

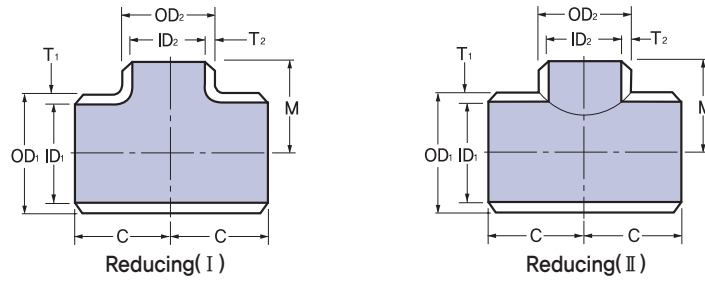
# WROUGHT STEEL BUTT-WELDING FITTING

## • Reducing Tee

STD, Sch40, X-S, Sch80  
Sch160, XX-S

ASME B16.9

Nominal Pipe Size	Outside Diameter		Center-to-End		STD		Sch 40	
	OD <sub>1</sub>	OD <sub>2</sub>	Run C	Outlet M	T <sub>1</sub>	T <sub>2</sub>	T <sub>1</sub>	T <sub>2</sub>
8 × 8 × 6	8.625	6.625	7.00	6.62	0.322	0.280	0.322	0.028
8 × 8 × 5	8.625	5.563	7.00	6.38	0.322	0.258	0.322	0.258
8 × 8 × 4	8.625	4.500	7.00	6.12	0.322	0.237	0.322	0.237
8 × 8 × 3 ½	8.625	4.000	7.00	6.00	0.322	0.226	0.322	0.226
10 × 10 × 8	10.750	8.625	8.50	8.00	0.365	0.322	0.365	0.322
10 × 10 × 6	10.750	6.625	8.50	7.62	0.365	0.280	0.365	0.280
10 × 10 × 5	10.750	5.563	8.50	7.50	0.365	0.258	0.365	0.258
10 × 10 × 4	10.750	4.500	8.50	7.25	0.365	0.237	0.365	0.237
12 × 12 × 10	12.750	10.750	10.00	9.50	0.375	0.365	0.406	0.365
12 × 12 × 8	12.750	8.625	10.00	9.00	0.375	0.322	0.406	0.322
12 × 12 × 6	12.750	6.625	10.00	8.62	0.375	0.280	0.406	0.280
12 × 12 × 5	12.750	5.563	10.00	8.50	0.375	0.258	0.406	0.258
14 × 14 × 12	14.000	12.750	11.00	10.62	0.375	0.375	0.438	0.406
14 × 14 × 10	14.000	10.750	11.00	10.12	0.375	0.365	0.438	0.365
14 × 14 × 8	14.000	8.625	11.00	9.75	0.375	0.322	0.438	0.322
14 × 14 × 6	14.000	6.625	11.00	9.38	0.375	0.280	0.438	0.280
16 × 16 × 14	16.000	14.000	12.00	12.00	0.375	0.375	0.500	0.438
16 × 16 × 12	16.000	12.750	12.00	11.62	0.375	0.375	0.500	0.406
16 × 16 × 10	16.000	10.750	12.00	11.12	0.375	0.365	0.500	0.365
16 × 16 × 8	16.000	8.625	12.00	10.75	0.375	0.322	0.500	0.322
16 × 16 × 6	16.000	6.625	12.00	10.38	0.375	0.280	0.500	0.280
18 × 18 × 16	18.000	16.000	13.50	13.00	0.375	0.375	0.562	0.500
18 × 18 × 14	18.000	14.000	13.50	13.00	0.375	0.375	0.562	0.438
18 × 18 × 12	18.000	12.750	13.50	12.62	0.375	0.375	0.562	0.406
18 × 18 × 10	18.000	10.750	13.50	12.12	0.375	0.365	0.562	0.365
18 × 18 × 8	18.000	8.625	13.50	11.75	0.375	0.322	0.562	0.322
20 × 20 × 18	20.000	18.000	15.00	14.50	0.375	0.375	0.594	0.562
20 × 20 × 16	20.000	16.000	15.00	14.00	0.375	0.375	0.594	0.500
20 × 20 × 14	20.000	14.000	15.00	14.00	0.375	0.375	0.594	0.438
20 × 20 × 12	20.000	12.750	15.00	13.62	0.375	0.375	0.594	0.406
20 × 20 × 10	20.000	10.750	15.00	13.12	0.375	0.365	0.594	0.365
20 × 20 × 8	20.000	8.620	15.00	12.75	0.375	0.322	0.594	0.322
22 × 22 × 20	22.000	20.000	16.50	16.00	0.375	0.375	0.594	0.594
22 × 22 × 18	22.000	18.000	16.50	15.50	0.375	0.375	0.594	0.562
22 × 22 × 16	22.000	16.000	16.50	15.00	0.375	0.375	0.594	0.500
22 × 22 × 14	22.000	14.000	16.50	15.00	0.375	0.375	0.594	0.438
22 × 22 × 12	22.000	12.750	16.50	14.62	0.375	0.375	0.594	0.406
22 × 22 × 10	22.000	10.750	16.50	14.12	0.375	0.365	0.594	0.365
24 × 24 × 22	24.000	22.000	17.00	17.00	0.375	0.375	-	-
24 × 24 × 20	24.000	20.000	17.00	17.00	0.375	0.375	0.688	0.594
24 × 24 × 18	24.000	18.000	17.00	16.50	0.375	0.375	0.688	0.562
24 × 24 × 16	24.000	16.000	17.00	16.00	0.375	0.375	0.688	0.500
24 × 24 × 14	24.000	14.000	17.00	16.00	0.375	0.375	0.688	0.438
24 × 24 × 12	24.000	12.750	17.00	15.62	0.375	0.375	0.688	0.406
24 × 24 × 10	24.000	10.750	17.00	15.12	0.375	0.365	0.688	0.365



Unit : inch

X-S		Sch80		Sch160		XX-S		Nominal Pipe Size
T <sub>1</sub>	T <sub>2</sub>	T <sub>1</sub>	T <sub>2</sub>	T <sub>1</sub>	T <sub>2</sub>	T <sub>1</sub>	T <sub>2</sub>	
0.500	0.432	0.500	0.432	0.906	0.719	0.875	0.864	8 × 8 × 6
0.500	0.375	0.500	0.375	0.906	0.625	0.875	0.750	8 × 8 × 5
0.500	0.318	0.500	0.318	0.906	0.531	0.875	0.674	8 × 8 × 4
0.500	0.300	0.500	0.300	-	-	-	-	8 × 8 × 3 1/2
0.500	0.500	0.594	0.500	1.125	0.906	1.000	0.875	10 × 10 × 8
0.500	0.432	0.594	0.432	1.125	0.719	1.000	0.864	10 × 10 × 6
0.500	0.375	0.594	0.375	1.125	0.625	1.000	0.750	10 × 10 × 5
0.500	0.318	0.594	0.318	1.125	0.531	1.000	0.674	10 × 10 × 4
0.500	0.500	0.688	0.594	1.312	1.125	1.000	1.000	12 × 12 × 10
0.500	0.500	0.688	0.500	1.312	0.906	1.000	0.875	12 × 12 × 8
0.500	0.432	0.688	0.432	1.312	0.719	1.000	0.864	12 × 12 × 6
0.500	0.375	0.688	0.375	1.312	0.625	1.000	0.750	12 × 12 × 5
0.500	0.500	0.750	0.688	1.406	1.312	-	-	14 × 14 × 12
0.500	0.500	0.750	0.594	1.406	1.125	-	-	14 × 14 × 10
0.500	0.500	0.750	0.500	1.406	0.906	-	-	14 × 14 × 8
0.500	0.432	0.750	0.432	1.406	0.719	-	-	14 × 14 × 6
0.500	0.500	0.844	0.750	1.594	1.406	-	-	16 × 16 × 14
0.500	0.500	0.844	0.688	1.594	1.312	-	-	16 × 16 × 12
0.500	0.500	0.844	0.594	1.594	1.125	-	-	16 × 16 × 10
0.500	0.500	0.844	0.500	1.594	0.906	-	-	16 × 16 × 8
0.500	0.432	0.844	0.432	1.594	0.719	-	-	16 × 16 × 6
0.500	0.500	0.938	0.844	1.781	1.594	-	-	18 × 18 × 16
0.500	0.500	0.938	0.750	1.781	1.406	-	-	18 × 18 × 14
0.500	0.500	0.938	0.688	1.781	1.312	-	-	18 × 18 × 12
0.500	0.500	0.938	0.594	1.781	1.125	-	-	18 × 18 × 10
0.500	0.500	0.938	0.500	1.781	0.906	-	-	18 × 18 × 8
0.500	0.500	1.031	0.938	1.969	1.781	-	-	20 × 20 × 18
0.500	0.500	1.031	0.844	1.969	1.594	-	-	20 × 20 × 16
0.500	0.500	1.031	0.750	1.969	1.406	-	-	20 × 20 × 14
0.500	0.500	1.031	0.688	1.969	1.312	-	-	20 × 20 × 12
0.500	0.500	1.031	0.594	1.969	1.125	-	-	20 × 20 × 10
0.500	0.500	1.031	0.500	1.969	0.906	-	-	20 × 20 × 8
0.500	0.500	1.125	1.031	2.125	1.969	-	-	22 × 22 × 20
0.500	0.500	1.125	0.938	2.125	1.781	-	-	22 × 22 × 18
0.500	0.500	1.125	0.844	2.125	1.594	-	-	22 × 22 × 16
0.500	0.500	1.125	0.750	2.125	1.406	-	-	22 × 22 × 14
0.500	0.500	1.125	0.688	2.125	1.312	-	-	22 × 22 × 12
0.500	0.500	1.125	0.594	2.125	1.125	-	-	22 × 22 × 10
0.500	0.500	1.219	1.125	2.344	2.125	-	-	24 × 24 × 22
0.500	0.500	1.219	1.031	2.344	1.969	-	-	24 × 24 × 20
0.500	0.500	1.219	0.938	2.344	1.781	-	-	24 × 24 × 18
0.500	0.500	1.219	0.844	2.344	1.594	-	-	24 × 24 × 16
0.500	0.500	1.219	0.750	2.344	1.406	-	-	24 × 24 × 14
0.500	0.500	1.219	0.688	2.344	1.312	-	-	24 × 24 × 12
0.500	0.500	1.219	0.594	2.344	1.125	-	-	24 × 24 × 10