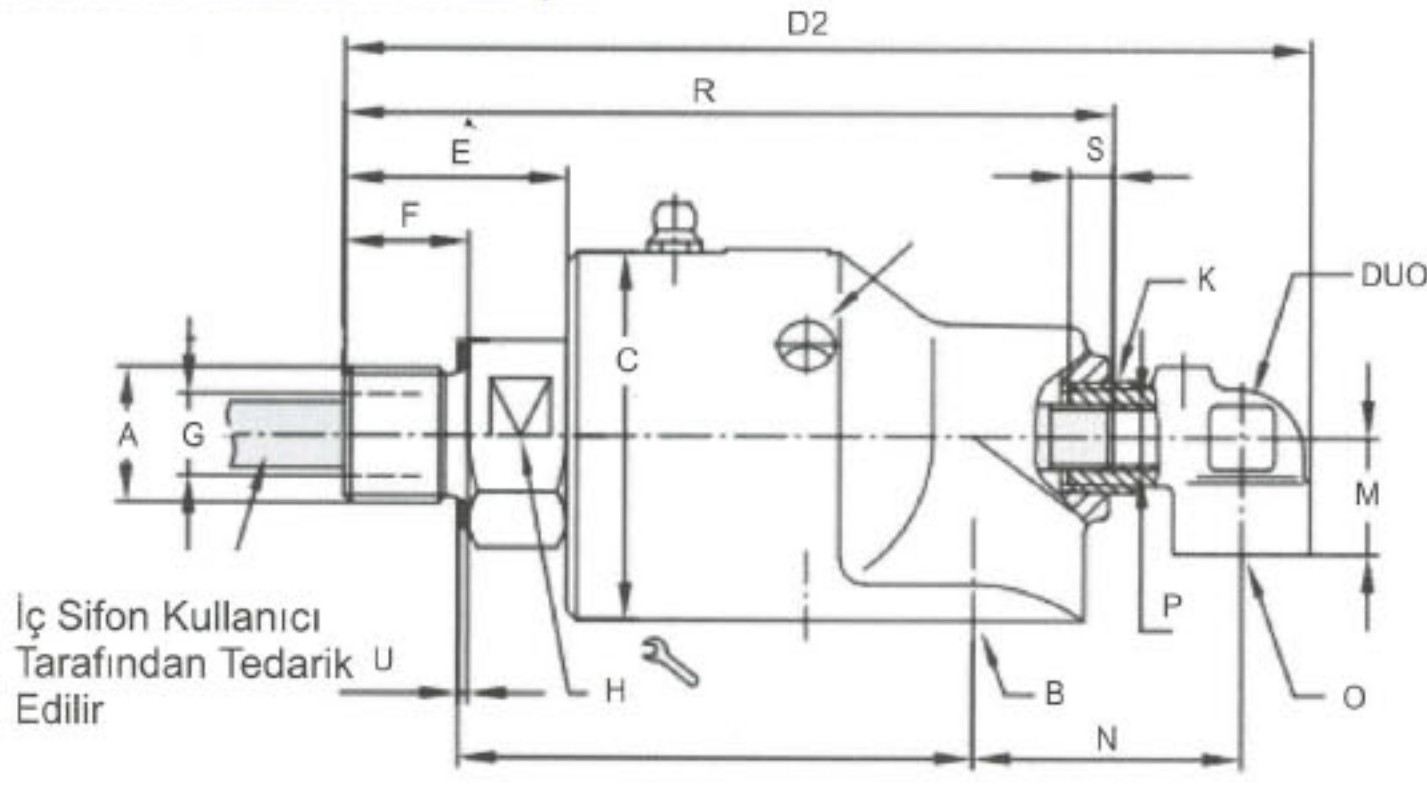
Karbon + Seramik
Karbon + Sic
Sic + Sic

DİŞ TİPLERİ

BSPP	Whitworth Paralel Düz Boru Diş
BSPT	Whitworth Konik Boru Diş
NPT	Amerikan Konik Boru Diş



DN	A	B	K	SIZDIRMAZLIK ELM KAR + SER	SIZDIRMAZLIK ELM KARBON + SIC	SIZDIRMAZLIK ELM sic + sic	C	D1	E	F	G	H	J	U
10	3/8 RH	3/8	1/4	1300-037-101	1300-037-201	1300-037-301	45	100	26	16	10	22	64	1,5
	3/8 LH			1300-037-102	1300-037-202	1300-037-302								
15	1/2 RH	1/2	3/8	1300-050-101	1300-050-201	1300-050-301	57	119	35	19	12,7	30	79	1,5
	1/2 LH			1300-050-102	1300-050-202	1300-050-302								
20	3/4 RH	3/4	1/2	1300-075-101	1300-075-201	1300-075-301	73	136	34	19	17,5	36	95	2
	3/4 LH			1300-075-102	1300-075-202	1300-075-302								
	3/4 FLANŞLI			1300-075-103	1300-075-203	1300-075-303								
25	1 RH	1	3/4	1300-100-101	1300-100-201	1300-100-301	83	163	42	22	25	36	108	2
	1 LH			1300-100-102	1300-100-202	1300-100-302								
	1 FLANŞLI			1300-100-103	1300-100-203	1300-100-303								
32	1 1/4 RH	1 1/4	1	1300-125-101	1300-125-201	1300-125-301	91	189	54	28	31,8	46	119	2
	1 1/4 LH			1300-125-102	1300-125-202	1300-125-302								
	1 1/4 FLANŞLI			1300-125-103	1300-125-203	1300-125-303								
40	1 1/2 RH	1 1/2	1 1/4	1300-150-101	1300-150-201	1300-150-301	108	228	72	29	38	55	149	2
	1 1/2 LH			1300-150-102	1300-150-202	1300-150-302								
	1 1/2 FLANŞLI			1300-150-103	1300-150-203	1300-150-303								
50	2 RH	2	1 1/2	1300-200-101	1300-200-201	1300-200-301	118	248	65	29	47,6	60	165	2,5
	2 LH			1300-200-102	1300-200-202	1300-200-302								
	2 FLANŞLI			1300-200-103	1300-200-203	1300-200-303								



DBL 002 DÖNER BAĞLANTI ELEMANI (SU, HAVA, BUHAR, HİDROLİK, VAKUM)

Tek hatlı ve Çift Hatlı Tasarım
Kendinden Destekli (Rulmanlı)
Basınç Dengeli Sızdırmazlık
Dövme Pirinç Gövde
Gövde Üzerinde Sızıntı Deliği
Paslanmaz Çelik Şaft
Kolay Yedek Parça Temini

Çift Geçişli Döner Bağlantı elemanları Giriş ve Çıkış hatları merdanenin tek tarafında olan uygulamalar için kullanılır. Ek bir destek olmaksızın iç sifon borusunun uzunluğu 4 x D2 uzunluğunu geçmemelidir

ÇALIŞMA LİMİTLERİ

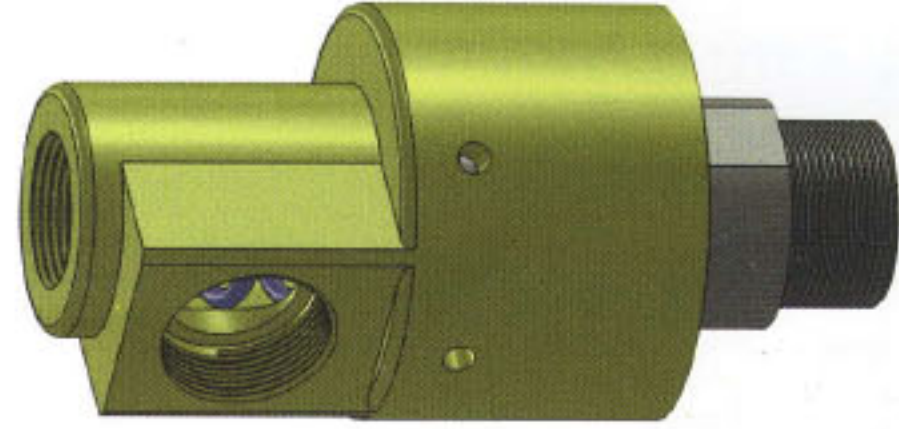
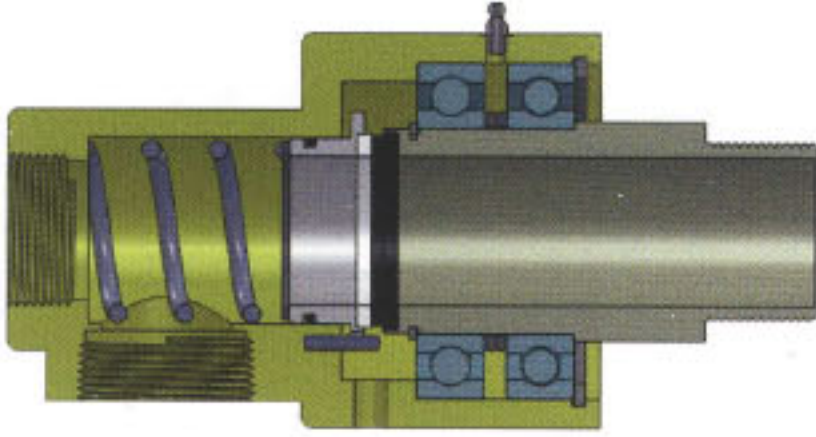
Maksimum Su Basıncı	50 Bar
Maksimum Su Sıcaklığı	150 °C
Maksimum Buhar Basıncı	9 Bar
Maksimum Buhar Sıcaklığı	150 °C
Maksimum Devir	3500 devir/dk

SIZDIRMAZLIK GRUBU

Karbon + Seramik
Karbon + Sic
Sic + Sic

DIŞ TIPLERİ

BSPP	Whitworth Paralel Düz Boru Diş
BSPT	Whitworth Konik Boru Diş
NPT	Amerikan Konik Boru Diş



DN	A	B	K	O	SIZD. ELM KARBON SERAMİK	SIZD ELM KARBON sic	SIZD ELM sic sic	C	R	D2	E	F	G	H	J	U	M	N	P	S
10	3/8 RH	3/8	1/4	1/4	1310-037-101	1310-037-201	1310-037-301	45	100	124	26	16	10	22	64	1,5	18	36	M6	8
	3/8 LH				1310-037-102	1310-037-202	1310-037-302													
15	1/2 RH	1/2	3/8	3/8	1310-050-101	1310-050-201	1310-050-301	57	119	147	35	19	13	30	79	1,5	18	40	1/8	8
	1/2 LH				1310-050-102	1310-050-202	1310-050-302													
20	3/4 RH	3/4	1/2	1/2	1310-075-101	1310-075-201	1310-075-301	73	136	171	34	19	18	36	95	2,0	26	46	1/4	12
	3/4 LH				1310-075-102	1310-075-202	1310-075-302													
	3/4 FLANŞLI				1310-075-103	1310-075-203	1310-075-303													
25	1 RH	1	3/4	1/2	1310-100-101	1310-100-201	1310-100-301	83	163	200	42	22	25	36	108	2,0	28	59	3/8	12
	1 LH				1310-100-102	1310-100-202	1310-100-302													
	1 FLANŞLI				1310-100-103	1310-100-203	1310-100-303													
32	1 1/4 RH	1 1/4	1	3/4	1310-125-101	1310-125-201	1310-125-301	91	189	234	54	28	32	46	119	2,0	35	72	1/2	14
	1 1/4 LH				1310-125-102	1310-125-202	1310-125-302													
	1 1/4 FLANŞLI				1310-125-103	1310-125-203	1310-125-303													
40	1 1/2 RH	1 1/2	1 1/4	3/4	1310-150-101	1310-150-201	1310-150-301	108	228	270	72	29	38	55	149	2,0	38	76	3/4	16
	1 1/2 LH				1310-150-102	1310-150-202	1310-150-302													
	1 1/2 FLANŞLI				1310-150-103	1310-150-203	1310-150-303													
50	2 RH	2	1 1/2	1 1/4	1310-200-101	1310-200-201	1310-200-301	118	248	312	65	29	48	60	165	2,5	45	96	1	26
	2 LH				1310-200-102	1310-200-202	1310-200-302													
	2 FLANŞLI				1310-200-103	1310-200-203	1310-200-303													

NOVA 001 BUHAR BAŞLIĞI

NOVA 001 DÖNER BAĞLANTI ELEMANI (BUHAR, KIZGINYAĞ, SU)

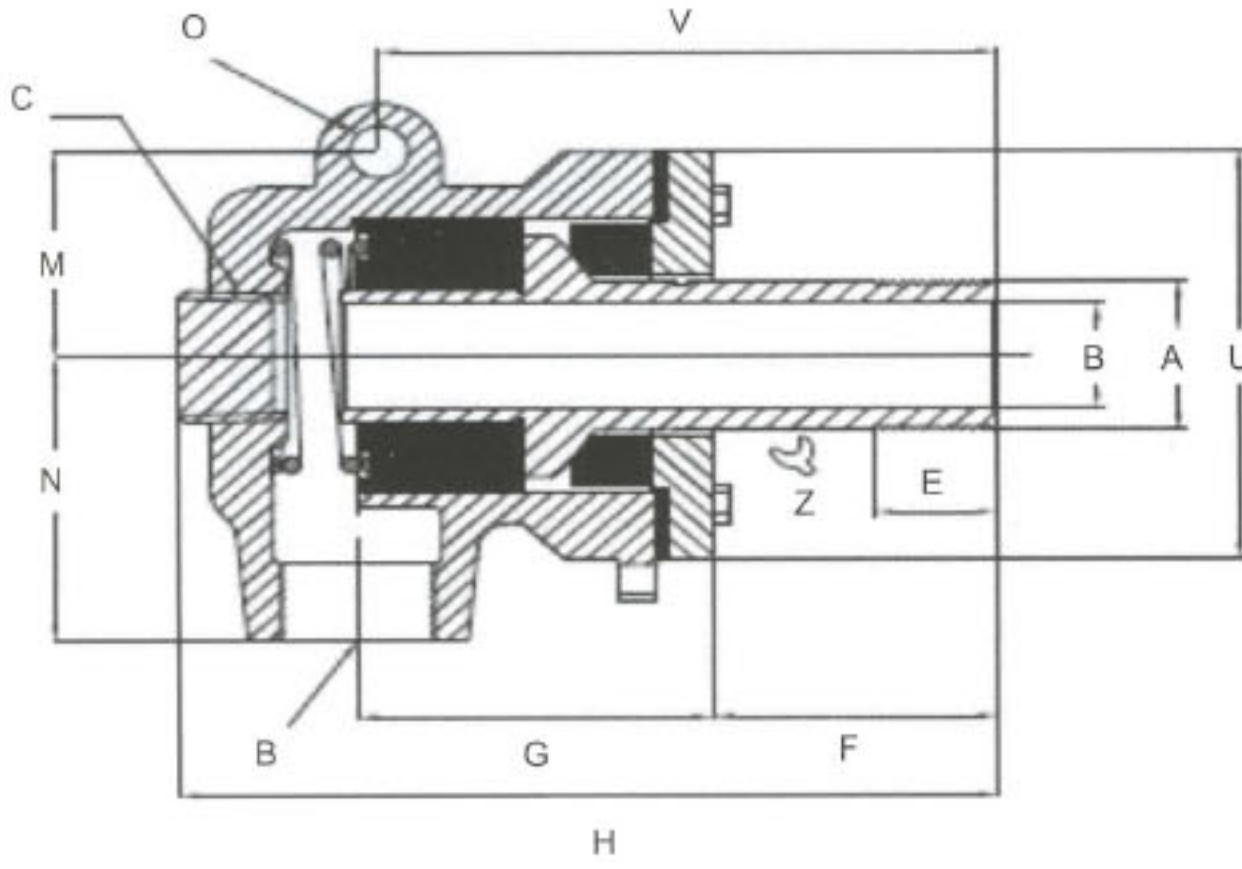
Tek hatlı ve Çift Hatlı Tasarım
Sfero Döküm Gövde
Kendinden Destekli (Karbon Yataklama)
Sızdırmazlık Küresel Karbon
Paslanmaz Çelik Şaft
Dişli ve Flanşlı Bağlantı
Kolay Yedek Parça Temini

ÇALIŞMA LİMİTLERİ

Maksimum Buhar Basıncı	17 Bar
Maksimum Sıcaklık	200 °C
Maksimum Kızgın Yağ Basıncı	10 Bar
Maksimum Kızgın Yağ Sıcaklığı	350 °C
Maksimum Su Basıncı	17 Bar
Maksimum Su Sıcaklığı	200 °C
Maksimum Devir	400 d/dk

DİŞ TİPLERİ

BSPP	Whitworth Paralel Düz Boru Diş
BSPT	Whitworth Konik Boru Diş
NPT	Amerikan Konik Boru Diş



DN	A	B	C	BUHAR BAŞLIĞI	KIZGIN YAĞ BAŞLIĞI	D	E	F	G	H	M	N	O	R	S	T	U	V
15	1/2 RH	1/2	3/8	1400-050-101	1420-050-101	15	18	43	59	128	42	54	12	6	11	22	92	99
	1/2 LH			1400-050-102	1420-050-102													
	1/2 FLANŞLI			1400-050-103	1420-050-103													
20	3/4 RH	3/4	1/2	1400-075-101	1420-075-101	20	20	47	65	142	45	60	12	8	13	28	92	111
	3/4 LH			1400-075-102	1420-075-102													
	3/4 FLANŞLI			1400-075-103	1420-075-103													
25	1 RH	1	3/4	1400-100-101	1420-100-101	25	22	50	71	153	48	67	12	8	13	33	98	118
	1 LH			1400-100-102	1420-100-102													
	1 FLANŞLI			1400-100-103	1420-100-103													
32	1 1/4 RH	1 1/4	1	1400-125-101	1420-125-101	32	23	56	80	173	59	76	15	8	13	43	110	134
	1 1/4 LH			1400-125-102	1420-125-102													
	1 1/4 FLANŞLI			1400-125-103	1420-125-103													
40	1 1/2 RH	1 1/2	1 1/4	1400-150-101	1420-150-101	40	23	63	95	199	73	89	15	10	16	48	138	154
	1 1/2 LH			1400-150-102	1420-150-102													
	1 1/2 FLANŞLI			1400-150-103	1420-150-103													
50	2 RH	2	1 1/2	1400-200-101	1420-200-101	50	27	67	108	228	79	102	16	10	16	63	158	179
	2 LH			1400-200-102	1420-200-102													
	2 FLANŞLI			1400-200-103	1420-200-103													

NOVA 002 BUHAR BAŞLIĞI (ÇİFT HATLI)

NOVA 002 DÖNER BAĞLANTI ELEMANI (BUHAR, KIZGINYAĞ, SU)

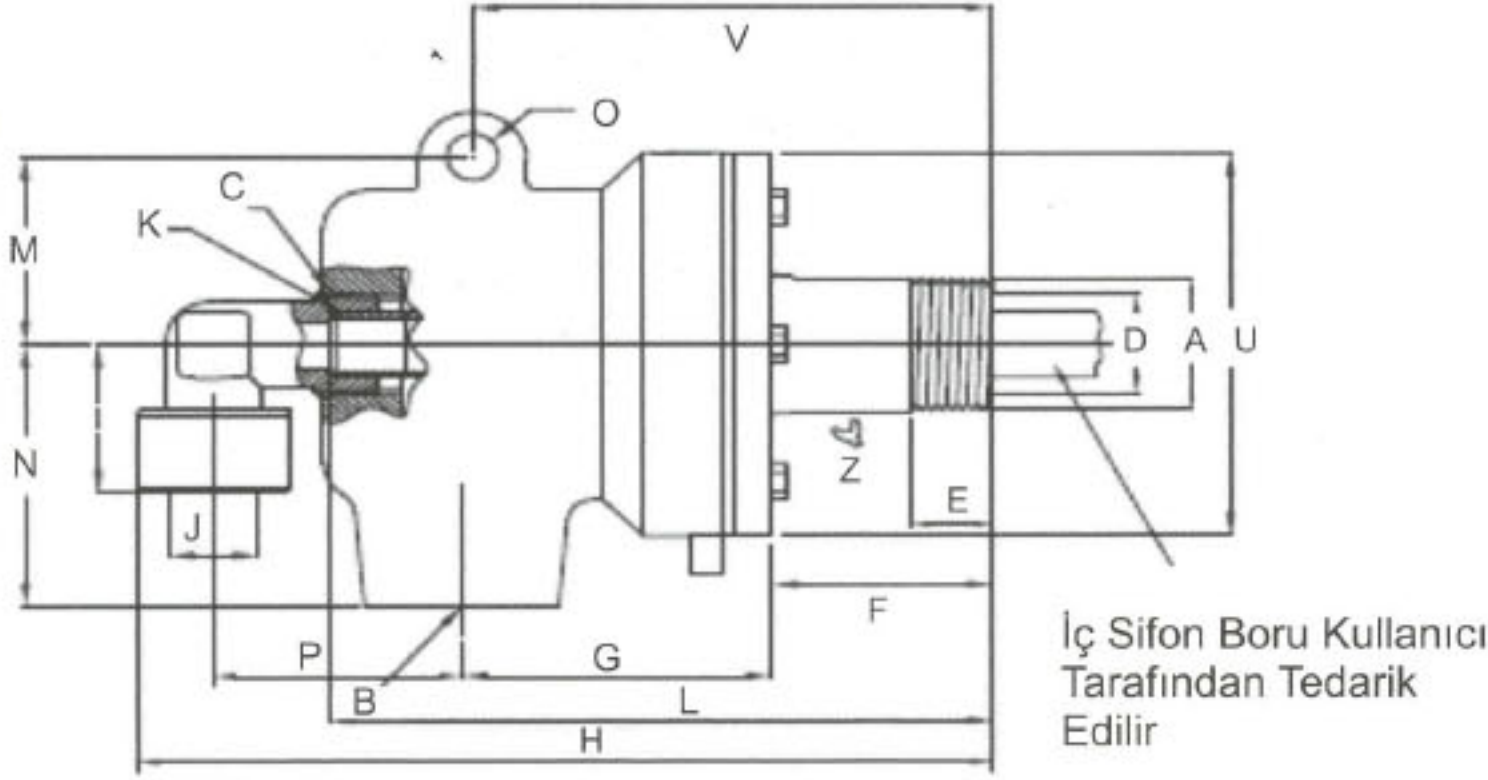
Tek hatlı ve Çift Hatlı Tasarım
Sfero Döküm Gövde
Kendinden Destekli (Karbon Yataklama)
Sızdırmazlık Küresel Karbon
Paslanmaz Çelik Şaft
Dişli ve Flanşlı Bağlantı
Kolay Yedek Parça Temini

ÇALIŞMA LİMİTLERİ

Maksimum Buhar Basıncı	17 Bar
Maksimum Sıcaklık	200 °C
Maksimum Kızgın Yağ Basıncı	10 Bar
Maksimum Kızgın Yağ Sıcaklığı	350 °C
Maksimum Su Basıncı	17 Bar
Maksimum Su Sıcaklığı	200 °C
Maksimum Devir	400 d/dk

DIŞ TİPLERİ

BSPP Whitworth Paralel Düz Boru Diş
BSPT Whitworth Konik Boru Diş
NPT Amerikan Konik Boru Diş



DN	A	B	C	J	K	BUHAR BAŞLIĞI	KIZGIN YAĞ BAŞLIĞI	D	E	F	G	H	I	L	M	N	O	P	R	S	T	U	V
15	1/2 RH	1/2	3/8	3/8	1/8	1410-050-101	1430-050-101	15	18	43	59	159	32	128	42	54	12	45	6	11	22	92	99
	1/2 LH					1410-050-102	1430-050-102																
	1/2 FLANŞLI					1410-050-103	1430-050-103																
20	3/4 RH	3/4	1/2	1/2	1/8 1/4	1410-075-101	1430-075-101	20	20	47	65	177	33	141	45	60	12	52	8	13	28	92	111
	3/4 LH					1410-075-102	1430-075-102																
	3/4 FLANŞLI					1410-075-103	1430-075-103																
25	1 RH	1	3/4	3/4	1/4 3/8	1410-100-101	1430-100-101	25	22	50	71	196	38	152	48	67	12	57	8	13	33	98	118
	1 LH					1410-100-102	1430-100-102																
	1 FLANŞLI					1410-100-103	1430-100-103																
32	1 1/4 RH	1 1/4	1	1	1/2	1410-125-101	1430-125-101	32	23	56	80	215	38	172	59	76	15	63	8	13	43	110	134
	1 1/4 LH					1410-125-102	1430-125-102																
	1 1/4 FLANŞLI					1410-125-103	1430-125-103																
40	1 1/2 RH	1 1/2	1 1/4	1 1/4	1/2 3/4	1410-150-101	1430-150-101	40	23	63	95	242	38	198	73	89	15	66	10	16	48	138	154
	1 1/2 LH					1410-150-102	1430-150-102																
	1 1/2 FLANŞLI					1410-150-103	1430-150-103																
50	2 RH	2	1 1/2	1 1/2	1/2 3/4 1	1410-200-101	1430-200-101	50	27	67	108	268 282	38 45	224	79	102	16	76 84	10	16	63	158	179
	2 LH					1410-200-102	1430-200-102																
	2 FLANŞLI					1410-200-103	1430-200-103																

MEKANİK SALMASTRALARIN ÇALIŞMA ORTAMINA GÖRE SEÇİMİ

Ürün Adı	Sıcaklık	Konsantrasyon	Döner Eleman	Sabit Eleman	O-ring	Ürün Adı	Sıcaklık	Konsantrasyon	Döner Eleman	Sabit Eleman	O-ring	Ürün Adı	Sıcaklık	Konsantrasyon	Döner Eleman	Sabit Eleman	O-ring
A						Asfalt	≤ 120		S1	B1	V	Ç					
Acı Su			U21	V1	P	Asfalt	≤ 200		S1	B1	M1						
Adipinik asit			V1	B1	V	Asitli su			A	S1							
Ağartma toprağı			U21	U21	V	Asitli katran			V1	B1	V	Çam esansı			S1	B1	V
Ağır su						ASTM yağı No. 1, 2, 3, 4			V1	B1	M1	Çamaşır suyu			S1	B1	V
Akrilonitril			V1	B1	M1	Ayrıştırma sirkülasyon sıvısı (şeker end.)			S1	B1	V	Çamaşır suyu, kirlı			V1	B1	V
Akü asidi, (Sülfat asidi)			V1	B1	V	Azot (gaz)			U13	U13	V	Çamur			U21	U21	V
Alçı çamuru, jips			U21	U21	P				S1	B1	M1	Çikolata macunu			U21	U21	V
Alkid reçineleri			V1	B1	M1				S1	B1	M1	Çimento harcı			U21	U21	V
Alkil alkol			S1	B1	V							Çinko boya (suda çözünebilir)			S1	B1	V
Alkil aseton			V1	B1	M1							Çinko fosfat			V1	B1	M1
Alkil benzen			S1	B1	V	B			S1	B1	V	Çinko klorür			V1	B1	V
Alkil klorür			V1	B1	M1	Baharatlı ekmek hamuru			V1	B1	E	Çinko monohidrat			U21	U21	V
Alkiat			S1	B1	V	Bakır-asetat çözeltisi			V1	B1	E	Çinko nitrat			V1	B1	M1
Alkol			S1	B1	E	Bakır-(I)-klorür çözeltisi			V1	B1	E	Çinko oksit			U21	U21	M1
Aluminyum asetat			U21	U21	E	Bakır nitrat			V1	B1	M1	Çinko siyanür			V1	B1	M1
Aluminyum florür			V1	B1	E	Bakır siyanür			V1	B1	M1	Çinko sülfat			V1	B1	M1
Aluminyum klorat	100	25	V1	B1	M1	Bakır sülfat çözeltisi (göztaşı)			V1	B1	V	Çinko vitriyol			U21	U21	E
Aluminyum klorür			V1	B1	V	Bakır tetramin asetat			V1	B1	M1	Çözücü eriyik			S1	B1	V
Aluminyum nitrat			S2	B1	E	Bal			S1	B1	V	Çözücü nafta			S1	B1	V
Aluminyum sülfat			U21	U21	V	Balık ezmesi			U	U13	E						
Aluminyum trietil			V1	B1	M1	Balık yağı			S1	B1	V	D					
Amil alkol			S1	B1	E	Baryum hidroksit			U21	U21	E						
Amil asetat			S1	B1	M1	Baryum klorür			V1	B1	V						
Amil benzoat			S1	B1	M1	Baryum nitrat			V1	B1	M1						
Amil bütriat			S1	B1	M1	Benzen sülfonik asit			V1	B1	M1	DDT çözeltisi			S1	B1	V
Amil fitalat			S1	B1	M1	Benzin			S1	B1	V	Dekalin (dekahidronaftalin)			S1	B1	V
Amil format			S1	B1	M1	Benzoikasit			S1	B1	V	Dekstrin			S1	B1	V
Amil nitrat			S1	B1	M1	Beyaz likör (ağartma suyu)			V1	B1	M1	Dekstroz			U21	U21	M1
Amil propionat			S1	B1	M1	Bezir yağı			S1	B1	V	Demirfosfat çözeltisi			V1	B1	V
Amino sülfirik asit			V1	B1	M1	Bira			U13	U13	V	Demir - (III) - klorür çözeltisi			V1	B1	V
Amonyak (gaz)			S1	B1	E	Bira mayası			U13	U13	V	Demir - (III) - sülfat			V1	B1	V
Amonyak (sıvı)			S1	B1	E	Bitki özü ezmesi			S1	B1	V	Demir - (II) - sülfür			V1	B1	M1
Amonyak (sulu)			S1	B1	E	Bitüm			S1	B1	M1	Deniz suyu			V1	B1	P
Amonyak tuzu (amonyum klorür, nişadır)			V1	B1	E	Bitüm emilasyonu			S1	B1	V	Deniz suyu, kirlı			U21	U21	P
Amonyum asetat			V1	B1	M1	Boraks çözeltisi			V1	B1	P	Desmodur R ®			S1	B1	M1
Amonyum biflorür			V1	B1	M1	Borik asit			V1	B1	V	Desmodur T ®			S1	B1	M1
Amonyum bikarbonat			U21	U21	M1	Borotriklorür			V1	B1	M1	Desmophen ®			S1	B1	M1
Amonyum bromür			V1	B1	M1	Boya likörü, ağartıcı maddeli			U41	C1	M1	Deterjanlar			S1	B1	V
Amonyum fosfat			S1	B1	M1	Boya likörü, ağartıcı maddesiz			S2	B1	V	Dişkı			U13	U13	V
Amonyum hidroksit		5	S1	B1	E	Böcek ilaçları (ensektisitler)			S1	B1	V	Diaseton alkol			S1	B1	M1
Amonyum hidroksit		> 5	S1	B1	E	Brom, sulu			V1	Y2	M1	Dibütil eter			V1	B1	M1
Amonyum karbonat			U21	U21	M1	Bromolityum tuzu çözeltisi			V1	B1	M1	Dibütil fitalat (DBP)			V1	A	M1
Amonyum klorür (amonyak tuzu, nişadır)			V1	B1	E	Buhar			S1	B1	E	(Palatinol C ®, plastisayz)					
Amonyum nitrat (sıcak)			S1	B1	E	Bunker yağı ve yakıtı			S1	B1	V	Dietanolamin (DEA)	25		V1	B1	M2
Amonyum persülfat			U21	V1	E	Bütadyen			U21	A	V	Dietil bromür benzenleri			V1	B1	V
Amonyum sülfat			U21	U21	E	Bütan			S1	A	V	Dietil eter			S1	B1	M1
Amonyum sülfat			V1	B1	E	Bütandiol			S1	B1	M1	Dietil fitalat			S1	B1	M1
+ % 10 H2 SO4	100					Bütanol (bütil alkol)			S1	B1	E	Dietil karbonat			S1	B1	M1
Amonyum sülfat			S1	B1	M1	Bütanon (metil etil keton: MEK)			U21	B1	M2	Dietilen glikol			S1	B1	V
Amonyum tiosiyanat			V1	B1	M1	Bütil alkol			S1	B1	E	Dietilen triamin			V1	B1	M1
Ana çözelti			U21	U21	E	Bütilamin			U21	B1	M1	Difenil	≤ 150		S1	B1	V
Anilin			S1	B1	M2	Bütil asetat			V1	B1	M1	Difenil	≤ 220		S1	B1	M1
Anilin boyaları			S2	B1	M2	Bütil benzoat			S1	B1	M1	Diklorasetik asit			V1	B1	M1
Anilin hidroklorür			V1	B1	M2	Bütil bütriat			S1	B1	M1	Diklorbenzen			S1	B1	V
Anilin yağı	20		S1	B1	V	Bütil fitalat			S1	B1	M1	Dikloreten			V1	B1	M1
Anilin yağı	> 20		S1	B1	M2	Bütil format			S1	B1	M1	Dikloretilen			S1	B1	V
Antifriz çözeltisi (glikoller)			S1	B1	E	Bütil fosfat			S1	B1	M1	Diklor metan			V1	B1	M1
Antiklor (sodyum tiosülfat)			V1	B1	V	Bütil propionat			S1	B1	M1	Dimentil fitalat (DMP)			S1	B1	V
Antrasen yağı			S1	B1	M1	Bütillen			S1	A	V	Dimetil formamid (DMF)			S1	B1	E
Apres (tekstil)			S2	B1	V	Bütrik asit			S2	B1	M1	Dimetil keton			S1	B1	E
Arcton ®			S1	B1	E	C						Dimetil terafitalat (DMT)			S1	B1	M1
Argon			S1	B1	M1							Dimetil sülfoksit			S1	B1	V
Aroklar			K	B1	V							Dinitroklorbenzen			S1	B1	M1
Arsenik asit			V1	B1	V	Calgon® (sodyum heksametafosfat)			V1	B1	E	Dioktilamin			V1	B1	M1
Asetaldehid			S1	B1	M2	Calgonit R® (kostik soda doşfat silikat)				B1	E	Dioktil fitalat (DOP)			S1	B1	V
Asetanhidrid (asetik asit anhidrid)			V1	B1	M2	Calgonit S® (üre nitrat)			V1	B1	E	(Palatinol AH ®, plastisayz)					
Asetat çözeltisi			V1	B1	M1	Cellosolve			S1	B1	M1	Distile su (saf su)			S1	A	E
Asetik asit	100	10	V1	B1	M2	Ceviz yağı			S1	B1	V	Diş macunu			U13	U13	V
Asetik asit anhidrid (asetanhidrid)			V1	B1	M2	Cıva			S1	B1	V	Divinil benzen			K	B1	M1
Asetik asit etilik ester (etil asetat)			V1	B1	M2	Cıva biklorür			V1	B1	M1	Dizel yakıtı (motorin)			S1	B1	V
Asetil klorür			V1	B1	V	Cıva klorür			V1	B1	M1	Dodosil benzen			S1	B1	V
Asetilen			S1	D1	M1	Cıva nitrat			V1	B1	V	Doğal gaz			S1	A	V
Asetilen tetraklorür (tetrakloreten)			V1	B1	M1	Cıva tuzları			V1	B1	M1	Donyağı			S1	B1	V
Asetilen triklorür (triklorasetilen)			V1	B1	M1	Cilt kremi			S1	B1	V	Dondurma			S1	B1	V
Asetoasetik ester	20	25	S1	B1	E	Chlorothene			V1	B1	V	Dowtherm ® A	≤ 220		S1	B1	M1
Aseton	kaynar	tam	S2	B1	E	Coin ®			S1	B1	V	Doymuş yağ asitleri			S2	B1	V
Aseton	20	tam	S1	B1	E							Doymuş yağlı alkol sülfanat			V1	B1	V
												DTE Hafif yağ			S1	B1	V



Ürün Adı	Sıcaklık	Konsantrasyon	Döner Eleman	Sabit Eleman	O-ring	Ürün Adı	Sıcaklık	Konsantrasyon	Döner Eleman	Sabit Eleman	O-ring	Ürün Adı	Sıcaklık	Konsantrasyon	Döner Eleman	Sabit Eleman	O-ring
E						G											
Ekmek hamuru			S1	B1	V	Gallik asit			S1	B1	V	İzobütilen			S1	A	V
Elektroforetik vernikler		10	U13	U13	V	Galvanik banyolar			V1	B1	V	İzofitalik asit metil ester			S1	B1	M1
Elektroforetik vernikler		> 10	V1	B1	V	Gaz yıkama suyu			S1	B1	V	İzoforon nitril			S1	B1	M1
Elektrolit siyanür			V1	B1	P	Gazozlar			S1	B1	V	İzoforon nitrit			S1	B1	M1
Elma püresi			S1	B1	P	Gazozlar			S1	B1	V	İzooktan			S1	B1	V
Elma suyu			S1	B1	P	Gazyağı	<140		S1	B1	V	İzopentan			U21	B1	M1
Emaye hamuru			U21	U21	P	Gazyağı	<220		S1	B1	M1	İzopropil alkol			S1	B1	V
Emülsiyon durdurucu			S1	B1	V	Gazyağı, ağır			S1	B1	V	İzopropil amin			V1	B1	M1
Ensektisitler (böcek ilaçları)			S1	B1	V	Gilotherm ®	<220		S1	B1	M1	İzopropil asetat			S1	B1	M2
Epiklorhidrin (ECH)			S1	B1	E	Glasiyal (buzlu) asetik asit			V1	B1	E	İzopropil eter			S1	B1	M1
Epoksi reçine çözeltisi			V1	B1	M1	Glauber tuzu (sodyum sülfat)			V1	B1	V	İzopropil nitrat			V1	B1	M1
Ester			S1	B1	M1	Glikol (etilen glikol)			S1	B1	E	İzosiyanat (Desmodur T 80 p)			V1	B1	M1
Et suları			S1	B1	V	Glikol mono asetat			S1	B1	E	J					
Etanol (etil alkol)			S1	B1	E	Gliserin (gliserol)			S1	B1	E	Jelatin			S1	B1	V
Eter (etil eter)			S1	B1	M1	Glutaminik asit			V1	B1	M1	Jet yakıtı, JP4, JP5 (kerosen)			S1	B1	V
Eter sülfat			S1	B1	V	Glutarik asit			V1	B1	M1	K					
Etil akrilat			V1	B1	M1	Glükoz			S1	B1	V						
Etil alkol (etanol)			S1	B1	E	Grisiron			S1	B1	E						
Etil asetat (asetik ester)			V1	B1	M2	Guanidin hidroklorür			K	B1	M1						
Etil benzoat			S1	B1	M1	Gümüş nitrat			V1	Y	M1						
Etil bütrat			V1	B1	M1	H											
Etil eter (eter)			S1	B1	M1												
Etil fitalat			S1	B1	M1												
Etil format			S1	B1	M1	Halokarbon yağı			S1	B1	M1				S1	B1	M1
Etil hekzanol			S1	B1	V	Ham petrol			S1	B1	V				V1	B1	E
Etil klorür			V1	B1	V	Ham petrol, tuzlu suyla birlikte			V1	B1	V				U21	U21	V
Etil propionat			S1	B1	M1	Ham petrol, kum taneleriyle birlikte			U21	U21	V				V1	B1	M1
Etilen			U21	A	V	Ham petrol, kum taneleriyle birlikte			S1	B1	V				V1	B1	M1
Etilen bromür			V1	B1	V	Ham sabun			S1	B1	V				U21	U21	E
Etilen diklorür			V1	B1	M1	Ham şerbet (şeker çözeltisi)			U13	U13	V			10	S1	B1	E
Etilen glikol			S1	B1	E	Hardal			U13	U13	V			> 10	U21	U21	E
Etilen klorhidrin			S1	B1	V	Hardal ezmesi			V1	B1	V		80	5	V1	C1	V
Etilen klorür			V1	B1	M1	Helyum			S1	B1	M1		100	10	V1	C1	V
Etilen oksit (T gazı)			S1	B1	M1	Hekzakloraseton			S1	B1	M2				V1	B1	V
F						Hekzaklorbutadien (tripen)			V1	B1	Y				V1	B1	V
Fenil asetik asit			V1	B1	M1	Hekzan			S1	B1	V1				V1	B1	M1</



Ürün Adı	Sıcaklık	Konsantrasyon	Döner Eleman	Sabit Eleman	O-ring	Ürün Adı	Sıcaklık	Konsantrasyon	Döner Eleman	Sabit Eleman	O-ring	Ürün Adı	Sıcaklık	Konsantrasyon	Döner Eleman	Sabit Eleman	O-ring	
Kok fırın gazı (kömür gazı)			V1	B1	V	M						Nikotin sülfat			V1	B1	M1	
Kolofonyum			S1	B1	M1							Nişadır (amonyum klorür)			V1	B1	E	
Kolza yağı			S1	B1	V							Nişasta sütü			S1	B1	V	
Kolza tohumu yağı			S1	B1	V				V1	B1	V	Nitratlayıcı asit			V1	B1	M1	
Konsantre süt			S1	B1	V				U21	U21	V	Nitrik asit			U41	U41	M1	
Konserve suyu			V1	B1	M1				V1	B1	V	Nitrik asit, dumanlı			V1	Y1	M1	
Konyak			S1	B1	E				S1	B1	V	Nitrobenzen			S1	B1	M1	
Kostik kireci		10	S1	B1	E				V1	B1	M1	Nitrogliserin			S1	B1	V	
(kalsiyum hidroksit, sönmüş kireç)		> 10	U21	U21	E				V1	B1	M1	Nitrokloroform			V1	B1	M1	
Kostik potas		10	U21	U21	E				U13	U13	E	Nitrometan			V1	B1	M1	
(potasyum hidroksit)		> 20	U21	U21	E				U21	U21	E	Nitroselüloz			S1	B1	M1	
Kostik soda (sodyum hidroksit)		> 20	U21	U21	E				V1	B1	M1	Nitroselüloz lakları			S1	B1	M1	
Kostik soda alkali suyu		< 10	U21	U21	E				V1	B1	M1	Nitrozil sülfirik asit			V1	B1	M1	
Koyu şerbet (% 60 şeker çözeltisi)			U21	U21	V				V1	B1	M1	N-metil-prolidon (NMP)			S1	B1	M3	
Kömür çamuru			U13	U13	P				V1	B1	M1	Nonil fenol			V1	Y1	M1	
Kömür katranı		< 150	S1	B1	V				U21	V1	M1							
Kömür katran krezotu			S2	B1	M1				V1	B1	M1							
Kömür katranı yağı		< 220	S1	B1	M1				S1	B1	V							
Krema			S1	B1	V				V1	B1	M1							
Krezot			S2	B1	M1				V1	B1	M1					S1	B1	E
Krezilik asit			V1	A	M1				V1	B1	E					S1	B1	M1
Krezol			V1	A	M1				V1	B1	M1					S1	B1	V
Kripton			S1	B1	M1				V1	B1	V					V1	B1	M1
Krom oksit			V1	Y1	M1				S1	B1	V					S1	B1	V
Krom şapı			V1	B1	M1				V1	B1	V					S1	B1	M1
Kromik asit (saf)	20	10	V1	B1	V				S1	B1	V					U41	U41	M1
Kromik asit (saf)		> 10	U41	U41	V				S1	B1	M1					A	S1	V
Ksantojenat (viskoz)			S1	B1	V				V1	B1	M1					S1	B1	M1
Ksenon			S1	B1	M1				U13	U13	V					V1	B1	V
Ksilen			S1	B1	M1				V1	B1	M1					S1	B1	M1
Kumol (izopropilbenzen)			V1	B1	M1				U2	A	V					S1	B1	M1
Kurşun asetat			S1	B1	E				S1	B1	E							
Kurşun çamuru			U21	U21	E			S1	B1	M1								
Kuyruk yağı			V1	B1	M1			V1	B1	M1								
Kükürt, ergimiş			U21	U21	M			V1	B1	M1								
Kükürt dioksit			V1	B1	M1			S1	B1	E								
Kükürt hekzaflorür			V1	B1	V			S1	B1	M1								
Kükürt klorür			V1	B1	M1			S1	B1	M1								
Kükürt trioksit			V1	B1	M1			V1	B1	M1								



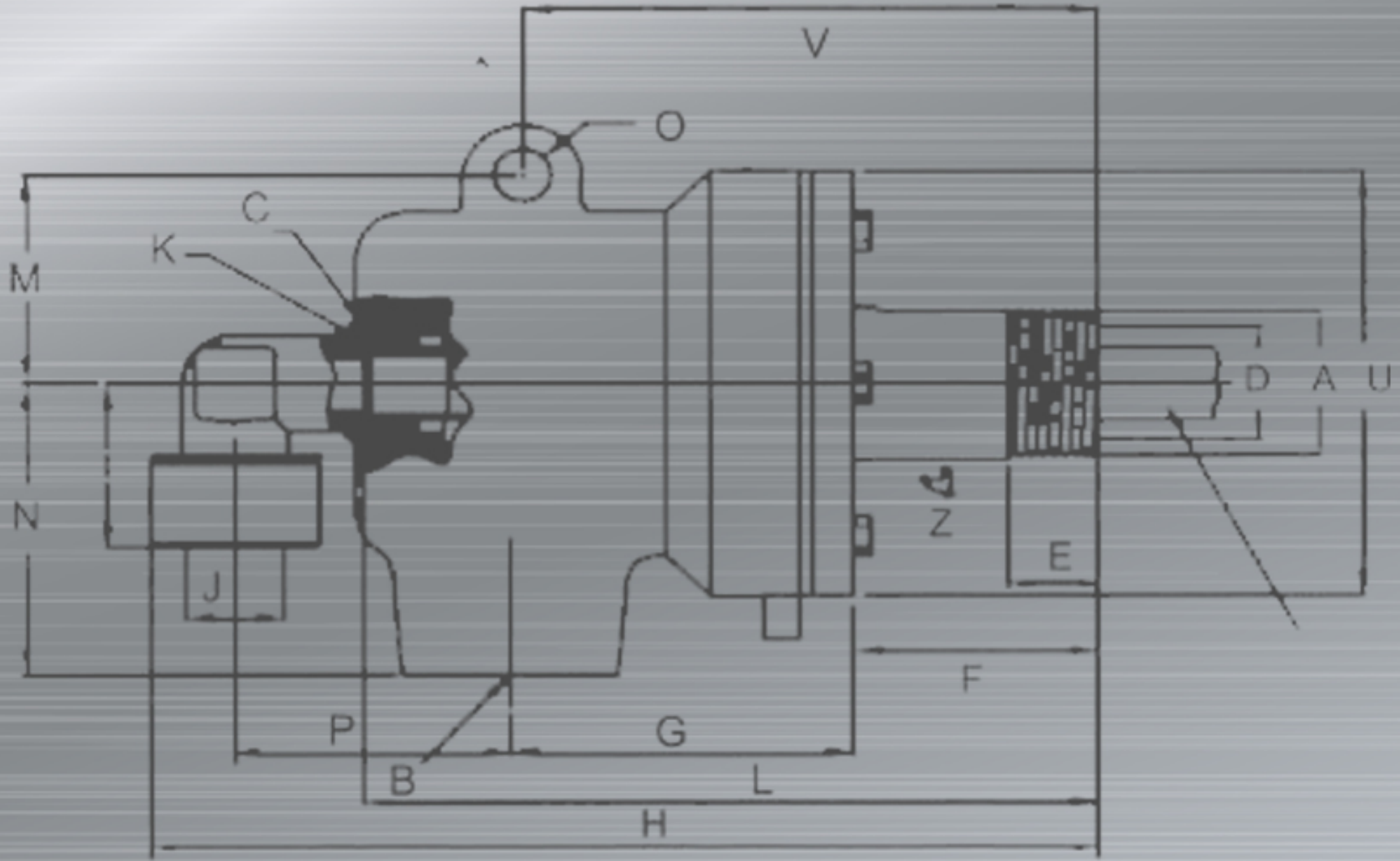
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EKİPMANLARI ve MAKİNA SAN. TİC. LTD. ŞTİ.**

MEKANİK SALMASTRALARIN ÇALIŞMA ORTAMINA GÖRE SEÇİMİ

Ürün Adı	Sıcaklık	Konsantrasyon	Döner Eleman	Sabit Eleman	O-ring	MALZEME KODLARI (DIN 24960' A GÖRE)
Ü						
Üre			U21	V1	E	A
Üre nitrat			V1	B1	E	B1
Üre reçinesi			U21	V1	M2	B3
Üre sentez çözeltisi (dıştan yıkama)			U21	B1	M2	B5
Üzüm sirkesi			S2	B1	E	C1
V						Y1
Vazelin			S1	B1	V	Y2
Vernik			V1	B1	M1	S1
Vinil asetat			S1	B1	M1	S2
Vinil klorür			V1	B1	M1	E
Viniliden klorür			V1	B1	M1	K
Viski			V1	B1	M1	T1
Viskoz			U21	U21	M2	T2
Y						U13
Yağlama yağı			S1	B1	V	U21
Yağlar : a) hayvansal yağlar			S1	B1	V	U22
b) bitkisel yağlar			S1	B1	V	U41
c) yağlama yağı			S1	B1	V	U42
Yağlı vernikler			S1	B1	M1	U31
(tampon sıvı: seyreltici madde)			S1	B1	M1	U32
Yangın söndürücü Komet ®			S1	B1	M1	U51
Yapıştırıcılar: a) hayvansal esaslı			S1	B1	V	U61
b) selüloz ester esaslı			S1	B1	E	U62
c) sentetik reçine esaslı			S1	B1	V	V1
d) bitkisel esaslı			S1	B1	V	P
Yerfıstığı yağı			S1	B1	V	E
Yumurta akı			S1	B1	V	V
Yumurta sarısı			S1	B1	V	M1
Yumuşak sabun			S1	B1	V	M2
Yüksek fırın gazı			S1	B1	V	M3
Z						M4
Zapon lakı			V1	B1	M1	M7
Zeytinyağı			S1	B1	V	M5
						S
						N
						B
						X1
						X2
						X3
						T1
						T2
						Y1
						Y2
						Y3
						A
						F
						D
						E
						F
						G
						M1
						M2
						M3
						M4
						T1
						T2



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Halil Rifat Paşa Mah. Perpa Tic. Mrk. B Blok Kat: 12
No: 2223 Okmeydanı - Şişli / İSTANBUL
Telefon: (0212) 221 39 40 Fax: (0212) 220 26 68