

MAFFS SEALS PVT. LTD.

We seal everything including your confidence

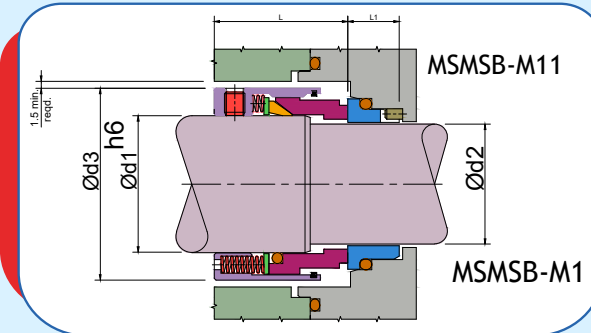


MECHANICAL SEAL & SEAL SUPPORT SYSTEM



MULTI SPRING SEALS-BALANCED

MSMSB-M11/MSMSB-M1



DETAILS:

- Single acting Seal
- Balanced design
- Inside mounted
- Independent of direction of rotation
- For stepped shaft

APPLICATIONS:

- Refinery Applications
- Oil and Gas Industry
- Petrochemical Industry
- Chemical Industry
- Power Plant

OPERATING RANGE:

- Shaft diameter : 20.0....100.0 mm
- Pressure: 40 bar
- Temperature: 260°C
- Speed : Up to 23 m/s

FACE MATERIALS:

- Carbon v/s Silicon Carbide, Tungsten Carbide, Ceramic

METAL PARTS:

- SS 316, SS 304, ALLOY 20

ELASTOMERS:

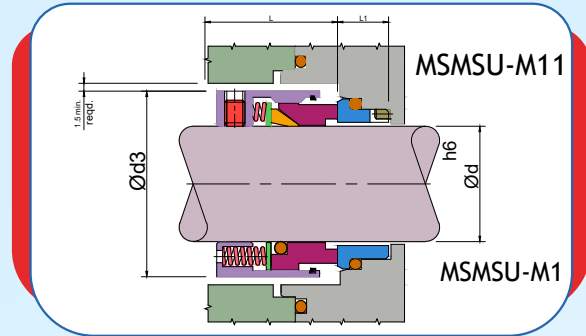
- Viton, Nitrile, EPR, PTFE, Kalrez

SEAL SIZE mm	Ød1	Ød2	Ød3	L	L1
24.0	24.0	20.0	38.5	32.0	15.0
28.0	28.0	24.0	42.5	35.0	15.0
30.0	30.0	25.0	44.5	35.0	15.0
33.0	33.0	28.0	47.5	38.0	15.0
35.0	35.0	30.0	49.5	38.5	15.0
38.0	38.0	32.0	54.5	38.5	15.0
38.0	38.0	33.0	54.5	38.5	15.0
40.0	40.0	35.0	56.5	38.5	15.0
43.0	43.0	38.0	59.5	40.0	16.0
45.0	45.0	40.0	61.5	40.0	16.0
48.0	48.0	43.0	64.5	40.0	16.0
50.0	50.0	45.0	66.5	40.0	16.0
53.0	53.0	48.0	69.5	40.0	16.0
55.0	55.0	50.0	71.5	44.5	17.0
58.0	58.0	53.0	78.5	44.5	17.0
60.0	60.0	55.0	80.5	44.5	17.0
63.0	63.0	58.0	83.5	49.5	18.0
65.0	65.0	60.0	85.5	49.5	18.0
68.0	68.0	63.0	88.5	49.5	18.0
70.0	70.0	65.0	90.5	49.5	18.0
75.0	75.0	70.0	95.5	56.5	19.0
80.0	80.0	75.0	104.5	56.5	19.0
85.0	85.0	80.0	109.5	55.5	19.0
90.0	90.0	85.0	114.5	60.5	19.0
95.0	95.0	90.0	119.5	60.5	20.5
100.0	100.0	95.0	124.5	60.5	20.5
105.0	105.0	100.0	129.5	60.5	20.5

Dimensions for higher sizes available against specific requirement.
All dimensions in mm.

MULTI SPRING SEAL-UNBALANCED

MSMSU-M11/MSMSU-M1



DETAILS:

- Single acting Seal
- Inside mounted
- Unbalanced design
- Independent of direction of rotation

APPLICATIONS: (Typical Industrial)

- Oil Solvents, Refregants,
- Petroleum refinery
- Petrochemicals
- General chemicals
- Light hydrocarbon

OPERATING CONDITIONS :

- Shaft diameter : 20.....100 mm
- Pressure : 20 bar
- Temperature : 260°C
- Velocity : 23 m/s

FACE MATERIALS: (Combination)

- Carbon v/s Silicon Carbide, Tungsten Carbide, Ceramic

METAL PARTS:

- SS 316, SS 304, ALLOY 20

SECONDARY SEAL:

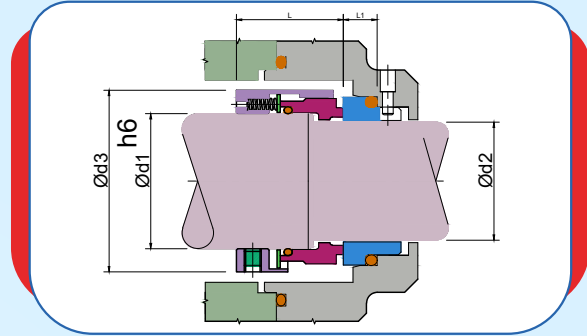
- VITON, NITRILE, EPR PTFE, Kalrez

SEAL SIZE mm	Ød	Ød3	L	L1
020	20.0	34.5	27.5	15.0
025	25.0	39.5	31.0	15.0
028	28.0	42.5	31.0	15.0
030	30.0	44.5	31.0	15.0
032	32.0	46.5	31.0	15.0
033	33.0	47.5	31.0	15.0
035	35.0	49.5	31.0	15.0
038	38.0	54.5	32.0	16.0
040	40.0	56.5	33.0	16.0
043	43.0	59.5	33.0	16.0
045	45.0	61.5	34.0	16.0
048	48.0	64.5	34.0	16.0
050	50.0	66.5	35.0	17.0
053	53.0	69.5	35.0	17.0
055	55.0	71.5	35.0	17.0
058	58.0	78.5	40.5	18.0
060	60.0	80.5	40.5	18.0
063	63.0	83.5	40.5	18.0
065	65.0	85.5	40.5	18.0
068	68.0	88.5	40.5	18.5
070	70.0	90.5	46.0	19.0
075	75.0	95.5	46.0	19.0
080	80.0	104.5	47.0	19.0
085	85.0	109.5	47.0	19.0
090	90.0	114.5	50.0	20.5
095	95.0	119.5	50.0	20.5
100	100.0	124.5	50.0	20.5

Dimensions for higher sizes available against specific requirement.
All dimensions in mm.

MULTI SPRING SEALS-BALANCED

MS500



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- For stepped shaft

APPLICATIONS: (Typical Industrial)

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METAL PARTS:

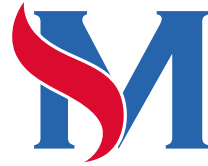
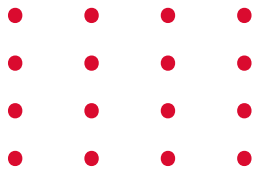
- SS 316, SS 304, ALLOY 20

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33.0	33.0	28.0	47.5	34.0	10.0
35.0	35.0	30.0	49.5	34.0	10.0
38.0	38.0	33.0	55.5	38.0	10.0
40.0	40.0	35.0	57.5	38.0	10.0
42.0	42.0	37.0	60.5	37.0	11.0
43.0	43.0	38.0	60.5	37.0	11.0
45.0	45.0	40.0	62.5	37.0	11.0
48.0	48.0	43.0	65.5	37.0	11.0
50.0	50.0	45.0	67.5	37.0	11.0
53.0	53.0	48.0	70.5	37.0	11.0
55.0	55.0	50.0	72.5	37.0	13.0
60.0	60.0	55.0	77.5	37.0	13.0
63.0	63.0	58.0	80.5	37.0	13.0
65.0	65.0	60.0	82.5	37.0	13.0
70.0	70.0	65.0	87.5	37.0	13.0
75.0	75.0	70.0	92.5	38.0	15.0
80.0	80.0	75.0	97.5	38.0	15.0
85.0	85.0	80.0	102.5	37.5	15.5
90.0	90.0	85.0	107.5	37.5	15.5
95.0	95.0	90.0	112.5	37.5	15.5
100.0	100.0	95.0	117.5	37.5	15.5
105.0	105.0	100.0	122.5	37.5	15.5
110.0	110.0	105.0	127.5	37.5	15.5

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All dimensions in mm.



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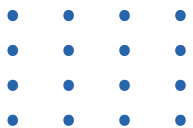
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