IBR Approved

MSS SP-79
Reducer Insert

Armech Alloys	IBR Approved	Manufacturer in India
Email: armechalloys@gmail.com **Website**: https://www.armechalloys.com	**Address**: Office No.21, 6th Kumbharwada, Mumbai-400004. (India)	ARMECH ALLOYS

TABLE OF CONTENTS

MSS SP-79 Reducer Insert Size Chart 3

MSS SP-79 Specification 4

Manufacturing Size Range 4-5

Pressure Ratings 4-5

Welding 4-5

Testing 4-5

Process Method 4-5

Material 4-5

MSS SP-79 Reducing Insert Type 2 Price List 6

Price In UAE (Dirham) 6

Price In US (Dollar) 6

Price In South African Rand (South Africa) 6

MSS SP-79 Socket Weld Reducer Insert Wall Thickness 7

MSS SP 79 Dimensions 7-11

Class 3000 Reducer Insert Weight 12

Class 6000 Reducer Insert Weight 12

Class 9000 Reducer Insert Weight 12

ARMECH ALLOYS

MSS SP-79 Reducer Insert manufacturer in India offers 3000 LB To 9000 LB Available in Type 1 & Type 2 in NPT/ BSPT threads.

Reducing Insert Type 2 Available in 1/2" To 4".

MSS SP-79 Reducer Insert Size Chart

Size in MM	Size in Inch
DN8	1/4
DN10	3/8
DN15	1/2
DN20	3/4
DN25	1
DN32	1 1/4
DN40	1 1/2
DN50	2
DN65	2 1/2
DN80	3
DN100	4

Specification Of Reducing insert MSS SP 79 As Per Class 3000 and 9000.

MSS SP-79 Specification

Standard MSS SP-79	**Size Range** DN8 To DN100	**Pressure Ratings** Class 3000, 6000, 9000
Welding TIG/ SMAW Welding	**Raw Material** Seamless Pipe Welded Pipe Round Bar	**Types** Reducer Insert
Finish Free Of Sharp Burrs	**Process Method** Forged CNC Machined	**Material** Stainless Steel Carbon Steel Alloy Steel
Wall Thickness SCH80/XS SCH 160	**Testing** Proof Testing	**Forming** Hot Formed Cold Formed

MSS SP-79 Reducing Insert Type 2 Price List

- Class : 3000#
- Material : ASTM A105
- Reducer Inserts : Types 2

Size X Reducing Size	Price in US (Dollar)	Price in UAE (Dirham)	Price in South African Rand (South Africa)
0.50 X 0.125	US $7.20	AED 26.45	ZAR 125.05
0.75 X 0.25	US $8.48	AED 31.15	ZAR 147.29
1 X 0.25	US $9.37	AED 34.42	ZAR 162.74
1.25 X 0.5	US $11.17	AED 41.03	ZAR 194.01
1.5 X 0.75	US $14.22	AED 52.23	ZAR 246.98
2 X 0.5	US $17.84	AED 65.53	ZAR 309.86
2.5 X 1	US $24.59	AED 90.32	ZAR 427.10
3 X 1.25	US $30.40	AED 111.66	ZAR 528.01

MSS SP-79 Socket Welding Reducer Inserts in Schedule 40/ 80 and SCH 160

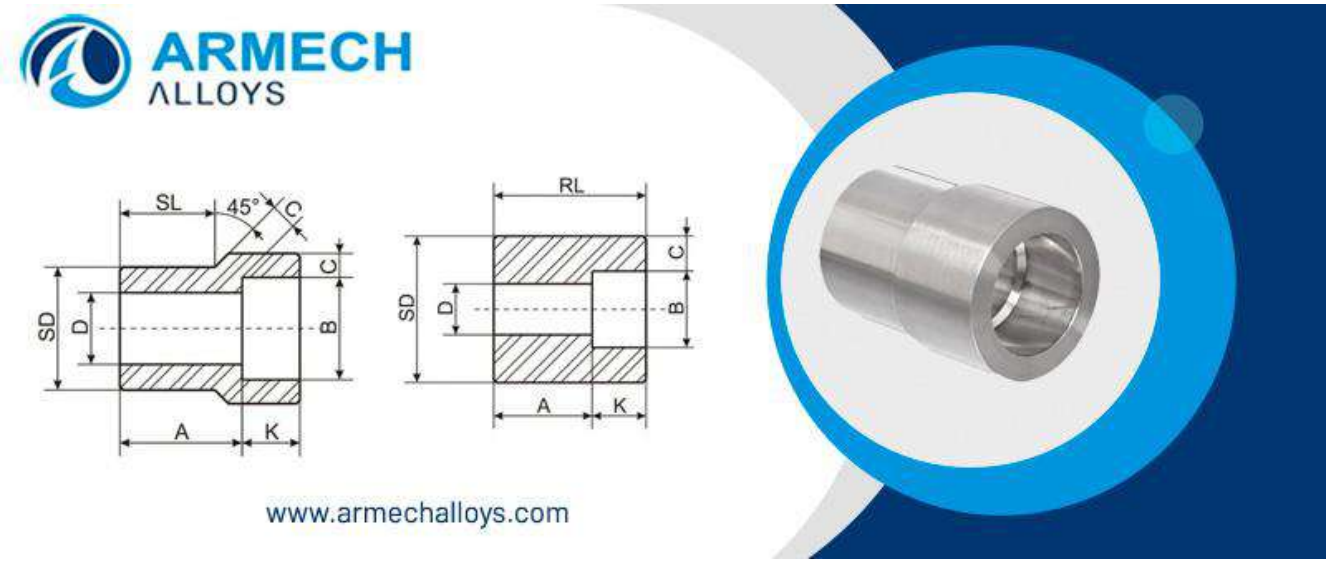
MSS SP-79 Socket Weld Reducer Insert Wall Thickness

Size	Class	Thickness	Wall Designation
3/8" To 4"	Class 3000	SCH 80	XS
3/8" To 3"	Class 6000	SCH 160	-

Check MSS SP 79 Dimensions in Type 1 and Type 2

Armech Alloys produces high quality forged steel threaded fittings in 1/4" To12" in Class 3000, 1/4" To 6" in Class 6000 and 1/4" To 4" in Class 9000. This MSS SP 79 standard covers size, pressure ratings, welding, finish, dimensions, and material.

MSS SP 79 Dimensions



Size	Wall Minimum (C)		Socket		Shank	Type	
in			Depth	Diameter	Diameter		
Inch			Minimum	-	SD		
	Class 3000	Class 6000	K	B		Class 3000	Class 6000
3/8″×1/4″	3.78	4.6	10	14.35	17.15	1	1
1/2″×3/8″	4.01	5.03	10	17.78	21.34	1	1
1/2″×1/4″	3.78	4.6	10	14.35	21.34	1	1
3/4″×1/2″	4.67	5.97	10	21.97	26.67	1	1
3/4″×3/8″	4.01	5.03	10	17.78	26.67	2	1
3/4″×1/4″	3.78	4.6	10	14.35	26.67	2	2
1″×1/4″	3.78	4.6	10	14.35	33.4	2	2
1-1/4″×1″	5.69	7.92	13	34.04	42.16	1	1
1-1/4″×3/4″	4.9	6.96	13	27.31	42.16	2	2
1-1/4″×3/8″	4.01	5.03	10	17.78	42.16	2	2
1-1/4″×1/4″	3.78	4.6	10	14.35	42.16	2	2
1-1/2″×1-1/4″	6.07	7.92	13	42.8	48.26	1	1
1-1/2″×1″	5.69	7.92	13	34.04	48.26	2	1
1-1/2″×3/4″	4.9	6.96	13	27.31	48.26	2	2
1-1/2″×1/2″	4.67	5.97	10	21.97	48.26	2	2
1-1/2″×3/8″	4.01	5.03	10	17.78	48.26	2	2

2″×1-1/2″	6.35	8.9	13	48.9	60.32	1	1
2″×1-1/4″	6.07	7.92	13	42.8	60.32	2	2
2″×1″	5.69	7.92	13	34.04	60.32	2	2
2″×3/4″	4.9	6.96	13	27.31	60.32	2	2
2″×1/2″	4.67	5.97	10	21.97	60.32	2	2
2-1/2″×2″	6.93	10.92	16	61.37	73.02	1	1
2-1/2″×1-1/2″	6.35	-	13	48.9	73.02	2	2
2-1/2″×1-1/4″	6.07	-	13	42.8	73.02	2	2
2-1/2″×1″	5.69	-	13	34.04	73.02	2	2
2-1/2″×3/4″	4.9	-	13	27.31	73.02	2	2
3″×2-1/2″	8.76	-	16	74.07	88.9	1	1
3″×2″	6.93	-	16	61.37	88.9	2	2
3″×1-1/2″	6.35	-	13	48.9	88.9	2	2
3″×1″	5.69	-	13	34.04	88.9	2	2
4″×3″	9.5	-	16	90.04	114.3	2	-
4″×2-1/2″	8.76	-	16	74.07	114.3	2	-
4″×2″	6.93	-	16	61.37	114.3	2	-
4″×1-1/2″	6.35	-	13	48.9	114.3	2	-
4″×1-1/4″	6.07	-	13	42.8	114.3	2	-

Size	Laying Length		Bore		Length			
in	A		D		RL(Min.)		SL	
Inch								
	CL 3000	CL 6000	3000#	6000#	CL 3000	CL 6000	3000#	6000#
3/8"×1/4"	19	21	9	6.5	-	-	14	16
1/2"×3/8"	21	23	12.5	9	-	-	16	16
1/2"×1/4"	21	21	9	6.5	-	-	16	16
3/4"×1/2"	22	25	16	11.5	-	-	17	19
3/4"×3/8"	16	22	12.5	9	27		-	19
3/4"×1/4"	18	22	9	6.5	27	32	-	-
1"×3/4"	24	28	21	15.5	-	-	19	21
1"×1/2"	16	28	16	11.5	28	-	-	21
1"×3/8"	18	22	12.5	9	28	33	-	-
1"×1/4"	19	24	9	6.5	28	33	-	-
1-1/4"×1"	25	30	26.5	20.5	-	-	21	22
1-1/4"×3/4"	18	21	21	15.5	32	35	-	-
1-1/4"×1/2"	19	22	16	11.5	32	35	-	-
1-1/4"×3/8"	21	24	12.5	9	32	35	-	-
1-1/4"×1/4"	22	25	9	6.5	32	35	-	-
1-1/2"×1-1/4"	28	35	35	29.5	-	-	22	25
1-1/2"×1"	18	29	26.5	20.5	33	-	-	25
1-1/2"×3/4"	19	25	21	15.5	33	40	-	-
1-1/2"×1/2"	21	27	16	11.5	33	40	-	-
1-1/2"×3/8"	22	28	12.5	9	33	40	-	-

2″×1-1/2″	32	39	41	34	-	-	25	28
2″×1-1/4″	21	24	35	29.5	38	41	-	-
2″×1″	22	25	26.5	21	38	41	-	-
2″×3/4″	24	27	21	15.5	38	41	-	-
2″×1/2″	25	28	16	11.5	38	41	-	-
2-1/2″×2″	46	43	52.5	43	-	-	32	38
2-1/2″×1-1/2″	35	35	41	34	54	54	-	-
2-1/2″×1-1/4″	37	37	35	29.5	54	54	-	-
2-1/2″×1″	38	38	26.5	21	54	54	-	-
2-1/2″×3/4″	40	38	21	15.5	54	54	-	-
3″×2-1/2″	38	57	62.5	54	-	-	32	45
3″×2″	25	32	52.5	43	48	54	-	-
3″×1-1/2″	29	32	41	34	48	54	-	-
3″×1-1/4″	30	32	35	29.5	48	54	-	-
3″×1″	32	32	26.5	21	48	54	-	-
4″×3″	33	-	78	-	60	-	-	-
4″×2-1/2″	38	-	62.5	-	60	-	-	-
4″×2″	38	-	52.5	-	60	-	-	-
4″×1-1/2″	42	-	41	-	60	-	-	-
4″×1-1/4″	43	-	35	-	60	-	-	-

Class 3000 Reducer Insert Weight

Size	3000# Socket Weld Reducer Insert										
	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
KG	0.063	0.095	0.1496	0.249	0.403	0.630	0.771	1.40	2.08	2.95	5.31

Class 6000 Reducer Insert Weight

Size	6000# Socket Welding Reducer Inserts										
	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
KG	0.090	0.145	0.240	0.371	0.521	0.821	0.979	2.32	3.17	4.34	6.72

Class 9000 Reducer Insert Weight

Size	9000# Reducing Insert Type 2									
	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
KG	0.249	0.344	0.508	0.875	1.025	1.20	2.27	3.58	5.38	8.12