

MECHANICAL SEAL & PUMP SPARES PARTS



RING SSIC & RBSIC



MG1 SSIC & RBSIC



T TYPE SSIC & RBSIC



G-9 SSIC & RBSIC



DIN SSIC & RBSIC making



SSIC BUSH



CARBON BUSH



SLEEVE

MECHANICAL SEAL & PUMP SPARES PARTS



PTFE



FEP O'RINGS



**O'RINGS = EPDM ,NBR , FKM ,
SILICONE & NEOPRENE**



TUNGSTEN CARBIDE



CERAMIC



SSIC & RBSIC



SHAFT SS316/SS304



GLAND SS316/SS304



ALL TYPES OF MECHANICAL SEAL

WAVE SPRING SS316

MSS 301

Operating conditions:

Temperature:-40℃~125℃
Pressure:≤0.5MPa
Speeds:≤10m/sec

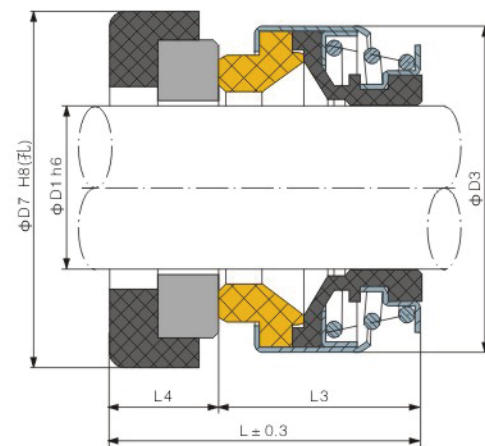
Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosivesolutions.



Materials:

Rotary ring (Carbon/SiC/TC)
Stationary ring (Ceramic/SiC/TC)
Secondary seal (NBR/VITON)
Spring 8 Other parts (SUS304/SUS316)

Materials should be selected according to operation condition.



MODEL	D1	D3	D7	L	L3	L4
MSS 301 - 6	6	18.0	21	16.0	10.5	5.5
MSS 301 - 8	8	18.0	21	16.0	10.5	5.5
MSS 301 - 8L	8	20.0	21	16.5/19	11.0	5.5/8
MSS 301 - 10	10	24.0	26	21.0	13.0	8.0
MSS 301 - 11	11	24.0	26	21.0	13.0	8.0
MSS 301 - 12	12	24.0	26	19/21	13.0	6/8
MSS 301 - 13	13	24.0	26	18.5	13.0	5.5
MSS 301 - 14P	14	27.5	28/30	20.5/21	13.0	7.5/8
MSS 301 - 14H	14	27.5	30	21/22.5/23.5	15.5	5.5/7/8
MSS 301 - 14S	14	26.0	26/28	18/19/20.5/21	13.0	5/6/7.5/8
MSS 301 - 14	14	32.0	29.5	21.0	13.0	8.0
MSS 301 - 15P	15	27.5	28/30	20.5/21	13.0	7.5/8
MSS 301 - 15	15	32.0	30	21.0	13.0	8.0
MSS 301 - 16P	16	27.5	28/30	20.5/21	13.0	7.5/8
MSS 301 - 16	16	32.0	29.5	21.0	13.0	8.0
MSS 301 - 16L	16	39.0	42	21.0	13.0	8.0
MSS 301 - 17	17	39.0	42	21.0	13.0	8.0
MSS 301 - 17S	17	31.0	36	28.0	18.0	10.0
MSS 301 - 18	18	39.0	42	21.0	13.0	8.0
MSS 301 - 19	19	39.0	42	21.0	13.0	8.0
MSS 301 - 20P	20	35.0	38	21.0	13.0	8.0
MSS 301 - 20	20	39.0	42	21.0	13.0	8.0

MODEL	D1	D3	D7	L	L3	L4
MSS 301 - 20L	20	42.0	45.0	23.0	13.0	10.0
MSS 301 - 22P	22	39.0	42.0	21.0	13.0	8.0
MSS 301 - 22	22	42.0	45.0	23.0	13.0	10.0
MSS 301 - 23	23	47.0	50.0	23.5	13.5	10.0
MSS 301 - 24	24	47.0	50.0	23.5	13.5	10.0
MSS 301 - 25	25	47.0	50.0	23.5	13.5	10.0
MSS 301 - 25P	25	42.0	45.0	23.0	13.0	10.0
MSS 301 - 26	26	47.0	50.0	23.5	13.5	10.0
MSS 301 - 27	27	47.0	50.0	23.5	13.5	10.0
MSS 301 - 28	28	54.0	57.0	25.0	15.0	10.0
MSS 301 - 30	30	54.0	57.0	25.0	15.0	10.0
MSS 301 - 32	32	54.0	57.0	25.0	15.0	10.0
MSS 301 - 35	35	60.0	63.0	26.0	16.0	10.0
MSS 301 - 38	38	65.0	68.0	30.0	18.0	12.0
MSS 301 - 40	40	65.0	68.0	30.0	18.0	12.0
MSS 301 - 45	45	70.0	73.0	32.0	20.0	12.0
MSS 301 - 50	50	85.0	88.0	38.0	23.0	15.0
MSS 301 - 55	55	85.0	88.0	38.0	23.0	15.0
MSS 301 - 60	60	105.0	110.0	45.0	30.0	15.0
MSS 301 - 65	65	105.0	110.0	45.0	30.0	15.0
MSS 301 - 70	70	105.0	110.0	47.0	32.0	15.0

MSS 109

Operating conditions:

Temperature:-40℃~125℃
Pressure:≤1.2MPa
Speeds:≤13m/sec

Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions.



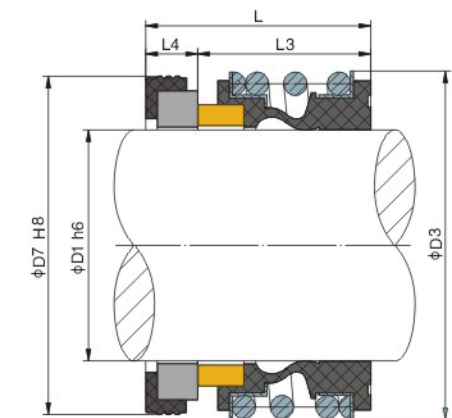
MSS 109

MSS 109T

MODEL	D1	D3	D7	L	L3	L4
MSS 109 - 12	12	24	26	21/21.5	16	5/5.5
MSS 109 - 12T	12	24	26	21	13	8
MSS 109T - 12	12	23.5	26	20.5	14	6.5
MSS 109 - 14	14	28.5	28/30	23/25	17.5	5.5/7.5
MSS 109 - 14T	14	28.5	30	21	14	7
MSS 109T - 14	14	28.5	28/30	20.5/22.5	15	5.5/7.5
MSS 109 - 15	15	28.5	28/30	23/25	17.5	5.5/7.5
MSS 109 - 16	16	28.5	28/30	23/25	17.5	5.5/7.5
MSS 109 - 17	17	31	33/34/35/36	24.5/27	19.5	5/7.5
MSS 109 - 18	18	31	33/34/35/36	24.5/27	19.5	5/7.5
MSS 109 - 19	19	36.5	35/36	26.5/29	21.5	5/7.5
MSS 109 - 20	20	36.5	35/36	26.5/29	21.5	5/7.5
MSS 109 - 22	22	36.5	37	29	21.5	7.5
MSS 109 - 24	24	41	39	30	22.5	7.5
MSS 109 - 25	25	41	40(41)	30.5/(29.5)	22.5	8/(7)
MSS 109 - 27	27	43	42	35	26.5	8.5
MSS 109 - 28	28	47.5	43	34	26.5	7.5
MSS 109 - 30	30	47.5	45	34	26.5	7.5
MSS 109 - 32	32	52	48	35	27.5	7.5

Materials:

Rotary ring (Carbon/SiC/TC)
Stationary ring (Ceramic/SiC/TC)
Secondary seal (NBR/EPDM/VITON)
Spring & Other parts (SUS304/SUS316)



MODEL	D1	D3	D7	L	L3	L4
MSS 109 - 33	33	52	48	35	27.5	7.5
MSS 109 - 35	35	55	50	36	28.5	7.5
MSS 109 - 38	38	58.5	56	39	30	9
MSS 109 - 40	40	60	58	39	30	9
MSS 109 - 42	42	65	61	39	30	9
MSS 109 - 43	43	65	61	39	30	9
MSS 109 - 45	45	68	63	39	30	9
MSS 109 - 48	48	70.5	66	39.5	30.5	9
MSS 109 - 50	50	72	70	40	30.5	9.5
MSS 109 - 53	53	78.5	73	44	33	11
MSS 109 - 55	55	81	75	46	35	11
MSS 109 - 58	58	85.5	78	48	37	11
MSS 109 - 60	60	88.5	80	49	38	11
MSS 109 - 65	65	91	85	51	40	11
MSS 109 - 68	68	97	90	51.3	40	11.3
MSS 109 - 70	70	97	92	51.3	40	11.3
MSS 109 - 75	75	105	97	51.3	40	11.3
MSS 109 - 80	80	109	105	52	40	12
MSS 109 - 85	85	120	110	55	41	14
MSS 109 - 90	90	127	115	59	45	14
MSS 109 - 95	95	132	120	60	46	14
MSS 109 - 100	100	135	125	61	47	14

MSS 108

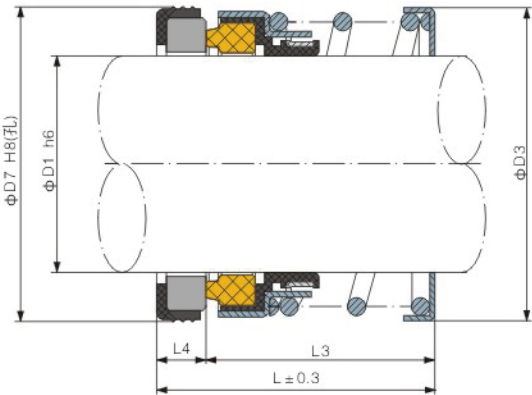
Operating conditions:

Temperature:-40 °C ~125 °C
Pressure:≤0.5MPa
Speeds:≤5m/sec

Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions.

Materials:

Rotary ring (Carbon/SiC/TC)
Stationary ring (Ceramic/SiC/TC)
Secondary seal (NBR/EPDM/VITON)
Spring & Other parts (SUS304/SUS316)



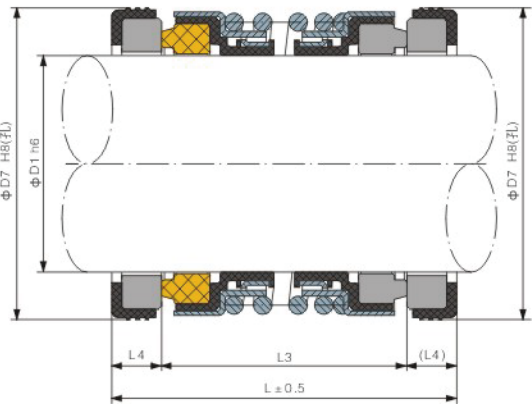
MODEL	D1	D7	L	L3	L4
MSS 108 - 8(105 - 8)	8	15.8	21	19	13.5
MSS 108 - 9	9	20.0	21	20	15.0
MSS 108 - 10	10	20.0	21/22	20	15.0
MSS 108 - 11	11	20.0	23	20	15.0
MSS 108 - 12	12	22.0	23/24/26	20/21	15/16
MSS 108 - 14	14	24.5	25/26/28	21/25	16/20
MSS 108 - 15	15	26.5	27/28/30	25	20/19
MSS 108 - 16	16	26.5	27/28/30	25	20/19
MSS 108 - 17	17	32.0	33/35	25	20.0
MSS 108 - 17T	17	27.0	28	25	19.5
MSS 108 - 18	18	32.0	33	25	20.0
MSS 108 - 19	19	34.0	35	25	20.0
MSS 108 - 20	20	34.0	35/36	25	20.0
MSS 108 - 22	22	37.0	37	28	22.5/22
MSS 108 - 22T	22	35.0	36	25	20
MSS 108 - 24	24	39.0	40/41	32/35/37	24/27/29
MSS 108 - 25	25	39.0	40/41/41.8	32/35/37	24/27/29
MSS 108 - 28	28	45.0	45/46	35/37	27.5/29.5
MSS 108 - 30	30	45.0	45/46	35/37	27.5/29.5
MSS 108 - 35	35	50.5	50	37	28.5
MSS 108 - 40	40	57.5	58	40	31
MSS 108 - 45	45	62.5	63	40	31.5
MSS 108 - 50	50	71.0	70	45	35.5
MSS 108 - 55	55	75.5	75	45	35.5

MSS 208

Operating conditions:

Temperature:-40 °C ~125 °C
Pressure:≤0.6MPa
Speeds:≤5m/sec

Applications: Used in the submersible pumps and sewage pumps.



MODEL	D1	D7	L	L3	L4
MSS 208 - 10	10	22	30	20	5.0
MSS 208 - 12	12	23/24/26	30/32/35/38/40	22/25/28/30	4/5
MSS 208 - 14	14	26/28/30	35/36/38/40/41	25/26/28/30/31	5.0
MSS 208 - 15	15	27/28	38	28	5.0
MSS 208 - 16	16	27/28/30	38/40/41/42/44	28/30/31/32/34	5.0
MSS 208 - 17	17	33/35	38/40/42/45	28/30/32/35	5.0
MSS 208 - 18	18	33/35	38/42	28/32	5.0
MSS 208 - 20	20	35/36	38/40/42/45	28/30/32/35	5.0
MSS 208 - 22	22	36/37	40/42	30	5/6
MSS 208 - 24	24	40/41	48/51/54	35/36/38	6/8
MSS 208 - 25	25	40/41	48/51/54	35/36/38	6/8
MSS 208 - 28	28	45/46	51	36	7.5
MSS 208 - 30	30	45/46	51	36	7.5
MSS 208 - 35	35	50	51	35	8.0
MSS 208 - 40	40	58	58/60/61	40/42/43	9.0
MSS 208 - 45	45	63	61	44	8.5
MSS 208 - 50	50	70	69	50	9.5
MSS 208 - 55	55	75	70/78	51/59	9.5

MSS 202

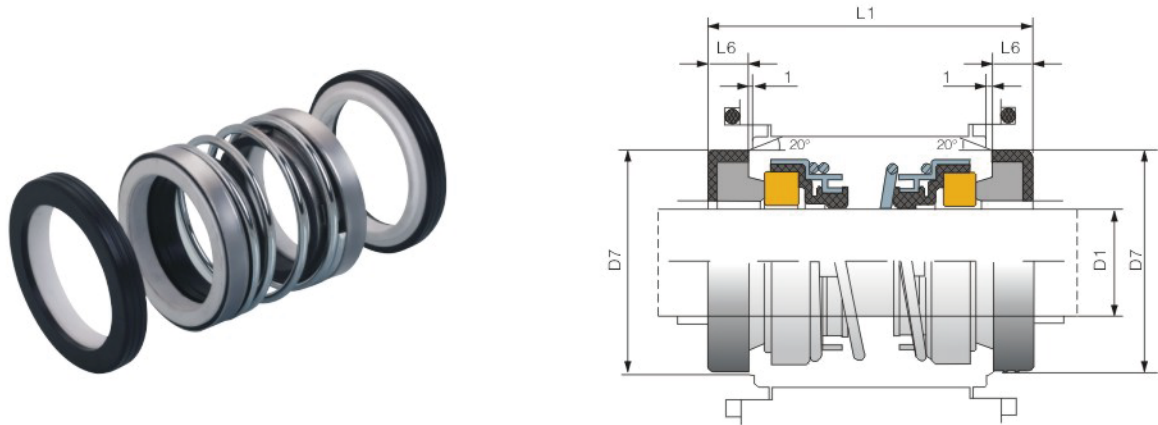
Operating conditions:

Temperature:-40℃~125℃
Pressure:≤0.5MPa
Speeds:≤5m/sec

Applications: Used in the submersible pumps and sewage pumps.

Materials:

Rotary ring (Ceramic/SiC/TC)
Stationary ring (Carbon/Ceramic/SiC/TC)
Secondary seal(NBR/VITON)
Spring & Other parts (SUS304/SUS316)



MODEL	D1	D7	L1	L6
MSS 202 - 12	12	26	35/38	4.0
MSS 202 - 14	14	26/28	35/38	5.0
MSS 202 - 16	16	28	38/45	5.0
MSS 202 - 17	17	34/35	38/48	5.0
MSS 202 - 18	18	34/35	38/48	5.0
MSS 202 - 20	20	36	40/48	5.0
MSS 202 - 22	22	38	45	5.5
MSS 202 - 25	25	41	51.0	7.0
MSS 202 - 30	30	46	51.0	7.0
MSS 202 - 35	35	51	51.0	7.0
MSS 202 - 40	40	60	61.0	8.0
MSS 202 - 45	45	65	61.0	8.0

MSS 2100

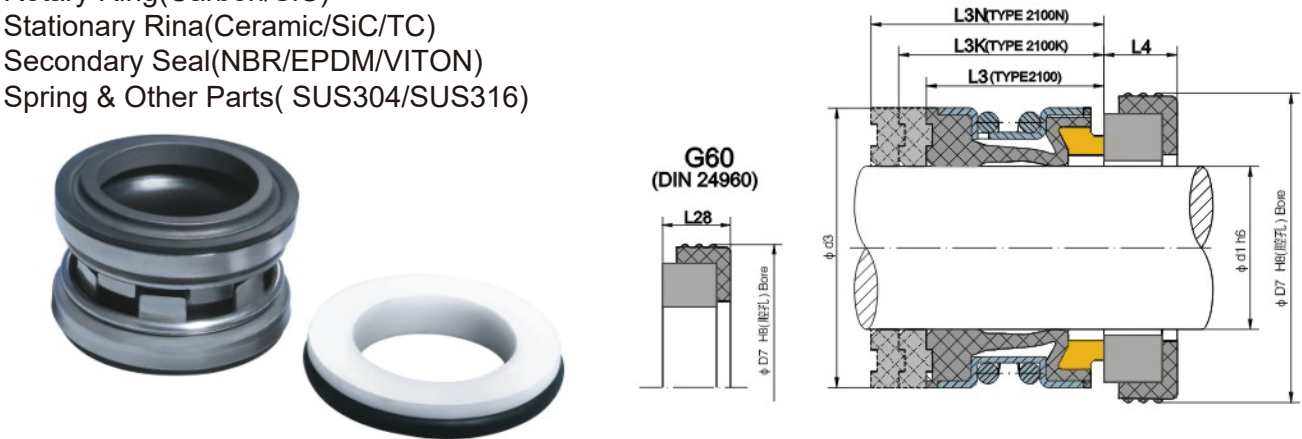
Operating conditions:

Temperature:-40℃~150℃
Pressure:≤2.0MPa
Speeds:≤13m/sec

Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions.

Materials:

Rotary Ring(Carbon/SiC)
Stationary Ring(Ceramic/SiC/TC)
Secondary Seal(NBR/EPDM/VITON)
Spring & Other Parts(SUS304/SUS316)



Shaft Size	d3	L3	L3K	L3N	D7	L4	L28
10	20	15	27.5	35	21	5	6.6
12	22	15	26.5	34	23	6	6.6
14	24	15	29	34	25	6	6.6
15	25	15	29	34	26	6	-
16	26	15	29	34	27	6	6.6
18	32	20	31.5	39	33	6	7.5
20	34	20	31.5	39	35	6	7.5
22	36	20	31.5	39	37	6	7.5
24	38	20	34	44	39	6	7.5
25	39	20	34	44	40	6	7.5
28	42	26	36.5	44	43	6	7.5
30	44	26	35.5	43	45	7	7.5
32	46	26	35.5	48	48	7	7.5
33	47	26	35.5	48	48	7	7.5
35	49	26	34.5	47	50	8	7.5
38	54	30	37	47	56	8	9
40	56	30	37	47	58	8	9
43	59	30	37	52	61	8	9
45	61	30	37	52	63	8	9
48	64	30	35	50	66	10	9
50	66	30	37.5	50	70	10	9.5
53	69	30	37.5	60	73	10	11
55	71	30	37.5	60	75	10	11
58	78	33	42.5	60	78	10	11
60	80	33	40.5	58	80	12	11
63	83	33	40.5	58	83	12	11
65	85	33	40.5	68	85	12	11
68	88	33	40.5	68	90	12	11.3
70	90	33	48	68	92	12	11.3
75	99	40	48	68	97	12	11.3
80	104	40	48	78	106	12	12
85	109	40	48	78	110	12	14
90	114	40	52.5	77.5	115	12.5	14
95	119	40	52.5	77.5	120	12.5	14
100	124	40	52.5	77.5	125	12.5	14

MSS 110

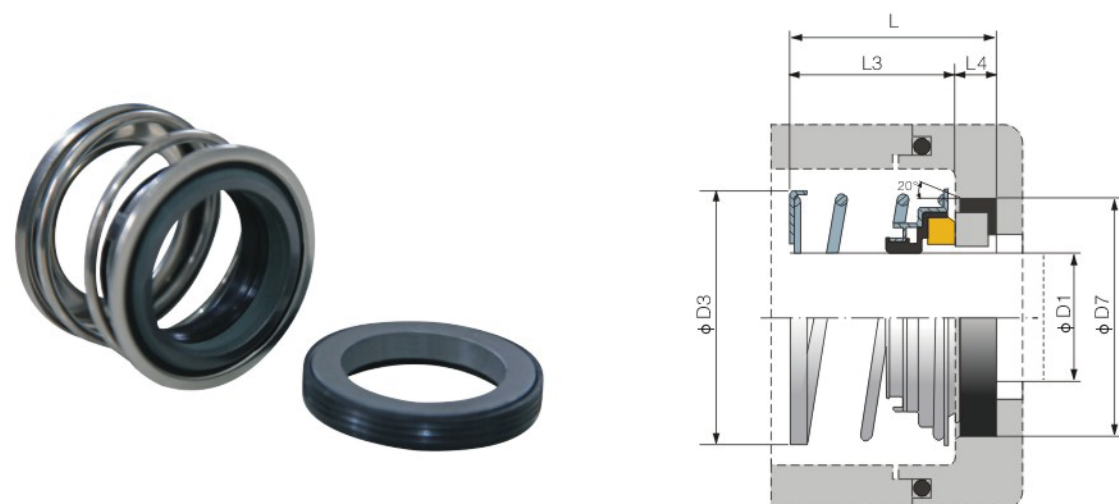
Operating conditions:

Temperature:-40 °C ~125 °C
 Pressure:≤0.6MPa
 Speeds:≤5m/sec

Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions.

Materials:

Rotary ring (Carbon/SiC/TC)
 Stationary ring (Ceramic/SiC/TC)
 Secondary seal (NBR/VITON)
 Spring & Other parts (SUS304/SUS316)



MSS 70

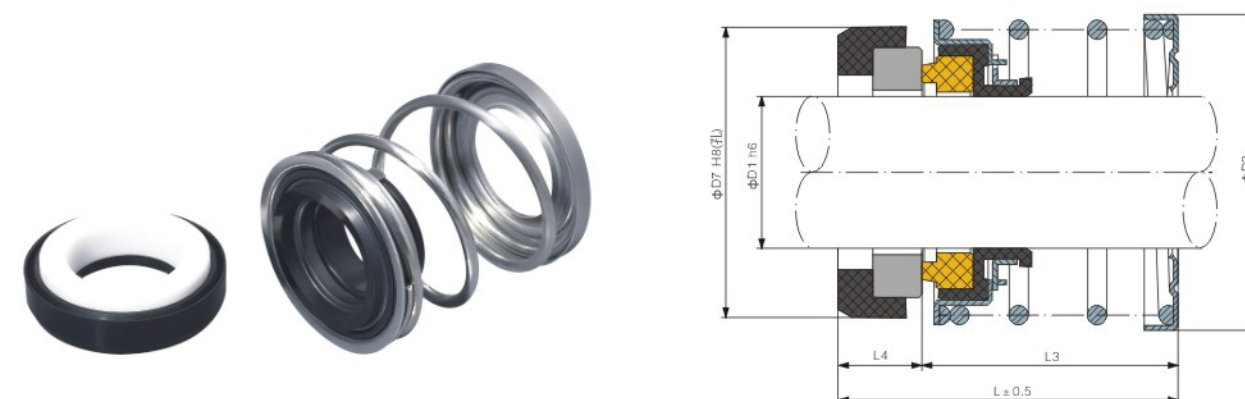
Operating conditions:

Temperature:-40 °C ~125 °C
 Pressure: ≤0.6MPa
 Speeds:≤5m/sec

Applications: Used in different pumps, mixers and other rotating equipments which apply to deep-well pump.

Materials:

Rotary ring (Carbon)
 Stationary ring (Ceramic/SiC/TC)
 Secondary seal (NBR/VITON)
 Spring & Other parts (SUS304/SUS316)



MODEL	D1	D3	D7	L	L3	L4
MSS 110 - 16	16	32	28/29.5/30	26/28/32	16/20/24	8
MSS 110 - 16T	16	32	30	20	14	6
MSS 110 - 20	20	36.5	35/36	20/22.5	15	5/7.5
MSS 110 - 25	25	42	40	22/24	16	6/8
MSS 110 - 30	30	50	45	24/25	17.5	6.5/7.5
MSS 110 - 35	35	53	50	26/27.5	19	7/8.5
MSS 110 - 40	40	59.5	58	28/29	20	8/9

MODEL	D1	D3	D7	L	L3	L4
MSS 70 - 12	12	23.5	23/24	18	13	5
MSS 70 - 13	13	32	28/29.5/30	26/28/32	18/20/24	8
MSS 70 - 13T	13	29	26/28/30	23/25.5	18	5/7.5
MSS 70 - 14T	14	29	26/28/30	23/25.5	18	5/7.5
MSS 70 - 14	14	32	28/29.5/30	26/28/32	18/20/24	8
MSS 70 - 15	15	32	28/29.5/30	26/28/32	18/20/24	8
MSS 70 - 16	16	32	28/29.5/30	26/28/32	18/20/24	8
MSS 70 - 20	20	36.5	35	25	17.5	7.5
MSS 70 - 25	25	42.5	40/41	32	24	8
MSS 70 - 30	30	50	45	35	27.5	7.5

MSS 103

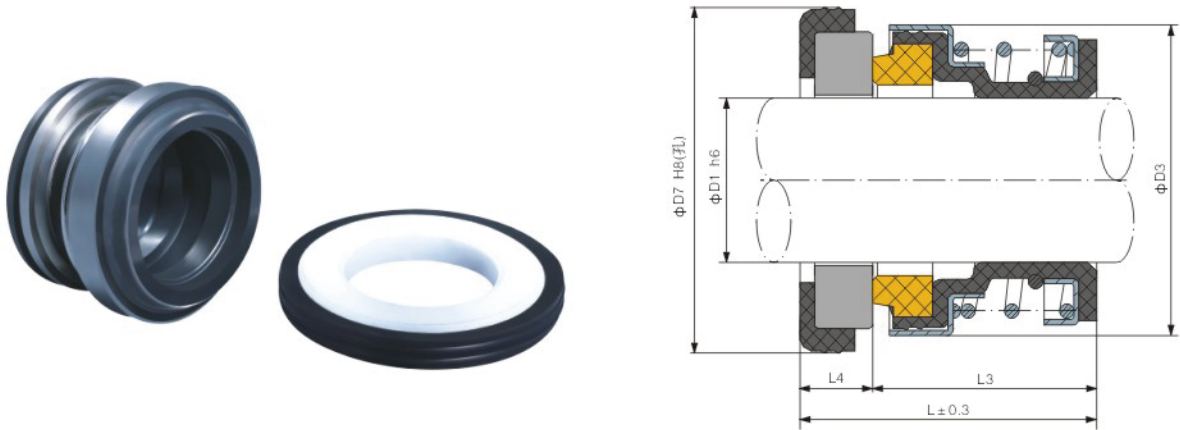
Operating conditions:

Temperature:-40 °C ~125 °C
Pressure:≤0.3MPa
Speeds:≤5m/sec

Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions.

Materials:

Rotary ring (Carbon/Ceramic/SiC/TC)
Stationary ring (Carbon/Ceramic/SiC/TC)
Secondary seal(NBR/EPDM/VITON)
Spring & Other parts(SUS304/SUS316)



MODEL	D1	D3	D7	L	L3	L4
MSS 103 - 10	10	22.5	21/22	20.5	15.5	5
MSS 103 - 12	12	22.5	26	20.5	15.5	5
MSS 103 - 12 (thick)	12	22.5	26	23/23.5	15.5	7.5/8
MSS 103 - 14	14	28.0	26/30	20.5	15	5.5
MSS 103 - 16	16	30.0	30/35	20.5	15.5	5
MSS 103 - 17	17	30.0	30/35	20.5	15.5	5
MSS 103 - 18	18	30.0	35	20.5	15.5	5

MSS 104

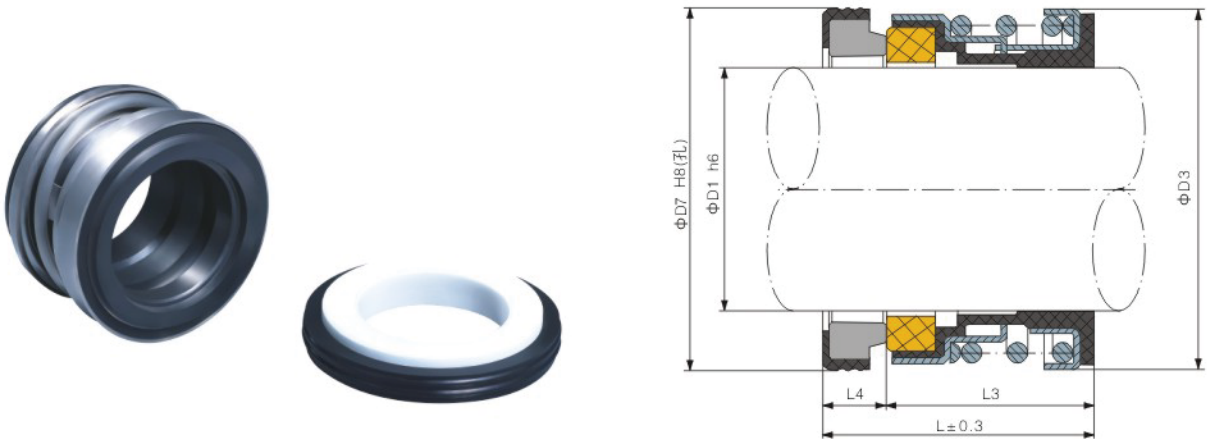
Operating conditions:

Temperature:-40 °C ~125 °C
Pressure:≤0.6MPa
Speeds:≤10m/sec

Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions

Materials:

Rotary ring (Carbon/SiC/TC)
Stationary ring (Ceramic/SiC/TC)
Secondary seal(NBR/EPDM/VITON)
Spring & Other parts (SUS304/SUS316)



MODEL	D1	D3	D7	L	L3	L4
MSS 104 - 9	9	20.0	22	20	14.5	5.5
MSS 104 - 10	10	20.0	22	20	14.5	5.5
MSS 104 - 12	12	22.0	24	20	14.5	5.5
MSS 104 - 14	14	24.0	26	25	18.0	7.0
MSS 104 - 15	15	26.0	28	25	18.0	7.0
MSS 104 - 16	16	26.0	28	25	18.0	7.0
MSS 104 - 17	17	31.0	34	25	18.0	7.0
MSS 104 - 18	18	31.0	34	25	18.0	7.0
MSS 104 - 19	19	33.0	36	25	18.0	7.0
MSS 104 - 20	20	33.0	36	25	18.0	7.0
MSS 104 - 22	22	36.0	38	25	18.0	7.0
MSS 104 - 25	25	39.0	41	37	28.0	9.0
MSS 104 - 30	30	43.5	46	37	28.0	9.0
MSS 104 - 35	35	50.5	51	37	28.0	9.0
MSS 104 - 40	40	56.0	60	40	29.5	10.5
MSS 104 - 45	45	63.5	65	40	29.5	10.5

MSS BIA/560C

Operating conditions:

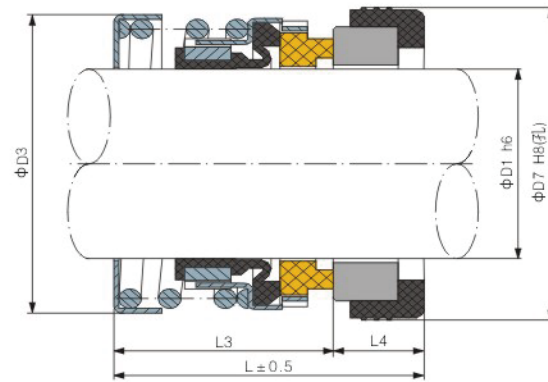
Temperature:-40℃~150℃
Pressure:≤1MPa
Speeds:≤10m/sec

Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions.



Materials:

Rotary ring (Carbon/SiC/TC)
Stationary ring (Ceramic/SiC/TC)
Secondary seal (NBR/EPDM/VITON)
Spring & Other parts (SUS304/SUS316)



MODEL	D1	D3	D7	L	L3	L4
MSS B/A - 14	14	27.0	30	23.7	18.7	5.0
MSS B/A - 16	16	28.5	32	26.0	21.0	5.0
MSS B/A - 18	18	30.5	35	30.0	22.5	7.5
MSS B/A - 19	19	30.5	35	30	22.5	7.5
MSS B/A - 20	20	31.8	35	29.0	21.0	8.0
MSS B/A - 25	25	39.0	40	33.5	25.5	8.0
MSS B/A - 28	28	42.0	43	33.5	25.5	8.0
MSS B/A - 30	30	44.0	45	34.5	25.5	9.0
MSS B/A - 32	32	46.0	48	42.5	33.5	9.0
MSS B/A - 33	33	47.0	48	42.5	33.5	9.0
MSS B/A - 35	35	49.0	50	42.5	33.5	9.0
MSS B/A - 38	38	54.0	56	42.5	33.5	9.0
MSS B/A - 40	40	56.0	58	42.5	33.5	9.0
MSS B/A - 43	43	59.0	61	46.0	36.5	9.5
MSS B/A - 45	45	61.0	63	47.5	38.0	9.5
MSS B/A - 48	48	64.0	66	47.5	38.0	9.5
MSS B/A - 50	50	66.0	70	47.5	38.0	9.5
MSS B/A - 53	53	69.0	73	50.5	41.0	9.5
MSS B/A - 55	55	71.0	75	50.5	41.0	9.5
MSS B/A - 58	58	78.0	78	51.5	42.0	9.5
MSS B/A - 60	60	80.0	80	51.5	42.0	9.5
MSS B/A - 65	65	85.0	85	56.0	45.0	11.0
MSS B/A - 70	70	90.0	92	56.0	45.0	11.0
MSS B/A - 80	80	104.0	104	67.0	55.0	12.0
MSS B/A - 85	85	108.0	109	76.2	62.2	14.0
MSS B/A - 90	90	113.0	114	78.2	64.2	14.0

MODEL	D1	D3	D7	L	L3	L4
MSS 560C - 16	16	26.5	27	36.0	25.7	10.3
MSS 560C - 18	18	30.5	33	37.5	25.7	10.3
MSS 560C - 20	20	34.0	35	37.5	27.0	10.3
MSS 560C - 22	22	34.0	37	38.2	27.0	11.0
MSS 560C - 24	24	40.0	39	40.0	29.0	11.0
MSS 560C - 25	25	40.3	40	40.0	29.0	11.0
MSS 560C - 28	28	44.5	43	42.5	31.5	11.0
MSS 560C - 30	30	46.5	45	42.5	31.5	11.0
MSS 560C - 32	32	46.5	48	42.5	31.5	11.0
MSS 560C - 33	33	50.5	48	42.5	31.5	11.0
MSS 560C - 35	35	51.5	50	42.5	31.5	11.0
MSS 560C - 38	38	54.0	56	45.0	34.0	11.0
MSS 560C - 40	40	58.0	58	45.0	32.3	12.7
MSS 560C - 43	43	61.5	61	45.0	32.3	12.7
MSS 560C - 45	45	61.5	63	45.0	32.3	12.7
MSS 560C - 48	48	65.5	66	45.0	32.3	12.7
MSS 560C - 50	50	70.5	70	47.5	34.8	12.7
MSS 560C - 53	53	74.0	73	47.5	39.3	14.2
MSS 560C - 55	55	76.0	75	47.5	39.3	14.2
MSS 560C - 58	58	79.0	78	52.5	38.3	14.2
MSS 560C - 60	60	82.0	80	52.5	38.3	14.2
MSS 560C - 63	63	87.0	83	52.5	38.3	14.2
MSS 560C - 65	65	85.0	85	52.0	36.0	16.0
MSS 560C - 68	68	91.5	90	52.0	36.0	16.0
MSS 560C - 70	70	91.5	92	60.0	44.0	16.0
MSS 560C - 73	73	99.0	93	60.0	44.0	16.0
MSS 560C - 75	75	99.0	97	60.0	44.0	16.0

MSS 560A /560B

Operating conditions:

Temperature:-40℃~150℃
Pressure:≤1MPa
Speeds:≤10m/sec

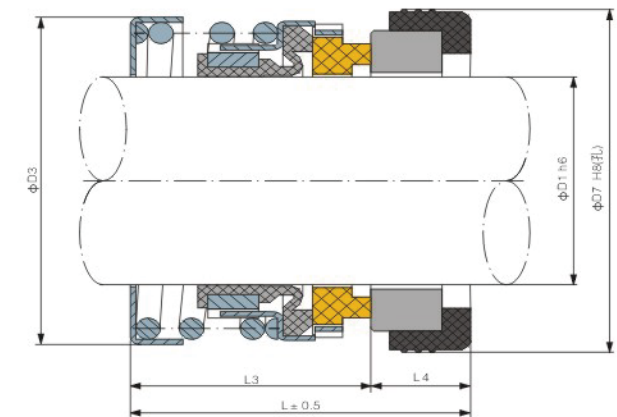
Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions



MODEL	D1	D3	D7	L	L3	L4
MSS 560A - 8	8	17.5	21	18.9	13.9	5.0
MSS 560A - 10	10	23.5	24	23.0	16.5	6.5
MSS 560A - 11	11	23.5	24	23.0	16.5	6.5
MSS 560A - 12	12	26.0	26	24.0	17.5	6.5
MSS 560A - 14	14	28.0	28	25.0	18.0	7.0
MSS 560A - 15	15	28.0	28	25.0	18.0	7.0
MSS 560A - 16	16	30.0	32	27.0	20.0	7.0
MSS 560A - 18	18	32.5	35	26.0	19.0	7.0
MSS 560A - 19	19	32.5	35	26.0	18.0	8.0
MSS 560A - 20	20	35.5	38	28.0	19.5	8.5
MSS 560A - 22	22	37.5	40	28.0	20.0	8.0
MSS 560A - 25	25	42.0	44	29.0	20.0	9.0
MSS 560A - 28	28	45.5	46	30.0	21.0	9.0
MSS 560A - 30	30	48.0	50	31.0	22.0	9.0
MSS 560A - 32	32	50.0	54	33.0	24.0	9.0
MSS 560A - 35	35	54.5	58	36.0	26.0	10.0
MSS 560A - 38	38	58.5	60	37.0	27.0	10.0
MSS 560A - 40	40	62.5	64	38.0	28.0	10.0
MSS 560A - 45	45	66.5	66	40.0	30.0	10.0
MSS 560A - 50	50	72.5	72	42.0	32.0	10.0

Materials:

Rotary ring (Carbon/SiC/TC)
Stationary ring (Ceramic/SiC/TC)
Secondary seal (NBR/EPDM/VITON)
Spring & Other parts (SUS304/SUS316)

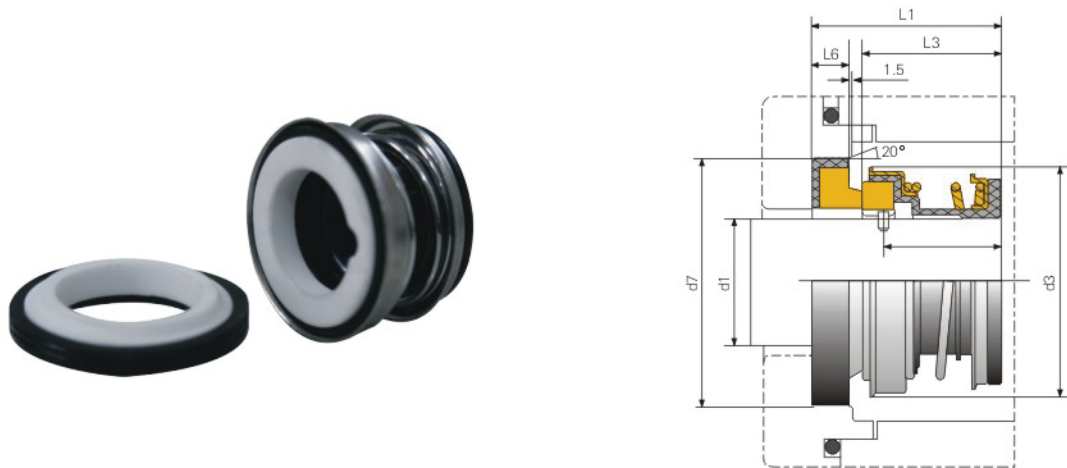


MODEL	D1	D3	D7	L	L3	L4
MSS 560B - 3/8"	9.53		22.2	28.5	22.2	6.3
MSS 560B - 1/2"	12.70	23.0	25.4	30.2	22.2	8.0
MSS 560B - 5/8"	15.88	26.5	31.8	32.5	22.2	10.3
MSS 560B - 3/4"	19.05	30.5	35.0	32.5	22.2	10.3
MSS 560B - 7/8"	22.23	34.0	38.1	34.3	24.0	10.3
MSS 560B - 1"	25.40	40.0	41.3	36.4	25.4	11.0
MSS 560B - 1 1/8"	28.58	44.5	44.5	38.0	27.0	11.0
MSS 560B - 1 1/4"	31.75	46.5	47.7	38.0	27.0	11.0
MSS 560B - 1 3/8"	34.93	51.5	50.8	39.5	28.5	11.0
MSS 560B - 1 1/2"	38.10	54.0	54.0	39.5	28.5	11.0
MSS 560B - 1 5/8"	41.28	58.0	60.3	47.7	35.0	12.7
MSS 560B - 1 3/4"	44.45	61.5	63.5	47.7	35.0	12.7
MSS 560B - 1 7/8"	47.63	65.5	66.7	50.7	38.0	12.7
MSS 560B - 2"	50.80	70.5	69.9	50.7	38.0	12.7
MSS 560B - 2 1/8"	53.98	75.0	76.2	57.3	43.0	14.3
MSS 560B - 2 1/4"	57.15	79.0	79.4	57.3	43.0	14.3
MSS 560B - 2 3/8"	60.33	82.0	82.6	60.3	46.0	14.3
MSS 560B - 2 1/2"	63.50	86.0	85.7	60.3	46.0	14.3
MSS 560B - 2 5/8"	66.68	91.5	85.7	65.0	49.0	16.0
MSS 560B - 2 3/4"	69.85	91.5	88.9	65.0	49.0	16.0
MSS 560B - 2 7/8"	73.03	99.0	95.3	68.5	52.5	16.0
MSS 560B - 3"	76.20	99.0	98.4	68.5	52.5	16.0

MSS 102

Operating conditions:

Temperature:-20 °C ~80 °C
Pressure:≤0.3MPa
Rotation speed: ≤3000r/min



MODEL	D1	D3	D7	L1	L3	L6	L7
MSS 102 - 14	14	33	35	24.5	17.5	5	13
MSS 102 - 18	18	37	40	24.5	17.5	5	13
MSS 102 - 20	20	38	40	25	18	5	15

MSS E

Operating conditions:

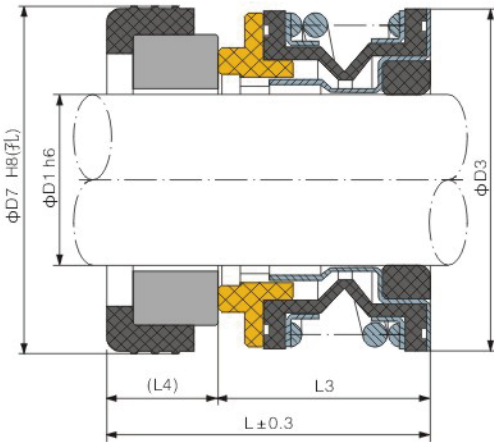
Temperature:-40 °C ~125 °C
Pressure:≤0.7MPa
Speeds:≤10m/sec

Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions.



Materials:

Rotary ring(Carbon/SiC)
Stationary ring (Ceramic/SiC/TC)
Secondary seal (NBR/EPDM/VITON)
Spring & Other parts (SUS304SUS316)



MODEL	D1	D3	D7	L	L3	L4
MSS E - 3/8"	9.53	24	22.2	23	16.7	6.3
MSS E - 1/2"	12.7	27	25.4	26.3	18.3	8
MSS E - 5/8"	15.88	31	31.75/(30)	28.6/(27)	18.3	10.3/(8.7)
MSS E - 3/4"	19.05	34	34.95	28.6	18.3	10.3
MSS E - 1"	25.4	43	41.3	31.7	20.7	11
MSS E - 5/8H	15.88	31	31.75	30.1	19.8	10.3
MSS E - 3/4H	19.05	34	34.95	30.1	19.8	10.3

MSS 560D

Operating conditions:

Temperature:-40 C ~150 C
Pressure: ≤0.5MPa
Speeds:≤10m/sec

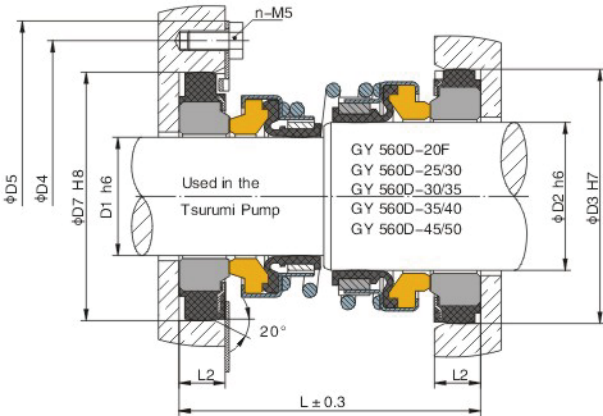
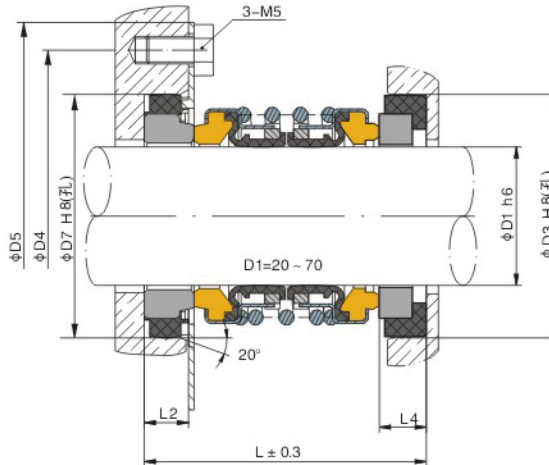
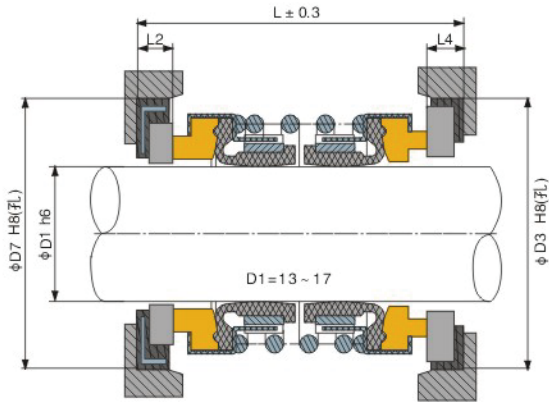
Applications: Used in the submersible pumps and sewage pumps.

Materials:

Rotating ring (Carbon/SiC)
Stationary ring (Ceramic/SiC)
Secondary seal (NBR/VITON)
Spring & Other parts(SUS304/SUS316)

MODEL	D1	D3	D4	D5	D7	L	L2	L4
MSS 560D - 13	13	25	-	-	25	36	5	5
MSS 560D - 14	14	30	-	-	30	36	5	5
MSS 560D - 15	15	30	-	-	30	34/36	4/5	4/5
MSS 560D - 16	16	30	-	-	30	34/36	4/5	4/5
MSS 560D - 17	17	33	-	-	33	36	5	5
MSS 560D - 20	20	38	(50)/60	(62)/72	(39)/44	50	7.5	7.5
MSS 560D - 25	25	44	60	72	50	51	8	7.5
MSS 560D - 30	30	44/50	(60)/70	(72)/82	(50)/57	59	9	8.5
MSS 560D - 35	35	58	(70)/80	(82)/92	(56)/64	61	9	10
MSS 560D - 40	40	64	85	100	70	65	11	10
MSS 560D - 45	45	66	85	100	70	65	10	9
MSS 560D - 50	50	72	95	109	80	69	10	10
MSS 560D - 60	60	80	105	120	95	85	13	14
MSS 560D - 70	70	95	120	135	105	85	13	14

MODEL	D1	D2	D3	D4	D5	D7	L	L2	n - M5
MSS 560D - 20F	20	20	38	56	68	44	49.5	7.5	4 - M5
MSS 560D - 25/30	25	30	50	62	76	50	54	8	4 - M5
MSS 560D - 30/35	30	35	58	72	95	57	62	9	6 - M5
MSS 560D - 35/40	35	40	64	80	106	64	65	9	6 - M5
MSS 560D - 45/50	45	50	70	92	115	70	69	10	8 - M5

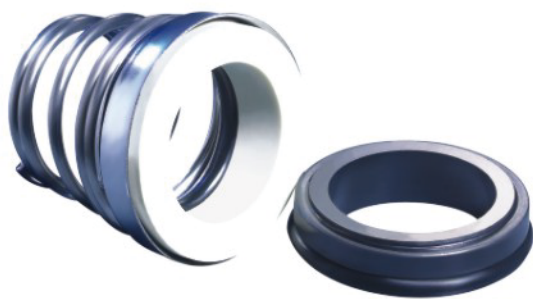


MSS 155

Operating conditions:

Temperature:-40℃~150℃
Pressure:≤0.7MPa
Speeds:≤13m/sec

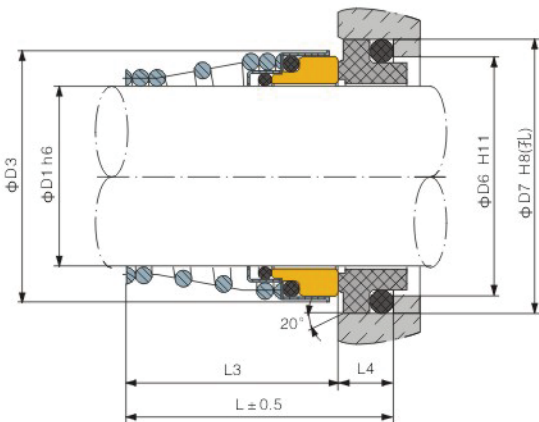
Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions.



Materials:

Rotary ring (Ceramic/SiC/TC)
Stationary ring (Carbon/SiC/TC)
Secondary seal(NBR/EPDM/VITON)
Spring & Other parts (SUS304/SUS316)

Materials should be selected according to operation condition



MODEL	D1	D3	D6	D7	L	L3
MSS 155 - 10	10	20.0	14.0	18.1	20.5	15
MSS 155 - 11	11	22.0	16.5	20.6	23.5	18
MSS 155 - 12	12	22.0	16.5	20.6	23.5	18
MSS 155 - 13	13	25.0	19.0	23.1	28.0	22
MSS 155 - 14	14	25.0	19.0	23.1	28.0	22
MSS 155 - 15	15	29.0	21.0	26.9	29.0	22
MSS 155 - 16	16	29.0	21.0	26.9	30.0	23
MSS 155 - 17	17	29.0	21.0	26.9	30.0	23
MSS 155 - 18	18	33.0	25.0	30.9	32.0	24
MSS 155 - 19	19	33.0	25.0	30.9	33.0	25
MSS 155 - 20	20	33.0	25.0	30.9	33.0	25
MSS 155 - 21	21	38.0	30.0	35.4	33.0	25

MODEL	D1	D3	D6	D7	L	L3
MSS 155 - 22	22	38.0	30.0	35.4	33.0	25
MSS 155 - 23	23	38.0	30.0	35.4	35.0	27
MSS 155 - 24	24	38.0	30.0	35.4	35.0	27
MSS 155 - 25	25	40.0	33.0	38.2	35.5	27
MSS 155 - 28	28	46.0	38.0	43.3	38.0	29
MSS 155 - 29	29	46.0	38.0	43.3	39.0	30
MSS 155 - 30	30	46.0	38.0	43.3	39.0	30
MSS 155 - 32	32	46.0	38.0	43.3	39.0	30
MSS 155 - 33	33	48.0	45.0	53.5	50.5	39
MSS 155 - 35	35	50.0	45.0	53.5	50.5	39
MSS 155 - 38	38	58.0	52.0	60.5	50.5	39
MSS 155 - 40	40	58.0	52.0	60.5	50.5	39

MSS 156

Operating conditions:

Temperature:-40℃~80℃
Pressure:≤0.5MPa
Speeds:≤5m/sec

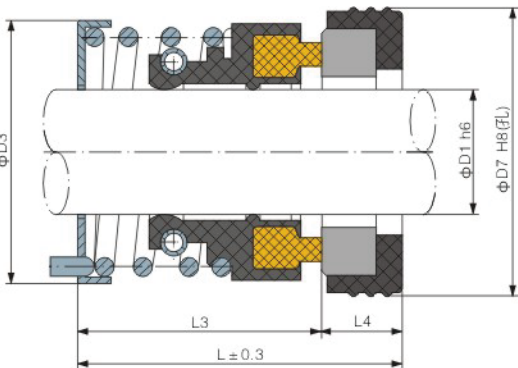
Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions.



MODEL	D1	D3	D7	L	L3	L4
MSS 156 - 8	8	17.0	18	18.0	13.5	4.5
MSS 156 - 8B	8	17.0	21	18.0	13.0	5.0
MSS 156 - 9	9	18.5	21	22.0	16.0	6.0
MSS 156 - 10	10	21.0	22	23.0	17.0	6.0
MSS 156 - 11	11	21.0	24	23.0	16.5	6.5
MSS 156 - 12	12	23.0	26	24.0	17.5	6.5
MSS 156 - 13	13	23.5	26	24.0	17.5	6.5
MSS 156 - 14	14	25.0	28	25.0	18.5	6.5
MSS 156 - 15	15	25.0	28	25.0	18.5	6.5
MSS 156 - 16	16	28.5	32	27.0	19.0	8.0
MSS 156 - 17	17	28.5	32	27.0	19.0	8.0
MSS 156 - 18	18	31.5	35	29.0	21.0	8.0

Materials:

Rotary ring (Carbon)
Stationary ring (Ceramic/SiC)
Secondary seal (NBR)
Spring & Other parts (SUS304)



MODEL	D1	D3	D7	L	L3	L4
MSS 156 - 19	19	31.5	35	29.0	21.0	8.0
MSS 156 - 20	20	33.5	38	31.0	23.0	8.0
MSS 156 - 22	22	34.5	40	32.0	24.0	8.0
MSS 156 - 25	25	37.5	44	33.0	24.0	9.0
MSS 156 - 28	28	40.5	46	34.0	25.0	9.0
MSS 156 - 30	30	47.5	50	35.0	25.5	9.5
MSS 156 - 32	32	47.5	54	37.0	27.5	9.5
MSS 156 - 35	35	50.5	58	40.0	30.0	10.0
MSS 156 - 38	38	53.5	60	42.0	32.0	10.0
MSS 156 - 40	40	56.5	64	43.0	33.0	10.0
MSS 156 - 45	45	61.5	66	45.0	35.0	10.0
MSS 156 - 50	50	66.5	72	47.0	37.0	10.0

MSS 166

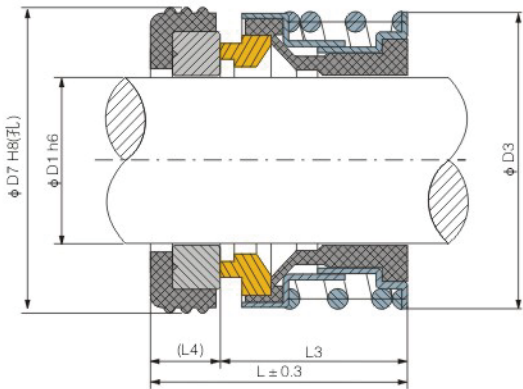
Operating conditions:

Temperature:-40 °C ~ 125 °C
Pressure:≤0.7MPa
Speeds:≤10m/sec

Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions.

Materials:

Stationary ring (Ceramic/SiC/TC)
Rotary Ring(Plastic Carbon/Carbon/SiC/TC)
Secondary Seal (NBR/EPDM/VITON)
Spring & Other Parts(SUS304/SUS316)



Equivalent to "PAC-SEAL" type16 is equivalent to "PAC" type16 in the United States

MODEL	D1	D3	D7	L	L3	L4
MSS 166 - 3/8"	9.525	23.29	22.225	23.8	16.7	7.1
MSS 166 - 1/2"	12.7	23.29	25.4	23	16.6	6.4
MSS 166 - 14	14	30.1	30	25	18	7
MSS 166 - 5/8"	15.875	30.1	31.75	28.6	18.3	10.3
MSS 166 - 3/4"	19.05	33.07	34.925	28.6	18.3	10.3
MSS 166 - 7/8"	22.225	36.3	38.1	31	20.7	10.3
MSS 166 - 1"	25.4	39.42	41.275	31.7	20.7	11

MSS 166T

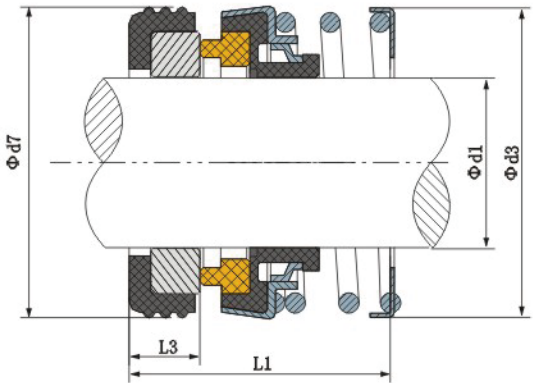
Operating conditions:

Temperature:-40 °C ~ 125 °C
Pressure:≤0.7MPa
Speeds:≤10m/sec

Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions.

Materials:

Rotary ring (Carbon/SiC/TC)
Stationary ring (Ceramic/SiC/TC)
Secondary seal(NBR/EPDM/VITON)
Spring & Other parts (SUS304/SUS316)



MODEL	D1	D3	D7	L1	L3
MSS 166T - 3/8"	9.525	23.292	24.587	34.138	8.738
MSS 166T - 1/2"	12.700	23.292	27.788	34.138	8.738
MSS 166T - 5/8"	15.875	30.099	30.937	35.712	10.312
MSS 166T - 3/4"	19.050	33.071	33.134/138	35.712	6.5/10.312
MSS 166T - 7/8"	22.225	36.297	37.287	35.712	10.312
MSS 166T - 1"	25.400	39.421	41.28/40.488	43.307	10.312
MSS 166T - 1 1/8"	28.575	44.450	47.625	44.907	11.913
MSS 166T - 1 1/4"	31.750	47.625	50.800	44.907	11.913
MSS 166T - 1 3/8"	34.925	50.800	53.975	44.907	11.913
MSS 166T - 1 1/2"	38.100	53.975	57.150	44.907	11.913
MSS 166T - 1 5/8"	41.275	60.325	60.325	44.907	11.913
MSS 166T - 1 3/4"	44.450	60.325	63.500	52.934	11.913
MSS 166T - 1 7/8"	47.625	63.881	66.675	52.934	11.913
MSS 166T - 2"	50.800	66.675	69.850	54.508	13.487
MSS 166T - 12	12	23.3	27.8	34.1	8.7
MSS 166T - 16	16	30.1	30.95	35.7	10.3
MSS 166T - 20	20	36.3	35.7	35.7	10.3
MSS 166T - 22	22	36.3	37.3	35.7	10.3
MSS 166T - 24	24	39.4	40.5	35.7	10.3
MSS 166T - 25	25	39.4	40.5	35.7	10.3
MSS 166T - 28	28	44.4	47.65	45.2	11.9
MSS 166T - 30	30	47.6	50.8	45.2	11.9
MSS 166T - 32	32	47.6	50.8	45.2	11.9
MSS 166T - 35	35	50.8	54	45.2	11.9
MSS 166T - 38	38	54	57.15	45.2	11.9
MSS 166T - 40	40	60.3	60.35	45.2	11.9
MSS 166T - 45	45	66.7	63.5	52.4	11.9
MSS 166T - 48	48	66.7	66.7	52.4	11.9
MSS 166T - 50	50	66.7	69.85	54	13.5

MSS FBC/TYPE1

Operating conditions:

Temperature:-40~150℃
Pressure:≤1.4MPa
Speeds:≤13m/sec

Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions.

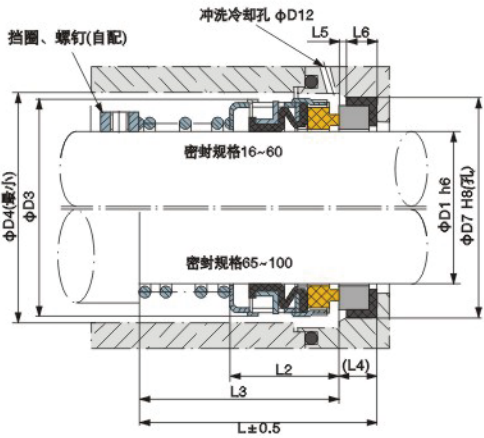
Materials:

Rotary Ring(Carbon/SiC/TC)
Stationary Ring(Ceramic/SiC/TC)
Secondary Seal(NBR/VITON)
Spring & Other Parts(SUS304/SUS316)



Design Features:

- 1.Simple and compact structure.
- 2,Rubber bellows structure with more reliable seal.
- 3. Bellows and gaskets with two different materials of NBR which has a good performance of oil resistance and wearing out resistance and viton which has a good quality of heat resistance,corrosive resistance.



MSS FBD/TYPE2

Operating conditions

Temperature:-40~150℃
Pressure:≤1.4MPa
Speeds:≤13m/sec

Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions.

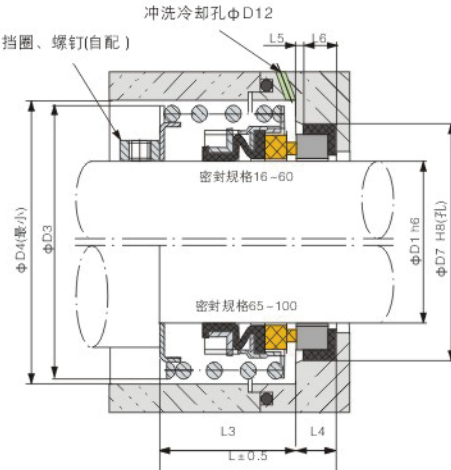
Materials

Rotary Ring(Carbon/SiC/TC)
Stationary Ring(Ceramic/SiC/TC)
Secondary Seal(NBR/VITON)
Spring&Other Parts(SUS304/SUS316)



Design Features:

- 1.Single structure, better integration and compact construction.
- 2. Rubber bellows structure with more reliable seal.
- 3. Bellows and gaskets with two different materials of NBR which has a good performance of oil resistance and wearing out resistance and viton which has a good quality of heat resistance,corrosive resistance.



MODEL	D1	D3	D4	D7	D12	L	L2	L3	L4	L5	L6
MSS FBC - 16	16	29	32	30	5	48	25	40	8	1.5	6
MSS FBC - 18	18	31	34	32	5	49	26	41	8	2.0	6
MSS FBC - 20	20	33	36	34	5	49	26	41	8	2.0	6
MSS FBC - 22	22	35	38	36	5	49	26	41	8	2.0	6
MSS FBC - 25	25	38	41	39	5	52	26	44	8	2.0	6
MSS FBC - 28	28	42	48	43	5	54	28	46	8	2.0	6
MSS FBC - 30	30	45	48	48	5	54	28	46	8	2.0	7
MSS FBC - 35	35	49	52	53	5	57	28	47	10	2.0	8
MSS FBC - 40	40	57	60	58	5	62	28	52	10	2.0	8
MSS FBC - 45	45	62	65	63	5	66	32	56	10	2.0	8
MSS FBC - 50	50	67	70	68	8	75	34	65	10	2.5	8
MSS FBC - 55	55	72	75	73	8	77	34	65	12	2.5	10
MSS FBC - 60	60	78	83	79	8	79	36	67	12	2.5	10
MSS FBC - 65	65	84	89	86	8	79	36	67	12	2.5	10
MSS FBC - 70	70	89	94	91	8	85	40	73	12	2.5	10
MSS FBC - 75	75	94	99	96	8	91	40	79	12	2.5	10
MSS FBC - 80	80	103	108	105	11	93	45	79	14	3.0	12
MSS FBC - 85	85	108	113	110	11	100	45	86	14	3.0	12
MSS FBC - 90	90	113	118	115	11	100	45	86	14	3.0	12
MSS FBC - 95	95	118	123	120	11	100	45	86	14	3.0	12
MSS FBC - 100	100	123	128	125	11	100	45	86	14	3.0	12

MODEL	D1	D3	D4	D7	D12	L	L3	L4	L5	L6
MSS TYPE1 - 3/8"	9.52	24	26	24.60	5	52.7	44	8.7	1.5	6
MSS TYPE1 - 1/2"	12.70	27	29	27.80	5	52.7	44	8.7	1.5	6
MSS TYPE1 - 5/8"	15.87	29	32	30.95	5	54.3	44	10.3	1.5	6
MSS TYPE1 - 3/4"	19.05	33	35	34.15	5	54.3	44	10.3	2.0	7
MSS TYPE1 - 7/8"	22.22	35	38	37.30	5	54.3	44	10.3	2.0	7
MSS TYPE1 - 1"	25.40	38	42	40.50	5	54.3	44	10.3	2.0	7
MSS TYPE1 - 1 1/8"	28.57	42	50	47.65	5	71.9	60	11.9	2.0	7
MSS TYPE1 - 1 1/4"	31.75	49	53	50.80	5	71.9	60	11.9	2.0	7
MSS TYPE1 - 1 3/8"	34.92	49	56	54.00	5	71.9	60	11.9	2.0	7
MSS TYPE1 - 1 1/2"	38.10	57	59	57.15	5	71.9	60	11.9	2.0	7
MSS TYPE1 - 1 5/8"	41.27	57	62	60.35	5	71.9	60	11.9	2.0	7
MSS TYPE1 - 1 3/4"	44.45	62	65	63.50	5	82.9	71	11.9	2.0	7
MSS TYPE1 - 1 7/8"	47.62	62	69	66.70	5	82.9	71	11.9	2.0	7
MSS TYPE1 - 2"	50.80	67	72	69.85	8	84.5	71	13.5	2.5	10
MSS TYPE1 - 2 1/8"	53.97	71	75	73.05	8	84.5	71	13.5	2.5	10
MSS TYPE1 - 2 1/4"	57.15	75	78	76.20	8	84.5	71	13.5	2.5	10
MSS TYPE1 - 2 3/8"	60.32	78	81	79.40	8	84.5	71	13.5	2.5	10
MSS TYPE1 - 2 1/2"	63.50	81	84	82.55	8	84.5	71	13.5	2.5	10

MODEL	D1	D3	D4	D7	D12	L	L3	L4	L5	L6
MSS FBD - 16	16	34.0	37	30	5	33	25	8	1.5	6
MSS FBD - 18	18	36.8	40	32	5	33	25	8	2.0	6
MSS FBD - 20	20	38.8	42	34	5	33	25	8	2.0	6
MSS FBD - 22	22	41.5	45	36	5	33	25	8	2.0	6
MSS FBD - 25	25	44.8	48	39	5	34	26	8	2.0	6
MSS FBD - 28	28	48.5	52	43	5	34	26	8	2.0	6
MSS FBD - 30	30	52.0	55	48	5	34	26	8	2.0	7
MSS FBD - 35	35	57.0	60	53	5	40	30	10	2.0	8
MSS FBD - 40	40	67.0	70	58	5	44	34	10	2.0	8
MSS FBD - 45	45	73.0	76	63	5	46	36	10	2.0	8
MSS FBD - 50	50	79.0	81	68	8	51	41	10	2.5	8
MSS FBD - 55	55	84.0	87	73	8	53	41	12	2.5	10
MSS FBD - 60	60	90.0	95	79	8	53	41	12	2.5	10
MSS FBD - 65	65	98.5	104	86	8	61	49	12	2.5	10
MSS FBD - 70	70	103.5	109	91	8	64	52	12	2.5	10
MSS FBD - 75	75	110.5	116	96	8	64	52	12	2.5	10
MSS FBD - 80	80	120.0	125	105	11	70	56	14	3.0	12
MSS FBD - 85	85	125.0	130	110	11	70	56	14	3.0	12
MSS FBD - 90	90	132.0	137	115	11	70	56	14	3.0	12
MSS FBD - 95	95	137.0	142	120	11	70	56	14	3.0	12
MSS FBD - 100	100	144.0	149	125	11	76	62	14	3.0	12

MODEL	D1	D3	D4	D7	D12	L	L3	L4	L5	L6
MSS TYPE2 - 3/8"	9.52	28.0	32	24.60	5	33.7	25	8.7	1.5	6
MSS TYPE2 - 1/2"	12.70	32.0	35	27.80	5	33.7	25	8.7	1.5	6
MSS TYPE2 - 5/8"	15.87	34.0	39	30.95	5	35.3	25	10.3	1.5	6
MSS TYPE2 - 3/4"	19.05	38.8	43	34.15	5	35.3	25	10.3	2.0	7
MSS TYPE2 - 7/8"	22.22	41.5	46	37.30	5	35.3	25	10.3	2.0	7
MSS TYPE2 - 1"	25.40	44.8	50	40.50	5	35.3	25	10.3	2.0	7
MSS TYPE2 - 1 1/8"	28.57	48.5	59	47.65	5	44.9	33	11.9	2.0	7
MSS TYPE2 - 1 1/4"	31.75	57.0	62	50.80	5	44.9	33	11.9	2.0	7
MSS TYPE2 - 1 3/8"	34.92	57.0	66	54.00	5	44.9	33	11.9	2.0	7
MSS TYPE2 - 1 1/2"	38.10	67.0	70	57.15	5	44.9	33	11.9	2.0	7
MSS TYPE2 - 1 5/8"	41.27	67.0	74	60.35	5	44.9	33	11.9	2.0	7
MSS TYPE2 - 1 3/4"	44.45	73.0	77	63.50	5	52.9	41	11.9	2.0	7
MSS TYPE2 - 1 7/8"	47.62	73.0	81	66.70	5	52.9	41	11.9	2.0	7
MSS TYPE2 - 2"	50.80	79.0	85	69.85	8	54.5	41	13.5	2.5	10
MSS TYPE2 - 2 1/8"	53.97	84.0	88	73.05	8	54.5	41	13.5	2.5	10
MSS TYPE2 - 2 1/4"	57.15	84.0	91	76.20	8	54.5	41	13.5	2.5	10
MSS TYPE2 - 2 3/8"	60.32	90.0	94	79.40	8	54.5	41	13.5	2.5	10
MSS TYPE2 - 2 1/2"	63.50	94.0	97	82.55	8	54.5	41	13.5	2.5	10

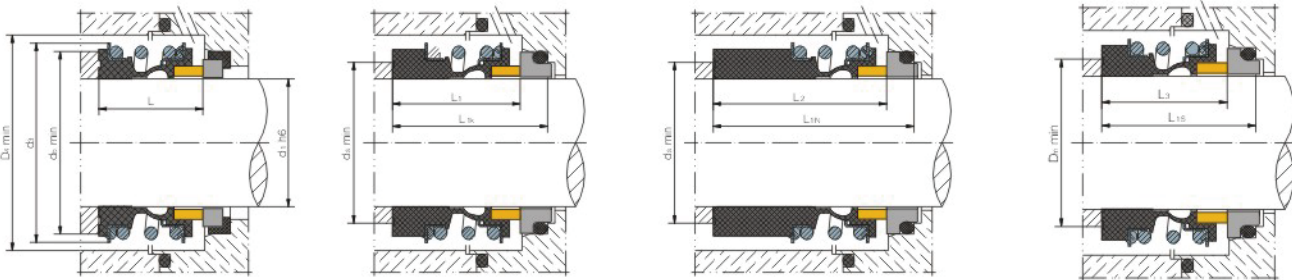
Operating conditions:

Temperature:-40 °C ~125 °C
Pressure:≤1.2MPa
Speeds:≤13m/sec

Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions.

Materials:

Rotary ring (Carbon/SiC/TC)
Stationary ring (Ceramic/SiC/TC)
Secondary seal (NBR/EPDM/VITON)
Spring & Other parts (SUS304/SUS316)



MG1

MG12

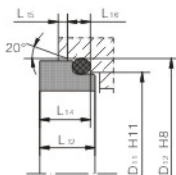
MG13

MG1S20

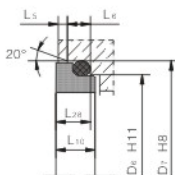
The unspecified size and model specifications are the same as MG1, and the K-type design meets the DIN 24960 standard, and the static rings are usually G6 and G60

The unspecified size and model specifications are the same as MG1, and the N-type design meets the DIN 24980 standard, and the static rings are usually G6 and G60

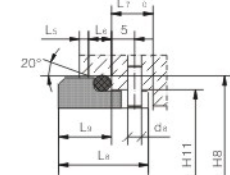
The size and model specifications are the same as NG1, and the non-standard design with a static ring is G50



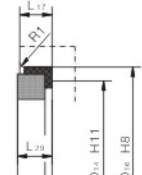
G4



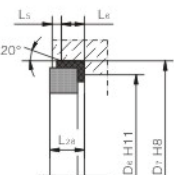
G6 (DIN 24960)



G9 (DIN 24960)



G50



G6 (DIN 24960)

Shaft Size	d1	d3	D4	D6	D7	d8	D11	D12	D14	D16	db	ds	dm	L	L1	L2	L3
10	10	22.5	24	17	21	3	15.5	19.2	11.0	24.60	20.5	18	18	14.5	25.9	33.4	25
12	12	25.0	26	19	23	3	17.5	21.6	13.5	27.80	22.5	20	20	15.0	25.9	33.4	25
14	14	28.5	30	21	25	3	20.5	24.6	17.0	30.95	26.5	22	22	17.0	28.4	33.4	25
15	15	28.5	30	23	27	3	20.5	24.6	17.0	30.95	26.5	22	22	17.0	28.4	33.4	25
16	16	28.5	30	23	27	3	22.0	28.0	17.0	30.95	26.5	22	22	17.0	28.4	33.4	25
18	18	32.0	33	27	33	3	24.0	30.0	20.0	34.15	29	26	29	19.5	30.0	37.5	25
19	19	37.0	38	29	35	3	—	—	20.0	34.15	33	28	33	21.5	30.0	37.5	25
20	20	37.0	38	29	35	3	29.5	35.0	21.5	35.70	33	28	33	21.5	30.0	37.5	25
22	22	37.0	38	31	37	3	29.5	35.0	23.0	37.30	33	28	33	21.5	30.0	37.5	25
24	24	42.5	44	33	39	3	32.0	38.0	26.5	40.50	38	32	38	22.5	32.5	42.5	25
25	25	42.5	44	34	40	3	32.0	38.0	26.5	40.50	38	32	38	23.0	32.5	42.5	25
28	28	49.0	50	37	43	3	36.0	42.0	29.5	47.65	44	37	37	26.5	35.0	42.5	33
30	30	49.0	50	39	45	3	39.2	45.0	32.5	50.80	44	37	37	26.5	35.0	42.5	33
32	32	53.5	55	42	48	3	42.2	48.0	32.5	50.80	46	41	41	27.5	35.0	47.5	33
33	33	53.5	55	42	48	3	44.2	50.0	36.5	54.00	46	41	41	27.5	35.0	47.5	33
35	35	57.0	59	44	50	3	46.2	52.0	36.5	54.00	50	44	44	28.5	35.0	47.5	33
38	38	59.0	61	49	56	4	49.2	55.0	39.5	57.15	53	47	53	30.0	36.0	46.0	33
40	40	62.0	64	51	58	4	52.2	58.0	42.5	60.35	55	49	55	30.0	36.0	46.0	33
42	42	65.5	67	—	—	4	—	—	46.0	63.50	58	53	53	30.0	36.0	51.0	41
43	43	65.5	67	54	61	4	53.3	62.0	46.0	63.50	58	53	53	30.0	36.0	51.0	41
45	45	68.0	70	56	63	4	55.3	64.0	46.0	63.50	60	55	55	30.0	36.0	51.0	41
48	48	70.5	74	59	66	4	59.7	68.4	49.0	66.70	63	58	58	30.5	36.0	51.0	41
50	50	74.0	77	62	70	4	60.8	69.3	52.0	69.85	65	60	60	30.5	38.0	50.5	41
53	53	78.5	81	65	73	4	63.8	72.3	55.5	73.05	70	63	63	33.0	36.5	59.0	41
55	55	81.0	83	67	75	4	66.5	75.4	58.5	76.20	72	65	65	35.0	36.5	59.0	41
58	58	85.5	88	70	78	4	69.5	78.4	61.5	79.40	75	68	68	37.0	41.5	59.0	41
60	60	88.5	91	72	80	4	71.5	80.4	61.5	79.40	79	70	70	38.0	41.5	59.0	41
65	65	93.5	96	77	85	4	76.5	85.4	68.0	92.10	84	77	77	40.0	41.5	69.0	49
68	68	96.5	100	81	90	4	82.7	91.5	71.0	95.25	88	80	80	40.0	41.2	68.7	49
70	70	99.5	103	83	92	4	83.0	92.0	71.0	95.25	90	82	82	40.0	48.7	68.7	49
75	75	107.0	110	88	97	4	90.2	99.0	77.5	101.60	95	87	87	40.0	48.7	68.7	52
80	80	112.0	116	95	105	4	95.2	104.0	84.0	114.30	100	92	92	40.0	48.0	78.0	56
85	85	120.0	124	100	110	4	100.2	109.0	87.0	117.50	107	97	97	41.0	46.0	76.0	56
90	90	127.0	131	105	115	4	105.2	114.0	93.5	123.85	114	104	104	45.0	51.0	76.0	59
95	95	132.0	136	110	120	4	111.6	120.3	96.5	127.00	119	109	109	46.0	51.0	76.0	59
100	100	137.0	140	115	125	4	114.5	123.3	103.0	133.35	124	114	114	47.0	51.0	76.0	62

L1K	L1N	L1S20	L5	L6	L7	L8	L9	L10	L12	L14	L15	L16	L17	L28	L29	R	Shaft Size
32.5	40	34.0	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	10
32.5	40	34.0	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	12
35.0	40	35.5	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	14
—	—	35.5	—	—	—	17.5	10.0	—	7.5	6.6	1.2	3.8	9.0	6.6	10.5	1.2	15
35.0	40	35.5	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	16
37.5	45	36.5	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	18
—	—	35.5	—	—	—	—	—	—	—	7.5	—	—	9.0	7.5	10.5	—	19
37.5	45	36.5	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	20
37.5	45	36.5	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
40.0	50	35.5	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
40.0	50	35.5	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
42.5	50	45.0	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	28
42.5	50	45.0	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	30
42.5	55	45.0	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
42.5	55	45.0	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	33
42.5	55	45.0	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
45.0	55	45.0	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	38
45.0	55	45.0	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	40
—	—	53.0	—	—	—	—	—	—	13.2	12.0	2.0	6.0	10.5	—	12.0	2.5	42
45.0	60	53.0	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	43
45.0	60	53.0	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	45
45.0	60	53.0	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
47.5	60	54.5	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	50
47.5	70	54.5	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	53
47.5	70	54.5	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	55
52.5	70	54.5	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
52.5	70	54.5	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
52.5	80	65.0	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	65
52.5	80	65.0	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	68
60.0	80	65.0	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	70
60.0	80	68.0	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	75
60.0	90	76.0	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	80
60.0	90	76.0	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	85
65.0	90	79.0	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
65.0	90	79.0	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	95
65.0	90	82.0	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

MSS 502

Operating conditions :

Temperature: -40℃~150℃
Pressure:≤4MPa
Speeds: ≤13m/sec

Applications: Used in different pumps, mixers and other rotating equipments which apply to oil, water and other weak corrosive solutions.

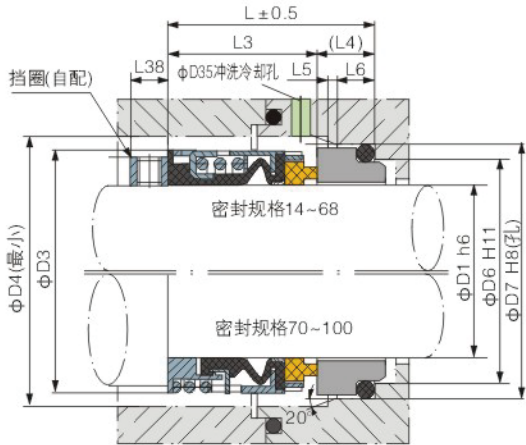
Materials :

Rotary ring (Carbon/SiC/TC)
Stationary ring (99%Ceramic/SiC/TC)
Secondary seal (VITON/NBR)
Spring & Other parts (SUS304/SUS316)



Design Features:

- 1.Single structure, better integration and compact construction, reliable seal and long operation cycles.
- 2. Suitable for many specifications and designs which conform to GB656, 1S03069 and DIN24960.



MSS F

Operating conditions :

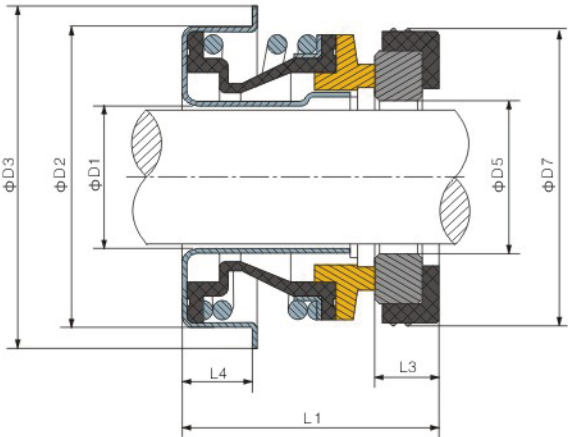
Temperature: -40℃~150℃
Pressure:≤10MPa
Speeds: ≤13m/sec

Applications: Used in mini-water pump and automobile engine cooling water pump



Materials :

Rotary ring (Ceramic/SiC)
Stationary ring (Carbon/SiC)
Secondary seal (NBR/HNBR/EPDM/VITON)
Spring & Other parts (SUS304)



MODEL	D1	D3	D4	D6	D7	D35	L	L3	L4	L5	L6	L8	L38
MSS 502 - 14	14	24	26	21	25	6.5	35.0	23.0	12.0	1.5	4	12.5	5.0
MSS 502 - 16	16	26	28	23	27	6.5	35.0	23.0	12.0	1.5	4	12.5	5.0
MSS 502 - 18	18	32	34	27	33	6.5	37.5	24.0	13.5	2.0	5	14.5	7.5
MSS 502 - 20	20	34	36	29	35	6.5	37.5	24.0	13.5	2.0	5	14.5	7.5
MSS 502 - 22	22	36	38	31	37	6.5	37.5	24.0	13.5	2.0	5	14.5	7.5
MSS 502 - 24	24	38	40	33	39	6.5	40.0	26.7	13.5	2.0	5	14.5	7.5
MSS 502 - 25	25	39	41	34	40	6.5	40.0	27.0	13.0	2.0	5	14.0	7.5
MSS 502 - 28	28	42	44	37	43	6.5	42.5	30.0	12.5	2.0	5	13.5	7.5
MSS 502 - 30	30	44	46	39	45	6.5	42.5	30.5	12.0	2.0	5	13.0	7.5
MSS 502 - 32	32	46	48	42	48	6.5	42.5	30.5	12.0	2.0	5	13.0	8.0
MSS 502 - 33	33	47	49	42	48	6.5	42.5	30.5	12.0	2.0	5	13.0	8.0
MSS 502 - 35	35	49	51	44	50	6.5	42.5	30.5	12.0	2.0	5	13.0	8.0
MSS 502 - 38	38	54	58	49	56	6.5	45.0	32.0	13.0	2.0	6	14.0	10.0
MSS 502 - 40	40	56	60	51	58	6.5	45.0	32.0	13.0	2.0	6	14.0	10.0

MODEL	D1	D3	D4	D6	D7	D35	L	L3	L4	L5	L6	L8	L38
MSS 502 - 43	43	59	63	54	61	6.5	45.0	32.0	13.0	2.0	6	14.0	12.0
MSS 502 - 45	45	61	65	56	63	6.5	45.0	32.0	13.0	2.0	6	14.0	12.0
MSS 502 - 48	48	64	68	59	66	6.5	45.0	32.0	13.0	2.0	6	14.0	12.0
MSS 502 - 50	50	66	70	62	70	6.5	47.5	34.0	13.5	2.5	6	14.5	12.0
MSS 502 - 53	53	69	73	65	73	6.5	47.5	34.0	13.5	2.5	6	14.5	12.0
MSS 502 - 55	55	71	75	67	75	6.5	47.5	34.0	13.5	2.5	6	14.5	12.0
MSS 502 - 58	58	78	83	70	78	6.5	52.5	39.0	13.5	2.5	6	14.5	14.0
MSS 502 - 60	60	80	85	72	80	6.5	52.5	39.0	13.5	2.5	6	14.5	14.0
MSS 502 - 63	63	83	88	75	83	6.5	52.5	39.0	13.5	2.5	6	14.5	14.0
MSS 502 - 65	65	85	90	77	85	6.5	52.5	39.0	13.5	2.5	6	14.2	14.0
MSS 502 - 68	68	88	93	81	90	6.5	52.5	39.0	13.5	2.5	7	14.2	14.0
MSS 502 - 70	70	89	95	83	92	6.5	60.0	45.5	14.5	2.5	7	15.2	14.0
MSS 502 - 75	75	96	104	88	97	6.5	60.0	45.5	14.5	2.5	7	15.2	14.0
MSS 502 - 80	80	104	109	95	105	6.5	60.0	45.0	15.0	3.0	7	15.7	14.0

Model	Shaft	D1	D2	D3	D5	D7	L1	L3	L4
MSS F - 10	10	11.0	24	29	12	23	17	4	7
MSS F - 12S	12	14.2	28.55	32	14	25	18.2	5	8
MSS F - 12M	12	14.2	30	35	15	24/23	18	5	8
MSS F - 12L	12	14.2	33.4	38	14	25	18	5	6.7
MSS F - 16	16	18.2	36.45	41.5	18	31	19.8	5	8.5
MSS F - 16L	16	18.2	38.1	43.5	18	31	19.8	5	8.8
MSS F - 16LD	16	18.2	38.1	43.5	18	31	19.8	5	8.8
MSS F - 20S	20	21.2	40	43.8	21	35	20.5	5	9.5
MSS F - 20	20	21.2	46	43.8	21	35	20.5	5	9.5
MSS F - 25S	25	26.4	47	51	26	44	25	7	10
MSS F - 25	25	26.4	52	51	26	44	25	7	12
MSS F - 25L	25	26.4	52	57	27	48	25	7	12
MSS F - 30	30	31.0	52	57	32	48	27	8	11
MSS F - 1/2"	12.7	14.2	30	35	13.5	25.4	19.2	6.2	8
MSS F - 5/8"	15.875	18.2	36.45	41.5	17.5	31.75	25	10.3	8.5
MSS F - 3/4"	19.05	21.2	40	43.8	20	34.925	25.8	10.3	9.5
MSS F - 1"	25.4	26.4	47	51	27	41.275	29	11.1	12

MSS SB

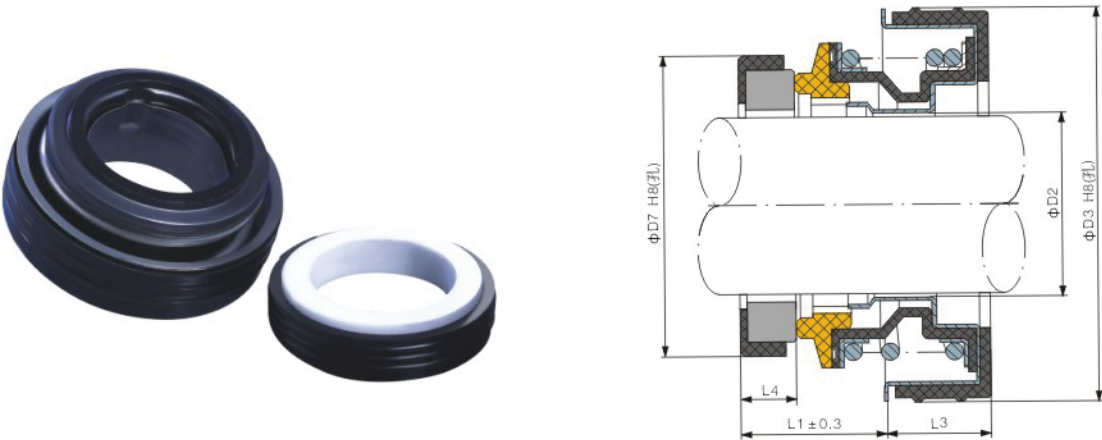
Operating conditions :

Temperature:-40 °C ~140 °C
Pressure:≤0.5MPa
Speeds:≤10m/sec

Applications:Used in mini-water pumps and gasoline engine pumps.

Materials :

Rotary ring (Ceramic/SiC)
Stationary ring (Carbon/SiC)
Secondary seal (NBR/HNBR/EPDM/VITON)
Spring & Other parts (SUS304)



MSS FB

Operating conditions :

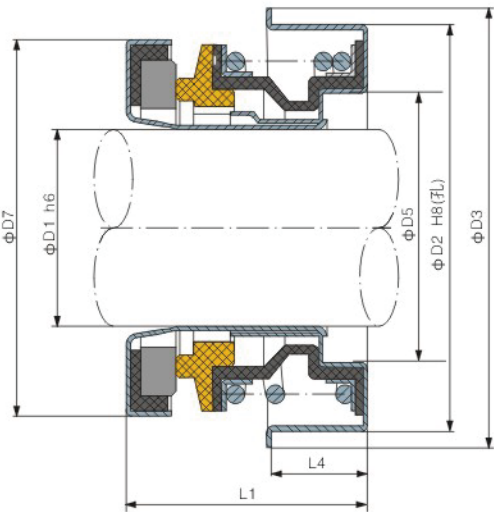
Temperature:-40 °C ~150 °C
Pressure:≤0.5MPa
Speeds:≤10m/sec

Applications: Used in automobile engine cooling water pump



Materials :

Rotary ring (Ceramic/SiC)
Stationary ring (Carbon/SiC)
Secondary seal (NBR/HNBR/EPDM/VITON)
Spring & Other parts (SUS304)



MODEL	D2	D3	D7	L1	L3	L4
MSS SB - 10	11.0	27.0	23.0	10.5	7.5	4.0
MSS SB - 12	14.0	32.0	25.0	10.2	9.0	5.0
MSS SB - 16	18.0	41.0	31.0	11.8	10.0	5.0
MSS SB - 16A	18.0	41.0	35.0	16.5	9.5	9.0
MSS SB - 17	18.5	35.0	30.0	16.0	9.0	6.5
MSS SB - 20	21.0	45.0	35.0	11/16.3	11.5	5/10.3
MSS SB - 25	26.4	52.0	41.3	19.0	12.0	11.0
MSS SB - 30	31.0	58.0	48.0	16.5	12.5	8.5

MODEL	D1	D2	D3	D5	D7	L1	L4
MSS FB - 12S	12	28.55	32.0	18.5	25/26	17.5	8.0
MSS FB - 12M	12	30.00	35.0	18.5	25/26	17.5	8.0
MSS FB - 12L	12	33.40	38.0	18.5	25/26	17.5	6.7
MSS FB - 13	13	30.00	35.0	18.5	25/26	18.0	8.0
MSS FB - 15	15	36.45	41.5	22.5	30.5	20.5	8.5
MSS FB - 16	16	36.45	41.5	22.5	30.5	20.5	8.5

MODEL	D1	D2	D3	D5	D7	L1	L4
MSS FE - 16B	16	36.45	41.5	22.5	28.0	20.0	8.5
MSS FE - 16T	16	36.45	41.5	19.3	31.5	20.5	9.0
MSS FE - 16L	16	38.10	43.5	22.5	30.5	20.5	8.8
MSS FE - 16LD	16	38.10	43.5	22.5	28.5	20.5	8.8
MSS FE - 20	20	38/40	43.8	26.5	37.0	22.0	9.5
MSS FE - 20T	20	40.00	43.8	28.0	37.0	22.0	9.5

Industrial pump with O-ring mechanical seal

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MODEL	D1	D3	D4	D6	D7	D8	D0	L	L3	L4	L5	L6	L7	L8
MSS GB105 - 35	35	57	60	45	55	3	40	52	38	14	2.0	6.5	8	19
MSS GB105 - 40	40	62	65	50	60	3	45	52	38	14	2.0	6.5	8	19
MSS GB105 - 45	45	67	70	55	65	3	50	53	39	14	2.0	6.5	8	19
MSS GB105 - 50	50	72	75	60	70	3	55	53	39	14	2.5	6.5	8	19
MSS GB105 - 55	55	77	80	65	75	3	60	53	39	14	2.5	6.5	8	19
MSS GB105 - 60	60	82	85	70	80	3	65	53	39	14	2.5	6.5	8	19
MSS GB105 - 65	65	91	95	80	90	3	73	61	44	17	2.5	6.5	8	22
MSS GB105 - 70	70	96	100	85	97	3	78	63	44	19	2.5	7.5	9	25
MSS GB105 - 75	75	101	105	90	102	3	83	63	44	19	2.5	7.5	9	25
MSS GB105 - 80	80	106	110	95	107	3	88	63	44	19	3.0	7.5	9	25
MSS GB105 - 85	85	111	115	100	112	3	93	65	46	19	3.0	7.5	9	25
MSS GB105 - 90	90	116	120	105	117	3	98	65	46	19	3.0	7.5	9	25
MSS GB105 - 95	95	121	125	110	122	3	103	65	46	19	3.0	7.5	9	25
MSS GB105 - 100	100	126	130	115	127	3	108	65	46	19	3.0	7.5	9	25
MSS GB105 - 110	110	140	145	130	142	3	120	72	51	21	3.0	8.0	9	27
MSS GB105 - 120	120	150	155	140	152	3	130	72	51	21	3.0	8.0	9	27

MSS M7N

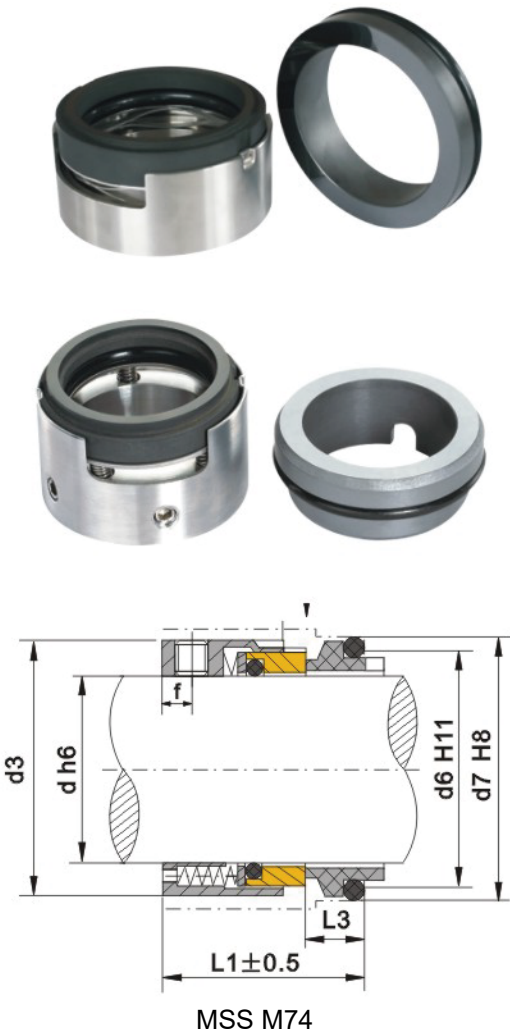
Operating conditions :

Temperature:-40℃~150℃
Temperature: ≤1.6MPa
Speed:≤13m/sec

Applications: Used in different pumps, mixers and other rotating equipments, the products are widely used in various centrifugal pumps,chemical pumps and various anticorrosive pumps.

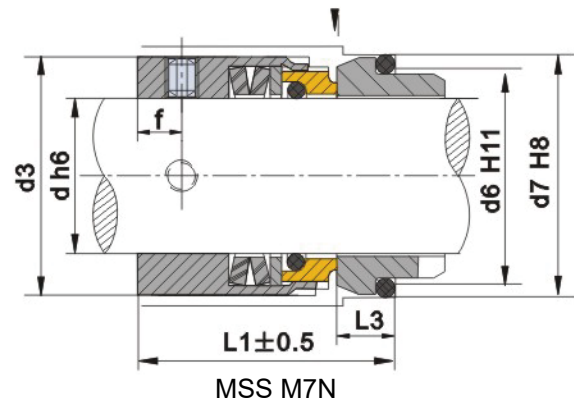
Design Features :

By adopting inner installation, inside current, single seal face, with Super-Sinus spring (M74 is multi-spring), any rotation direction and non-balancing type structure.Complies with the standard GB 6556, 1S0 3069 and DIN 24960.



Materials :

Stationary Ring(Carbon/SiC/Inserted TC)
Rotary Ring(SiC/Inserted TC)
Secondary Seal(NBR/EPDM/VITON)
Spring & Other Parts(SUS304/SUS316)



Seal size d(mm)	d3	d6	d7	L1	L3	f
MSS M7N - 14	25.0	21	25.0	35.0	10.0	6.0
MSS M7N - 16	27.0	23	27.0	35.0	10.0	6.0
MSS M7N - 18	33.0	27	33.0	37.5	11.5	7.0
MSS M7N - 20	35.0	29	35.0	37.5	11.5	7.0
MSS M7N - 22	37.0	31	37.0	37.5	11.5	7.0
MSS M7N - 24	39.0	33	39.0	40.0	11.5	8.0
MSS M7N - 25	40.0	34	40.0	40.0	11.5	8.0
MSS M7N - 28	43.0	37	43.0	42.5	11.5	8.0
MSS M7N - 30	45.0	39	45.0	42.5	11.5	8.0
MSS M7N - 32	47.0	42	48.0	42.5	11.5	8.0
MSS M7N - 33	48.0	42	48.0	42.5	11.5	8.0
MSS M7N - 35	50.0	44	50.0	42.5	11.5	8.0
MSS M7N - 38	55.0	49	56.0	45.0	14.0	8.0
MSS M7N - 40	57.0	51	58.0	45.0	14.0	8.0
MSS M7N - 43	60.0	54	61.0	45.0	14.0	8.0
MSS M7N - 45	62.0	56	63.0	45.0	14.0	8.0
MSS M7N - 48	65.0	59	66.0	45.0	14.0	8.0
MSS M7N - 50	67.0	62	70.0	47.5	15.0	8.0
MSS M7N - 53	70.0	65	73.0	47.5	15.0	8.0
MSS M7N - 55	72.0	67	75.0	47.5	15.0	8.0
MSS M7N - 58	79.0	70	78.0	52.5	15.0	9.0
MSS M7N - 60	81.0	72	80.0	52.5	15.0	9.0
MSS M7N - 63	84.0	75	83.0	52.5	15.0	9.0
MSS M7N - 65	86.0	77	85.0	52.5	15.0	9.0
MSS M7N - 68	89.0	81	90.0	52.5	18.0	9.0
MSS M7N - 70	91.0	83	92.0	60.0	18.0	9.0
MSS M7N - 75	99.0	88	97.0	60.0	18.0	10.0
MSS M7N - 80	104.0	95	105.0	60.0	18.2	10.0
MSS M7N - 85	109.0	100	110.0	60.0	18.2	10.0
MSS M7N - 90	114.0	105	115.0	65.0	18.2	10.0
MSS M7N - 95	119.0	110	120.0	65.0	17.2	10.0
MSS M7N - 100	124.0	115	125.0	65.0	17.2	10.0

MSS H7N

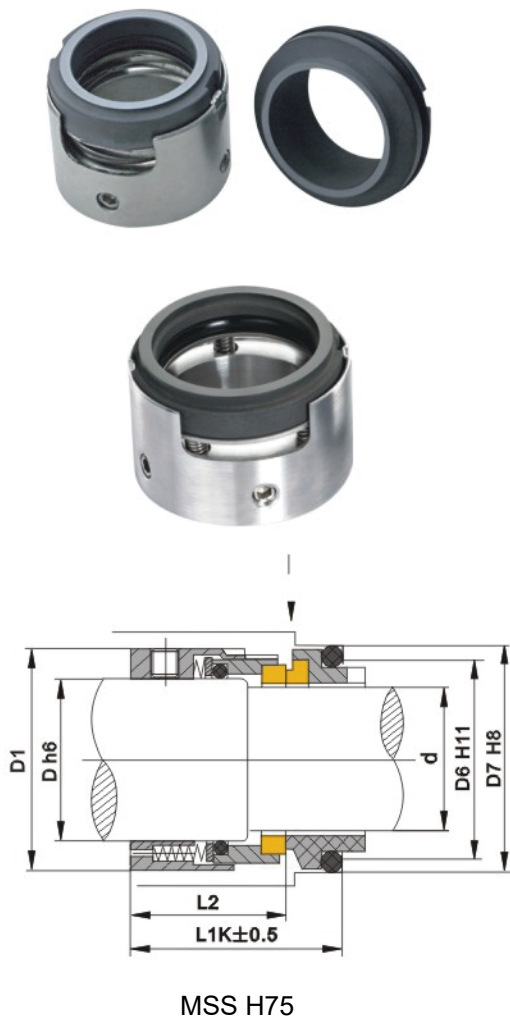
Operating conditions :

Temperature:-40℃~150℃
Pressure:≤2.5MPa
Speed:≤13m/sec

Applications: Used in different pumps, mixers and other rotating equipments, the products are widely used in various centrifugal pumps, chemical pumps and various anticorrosive pumps.

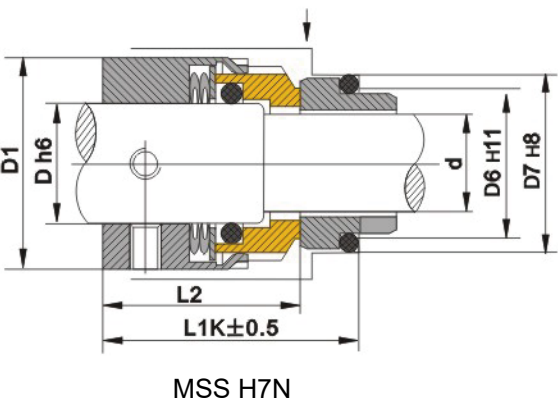
Materials :

Rotary ring (SiC/inserted TC)
Stationary ring (Carbon/SiC/inserted TC)
Secondary seal (NBR/EPDM/VITON)
Spring & Other parts (SUS304/SUS316)



Design Features :

By adopting inner installation, inside current, single seal face, with Super-Sinus spring (H75 is multi-spring), any rotation direction and balanced structure.
Complies with the standard GB 6556, ISO 3069 and DIN 24960.



Seal size d(mm)	D	D1	D6	D7	L1K	L2
MSS H7N - 14	18	33	21	25	42.5	32.5
MSS H7N - 16	20	35	23	27	42.5	32.5
MSS H7N - 18	22	37	27	33	45	33.5
MSS H7N - 20	24	39	29	35	45	33.5
MSS H7N - 22	26	41	31	37	45	36
MSS H7N - 24	28	43	33	39	47.5	36
MSS H7N - 25	30	45	34	40	47.5	36
MSS H7N - 28	33	48	37	43	50	38.5
MSS H7N - 30	35	50	39	45	50	38.5
MSS H7N - 32	38	55	42	48	50	38.5
MSS H7N - 33	38	55	42	48	50	38.5
MSS H7N - 35	40	57	44	50	50	38.5
MSS H7N - 38	43	60	49	56	52.5	38.5
MSS H7N - 40	45	62	51	58	52.5	38.5
MSS H7N - 43	48	65	54	61	52.5	38.5
MSS H7N - 45	50	67	56	63	52.5	38.5
MSS H7N - 48	53	70	59	66	52.5	38.5
MSS H7N - 50	55	72	62	70	57.5	42.5
MSS H7N - 53	58	79	65	73	57.5	42.5
MSS H7N - 55	60	81	67	75	57.5	42.5
MSS H7N - 58	63	84	70	78	62.5	47.5
MSS H7N - 60	65	86	72	80	62.5	47.5
MSS H7N - 63	68	89	75	83	62.5	47.5
MSS H7N - 65	70	91	77	85	62.5	47.5
MSS H7N - 70	75	99	83	92	70	52
MSS H7N - 75	80	104	88	97	70	52
MSS H7N - 80	85	109	95	105	70	51.8
MSS H7N - 85	90	114	100	110	75	56.8
MSS H7N - 90	95	119	105	115	75	56.8
MSS H7N - 95	100	124	110	120	75	57.8
MSS H7N - 100	105	129	115	125	75	57.8

MSS 58U

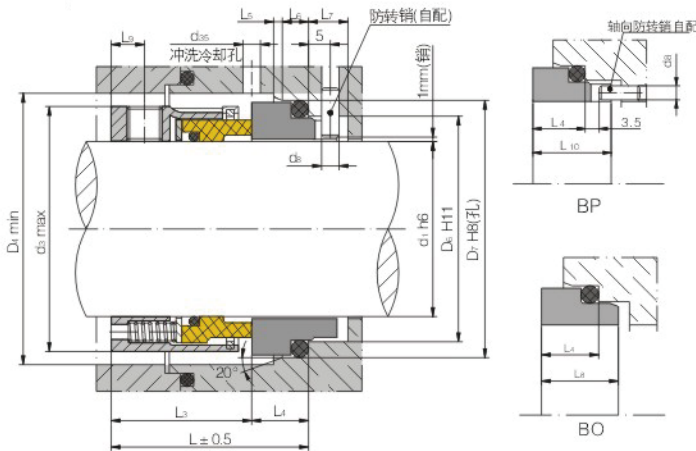
Operating conditions:

Temperature:-40℃~150℃
Pressure:≤1.7MPa
Speeds:≤25m/sec

Applications: Used in all types of rotating equipment, pumps, mixers, agitators and compressors. To suit industries such as general chemical, oil refining, petrochemical, pharmaceutical, food processing, pulp and paper, and wastewater treatment

Materials(to DIN24960):

Rotary ring (Carbon/SiC/Inserted TC)
Stationary ring (SiC/Inserted TC)
Secondary seal (NBR/EPDM/VITON)
Spring & Other parts (SUS304/SUS316)



MODEL	d1	d3	D4	D6	D7	d8	d35	L	L3	L4	L5	L6	L7	L8	L9	L10
MSS 58U - 14	14	24	26	21	25	2	6.5	35.0	23.0	12.0	1.5	4	8.5	12.5	4.0	18.0
MSS 58U - 16	16	26	28	23	27	2	6.5	35.0	23.0	12.0	1.5	4	8.5	12.5	4.0	18.0
MSS 58U - 18	18	32	34	27	33	3	6.5	37.5	24.0	13.5	2.0	5	9.0	14.5	5.0	20.0
MSS 58U - 20	20	34	36	29	35	3	6.5	37.5	24.0	13.5	2.0	5	9.0	14.5	5.0	20.0
MSS 58U - 22	22	36	38	31	37	3	6.5	37.5	24.0	13.5	2.0	5	9.0	14.5	5.0	20.0
MSS 58U - 24	24	38	40	33	39	3	6.5	40.0	26.5	13.5	2.0	5	9.0	14.5	5.0	19.8
MSS 58U - 25	25	39	41	34	40	3	6.5	40.0	27.0	13.0	2.0	5	9.0	14.0	5.0	19.5
MSS 58U - 28	28	42	44	37	43	3	6.5	42.5	30.0	12.5	2.0	5	9.0	13.5	7.5	19.0
MSS 58U - 30	30	44	46	39	45	3	6.5	42.5	30.5	12.0	2.0	5	9.0	13.0	7.5	18.5
MSS 58U - 32	32	46	48	42	48	3	6.5	42.5	30.5	12.0	2.0	5	9.0	13.0	7.5	18.5
MSS 58U - 33	33	47	49	42	48	3	6.5	42.5	30.5	12.0	2.0	5	9.0	13.0	6.5	18.5
MSS 58U - 35	35	49	51	44	50	3	6.5	42.5	30.5	12.0	2.0	5	9.0	13.0	6.5	18.5
MSS 58U - 38	38	54	58	49	56	4	6.5	45.0	32.0	13.0	2.0	6	9.0	14.0	8.0	19.5
MSS 58U - 40	40	56	60	51	58	4	6.5	45.0	32.0	13.0	2.0	6	9.0	14.0	8.0	19.5
MSS 58U - 43	43	59	63	54	61	4	6.5	45.0	32.0	13.0	2.0	6	9.0	14.0	8.0	19.5
MSS 58U - 45	45	61	65	56	63	4	6.5	45.0	32.0	13.0	2.0	6	9.0	14.0	8.0	19.5
MSS 58U - 48	48	64	68	59	66	4	6.5	45.0	32.0	13.0	2.0	6	9.0	14.0	5.5	19.5
MSS 58U - 50	50	66	70	62	70	4	6.5	47.5	34.0	13.5	2.5	6	9.0	14.5	6.5	20.0
MSS 58U - 53	53	69	73	65	73	4	6.5	47.5	34.0	13.5	2.5	6	9.0	14.5	5.5	20.0
MSS 58U - 55	55	71	75	67	75	4	6.5	47.5	34.0	13.5	2.5	6	9.0	14.5	5.5	20.0
MSS 58U - 58	58	78	83	70	78	4	6.5	52.5	39.0	13.5	2.5	6	9.0	14.5	7.5	20.0
MSS 58U - 60	60	80	85	72	80	4	6.5	52.5	39.0	13.5	2.5	6	9.0	14.5	7.5	20.0
MSS 58U - 63	63	83	88	75	83	4	6.5	52.5	39.0	13.5	2.5	6	9.0	14.5	7.5	20.0
MSS 58U - 65	65	85	90	77	85	4	6.5	52.5	39.0	13.5	2.5	6	9.0	14.2	7.5	20.0
MSS 58U - 68	68	88	93	81	90	4	6.5	52.5	39.0	13.5	2.5	7	9.0	14.2	7.5	20.0
MSS 58U - 70	70	90	95	83	92	4	6.5	60.0	45.5	14.5	2.5	7	9.0	15.2	7.5	21.0
MSS 58U - 75	75	95	104	88	97	4	6.5	60.0	45.5	14.5	2.5	7	9.0	15.2	7.8	21.0
MSS 58U - 80	80	104	109	95	105	4	9.5	60.0	45.0	15.0	3.0	7	9.0	15.7	7.8	21.5
MSS 58U - 85	85	109	114	100	110	4	9.5	60.0	45.0	15.0	3.0	7	9.0	15.7	7.8	21.5
MSS 58U - 90	90	114	119	105	115	4	9.5	65.0	50.0	15.0	3.0	7	9.0	15.7	7.8	21.5
MSS 58U - 95	95	119	124	110	120	4	9.5	65.0	50.0	15.0	3.0	7	9.0	15.7	7.8	21.5
MSS 58U - 100	100	124	129	115	125	4	9.5	65.0	50.0	15.0	3.0	7	9.0	15.7	7.8	21.5

MSS 59U

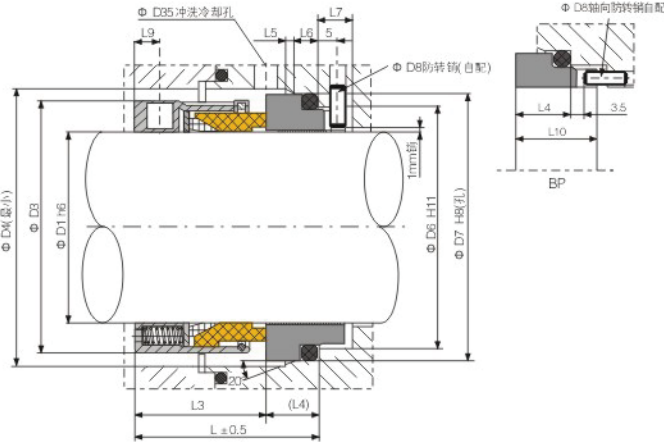
Operating conditions:

Temperature:-40℃~250℃
Pressure:≤1.7MPa
Speeds:≤25m/sec

Used in all types of rotating equipment, pumps, mixers, agitators and compressors. To suit industries such as general chemical, oil refining, petrochemical, pharmaceutical, food processing, pulp and paper, and wastewater treatment

Materials(to DIN24960):

Stationary ring (SiC/Inserted TC)
Rotary ring (Carbon/SiC/Inserted TC)
Secondary seal (PTFE)
Spring & Other parts (SUS304/SUS316)



MODEL	d1	d3	D4	D6	D7	d8	d35	L	L3	L4	L5	L6	L7	L9	L10
MSS 59U - 14	14	24	26	21	25	2	6.5	35.0	23.0	12.0	1.5	4	8.5	4.0	18.0
MSS 59U - 16	16	26	28	23	27	2	6.5	35.0	23.0	12.0	1.5	4	8.5	4.0	18.0
MSS 59U - 18	18	32	34	27	33	3	6.5	37.5	24.0	13.5	2.0	5	9.0	5.0	20.0
MSS 59U - 20	20	34	36	29	35	3	6.5	37.5	24.0	13.5	2.0	5	9.0	5.0	20.0
MSS 59U - 22	22	36	38	31	37	3	6.5	37.5	24.0	13.5	2.0	5	9.0	5.0	20.0
MSS 59U - 24	24	38	40	33	39	3	6.5	40.0	26.5	13.5	2.0	5	9.0	5.0	19.8
MSS 59U - 25	25	39	41	34	40	3	6.5	40.0	27.0	13.0	2.0	5	9.0	5.0	19.5
MSS 59U - 28	28	42	44	37	43	3	6.5	42.5	30.0	12.5	2.0	5	9.0	7.5	19.0
MSS 59U - 30	30	44	46	39	45	3	6.5	42.5	30.5	12.0	2.0	5	9.0	7.5	18.5
MSS 59U - 32	32	46	48	42	48	3	6.5	42.5	30.5	12.0	2.0	5	9.0	7.5	18.5
MSS 59U - 33	33	47	49	42	48	3	6.5	42.5	30.5	12.0	2.0	5	9.0	6.5	18.5
MSS 59U - 35	35	49	51	44	50	3	6.5	42.5	30.5	12.0	2.0	5	9.0	6.5	18.5
MSS 59U - 38	38	54	58	49	56	4	6.5	45.0	32.0	13.0	2.0	6	9.0	8.0	19.5
MSS 59U - 40	40	56	60	51	58	4	6.5	45.0	32.0	13.0	2.0	6	9.0	8.0	19.5
MSS 59U - 43	43	59	63	54	61	4	6.5	45.0	32.0	13.0	2.0	6	9.0	8.0	19.5
MSS 59U - 45	45	61	65	56	63	4	6.5	45.0	32.0	13.0	2.0	6	9.0	8.0	19.5
MSS 59U - 48	48	64	68	59	66	4	6.5	45.0	32.0	13.0	2.0	6	9.0	5.5	19.5
MSS 59U - 50	50	66	70	62	70	4	6.5	47.5	34.0	13.5	2.5	6	9.0	6.5	20.0
MSS 59U - 53	53	69	73	65	73	4	6.5	47.5	34.0	13.5	2.5	6	9.0	5.5	20.0
MSS 59U - 55	55	71	75	67	75	4	6.5	47.5	34.0	13.5	2.5	6	9.0	5.5	20.0
MSS 59U - 58	58	78	83	70	78	4	6.5	52.5	39.0	13.5	2.5	6	9.0	7.5	20.0
MSS 59U - 60	60	80	85	72	80	4	6.5	52.5	39.0	13.5	2.5	6	9.0	7.5	20.0
MSS 59U - 63	63	83	88	75	83	4	6.5	52.5	39.0	13.5	2.5	6	9.0	7.5	20.0
MSS 59U - 65	65	85	90	77	85	4	6.5	52.5	39.0	13.5	2.5	6	9.0	7.5	20.0
MSS 59U - 68	68	88	93	81	90	4	6.5	52.5	39.0	13.5	2.5	7	9.0	7.5	20.0
MSS 59U - 70	70	90	95	83	92	4	6.5	60.0	45.5	14.5	2.5	7	9.0	7.5	21.0
MSS 59U - 75	75	95	104	88	97	4	6.5	60.0	45.5	14.5	2.5	7	9.0	7.8	21.0
MSS 59U - 80	80	104	109	95	105	4	9.5	60.0	45.0	15.0	3.0	7	9.0	7.8	21.5
MSS 59U - 85	85	109	114	100	110	4	9.5	60.0	45.0	15.0	3.0	7	9.0	7.8	21.5
MSS 59U - 90	90	114	119	105	115	4	9.5	65.0	50.0	15.0	3.0	7	9.0	7.8	21.5
MSS 59U - 95	95	119	124	110	120	4	9.5	65.0	50.0	15.0	3.0	7	9.0	7.8	21.5
MSS 59U - 100	100	124	129	115	125	4	9.5	65.0	50.0	15.0	3.0	7	9.0	7.8	21.5

MSS 58B

Operating conditions:

Temperature:-40℃~150℃
Pressure:≤6.2MPa
Speed:≤25m/sec

Applications:Used in all types of rotating equipment, pumps, mixers, agitators and compressors, To suit industries such as general chemical. oil refining,petrochemical, pharmaceutical, food processing, pulp and paper, and wastewater treatment

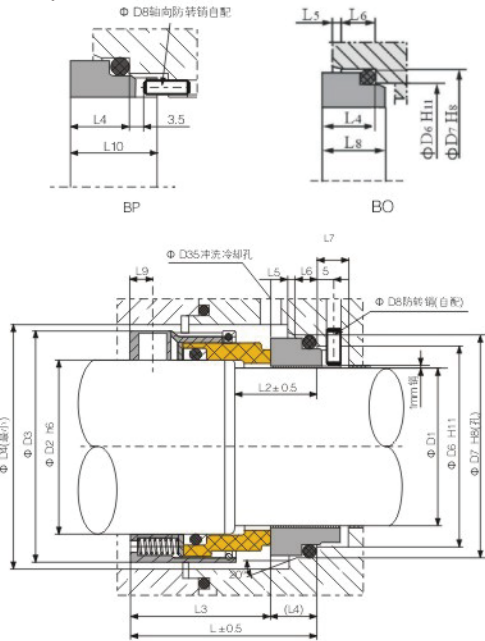
Materials:

Stationary ring (SiC/Inserted TC)
Rotary ring (Carbon/SiC/Inserted TC)
Secondary seal(NBR/EPDM/VITON)
Spring & Other parts(SUS304/SUS316)



Design features:

By adopting inner installation, inside current, single seal face, multi-spring, am rotation direction and balanced structure.
Complies with the standard GB 6556, ISO 3069 and DIN 24960
The shape and installation size is identical to 59B.



MSS 59B

Operating conditions:

Temperature:-40℃~250℃
Pressure:≤6.2MPa
Speed:≤25m/sec

Applications: Used in all types of rotating equipment, pumps, mixers agitators and compressors. To suit industries such as general chemical, oil refining,petrochemical, pharmaceutical. food processing,pulp and paper, and waste water treatment.

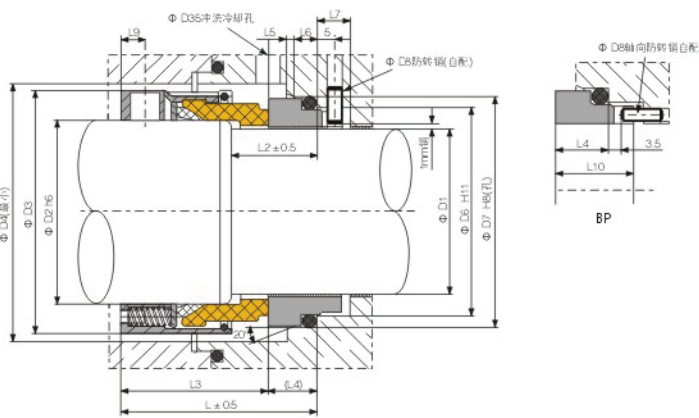
Materials:

Stationary ring (SiC/Inserted TC)
Rotary ring (Carbon/SiC/Inserted TC)
Secondary seal (PTFE)
Spring & Other parts (SUS304/SUS316)



Design features:

By adopting inner installation, inside current, single seal face, multi-spring,any rotation direction and balanced structure.
Complies with the standard GB 6556, ISO 3069 and DIN 24960.
The shape and installation size is identical to 58B.
PTFE or flexible graphite wedge used as a secondary seal for use in corrosive fluids and high temperature applications.



MODEL	D1	D2	D3	D4	D6	D7	D8	D35	L	L2	L3	L4	L5	L6	L7	L8	L9	L10
MSS 58B - 14	14	18	32	34	21	25	3	6.5	42.5	18	30.5	12.0	1.5	4.0	8.5	12.5	5.0	18.0
MSS 58B - 16	16	20	34	36	23	27	3	6.5	42.5	18	30.5	12.0	1.5	4.0	8.5	12.5	5.0	18.0
MSS 58B - 18	18	22	36	38	27	33	3	6.5	45.0	18	31.5	13.0	1.5	4.0	8.5	14.5	5.0	18.0
MSS 58B - 20	20	24	38	40	29	35	3	6.5	45.0	20	31.5	13.5	2.0	5.0	9.0	14.5	5.0	20.0
MSS 58B - 22	22	26	40	42	31	37	3	6.5	45.0	20	31.5	13.5	2.0	5.0	9.0	14.5	5.0	20.0
MSS 58B - 24	24	28	42	44	33	39	3	6.5	47.5	20	34.2	13.3	2.0	5.0	9.0	14.5	5.0	19.8
MSS 58B - 25	25	30	44	46	34	40	3	6.5	47.5	20	34.5	13.0	2.0	5.0	9.0	14.0	7.5	19.5
MSS 58B - 28	28	33	47	49	37	43	3	6.5	50.0	20	37.5	12.5	2.0	5.0	9.0	13.5	7.5	19.0
MSS 58B - 30	30	35	49	51	39	45	3	6.5	50.0	20	38.0	12.0	2.0	5.0	9.0	13.0	6.5	18.5
MSS 58B - 32	32	38	54	58	42	48	3	6.5	50.0	20	38.0	12.0	2.0	5.0	9.0	13.0	6.5	18.5
MSS 58B - 33	33	38	54	58	42	48	3	6.5	50.0	20	38.0	12.0	2.0	5.0	9.0	13.0	6.5	18.5
MSS 58B - 35	35	40	56	60	44	50	3	6.5	50.0	20	38.0	12.0	2.0	5.0	9.0	13.0	8.0	18.5
MSS 58B - 38	38	43	59	63	49	56	4	6.5	52.5	23	39.5	13.0	2.0	6.0	9.0	14.0	8.0	19.5
MSS 58B - 40	40	45	61	65	51	58	4	6.5	52.5	23	39.5	13.0	2.0	6.0	9.0	14.0	8.0	19.5
MSS 58B - 43	43	48	64	68	54	61	4	6.5	52.5	23	39.5	13.0	2.0	6.0	9.0	14.0	5.5	19.5
MSS 58B - 45	45	50	66	70	56	63	4	6.5	52.5	23	39.5	13.0	2.0	6.0	9.0	14.0	6.5	19.5
MSS 58B - 48	48	53	69	73	59	66	4	6.5	52.5	23	39.5	13.0	2.0	6.0	9.0	14.0	6.5	19.5
MSS 58B - 50	50	55	71	75	62	70	4	6.5	57.5	25	44.0	13.5	2.5	6.0	9.0	14.5	5.5	20.0
MSS 58B - 53	53	58	78	83	65	73	4	6.5	57.5	25	44.0	13.5	2.5	6.0	9.0	14.5	7.5	20.0
MSS 58B - 55	55	60	80	85	67	75	4	6.5	57.5	25	44.0	13.5	2.5	6.0	9.0	14.5	7.5	20.0
MSS 58B - 58	58	63	83	88	70	78	4	6.5	62.5	25	49.0	13.5	2.5	6.0	9.0	14.5	7.5	20.0
MSS 58B - 60	60	65	85	90	72	80	4	6.5	62.5	25	49.0	13.5	2.5	6.0	9.0	14.5	7.5	20.0
MSS 58B - 63	63	68	88	93	75	83	4	6.5	62.5	25	49.0	13.5	2.5	6.0	9.0	14.5	7.5	20.0
MSS 58B - 65	65	70	90	95	77	85	4	6.5	62.5	25	49.0	13.5	2.5	6.0	9.0	14.2	7.5	20.0
MSS 58B - 70	70	75	95	104	83	92	4	6.5	70.0	28	55.5	14.5	2.5	7.0	9.0	15.2	7.8	21.0
MSS 58B - 75	75	80	104	109	88	97	4	6.5	70.0	28	55.5	14.5	2.5	7.0	9.0	15.2	7.8	21.5
MSS 58B - 80	80	85	109	114	95	105	4	9.5	70.0	28	56.0	15.0	3.0	7.0	9.0	15.7	7.8	21.5
MSS 58B - 85	85	90	114	119	100	110	4	9.5	75.0	28	60.0	15.0	3.0	7.0	9.0	15.7	7.8	21.5
MSS 58B - 90	90	95	119	124	105	115	4	9.5	75.0	28	60.0	15.0	3.0	7.0	9.0	15.7	7.8	21.5
MSS 58B - 95	95	100	124	129	110	120	4	9.5	75.0	28	60.0	15.0	3.0	7.0	9.0	15.7	7.8	21.5
MSS 58B - 100	100	105	129	134	115	125	4	9.5	75.0	28	60.0	15.0	3.0	7.0	9.0	15.7	7.8	21.5

MODEL	D1	D2	D3	D4	D6	D7	D8	D35	L	L2	L3	L4	L5	L6	L7	L9	L10
MSS 59B - 14	14	18	32	34	21	25	3	6.5	42.5	18	30.5	12.0	1.5	4.0	8.5	5.0	18.0
MSS 59B - 16	16	20	34	36	23	27	3	6.5	42.5	18	30.5	12.0	1.5	4.0	8.5	5.0	18.0
MSS 59B - 18	18	22	36	38	27	33	3	6.5	45.0	20	31.5	13.5	2.0	5.0	9.0	5.0	20.0
MSS 59B - 20	20	24	38	40	29	35	3	6.5	45.0	20	31.5	13.5	2.0	5.0	9.0	5.0	20.0
MSS 59B - 22	22	26	40	42	31	37	3	6.5	45.0	20	31.5	13.5	2.0	5.0	9.0	5.0	20.0
MSS 59B - 24	24	28	42	44	33	39	3	6.5	47.5	20	34.2	13.3	2.0	5.0	9.0	7.5	19.8
MSS 59B - 25	25	30	44	46	34	40	3	6.5	47.5	20	34.5	13.0	2.0	5.0	9.0	7.5	19.5
MSS 59B - 28	28	33	47	49	37	43	3	6.5	50.0	20	37.5	12.5	2.0	5.0	9.0	6.5	19.0
MSS 59B - 30	30	35	49	51	39	45	3	6.5	50.0	20	38.0	12.0	2.0	5.0	9.0	6.5	18.5
MSS 59B - 32	32	38	54	58	42	48	3	6.5	50.0	20	38.0	12.0	2.0	5.0	9.0	8.0	18.5
MSS 59B - 33	33	38	54	58	42	48	3	6.5	50.0	20	38.0	12.0	2.0	5.0	9.0	8.0	18.5
MSS 59B - 35	35	40	56	60	44	50	3	6.5	50.0	20	38.0	12.0	2.0	5.0	9.0	8.0	18.5
MSS 59B - 38	38	43	59	63	49	56	4	6.5	52.5	23	39.5	13.0	2.0	6.0	9.0	8.0	19.5
MSS 59B - 40	40	45	61	65	51	58	4	6.5	52.5	23	39.5	13.0	2.0	6.0	9.0	8.0	19.5
MSS 59B - 43	43	48	64	68	54	61	4	6.5	52.5	23	39.5	13.0	2.0	6.0	9.0	5.5	19.5
MSS 59B - 45	45	50	66	70	56	63	4	6.5	52.5	23	39.5	13.0	2.0	6.0	9.0	6.5	19.5
MSS 59B - 48	48	53	69	73	59	66	4	6.5	52.5	23	39.5	13.0	2.0	6.0	9.0	6.5	19.5
MSS 59B - 50	50	55	71	75	62	70	4	6.5	57.5	25	44.0	13.5	2.5	6.0	9.0	6.5	20.0
MSS 59B - 53	53	58	78	83	65	73	4	6.5	57.5	25	44.0	13.5	2.5	6.0	9.0	7.5	20.0
MSS 59B - 55	55	60	80	85	67	75	4	6.5	57.5	25	44.0	13.5	2.5	6.0	9.0	7.5	20.0
MSS 59B - 58	58	63	83	88	70	78	4	6.5	62.5	25	49.0	13.5	2.5	6.0	9.0	7.5	20.0
MSS 59B - 60	60	65	85	90	72	80	4	6.5	62.5	25	49.0	13.5	2.5	6.0	9.0	7.5	20.0
MSS 59B - 63	63	68	88	93	75	83	4	6.5	62.5	25	49.0	13.5	2.5	6.0	9.0	7.5	20.0
MSS 59B - 65	65	70	90	95	77	85	4	6.5	62.5	25	49.0	13.5	2.5	6.0	9.0	7.5	20.0
MSS 59B - 70	70	75	95	104	83	92	4	6.5	70.0	28	55.5	14.5	2.5	7.0	9.0	7.8	21.0
MSS 59B - 75	75	80	104	109	88	97	4	6.5	70.0	28	55.5	14.5	2.5	7.0	9.0	7.8	21.0
MSS 59B - 80	80	85	109	114	95	105	4	9.5	70.0	28	55.0	15.0	3.0	7.0	9.0	7.8	21.5
MSS 59B - 85	85	90	114	119	100	110	4	9.5	75.0	28	60.0	15.0	3.0	7.0	9.0	7.8	21.5
MSS 59B - 90	90	95	119	124	105	115	4	9.5	75.0	28	60.0	15.0	3.0	7.0	9.0	7.8	21.5
MSS 59B - 95	95	100	124	129	110	120	4	9.5	75.0	28	60.0	15.0	3.0	7.0	9.0	7.8	21.5
MSS 59B - 100	100	105	129	134	115	125	4	9.5	75.0	28	60.0	15.0	3.0	7.0	9.0	7.8	21.5

MSS HJ92N

Operating conditions:

Temperature:-40℃~150℃
Pressure:≤2.5MPa
Speeds:≤13m/sec

Applications: Used in different pumps, mixers and other rotating equipments,the products are widely used in various centrifugal pumps, chemical pumps and various anticorrosive pumps.

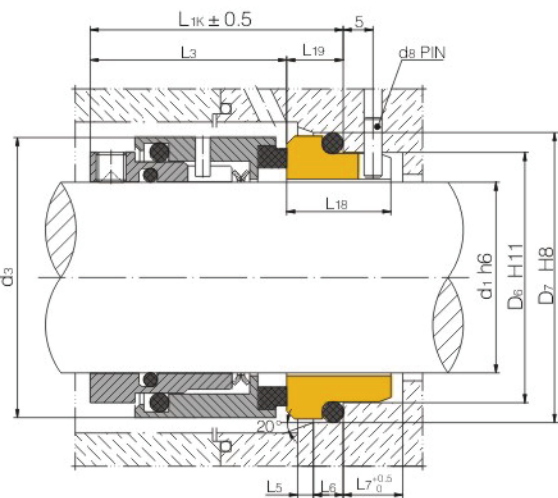
Materials:

Rotary ring (Inserted carbon/Inserted SiC/InsertedTC)
Stationary ring (SiC/Inserted TC)
Secondary seal (NBR/EPDM/VITON)
Spring & Other parts (SUS304/SUS316)



Design features:

By adopting inner installation, inside current, single seal face, with Super-Sinus spring, any rotation direction, balanced structure, spring no-touch to media has a stronger anti-blocking condition. Complies with the standard GB 6556, ISO 3069 and DIN 24960.



MODEL	d1	d3	D6	D7	d8	L1K	L3	L5	L6	L7	L18	L19
MSS HJ92N - 18	18	32	27	33	3	37.5	30.5	2.0	5	9.0	15.0	7.0
MSS HJ92N - 20	20	34	29	35	3	37.5	30.5	2.0	5	9.0	15.0	7.0
MSS HJ92N - 22	22	36	31	37	3	37.5	30.5	2.0	5	9.0	15.0	7.0
MSS HJ92N - 24	24	38	33	39	3	40.0	33.0	2.0	5	9.0	15.0	7.0
MSS HJ92N - 25	25	39	34	40	3	40.0	33.0	2.0	5	9.0	15.0	7.0
MSS HJ92N - 28	28	42	37	43	3	42.5	35.5	2.0	5	9.0	15.0	7.0
MSS HJ92N - 30	30	44	39	45	3	42.5	35.5	2.0	5	9.0	15.0	7.0
MSS HJ92N - 32	32	47	42	48	3	42.5	35.5	2.0	5	9.0	15.0	7.0
MSS HJ92N - 33	33	47	42	48	3	42.5	35.5	2.0	5	9.0	15.0	7.0
MSS HJ92N - 35	35	49	44	50	3	42.5	35.5	2.0	5	9.0	15.0	7.0
MSS HJ92N - 38	38	54	49	56	4	45.0	37.0	2.0	6	9.0	16.0	8.0
MSS HJ92N - 40	40	56	51	58	4	45.0	37.0	2.0	6	9.0	16.0	8.0
MSS HJ92N - 43	43	59	54	61	4	45.0	37.0	2.0	6	9.0	16.0	8.0
MSS HJ92N - 45	45	61	56	63	4	45.0	37.0	2.0	6	9.0	16.0	8.0
MSS HJ92N - 48	48	64	59	66	4	45.0	37.0	2.0	6	9.0	16.0	8.0
MSS HJ92N - 50	50	66	62	70	4	47.5	38.0	2.5	6	9.0	17.0	9.5
MSS HJ92N - 53	53	69	65	73	4	47.5	38.0	2.5	6	9.0	17.0	9.5
MSS HJ92N - 55	55	71	67	75	4	47.5	38.0	2.5	6	9.0	17.0	9.5
MSS HJ92N - 58	58	78	70	78	4	52.5	42.0	2.5	6	9.0	18.0	10.5
MSS HJ92N - 60	60	80	72	80	4	52.5	42.0	2.5	6	9.0	18.0	10.5
MSS HJ92N - 63	63	83	75	83	4	52.5	42.0	2.5	6	9.0	18.0	10.5
MSS HJ92N - 65	65	85	77	85	4	52.5	42.0	2.5	6	9.0	18.0	10.5
MSS HJ92N - 68	68	88	81	90	4	52.5	41.5	2.5	7	9.0	18.5	11.0
MSS HJ92N - 70	70	90	83	92	4	60.0	48.5	2.5	7	9.0	19.0	11.5
MSS HJ92N - 75	75	99	88	97	4	60.0	48.5	2.5	7	9.0	19.0	11.5
MSS HJ92N - 80	80	104	95	105	4	60.0	48.5	3.0	7	9.0	19.0	11.5
MSS HJ92N - 85	85	109	100	110	4	60.0	48.5	3.0	7	9.0	19.0	11.5
MSS HJ92N - 90	90	114	105	115	4	65.0	52.0	3.0	7	9.0	20.5	13.0
MSS HJ92N - 95	95	119	110	120	4	65.0	52.0	3.0	7	9.0	20.5	13.0
MSS HJ92N - 100	100	124	115	125	4	65.0	52.0	3.0	7	9.0	20.5	13.0

MSS US3 / UM3

Operating conditions:

Temperature:-40℃~150℃
Pressure:≤1.6MPa
Speeds:≤13m/sec

Applications:Used in different pumps, mixers and other rotating equipments the products are widely used in various centrifugal pumps, chemical pumps and vanous anticorrosive pumps.

Materials:

Stationary ring (Carbon/SiC/Inserted TC)
Rotary ring (Carbon/SiC/Inserted TC)
Secondary sea(NBR/EPDM/VITON)
Spring & Other parts(SUS304/SUS316)



MODEL	d1	d3	D4	D6	D7	d8	L1k	L3	L4	L5	L6	L7	L8	L10	L11
18	18	32	34	27	33	3	37.5	27.5	10.0	2.0	5	9	4.5	11.5	16.5
20	20	34	36	29	35	3	37.5	27.5	10.0	2.0	5	9	4.5	11.5	16.5
22	22	36	38	31	37	3	37.5	27.5	10.0	2.0	5	9	4.5	11.5	16.5
24	24	38	40	33	39	3	40.0	30.0	10.0	2.0	5	9	4.5	11.5	16.5
25	25	39	41	34	40	3	40.0	30.0	10.0	2.0	5	9	4.5	11.5	16.5
28	28	42	44	37	43	3	42.5	32.5	10.0	2.0	5	9	4.5	11.5	16.5
30	30	44	46	39	45	3	42.5	32.5	10.0	2.0	5	9	4.5	11.5	16.5
32	32	46	48	42	48	3	42.5	32.5	10.0	2.0	5	9	4.5	11.5	16.5
33	33	47	49	42	48	3	42.5	32.5	10.0	2.0	5	9	4.5	11.5	16.5
35	35	49	51	44	50	3	42.5	32.5	10.0	2.0	5	9	4.5	11.5	16.5
38	38	54	58	49	56	4	45.0	34.0	11.0	2.0	6	9	5.0	13.0	17.5
40	40	56	60	51	58	4	45.0	34.0	11.0	2.0	6	9	5.0	13.0	17.5
43	43	59	63	54	61	4	45.0	34.0	11.0	2.0	6	9	5.0	13.0	17.5
45	45	61	65	56	63	4	45.0	34.0	11.0	2.0	6	9	5.0	13.0	17.5
48	48	64	68	59	66	4	45.0	34.0	11.0	2.0	6	9	5.0	13.0	17.5
50	50	66	70	62	70	4	47.5	34.5	13.0	2.5	6	9	5.0	15.0	19.5
53	53	69	73	65	73	4	47.5	34.5	13.0	2.5	6	9	5.0	15.0	19.5
55	55	71	75	67	75	4	47.5	34.5	13.0	2.5	6	9	5.0	15.0	19.5
58	58	78	83	70	78	4	52.5	39.5	13.0	2.5	6	9	5.0	15.0	19.5
60	60	80	85	72	80	4	52.5	39.5	13.0	2.5	6	9	5.0	15.0	19.5
63	63	83	88	75	83	4	52.5	39.5	13.0	2.5	6	9	5.0	15.0	19.5
65	65	85	90	77	85	4	52.5	39.5	13.0	2.5	6	9	5.0	15.0	19.5
68	68	88	93	81	90	4	52.5	37.5	15.0	2.5	7	9	5.0	17.0	21.5
70	70	90	95	83	92	4	60.0	45.0	15.0	2.5	7	9	5.0	17.0	21.5
75	75	95	104	88	97	4	60.0	45.0	15.0	2.5	7	9	5.0	17.0	21.5
80	80	104	109	95	105	4	60.0	44.5	15.5	3.0	7	9	5.0	17.5	22.0
85	85	109	114	100	110	4	60.0	44.5	15.5	3.0	7	9	5.0	17.5	22.0
90	90	114	119	105	115	4	65.0	49.5	15.5	3.0	7	9	5.0	17.5	22.0
95	95	119	124	110	120	4	65.0	49.5	15.5	3.0	7	9	5.0	17.5	22.0
100	100	124	129	115	125	4	65.0	49.5	15.5	3.0	7	9	5.0	17.5	22.0

MSS 2119

Operating conditions:

Temperature:-40℃~150℃
Pressure:≤1.6MPa
Speeds:≤15m/sec

Applications: Apply to all kinds of clear water pumps, sewage pumps,submerged pumps, chemical pumps, etc rotating machinery. Medium for water,sewage, solid particles generally weak corrosive liquid.

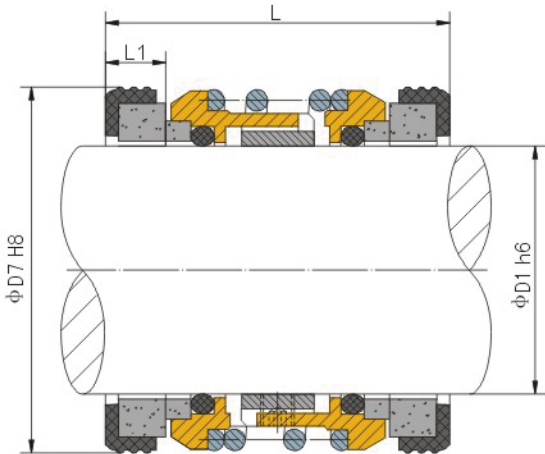
Materials:

Stationary ring (Carbon/SiC/TC)
Rotary ring (Inserted SiC/Inserted TC)
Secondary seal (NBR/EPDM/VITON)
Spring & Other parts (SUS304/SUS316)



Design features:

Double seal face, single spring, unbalanced structure and driven by set screw, any rotation direction, it can be mounted conveniently.



MODEL	D1	D7	L	L1
MSS 2119 - 16	16	29/30	38	5
MSS 2119 - 17	17	35	38	5
MSS 2119 - 20	20	35/36	40	5
MSS 2119 - 22	22	39/38	40	5
MSS 2119 - 25	25	40/41	48	7.5
MSS 2119 - 30	30	45	48/51	7.5
MSS 2119 - 35	35	50	51	7.5
MSS 2119 - 40	40	58	58/60/61	9
MSS 2119 - 45	45	63	58/61	9.5
MSS 2119 - 50	50	70	60/68	9.5
MSS 2119 - 55	55	75	60/71	10.5
MSS 2119 - 60	60	80	66/85	10.5
MSS 2119 - 65	65	85	77	11
MSS 2119 - 70	70	92	77	11
MSS 2119 - 75	75	97	77/85	11
MSS 2119 - 80	80	105	85	11
MSS 2119 - 85	85	110	87.5/90	14
MSS 2119 - 90	90	115	89	14
MSS 2119 - 95	95	120	89	14
MSS 2119 - 100	100	125	89/95	14

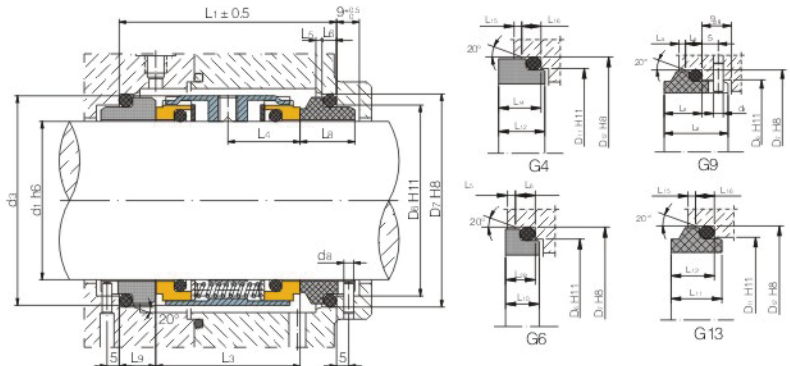
MSS 74D/M74D

Operating conditions:

Temperature:-40℃~150℃
Pressure:≤1.6MPa
Speeds:≤20m/sec

Materials:

Stationary ring (Carbon/SiC/inserted TC)
Rotary ring (SiC/Inserted TC)
Secondary seal (NBR/EPDM/VITON)
Spring 8 Other parts (SUS304/SUS318)



Design features:

Double seal faces, multi-spring, unbalanced structure and driven by brace ear and claw transmission, any rotation direction, it can be mounted conveniently. Complies with the standard GB 6556, ISO 3069 and DIN 24960. Style "G4", "G6", "G13", "G9 seat ring can be used as mating ring of this rotary unit.

MODEL	d1	d3	D6	D7	D8	D11	D12	L1	L3	L4	L5	L6	L8	L9	L10	L11	L12	L13	L14	L15	L16	L28
MSS 74D - 60 Static ring	60	80	-	80	-	-	-	65	45	22.5	2	6	-	10	-	-	-	-	-	-	-	-
MSS 74D - 65	65	87	77	85	4	-	-	77	50	25	2	6	20	13.5	-	-	-	-	-	-	-	-
MSS 74D - 70	70	91	83	92	4	-	-	65	55	27.5	2.5	6	19	15	-	-	-	-	-	-	-	-
MSS 74D - 70T	70	91	88	92	4	-	-	77	47	27.5	2.5	6	19	15	-	-	-	-	-	-	-	-
MSS 74D - 85	85	109	100	110	4	-	-	82(75)	62(55)	29	2.5	6	22	16	-	-	-	-	-	-	-	-
MSS 74D - 100	100	124	115	125	4	-	-	95	61	30.5	2.5	6	23	17	-	-	-	-	-	-	-	-
MSS M74D - 18	18	33	270	330	3	240	30.0	610	380	19.0	2.0	5	19.5	11.5	8.5	125	9.0	100	8.0	15	5.0	7.5
MSS M74D - 20	20	35	290	350	3	295	35.0	610	380	19.0	2.0	5	19.5	11.5	8.5	125	8.5	95	7.5	15	5.0	7.5
MSS M74D - 22	22	37	310	370	3	295	35.0	610	380	19.0	2.0	5	19.5	11.5	8.5	125	8.5	95	7.5	15	5.0	7.5
MSS M74D - 24	24	39	330	390	3	320	38.0	610	380	19.0	2.0	5	19.5	11.5	8.5	125	8.5	95	7.5	15	5.0	7.5
MSS M74D - 25	25	40	340	400	3	320	38.0	610	380	19.0	2.0	5	19.5	11.5	8.5	125	8.5	95	7.5	15	5.0	7.5
MSS M74D - 28	28	43	370	430	3	360	42.0	620	390	19.5	2.0	5	19.5	11.5	8.5	140	100	110	9.0	15	5.0	7.5
MSS M74D - 30	30	45	390	450	3	392	45.0	620	390	19.5	2.0	5	19.5	11.5	8.5	140	115	110	10.5	15	5.0	7.5
MSS M74D - 32	32	47	420	480	3	422	48.0	620	390	19.5	2.0	5	19.5	11.5	8.5	140	115	110	10.5	15	5.0	7.5
MSS M74D - 33	33	48	420	480	3	442	50.0	620	390	19.5	2.0	5	19.5	11.5	8.5	145	120	115	10.5	15	5.0	7.5
MSS M74D - 35	35	50	440	500	3	462	52.0	620	390	19.5	2.0	5	19.5	11.5	8.5	145	120	115	11.0	15	5.0	7.5
MSS M74D - 38	38	55	490	560	4	492	55.0	690	410	20.5	2.0	6	22.0	14.0	100	145	118	115	10.3	15	5.0	9.0
MSS M74D - 40	40	57	510	580	4	523	58.0	70.0	420	21.0	2.0	6	22.0	14.0	100	145	113	115	10.8	15	5.0	9.0
MSS M74D - 43	43	60	540	610	4	533	62.0	70.0	420	21.0	2.0	6	22.0	14.0	100	170	128	143	12.0	20	6.0	9.0
MSS M74D - 45	45	62	560	630	4	593	64.0	70.0	420	21.0	2.0	6	22.0	14.0	100	170	128	143	11.8	20	6.0	9.0
MSS M74D - 48	48	65	590	680	4	597	68.4	70.0	420	21.0	2.0	6	22.0	14.0	100	170	128	143	11.6	20	6.0	9.0
MSS M74D - 50	50	67	620	730	4	608	69.3	73.0	430	21.5	2.5	6	23.0	15.0	105	170	128	143	11.6	20	6.0	9.5
MSS M74D - 53	53	70	650	730	4	638	72.3	73.0	430	21.5	2.5	6	23.0	15.0	120	170	135	143	12.3	20	6.0	110
MSS M74D - 55	55	72	670	750	4	665	75.4	73.0	430	21.5	2.5	6	23.0	15.0	120	180	145	153	13.3	20	6.0	110
MSS M74D - 58	58	79	700	780	4	695	78.4	86.0	560	28.0	2.5	6	23.0	15.0	120	180	145	153	13.3	20	6.0	110
MSS M74D - 60	60	81	720	800	4	715	80.4	86.0	560	28.0	2.5	6	23.0	15.0	120	180	145	153	13.3	20	6.0	110
MSS M74D - 63	63	84	750	830	4	745	83.4	85.0	550	27.5	2.5	6	23.0	15.0	120	180	142	153	13.3	20	6.0	110
MSS M74D - 65	65	86	770	850	4	765	85.4	91.0	550	27.5	2.5	6	23.0	15.0	120	180	142	153	13.3	20	6.0	110
MSS M74D - 68	68	89	810	90.0	4	827	91.5	91.0	550	27.5	2.5	7	26.0	18.0	125	190	149	160	13.7	20	6.0	113
MSS M74D - 70	70	91	830	920	4	830	92.0	92.0	560	28.0	2.5	7	26.0	18.0	125	180	142	153	13.0	20	6.0	113
MSS M74D - 75	75	99	985.0	1070	4	905.2	104.0	92.0	560	28.0	2.5	7	26.0	18.0	125	180	16.2	16.3	14.0	2.0	6.0	113
MSS M74D - 80	80	104	1050.0	1105	4	1002	109.0	92.5	560	28.0	3.0	7	26.2	18.2	130	190	16.2	16.3	15.0	2.0	6.0	120
MSS M74D - 85	85	109	1010.0	1100	4	1002	109.0	92.5	560	28.0	3.0	7	26.2	18.2	150	190	16.0	16.3	14.8	2.0	6.0	140
MSS M74D - 90	90	114	106.0	1150	4	105.2	114.0	92.5	560	28.0	3.0	7	26.2	18.2	150	190	16.0	16.3	14.9	2.0	6.0	140
MSS M74D - 95	95	119	1105.0	1200	4	111.6	120.3	90.5	560	28.0	3.0	7	26.3	17.2	150	20.0	17.0	17.3	15.8	2.0	6.0	140
MSS M74D - 100	100	124	116.0	1250	4	114.5	123.3	90.5	560	28.0	3.0	7	25.2	17.2	150	20.0	17.0	17.3	15.8	2.0	6.0	140

MSS 120₍₁₀₄₎/120₍₁₀₉₎

Operating conditions:

Temperature:-40℃~200℃
Pressure: ≤1MPa
Speeds:≤15m/sec

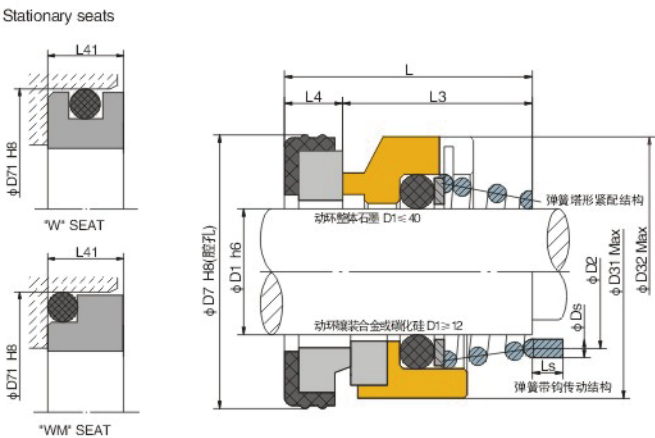
Applications: Used in different pumps, mixers and other rotating equipments, the products are widely used in various centrifugal pumps,chemical pumps and various anticorrosive pumps



MSS 120₍₁₀₄₎Installation dimension drawing
MSS 120₍₁₀₉₎Installation dimension drawing

Materials:

Rotary ring (Carbon/inserted SiC/Inserted TC)
Stationary ring (SiC/Inserted TC/TC)
Secondary seal (NBR/EPDM/VITON/PTFE)
Spring & Other parts (SUS304/SUS316)



MODEL	D1	D32	D31	D7	MSS 120 ₍₁₀₄₎ Mounting height			MSS 120 ₍₁₀₉₎ Mounting height			Ds	Ls	D2	D71	L41
					L	L3	L4	L	L3	L4					
-8	8	18	-	21	19	13.5	5.5	-	-	-	1	3	9	-	-
-9	9	20	-	21/22	20	15	5	-	-	-	1	3	10	-	-
-10	10	20	-	22	20/21	15/16	5	21.1	14.5	6.6	1.1	3	11.1	19	8
-12	12	25.5	22.5	23/24/26	20/24/25	15/19/20	5	21.6	15	6.6	1.2	4.5	13.2	25.4	8
-12B	12	23	22.5	23/24/26	22	17	5	-	-	-	1.2	4.5	13.2	21.5	7
-14	14	27.5	25	25/26/28/30	22/24/25	17/19/20	5	23.6	17	6.6	1.4	4.5	15.4	30	8.5
-15	15	29	25	28/30	25	20	5	23.6	17	6.6	1.4	4.5	16.4	-	-
-16	16	30	26	28/30	25	19/20	5/6	23.6	17	6.6	1.5	4.5	17.5	31.8	10.3
-16S	16	27	26	28/30	25	19/20	5/6	-	-	-	1.5	4.5	17.5	28	8.5
-17	17	31	29.5	33/34/35	25	20	5	27	19.5	7.5	1.8	4.5	18.8	-	-
-18	18	32	30.5	33/34/35	25	20	5	27	19.5	7.5	1.8	4.5	19.8	35	8.5
-19	19	36	33	35/36	25/26.5	20/21.5	5	29	21.5	7.5	1.8	4.5	20.8	35	8.5
-20	20	36	34	35/36	25	17.5/20	5/7.5	29	21.5	7.5	2	4.5	22	35/36	8.5
-22	22	36	36	37/38	28	21.5	7.5	29	21.5	7.5	2.2	4.5	24.2	35	8.5
-24	24	38	38	40/41	28/32/37	20/24/29	8	30	22.5	7.5	2.5	4.5	26.5	40/41	11
-25	25	41.5	39	40/41	34/37	26/29	8	30.5	23	7.5	2.5	4.5	27.5	40/41	11
-30	30	47	44	45/46	35/37	27.5/29.5	7.5	34	26.5	7.5	2.5	5	32.5	45	11
-32	32	50	46	48	35	27.5	7.5	35	27.5	7.5	2.5	5	34.5	50.8	12.5
-35	35	53	49	50/51	37	29.5	7.5	36	28.5	7.5	3.5	6	38.5	50.8	12.5
-40	40	58	56	58/60	40	31	9	39	30	9	3.5	6	43.5	60	12.5
-45	45	-	61	65	40	31	9	39	30	9	3.5	6	48.5	65	12.5
-50	50	-	66	70	45	35.5	9.5	40	30.5	9.5	4	8	54	70	13.5
-55	55	-	71	75	45	34	11	46	35	11	4	8	59	75	13.5

MSS 4U

Operating conditions:

Temperature:-40℃~200℃
Pressure: ≤1MPa
Speeds:≤13m/sec

Applications: Used in different pumps, mixers and other rotating equipments, the products are widely used in various centrifugal pumps,chemical pumps and various anticorrosive pumps.

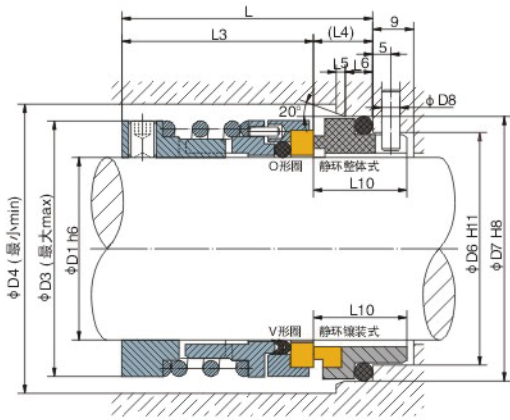
Materials:

Rotary ring (Inserted SiC/Inserted TC)
Stationary ring (Carbon/SiC/ Inserted TC)
Secondary seal(NBR/EPDM/VITON/PTFE)
Spring & Other parts (SUS304/SUS316)



Design features:

By adopting inner installation,inside current, single seal face, single spring,any rotation direction, fixed rotation direction and non-balancing type structure. Complies with the standard GB 6556,ISO 3069 and DIN 24960.

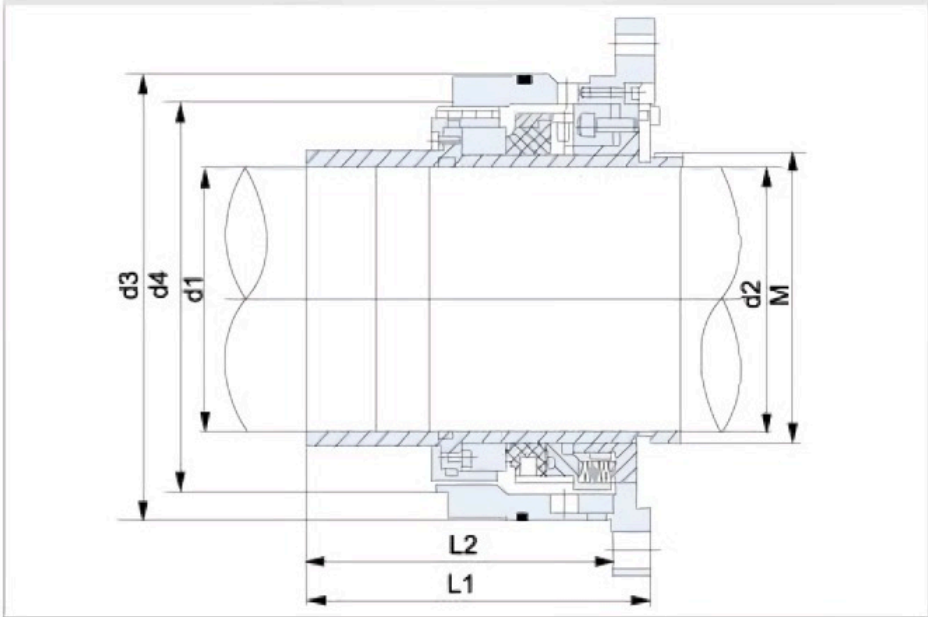


MODEL	D1	D3	D4	D6	D7	D8	L	L3	L4	L5	L6	L10
MSS 4U - 18	18	32	34	27	33	3	45	35	10	2	5	17.5
MSS 4U - 20	20	34	36	29	35	3	45	35	10	2	5	17.5
MSS 4U - 22	22	36	38	31	37	3	45	35	10	2	5	17.5
MSS 4U - 24	24	38	40	33	39	3	50	40	10	2	5	17.5
MSS 4U - 25	25	39	41	34	40	3	50	40	10	2	5	17.5
MSS 4U - 28	28	42	44	37	43	3	50	40	10	2	5	17.5
MSS 4U - 30	30	44	46	39	45	3	50	40	10	2	5	17.5
MSS 4U - 32	32	46	48	42	48	3	55	45	10	2	5	17.5
MSS 4U - 33	33	47	49	42	48	3	55	45	10	2	5	17.5
MSS 4U - 35	35	49	51	44	50	3	55	45	10	2	5	17.5
MSS 4U - 38	38	54	58	49	56	3	55	42	13	2	6	20
MSS 4U - 40	40	56	60	51	58	4	55	42	13	2	6	20
MSS 4U - 43	43	59	63	54	61	4	60	47	13	2	6	20
MSS 4U - 45	45	61	65	56	63	4	60	47	13	2	6	20
MSS 4U - 48	48	64	68	59	66	4	60	47	13	2	6	20
MSS 4U - 50	50	66	70	62	70	4	60	46	14	2.5	6	21
MSS 4U - 53	53	69	73	65	73	4	70	56	14	2.5	6	21
MSS 4U - 55	55	71	75	67	75	4	70	56	14	2.5	6	21
MSS 4U - 60	60	80	85	72	80	4	70	56	14	2.5	6	21
MSS 4U - 63	63	83	88	75	83	4	70	56	14	2.5	6	21
MSS 4U - 65	65	85	90	77	85	4	80	66	14	2.5	6	21
MSS 4U - 68	68	88	93	81	90	4	80	64	16	2.5	7	22
MSS 4U - 70	70	90	95	83	92	4	80	64	16	2.5	7	22
MSS 4U - 75	75	99	104	88	97	4	80	64	16	2.5	7	22
MSS 4U - 80	80	104	109	95	105	4	90	72	18	3	7	24.5
MSS 4U - 85	85	109	114	100	110	4	90	72	18	3	7	24.5
MSS 4U - 90	90	114	119	105	115	4	90	72	18	3	7	24.5
MSS 4U - 95	95	119	124	110	120	4	90	72	18	3	7	24.5
MSS 4U - 100	100	124	129	115	125	4	90	72	18	3	7	24.5

MSS-01



- Balanced type
- Multi-spring structure
- Equipped with cooling system



Operating parameters

d=60~300mm
p≤4.0Mpa
t≤250℃
v≤50m/s

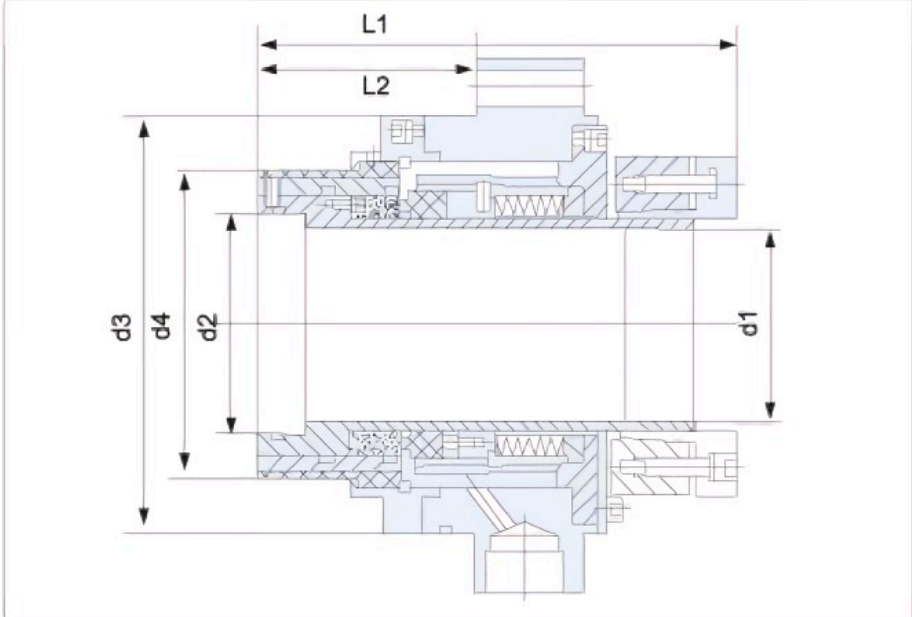
This series of mechanical seals is used in boiler feed pumps of thermal power plants.

Type	d1	d2	d3	d4	L1	L2	M
MSS-01-60	60	61	136	120	145	112	M76*2
MSS-01-70	70	71	145	129	145	112	M85*2
MSS-01-82	82	83	156	142	145	112	M96*2
MSS-01-91	91	92	162	150	145	112	M105*2
MSS-01-92	92	92	197	174	145	112	M110*2
MSS-01-96	9	96	197	174	145	112	M110*2
MSS-01-99	99	99	190	161	145	112	M110*2
MSS-01-104	104	104	200	159	154	126	M120*2
MSS-01-109	109	110	180	178	185	95	M120*2
MSS-01-115	101	115	215	170	172	75	M125*2
MSS-01-120	120	120	210	195	176.5	145	M145*2
MSS-01-125	111	125	215	170	166	76	M145*2
MSS-01-125A	111	125	215	170	166	75	M145*2
MSS-01-131	130	131	210	195	176.5	145	M145*2
MSS-01-131S	121	131	255	229	190	156	M145*2

MSS-02



- Balanced type
- Multi-spring structure
- Equipped with cooling system



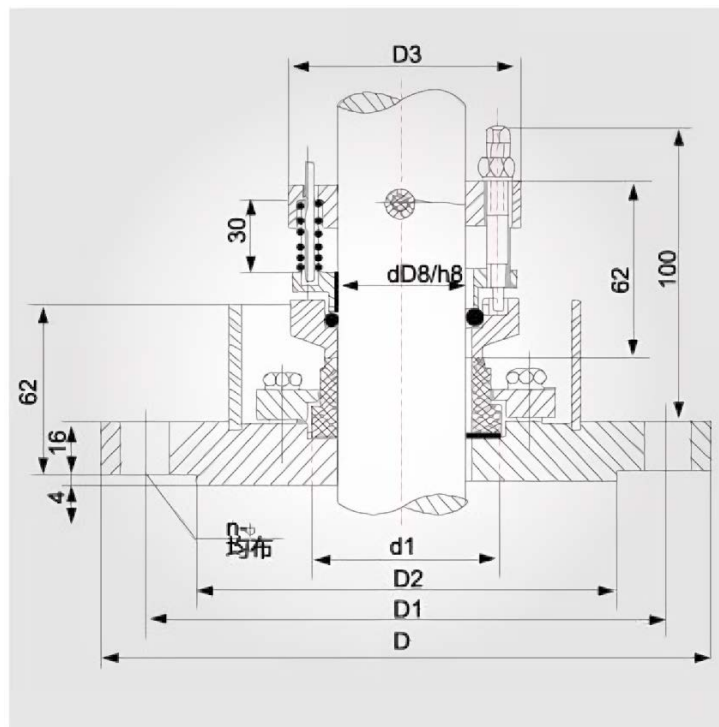
Operating parameters

d=60~300mm
p≤4.0Mpa
t≤250℃
v≤50m/s

This series of mechanical seals is used in boiler feed pumps of thermal power plants.

Type	d1	d2	d3	d4	L1	L2
MSS-02-60	60	65	136	120	145	112
MSS-02-70	70	76	145	129	145	112
MSS-02-82	82	88	156	142	145	112
MSS-02-91	91	96	162	150	145	112
MSS-02-92	92	96	197	174	145	112
MSS-02-96	96	96	197	174	145	112
MSS-02-99	99	105	190	161	145	112
MSS-02-104	104	110	200	159	154	126
MSS-02-109	92.5	92	180	178	185	150
MSS-02-115	101	115	215	170	172	145
MSS-02-120	120	120	210	195	176.5	145
MSS-02-125	111	125	215	170	166	145
MSS-02-125A	111	125	215	170	166	145
MSS-02-131	131	131	210	195	176.5	145
MSS-02-131S	121	131	255	229	190	145

202

**Operating parameters**

Structure: Small spring, single seal, unbalanced type
 Pressure: 0.1 - 0.25 Mpa
 Temperature: -40 - 180 °C
 Speed: ≤ 500 rpm
 Shaft Diameter: 30 - 150 mm

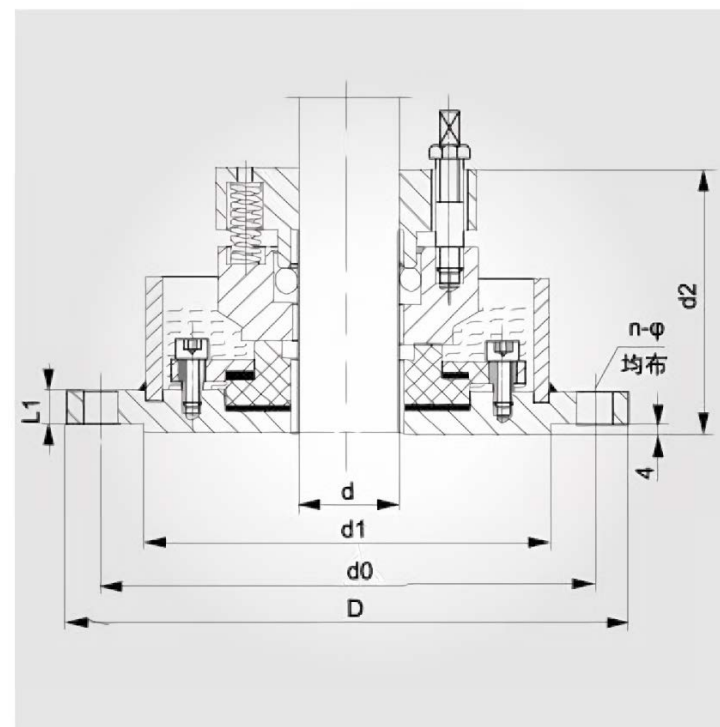
Applicable Media:

Acids, Alkalies, Oils, Polymer suspensions

d D8/h8	d1	D	D1	D2 h11	D3	n-Φ
30	50	185	150	116	64	4-Φ18
40	64	205	170	135	76	4-Φ18
50	74	235	200	164	88	8-Φ18
65	91	235	200	164	103	8-Φ18
80	110	260	225	188	118	8-Φ18
95	123	290	255	220	132	12-Φ18
110	140	315	280	245	150	12-Φ18
125	155	315	280	245	165	12-Φ18
130	158	360	320	285	180	12-Φ18
140	168	360	320	285	195	12-Φ18
150	180	360	320	285	210	12-Φ18



204

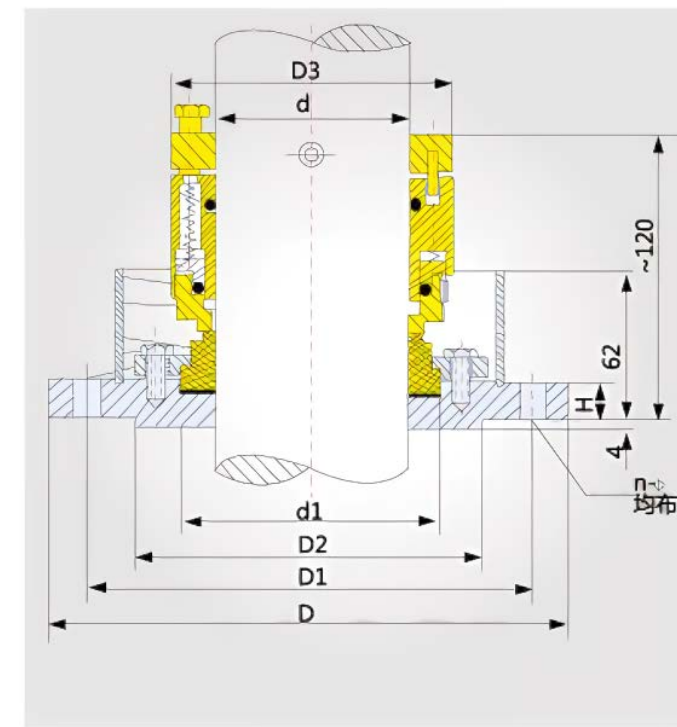
**Operating parameters**

Pressure: 0.1 - 0.3 Mpa
 Temperature: -40 - 180 °C
 Speed: 0 - 500 rpm

Applicable Media:

Acids, Alkalies, Oils, Polymer suspensions A cooling water tank must be installed when the temperature exceeds 180 °C. Installation heights L2 and L3 must be increased by 80 mm.

204B

**Operating Parameters**

Structure: Small spring, single seal, balanced type
 Pressure: 0 - 0.8 Mpa
 Temperature: -40 °C - 180 °C
 Speed: ≤ 500 rpm
 Shaft Diameter: 30 - 180 mm

Applicable Media:

Acids, Alkalies, oils, polymer suspensions

D h8	d1	D	D1	D2 h11	D3	H
30	50	185	150	116	67	16
40	64	205	170	135	77	16
50	74	235	200	164	87	16
60	85	235	200	164	98	16
65	91	235	200	164	103	16
70	110	260	200	188	118	16
80	119	290	255	220	128	16
95	132	315	280	245	138	16
100	140	315	280	245	148	16
110	158	315	280	245	158	22
120	168	315	280	245	168	22
130	180	315	280	245	178	22
150	190	360	320	285	188	25
160	200	360	320	285	198	25
180	220	360	320	285	218	25

205/206/207



Operating Parameters

Pressure:

Model 205: -0.1 ~ 0.6 Mpa

Model 206: -0.1 ~ 1.6 Mpa

Model 207: -0.1 ~ 2.5 Mpa

Temperature: -20 °C ~ 350 °C

Speed: 0 ~ 0.2 rpm

Applicable Media:

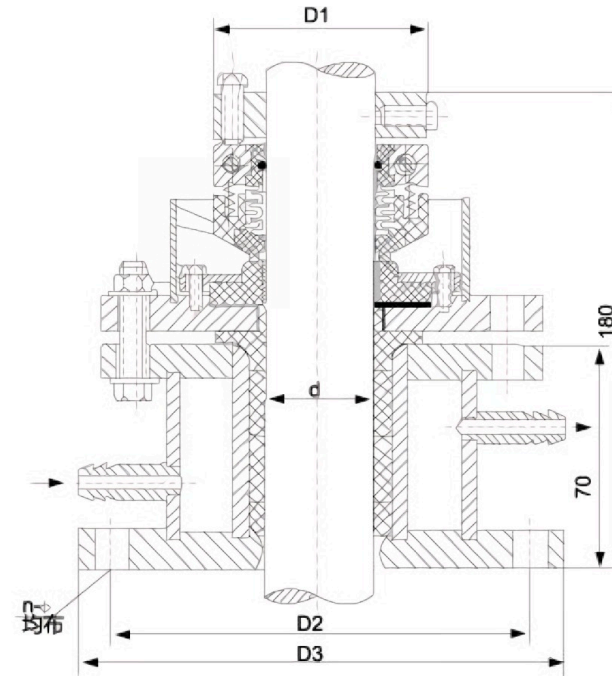
Models 205, 206: Oil, water, weak alkalis, weak acids, and other general media.

Models 206, 207: Oil, water, weak alkalis, weak acids, as well as flammable, explosive, and toxic gases, etc.

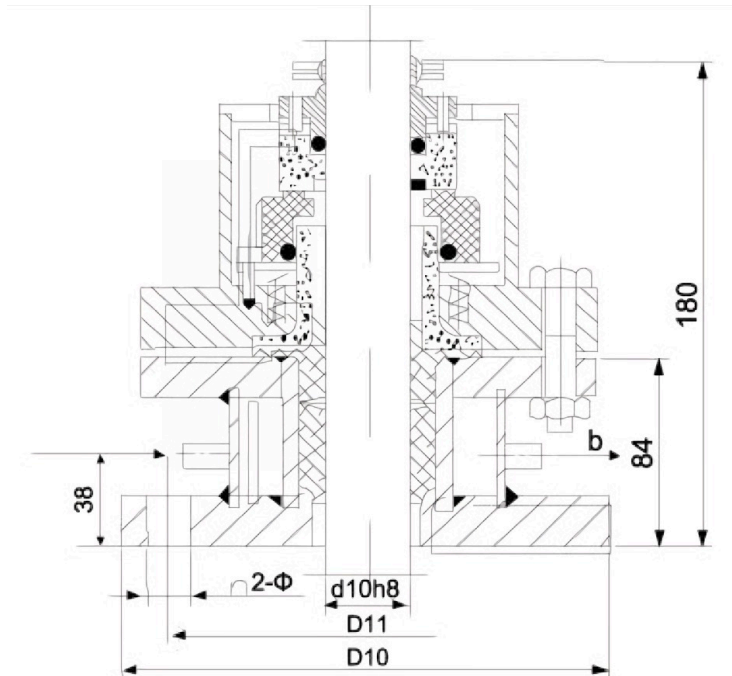
Note: When the temperature exceeds 160°C, an elevated water tank must be installed, and the installation height L1 must be increased by 80mm.

d		30	35,40	45-60	65,70	75,80	85	90-100	105	110,115	120,125	130-160
D	78 Standards	185	205	235	235	260	260	290	315	315	370	405
	91 Standards	205	235	235	260	315	315	370	370	370	435	485
		206	215	215	245	280	280	330	335	335	405	460
		207	230	230	270	300	300	360	360	360	425	485
D1	78 Standards	150	170	200	200	225	235	255	280	290	320	355
	91 Standards	205	200	200	225	280	280	325	335	335	385	445
		206	180	180	210	240	240	295	295	295	355	410
		207	190	190	220	250	280	310	320	340	370	430
D2	78 Standards	116	135	164	164	188	188	210	215	245	270	312
	91 Standards	205	164	164	188	245	245	298	298	298	353	403
		206	149	149	175	203	203	259	259	259	312	363
		207	149	149	175	203	203	259	259	259	312	363
n/d1	78 Standards	4-18		8-18		12-18		12-18		12-23		12-23
	91 Standards	205	8-18		8-23		12-23		12-25		12-25	
		206	8-18		8-23		12-23		12-25		12-25	
		207	8-23		8-25		12-25		12-30		16-30	
H	205	240		245		250		255		260		280
	206	240		245		250		260		260		280
	207	240		245		260		265		270		295

212



MSS212



69 Standards

d	D ₁	D ₂	D ₃	n-Φ
42	90	140	170	6—Φ16
50	100	170	200	8—Φ16
60	110	190	220	10—Φ16
70	120	250	280	16—Φ16
76	130	250	280	16—Φ16
80	130	250	280	16—Φ16
89	140	250	280	16—Φ16
95	150	300	330	20—Φ16

91 Standards

d	D ₁	D ₂	D ₃	n-Φ
40	90	130	160	4—Φ18
50	100	150	190	4—Φ18
65	115	170	210	4—Φ18
80	130	200	240	8—Φ18
95	150	225	265	8—Φ18
110	165	280	320	8—Φ18
125	180	280	320	8—Φ18
140	195	335	375	12—Φ1

Operating Parameters

Structure: Single seal, small springs, PTFE bellows type

Pressure: ≤ 0.6 MPa

Temperature: -40 °C ~ 150 °C

Speed: ≤ 500 rpm

Shaft Diameter: 30 ~ 150 mm

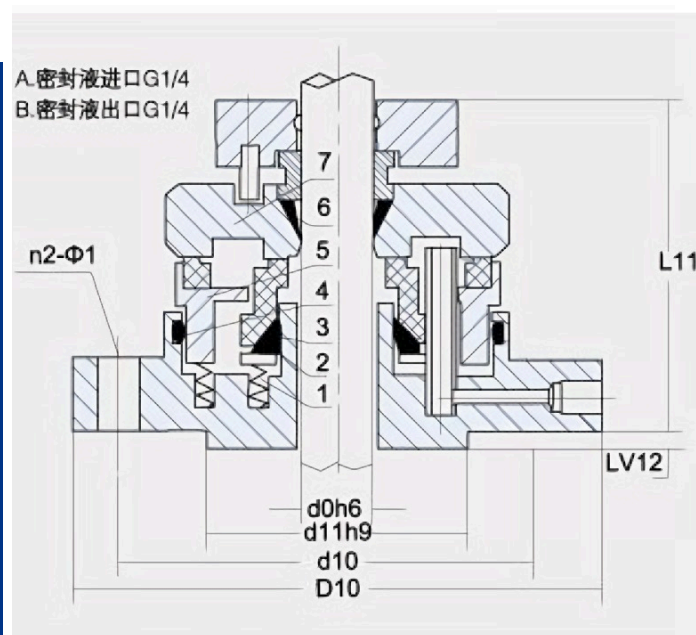
Applicable Media: Sulfuric acid, nitric acid, organic acids, and other highly corrosive media (without suspended solids).

This series of seals is the most widely used mechanical seal in glass-lined reactors. It allows for the selection of various materials and face combinations to meet the requirements of different working conditions.

79 Standards

d	D ₁	D ₂	D ₃	n-Φ
40	90	130	160	4—Φ18
50	100	150	185	4—Φ18
65	115	170	205	4—Φ18
80	130	200	235	8—Φ18
95	150	200	235	8—Φ18
102	150	255	290	8—Φ18

222



Operating Parameters

Structure: Radial double seals, small springs,
drive pin transmission

Pressure: ≤ 1 Mpa

Temperature: $0 \sim 120^\circ\text{C}$

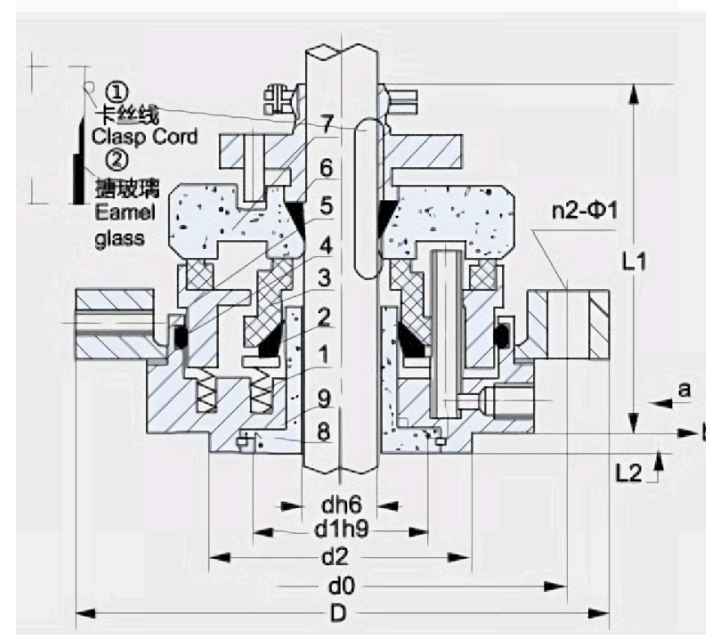
Speed: ≤ 500 rpm

Shaft Diameter: $40 \sim 140$ mm

Applicable Media: Corrosive media; applications
with high sealing leakage requirements.

d	d1	D	D1	D2	D3	h1	h2	H	n-Φ
40	106	185	145	122	109	4	13	110	4-18
50	116	220	180	158	148	4	13	119	8-18
65	136	250	210	188	175	5	15	137	8-18
80	164	250	210	188	175	5	15	137	8-18
95	184	285	240	212	203	5	15	137	8-18
110	210	340	285	268	259	6	17	146	8-18
125	235	340	295	268	259	6	17	146	8-18
140	250	395	350	324	335	6	17	146	12-22

221



- 1.Spring
- 2.Inner Stationary Ring Wedge Seal Ring
- 3.Inner Stationary Ring & Bearing
- 4.Outer Stationary Ring O-ring
- 5.Outer Stationary Ring
- 6.Rotating Ring Wedge Seal Ring
- 7.Rotating Ring
- 8.Bearing
- 9.Bearing O-ring

Operating Parameters

Structure: Radial double seals, small springs

Pressure: ≤ 1.0 Mpa

Temperature: $0 \sim 80^\circ\text{C}$

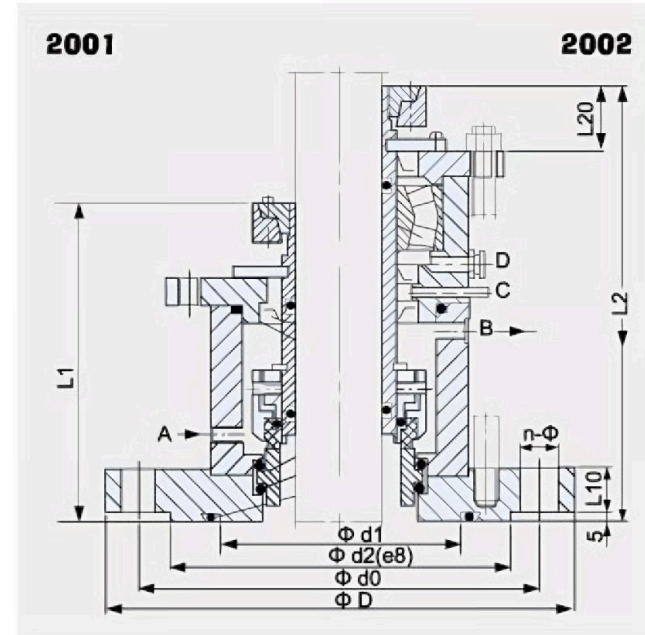
Speed: ≤ 500 rpm

Shaft Diameter: $30 \sim 130$ mm

Applicable Media: Flammable, explosive, hazardous
media; applications with strict sealing leakage
requirements.

d	D	D ₁	D ₂	H	n-Φ	M
30	215	180	87	111	8-18	16
40	215	180	109	111	8-18	16
50	245	210	120	116	8-18	16
60	245	210	149	118	8-18	16
65	280	240	149	118	8-23	20
70	280	240	175	136	8-23	20
80	280	240	175	136	8-23	20
90	335	295	203	138	12-23	20
95	335	295	203	138	12-23	20
100	335	295	230	150	12-23	20
110	405	355	230	150	12-25	22
120	405	355	259	153	12-25	22
130	460	410	259	153	12-25	22

2001/2002



Operating Parameters

Model 2001 & 2002

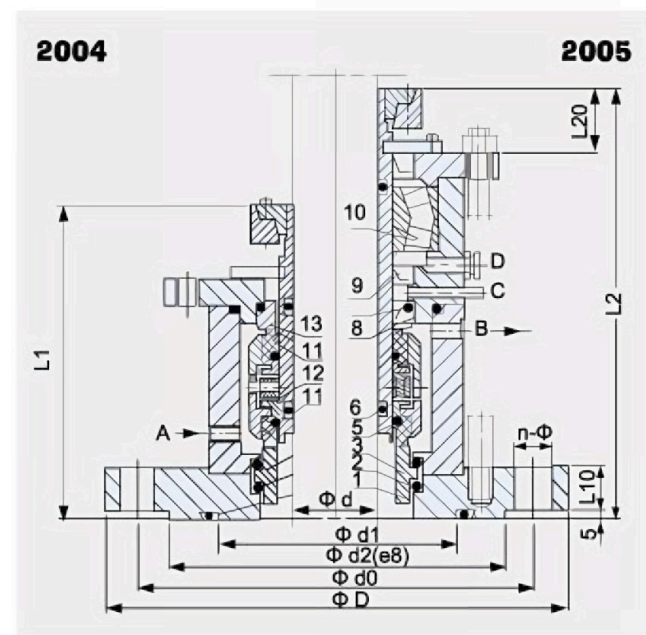
Pressure: PN $-0.1 \sim 0.6$ Mpa

Temperature: $-40 \sim 180^\circ\text{C}$ (350°C)

Speed: ≤ 2 m/s

Media: General gases such as oil, water, weak
alkalis, weak acids, etc.

d	d1	d2	d0	D	L1	L2	L10	L20	n-Φ
30	90	110	145	175	135	215	18	28	4-18
40	90	110	145	175	135	215	18	28	4-18
50	135	176	210	240	140	230	20	28	8-18
60	135	176	210	240	150	240	20	28	8-18
70	135	176	210	240	160	280	20	28	8-18
80	155	204	240	275	160	280	24	34	8-22
90	190	234	270	305	170	280	24	34	8-22
100	190	234	270	305	170	280	24	34	8-22
110	215	260	295	330	195	290	24	34	8-22
120	215	260	295	330	195	290	24	34	8-22
130	215	260	295	330	200	305	24	40	8-22
140	250	313	350	395	200	305	24	40	12-22
160	265	313	350	395	205	310	28	40	12-22
180	310	364	400	445	210	315	28	40	12-22
200	310	364	400	445	215	320	28	40	12-22
220	340	422	460	505	220	325	28	40	16-22



Operating Parameters

Model 2004 & 2005

Pressure: PN $-0.1 \sim 1.6$ Mpa

Temperature: $-40 \sim 180^\circ\text{C}$ (350°C)

Speed: ≤ 2 m/s

Applicable Media: Oil, water, weak alkalis, weak
acids, explosive and toxic gases, etc.

Features a cartridge structure with strong parts commonality. The drive mechanism is non-directional. Short axial installation length. Generally used in conjunction with a hydraulic pump station.

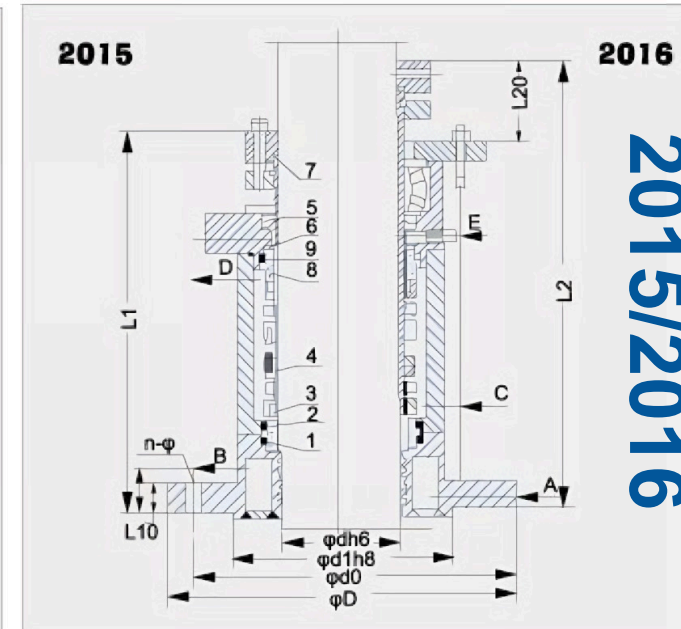
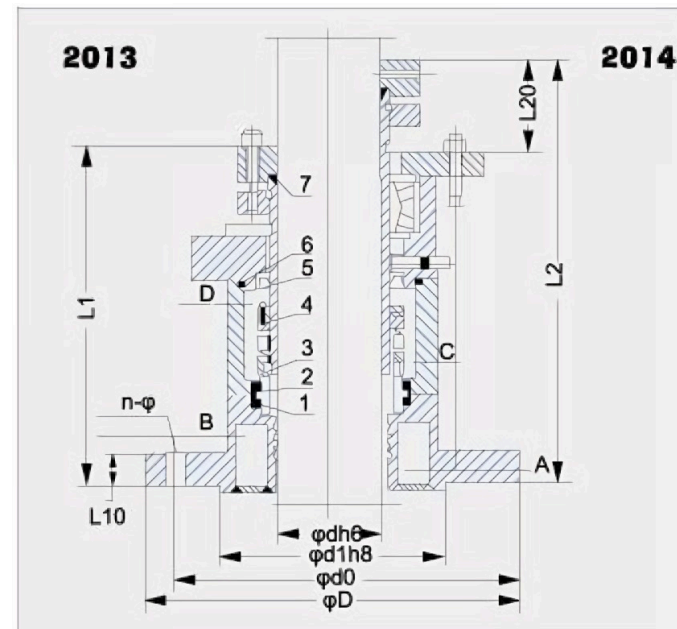
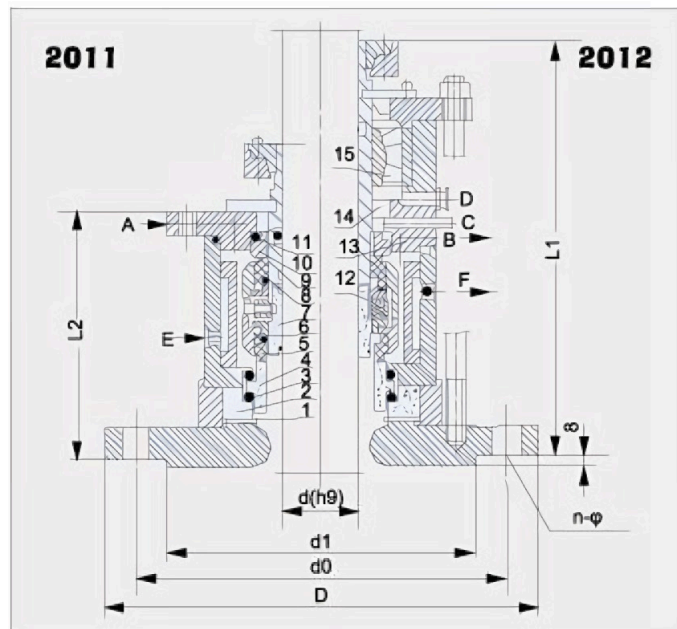
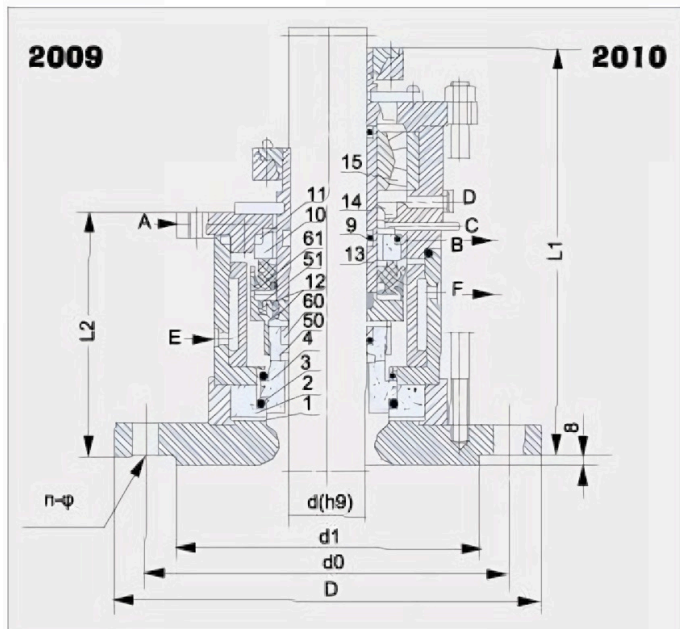
Note: A balanced device must be used when the operating pressure exceeds 0.6 MPa. When the temperature exceeds 180°C , a elevated water tank must be installed, and the installation height ($L1$ or $L2$) must be increase



2019/2010

2011/2012

2013/2014



Operating Parameters

Temperature: 40°C ~ 180°C (350°C)
Pressure: PN -0.1 ~ 1.6 Mpa
Speed: ≤ 2 m/s

When the temperature exceeds 180°C, an elevated water tank must be installed, and the installation height L1 or L2 must be increased by 60mm.

- A. Seal Liquid Inlet G1/4 B. Seal Liquid Outlet G1/4
C. Leakage Liquid Outlet D. Bearing Filling Port
E. Coolant Inlet G1/4 F. Coolant Outlet G1/2

1. Gasket 2. Stationary Ring Seat 3. O-ring 4. O-ring
5. Medium End Rotating Ring 6. O-ring 7. Shaft Sleeve
8. O-ring 9. O-ring 10. Atmosphere End Stationary Ring
11. O-ring 12. Spring 13. O-ring 14. Skeleton Oil Seal 15. Bearing
50. Medium End Rotating Ring 51. Atmosphere End Rotating Ring
60. O-ring 61. O-ring

This product is primarily used for the shaft seal of enamel reactors and can handle various highly corrosive media containing particles. It is generally used in conjunction with a hydraulic pump station.



Operating Parameters

Pressure: Model 2013 & 2014 PN -0.1 ~ 1.0 Mpa
Temperature: -40°C ~ 450°C
Speed: ≤ 2 m/s
Media: Suitable for various solvents, acids, alkalis, oils, and polymer suspensions.

- A. Coolant Inlet G1/4 B. Coolant Outlet G1/2
C. Seal Liquid Inlet G1/4 D. Seal Liquid Outlet G1/4

Operating Parameters

Pressure: Model 2015 & 2016 PN -0.1 ~ 2.5 Mpa
Temperature: -40°C ~ 450°C
Speed: ≤ 2 m/s
Media: Suitable for various solvents, acids, alkalis, oils, and polymer suspensions.

1. Lower Stationary Ring Seal Ring 2. Lower Stationary Ring
3. Bellows Rotating Ring 4. Rotating Ring Seal Ring
5. Oil Seal 6. O-ring 7. Wedge Seal Ring
8. Upper Stationary Ring 9. Upper Stationary Ring Seal Ring

Metal Bellows Type, Reliable Sealing Performance

Suitable for agitator shafts with a swing amount within 0.8mm. Auxiliary seal rings can be made of PTFE (Teflon) or flexible graphite.



d	d1		d0		D		L1	L2	L20	n-φ	
	EUR standards	91 standards	EUR standards	91 standards	EUR standards	91 standards				EUR standards	91 standards
40	110	109	145	145	175	185	235	155	38	4-18	4-18
50	176	149	210	180	240	220	250	160	38	8-18	8-18
60	204	175	240	210	275	250	260	170	38	8-22	8-18
80	234	175	270	210	305	250	300	180	44	8-22	8-18
100	313	203	350	240	395	285	300	190	44	12-22	8-18
125	422	259	460	295	505	340	310	215	50	12-22	8-22
140	422	324	460	350	505	395	325	220	50	12-22	8-22
160	422	324	460	350	505	395	335	225	50	12-22	12-22

d	d1	d0	D	L10	L1	L2	L20	n-φ
30	110	145	175	20	195	275	38	4-18
40	110	145	175	20	195	275	38	4-18
50	176	210	240	22	200	310	38	8-18
60	176	210	240	22	210	320	38	8-18
70	176	210	240	22	220	360	38	8-18
80	204	240	275	22	220	360	44	8-22
90	234	270	305	24	230	360	44	8-22
100	234	270	305	24	230	360	44	8-22
110	260	295	330	24	255	370	44	8-22
120	260	295	330	24	255	370	44	8-22
130	260	295	330	24	260	385	50	8-22
140	313	350	395	24	260	385	50	12-22
160	313	350	395	24	265	390	50	12-22