IBR Approved

MSS-SP-97

Armech Alloys	IBR Approved	Manufacturer in India
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MSS-SP-97 standard covers size, finish, dimensions, pressure, testing, and material strength for 90 and 45 degree branch fittings of socket welding, threaded and butt welding types. MSS-SP-97 standard developed by the MSS (Manufacturers Standardization Society). MSS-SP-97 available in sockolet, weldolet, nipolet, elbolet and threadolet used for branch connections. MSS-SP-97 weldolet available in size range 1/8" To 4". One of the trusted MSS-SP-97 manufacturer in India because the company supplies to more than 52 customers in Size 1/8" To 4". Our MSS-SP-97 sockolet are designed to withstand pressures of up to 9,000 LBS.

Refer MSS-SP-97 Standard Specification

MSS SP-95 Specification

Standard MSS SP-97	**Size** 1/8” To 4”	**Pressure Class** 3000# & 6000#
Threads NPT, BSPT, BSPP	**Raw Material** Round and Hex Bar	**Types** Weldolet Threadolet Sockolet
Aangle 45 Deg 90 Deg	**Testing** Proof Test	**Material** Stainless Steel Carbon Steel Alloy Steel

Application	Piping Codes	Schedule
Oil and Gas	ASME B31.1 ASME B31.3	STD" (Standard) "XS" (Extra Strong) SCH 160"

Refer Size Range Of MSS SP 97 Weldolet For Power Generation Plant Based On Natural Gas

MSS SP 97 refers to a preferred evolved with the aid of the Manufacturers Standardization Society for integrally bolstered department connection fittings. which include Weldolet, Sockolet, and Threadolet, ensure a dependable, stress-resistant connection among pipes.

MSS SP-97 Branch Fittings Size Chart

Type	Pressure Class	Size	Wall Thickness
MSS SP 97 Threadolet & Sockolet	Class 3000	1/8" To 4"	XS
MSS SP 97 Threadolet & Sockolet	Class 6000	1/2" To 2"	SCH 160
MSS SP 97 Weldolet	Standard (STD)	1/8 To 24"	STD
MSS SP 97 Weldolet	Extra Strong (XS)	1/8 To 24"	XS
MSS SP 97 Weldolet	SCH 160	1/2 To 6"	SCH 160

APPLICATIONS

MSS SP 97 Branch Connection Fitting Available Buttwelding, Socket Welding, and Threaded types

- MSS SP 97 Weldolet is designed for welded connections.
- Threadolet MSS SP 97 affords threaded fittings.
- Sockolet MSS SP 97 in socket-weld connections.

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MSS SP 97 Material

- ASTM A105/A105M
- ASTM A182/A182M
- ASTM A350/A350M

Types Of MSS SP-97 Branch Connection Fitting

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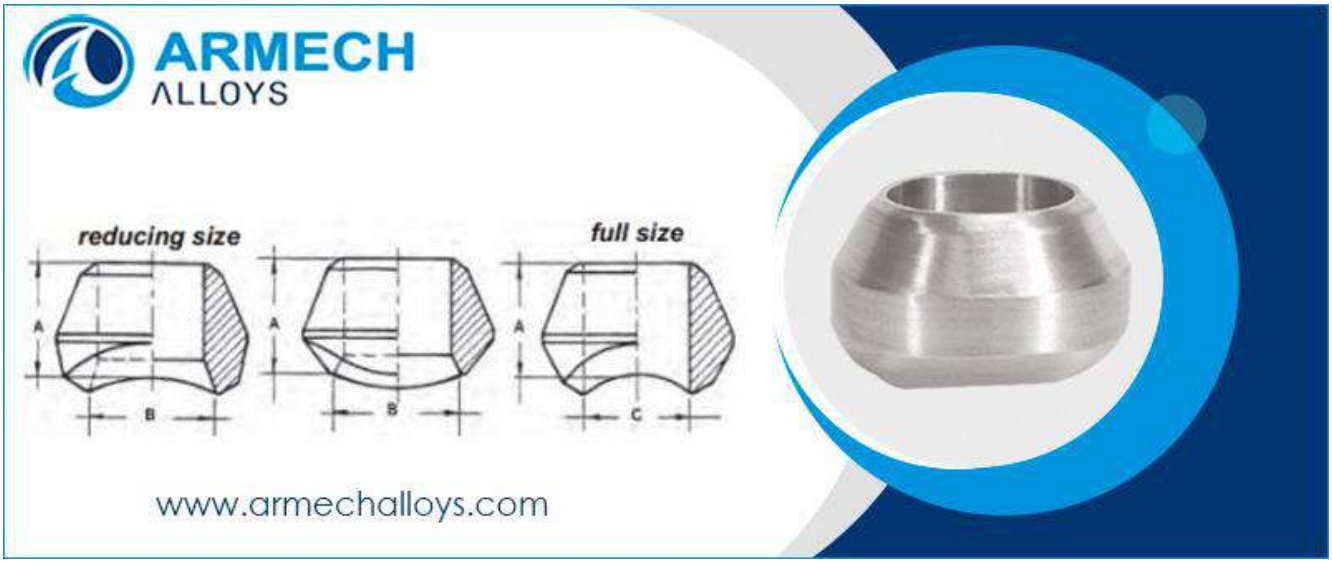
Check Difference Between MSS SP 97 vs ASME B16.11

MSS SP 97 Vs ASME B16.11

Feature	MSS SP 97	ASME B16.11
Type	Weldolet, Threadolet, Sockolet	Socket-Welding and Threaded Fittings
Material	Wrought steel	Forged steel
Size	1/8" To 24"	1/8 To 12"
Applications	Industrial applications	High temperature and pressure applications
Uses	Gas pipelines	Power plants

MSS SP-97 Weldolet Dimensions PDF



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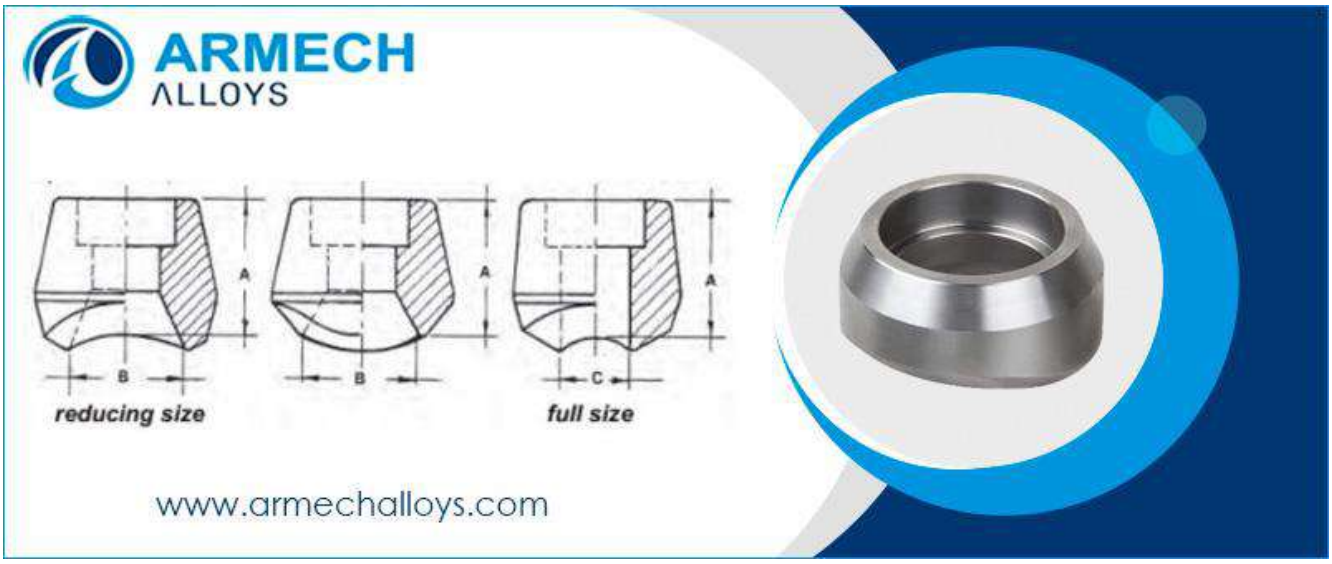
Size	Reducing Size	Reducing Size	Full Size
Inch	(A)	(B)	(C)
1/2	3/4	15/16	5/8
3/4	7/8	1-3/16	13/16
1	1-1/16"	1-7/16	1-1/32
1-1/4	1-1/4	1-3/4	1-3/8
1-1/2	1-5/16	2	1-5/8
2	1-1/2	2-9/16	2-1/16
2-1/2	1-5/8	3	2-7/16
3	1-3/4	3-11/16	3-1/16
3-1/2	1-7/8	4	3-9/16
4	2	4-3/4	4
5	2-1/4	5-9/l6	5-1/16
6	2-3/8	6-11/16	6-1/16
8	2-3/4	8-11/16	7-15/16
10	3-1/16	10-13/16	10
12	3-3/8	12-13/16	12
14	3-1/2	14-1/16	13-1/4
16	3-11/16	16-1/16	15-1/4
18	4	18-1/16	17-1/4
20	4-1/2	20-1/16	19-1/4
24	4-7/8	24-1/16	23-1/4

MSS SP-97 Threadolet Dimensions PDF

Size	Reducing Size (A)	Reducing Size (B)	Full Size (C)
1/8	3/4	5/8	-
1/4	3/4	5/8	-
3/8	13/16	3/4	-
1/2	1	15/16	9/16
3/4	1 1/16	1 3/16	3/4
1	1 5/16	1 7/16	15/16
1 1/4	1 5/16	1 3/4	1 1/4
1 1/2	1 3/8	2	1 1/2
2	1 1/2	2 9/16	1 15/16
2 1/2	1 13/16	3	2 5/16
3	2	3 11/16	2 7/8
4	2 1/4	4 3/4	3 13/16

MSS SP-97 Sockolet Dimensions PDF



Size	Reducing Size (A)	Reducing Size (B)	Full Size (C)
1/8	3/4	5/8	-
1/4	3/4	5/8	-
3/8	13/16	3/4	-
1/2	1	15/16	9/16
3/4	1 1/16	1 3/16	3/4
1	1 5/16	1 7/16	15/16
1 1/4	1 5/16	1 3/4	1 1/4
1 1/2	1 3/8	2	1 1/2
2	1 1/2	2 9/16	1 15/16
2 1/2	1 13/16	3	2 5/16
3	2	3 11/16	2 7/8
3 1/2	2 1/8	4	3 5/16
4	2 1/4	4 3/4	3 13/16

Weldolet MSS SP-97 Weight

Size	Weight in KG
1/2	0.068
3/4	0.113
1	0.181
1 1/4	0.317
1 1/2	0.362
2	0.680
2 1/2	1.02
3	1.70
3 1/2	2.26
4	3.03
5	3.85
6	6.35
8	12.70
10	17.69
12	29.48
14	31.75
16	41.73
18	56.69
20	79.37
24	127.0

MSS SP 97 Threadolet Weight

Size	Reducing Size Weight	Full Size Weight
1/4	0.06	-
3/8	0.09	-
1/2	0.11	0.12
3/4	0.17	0.19
1	0.29	0.31
1 1/4	0.41	0.45
1 1/2	0.46	0.50
2	0.80	0.87
2 1/2	1.74	1.50
3	2.00	2.15
4	97.0	3.60