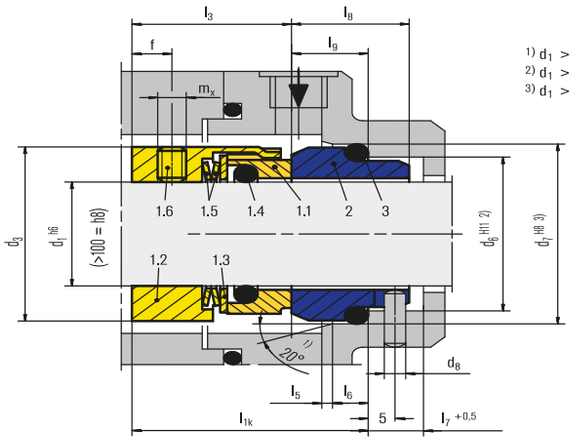
MEGASEAL®

MS - 7 / MS - 7 N



1) d_1 >100 mm: 30°
2) d_1 >100 mm: +0.1
3) d_1 >100 mm: H7

Product Description

- 1,1-Seal face
- 1,2-Drive collar
- 1,3-Thrust Ring
- 1,4-O-Ring
- 1,5-Wave Spring
- 1,6-Set Screw
- 3-O-Ring

Technical Features

- Single Seal
- Unbalanced
- Independent of rotation direction

Operating Range

- d1 = 14 - 200 mm
- p1 = 16 (25) bar
- t = -50 / 220 ˚C
- Vg = 20 m/sn

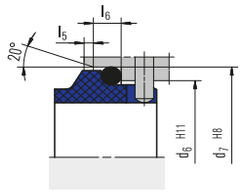
Material

- Rotary seal faces: Chrome Nickel Silicon carbide, Tungsten Carbide
- Stationary seal faces: Silicon carbide, Carbon,Tungsten Carbide, Chrome Nickel
- Elastomers : Viton (FKM), EPDM, Nitril (NBR) Silicon

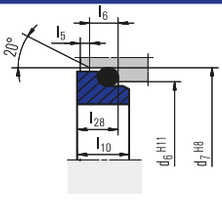
Stationary Seat Alternatives

- G-13 G-9 G-6 G-4 G-60

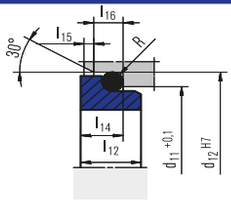
Seat alternatives



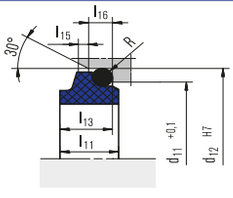
G9 (EN 12756)



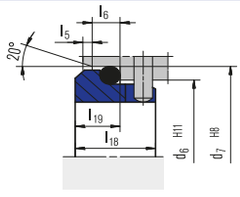
G6 (EN 12756)



G4



G13



G16 (EN 12756, but l_{1k} is shorter than specified)

Dimensions in mm

d_1	d_3	d_6	d_7	d_8	d_{11}	d_{12}	d_{24}	d_s	l_{1k}	l_3	l_5	l_6	l_7	l_8	l_9	l_{10}	l_{11}	l_{12}	l_{13}	l_{14}	l_{15}	l_{16}	l_{18}	l_{19}	l_{28}	b	f	mx	$u_{max.}$	t	R
14*	25	21	25	3	20.5	24.6	16	34	35	25	1.5	4	8.5	17.5	10	7.5	10	6.5	7.6	5.6	1.2	3.8	–	–	6.6	4	6	M5	10	1.5	1.2
16*	27	23	27	3	22	28	18	36	35	25	1.5	4	8.5	17.5	10	7.5	11.5	8.5	9	7.5	1.2	3.8	–	–	6.6	4	6	M5	10	1.5	1.5
18*	33	27	33	3	24	30	20	38	37.5	26	2	5	9	19.5	11.5	8.5	12.5	9	10	8	1.5	5	15	7	7.5	5	7	M5	12	1.1	1.5
20*	35	29	35	3	29.5	35	22	40	37.5	26	2	5	9	19.5	11.5	8.5	12.5	8.5	9.5	7.5	1.5	5	15	7	7.5	5	7	M5	12	1.1	1.5
22*	37	31	37	3	29.5	35	24	42	37.5	26	2	5	9	19.5	11.5	8.5	12.5	8.5	9.5	7.5	1.5	5	15	7	7.5	6	7	M5	12	1.5	1.5
24*	39	33	39	3	32	38	26	44	40	28.5	2	5	9	19.5	11.5	8.5	12.5	8.5	9.5	7.5	1.5	5	15	7	7.5	6	8	M5	12	1.5	1.5
25*	40	34	40	3	32	38	27	45	40	28.5	2	5	9	19.5	11.5	8.5	12.5	8.5	9.5	7.5	1.5	5	15	7	7.5	6	8	M5	12	1.5	1.5
28*	43	37	43	3	36	42	30	47	42.5	31	2	5	9	19.5	11.5	8.5	14	10	11	9	1.5	5	15	7	7.5	6	8	M6	13	1.5	1.5
30*	45	39	45	3	39.2	45	32	49	42.5	31	2	5	9	19.5	11.5	8.5	14	11.5	11	10.5	1.5	5	15	7	7.5	6	8	M6	13	1.5	1.5
32*	47	42	48	3	42.2	48	34	51	42.5	31	2	5	9	19.5	11.5	8.5	14	11.5	11	10.5	1.5	5	15	7	7.5	6	8	M6	13	1.5	1.5
33*	48	42	48	3	44.2	50	35	51	42.5	31	2	5	9	19.5	11.5	8.5	14.5	12	11.5	10.5	1.5	5	15	7	7.5	6	8	M6	13	1.5	1.5
35*	50	44	50	3	46.2	52	37	54	42.5	31	2	5	9	19.5	11.5	8.5	14.5	12	11.5	11	1.5	5	15	7	7.5	6	8	M6	13	1.5	1.5
38*	55	49	56	4	49.2	55	40	59	45	31	2	6	9	22	14	10	14.5	11.3	11.5	10.3	1.5	5	16	8	9	6	8	M6	13	1.5	1.5
40*	57	51	58	4	52.2	58	42	61	45	31	2	6	9	22	14	10	14.5	11.8	11.5	10.8	1.5	5	16	8	9	6	8	M6	13	1.5	1.5
43*	60	54	61	4	53.3	62	45	65	45	31	2	6	9	22	14	10	17	13.2	14.3	12	2	6	16	8	9	6	8	M6	13	1.5	2.5
45*	62	56	63	4	55.3	64	47	66	45	31	2	6	9	22	14	10	17	12.8	14.3	11.6	2	6	16	8	9	6	8	M6	13	1.5	2.5
48*	65	59	66	4	59.7	68.4	50	69	45	31	2	6	9	22	14	10	17	12.8	14.3	11.6	2	6	16	8	9	6	8	M6	13	1.5	2.5
50*	67	62	70	4	60.8	69.3	52	71	47.5	32.5	2.5	6	9	23	15	10.5	17	12.8	14.3	11.6	2	6	17	9.5	9.5	6	8	M6	13	1.5	2.5
53*	70	65	73	4	63.8	72.3	55	75	47.5	32.5	2.5	6	9	23	15	12	17	13.5	14.3	12.3	2	6	17	9.5	11	6	8	M6	13	1.5	2.5
55*	72	67	75	4	66.5	75.4	57	76	47.5	32.5	2.5	6	9	23	15	12	18	14.5	15.3	13.3	2	6	17	9.5	11	6	8	M6	13	1.5	2.5
58*	79	70	78	4	69.5	78.4	60	83	52.5	37.5	2.5	6	9	23	15	12	18	14.5	15.3	13.3	2	6	18	10.5	11	8	9	M8	13	1.9	2.5
60*	81	72	80	4	71.5	80.4	62	85	52.5	37.5	2.5	6	9	23	15	12	18	14.5	15.3	13.3	2	6	18	10.5	11	8	9	M8	13	1.9	2.5
63*	84	75	83	4	74.5	83.4	65	88	52.5	37.5	2.5	6	9	23	15	12	18	14.2	15.3	13.3	2	6	18	10.5	11	8	9	M8	13	1.9	2.5
65*	86	77	85	4	76.5	85.4	67	95	52.5	37.5	2.5	6	9	23	15	12	18	14.2	15.3	13	2	6	18	10.5	11	8	9	M8	13	1.9	2.5
68*	89	81	90	4	82.7	91.5	70	93	52.5	34.5	2.5	7	9	26	18	12.5	19	14.9	16	13.7	2	6	18.5	11	11.3	8	9	M8	13	1.9	2.5
70*	91	83	92	4	83	92	72	95	60	42	2.5	7	9	26	18	12.5	18	14.2	15.3	13	2	6	19	11.5	11.3	8	9	M8	16	1.9	2.5
75*	99	88	97	4	90.2	99	77	105	60	42	2.5	7	9	26	18	12.5	18	15.2	15.3	14	2	6	19	11.5	11.3	8	10	M8	16	1.9	2.5
80*	104	95	105	4	95.2	104	82	109	60	41.8	3	7	9	26.2	18.2	13	19	16.2	16.3	15	2	6	19	11.5	12	8	10	M8	16	1.9	2.5
85*	109	100	110	4	100.2	109	87	114	60	41.8	3	7	9	26.2	18.2	15	19	16	16.3	14.8	2	6	19	11.5	14	8	10	M8	16	1.9	2.5
90*	114	105	115	4	105.2	114	92	119	65	46.8	3	7	9	26.2	18.2	15	19	16	16.3	14.8	2	6	20.5	13	14	10	10	M8	20	2.3	2.5
95*	119	110	120	4	111.6	120.3	97	124	65	47.8	3	7	9	25.2	17.2	15	20	17	17.3	15.8	2	6	20.5	13	14	10	10	M8	20	2.3	2.5
100*	124	115	125	4	114.5	123.3	102	129	65	47.8	3	7	9	25.2	17.2	15	20	17	17.3	15.8	2	6	20.5	13	14	10	10	M8	20	2.3	2.5
105	138	122.2	134.3	5	–	–	108	143	67	47	2	10	12	30	20	–	–	–	–	–	–	–	–	–	–	10	10	M8	20	2.3	–
110	143	128.2	140.3	5	–	–	113	148	67	47	2	10	12	30	20	–	–	–	–	–	–	–	–	–	–	10	10	M8	20	2.3	–
115	148	136.2	148.3	5	–	–	118	153	67	47	2	10	12	30	20	–	–	–	–	–	–	–	–	–	–	10	10	M8	20	2.3	–
120	153	138.2	150.3	5	–	–	123	158	67	47	2	10	12	30	20	–	–	–	–	–	–	–	–	–	–	10	10	M8	20	2.3	–
125	158	142.2	154.3	5	–	–	128	163	67	47	2	10	12	30	20	–	–	–	–	–	–	–	–	–	–	10	10	M8	20	2.3	–
130	163	146.2	158.3	5	–	–	133	168	67	47	2	10	12	30	20	–	–	–	–	–	–	–	–	–	–	10	10	M8	20	2.3	–
135	168	152.2	164.3	5	–	–	138	173	67	47	2	10	12	30	20	–	–	–	–	–	–	–	–	–	–	10	10	M8	20	2.3	–
140	173	156.2	168.3	5	–	–	143	178	67	47	2	10	12	30	20	–	–	–	–	–	–	–	–	–	–	10	10	M8	20	2.3	–
145	178	161.2	173.3	5	–	–	148	183	67	47	2	10	12	30	20	–	–	–	–	–	–	–	–	–	–	10	10	M8	20	2.3	–
150	183	168.2	180.3	5	–	–	153	188	69	47	2	10	12	32	22	–	–	–	–	–	–	–	–	–	–	10	10	M8	20	2.3	–
155	191	173.2	185.3	5	–	–	158	196	80	56	2	12	12	34	24	–	–	–	–	–	–	–	–	–	–	12	12	M8	24	2.1	–
160	196	178.2	190.3	5	–	–	163	201	80	56	2	12	12	34	24	–	–	–	–	–	–	–	–	–	–	12	12	M8	24	2.1	–
165	201	183.2	195.3	5	–	–	168	206	80	56	2	12	12	34	24	–	–	–	–	–	–	–	–	–	–	12	12	M8	24	2.1	–
170	206	188.2	200.3	5	–	–	173	211	80	56	2	12	12	34	24	–	–	–	–	–	–	–	–	–	–	12	12	M8	24	2.1	–
175	211	193.2	205.3	5	–	–	178	216	80	56	2	12	12	34	24	–	–	–	–	–	–	–	–	–	–	12	12	M8	24	2.1	–
180	216	207.5	219.3	5	–	–	183	221	84	56	2	12	12	38	28	–	–	–	–	–	–	–	–	–	–	12	12	M8	24	2.1	–
185	221	212.5	224.3	5	–	–	188	226	84	56	2	12	12	38	28	–	–	–	–	–	–	–	–	–	–	12	12	M8	24	2.1	–
190	226	217.5	229.3	5	–	–	193	231	84	56	2	12	12	38	28	–	–	–	–	–	–	–	–	–	–	12	12	M8	24	2.1	–
195	231	222.5	234.3	5	–	–	198	236	84	56	2	12	12	38	28	–	–	–	–	–	–	–	–	–	–	12	12	M8	24	2.1	–
200	236	227.5	239.3	5	–	–	203	241	84	56	2	12	12	38	28	–	–	–	–	–	–	–	–	–	–	12	12	M8	24	2.1	–

* EN 12756
d_1 >200 on request