

DIMENSIONAL STANDARD · MSS SP-43

MSS SP-43 Stub End Dimensions

MSS SP-43 short-pattern lap-joint stub end dimensions, Sch 10S, NPS ½–24, in mm.

This chart gives **MSS SP-43** short-pattern (MSS) lap-joint stub end dimensions in millimetres — length F, lap diameter G and fillet radius R for use with lap-joint (Type A) or slip-on (Type B) backing flanges. MSS SP-43 covers wrought stainless butt-weld fittings, including light-wall Sch 5S and 10S.

Teshi Group manufactures short- and long-pattern stub ends in stainless, duplex and nickel alloys in India.

G Lap outside diameter

F Length

R Fillet radius of lap

MSS SP-43 stub ends, short pattern (mm)

NPS	OD Pipe OD	T Wall Sch 10S	G Lap OD	F Length	R Radius Type A	R Radius Type B
1/2	21.3	2.11	34.9	50.8	3.05	0.76
3/4	26.7	2.11	42.9	50.8	3.05	0.76
1	33.4	2.77	50.8	50.8	3.05	0.76
1 1/4	42.2	2.77	63.5	50.8	4.83	0.76
1 1/2	48.3	2.77	73	50.8	6.35	0.76
2	60.3	2.77	92.1	63.5	7.87	0.76
2 1/2	73	3.05	104.8	63.5	7.87	0.76
3	88.9	3.05	127	63.5	9.65	0.76
3 1/2	101.6	3.05	139.7	76.2	9.65	0.76
4	114.3	3.05	157.2	76.2	11.18	0.76
5	141.3	3.40	185.7	76.2	11.18	1.52
6	168.3	3.40	215.9	88.9	12.7	1.52
8	219.1	3.76	269.9	101.6	12.7	1.52
10	273.1	4.19	323.9	127	12.7	1.52
12	323.9	4.57	381	152.4	12.7	1.52
14	355.6	4.78	412.8	152.4	12.70	1.52
16	406.4	4.78	469.9	152.4	12.7	1.52
18	457.2	4.78	533.4	152.4	12.70	1.52
20	508	5.54	584.2	152.4	12.70	1.52
24	609.6	6.35	692.2	152.4	12.7	1.52

Notes

- All dimensions are in millimetres.
- Type A radius suits a lap-joint flange; Type B (small radius) suits a slip-on flange used as a backing ring.

- Elbows, tees, reducers and caps to MSS SP-43 share ASME B16.9 dimensions.
- Values are nominal, compiled from published copies of the standard; blank cells (—) are values not confirmed from the sources available. Verify against the current edition before design, purchase or fabrication.

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