

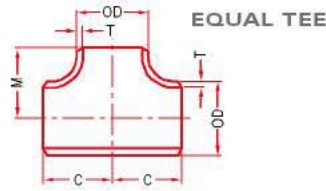
# CARBON STEEL



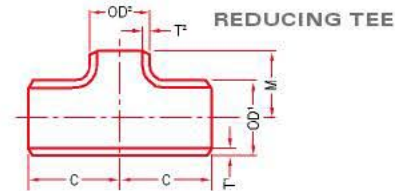
## STEEL BUTT-WELDING PIPE FITTINGS

### TEES

### SGP, SCH 40, SCH 80



EQUAL TEE



REDUCING TEE

### DIMENSIONS

Unit: mm

Nominal Pipe Size	Outside Diameter (OD)		Wall Thickness, T						C	M	Approx. Weight (kg)		
	OD1	OD2	SGP		SCH 40		SCH 80				SGP	SCH 40	SCH 80
			T1	T2	T1	T2	T1	T2					
1/2"	21.7	21.7	2.8	2.8	2.8	2.8	3.7	3.7	25.4	25.4	0.058	0.085	0.107
3/4"	27.2	27.2	2.8	2.8	2.9	2.9	3.9	3.9	28.6	28.6	0.12	0.12	0.162
3/4" X 3/4" X 1/2"	27.2	21.7	2.8	2.8	2.9	2.8	3.9	3.7	28.6	28.6	0.116	0.119	0.153
1"	34	34	3.2	3.2	3.4	3.4	4.5	4.5	38.1	38.1	0.236	0.25	0.319
1" X 1" X 3/4"	34	27.2	3.2	2.8	3.4	2.9	4.5	3.9	38.1	38.1	0.221	0.232	0.297
1" X 1" X 1/2"	34	21.7	3.2	2.8	3.4	2.8	4.5	3.7	38.1	38.1	0.213	0.223	0.284
1 1/4"	42.7	42.7	3.5	3.5	3.6	3.6	4.9	4.9	47.6	47.6	0.411	0.422	0.555
1 1/4" X 1 1/4" X 1"	42.7	34	3.5	3.2	3.6	3.4	4.9	4.5	47.6	47.6	0.386	0.398	0.521
1 1/4" X 1 1/4" X 3/4"	42.7	27.2	3.5	2.8	3.6	2.9	4.9	3.9	47.6	47.6	0.366	0.376	0.494
1 1/2"	48.6	48.6	3.5	3.5	3.7	3.7	5.1	5.1	57.2	57.2	0.573	0.604	0.806
1 1/2" X 1 1/2" X 1 1/4"	48.6	42.7	3.5	3.5	3.7	3.6	5.1	4.9	57.2	57.2	0.557	0.583	0.776
1 1/2" X 1 1/2" X 1"	48.6	34	3.5	3.2	3.7	3.4	5.1	4.5	57.2	57.2	0.525	0.553	0.734
1 1/2" X 1 1/2" X 3/4"	48.6	27.2	3.5	2.8	3.7	2.9	5.1	3.9	57.2	57.2	0.501	0.526	0.7
2"	60.5	60.5	3.8	3.8	3.9	3.9	5.5	5.5	63.5	63.5	0.851	0.872	1.2
2" X 2" X 1 1/2"	60.5	48.6	3.8	3.5	3.9	3.7	5.5	5.1	63.5	60.3	0.792	0.814	1.11
2" X 2" X 1 1/4"	60.5	42.7	3.8	3.5	3.9	3.6	5.5	4.9	63.5	57.2	0.766	0.785	1.07
2" X 2" X 1"	60.5	34	3.8	3.2	3.9	3.4	5.5	4.5	63.5	50.8	0.725	0.74	1.01
2 1/2"	76.3	76.3	4.2	4.2	5.2	5.2	7	7	76.2	76.2	1.42	1.74	2.28
2 1/2" X 2 1/2" X 2"	76.3	60.5	4.2	3.8	5.2	3.9	7	5.5	76.2	69.9	1.31	1.56	2.06
2 1/2" X 2 1/2" X 1 1/2"	76.3	48.6	4.2	3.5	5.2	3.7	7	5.1	76.2	66.7	1.25	1.51	1.98
2 1/2" X 2 1/2" X 1 1/4"	76.3	42.7	4.2	3.5	5.2	3.6	7	4.9	76.2	63.5	1.22	1.48	1.94
3"	89.1	89.1	4.2	4.2	5.5	5.5	7.6	7.6	85.7	85.7	1.87	2.41	3.25
3" X 3" X 2 1/2"	89.1	76.3	4.2	4.2	5.5	5.2	7.6	7	85.7	82.6	1.79	2.29	3.07
3" X 3" X 2"	89.1	60.5	4.2	3.8	5.5	3.9	7.6	5.5	85.7	76.2	1.68	2.12	2.85
3" X 3" X 1 1/2"	89.1	48.6	4.2	3.5	5.5	3.7	7.6	5.1	85.7	73	1.62	2.06	2.77
4"	114.3	114.3	4.5	4.5	6	6	8.6	8.6	104.8	104.8	3.13	4.12	5.77
4" X 4" X 3"	114.3	89.1	4.5	4.2	5.5	5.5	8.6	7.6	104.8	98.4	2.92	3.83	5.33
4" X 4" X 2 1/2"	114.3	76.3	4.5	4.2	5.5	5.2	8.6	7	104.8	95.3	2.72	3.71	5.15
4" X 4" X 2"	114.3	60.5	4.5	3.8	5.5	3.9	8.6	5.5	104.8	88.9	2.48	3.53	4.94
5"	139.8	139.8	4.5	4.5	6.6	6.6	9.5	9.5	123.8	123.8	4.53	6.54	9.2
5" X 5" X 4"	139.8	114.3	4.5	4.5	6.6	6	9.5	8.6	123.8	117.5	4.3	6.13	8.63
5" X 5" X 3"	139.8	89.1	4.5	4.2	6.6	5.5	9.5	7.6	123.8	111.1	4.08	5.83	8.19
5" X 5" X 2 1/2"	139.8	76.3	4.5	4.2	6.6	5.2	9.5	7	123.8	108	4	5.72	8.01
5" X 5" X 2"	139.8	60.5	4.5	3.8	-	-	-	-	123.8	104.8	3.9	-	-
6"	165.2	165.2	5	5	7.1	7.1	11	11	142.9	142.9	6.84	9.58	14.5
6" X 6" X 5"	165.2	139.8	5	4.5	7.1	6.6	11	9.5	142.9	136.5	6.45	9.08	13.6
6" X 6" X 4"	165.2	141.3	5	4.5	7.1	6	11	8.6	142.9	130.2	6.23	8.68	13
6" X 6" X 3"	165.2	89.1	5	4.2	7.1	5.5	11	7.6	142.9	123.8	6.01	8.38	12.6
6" X 6" X 2 1/2"	165.2	76.3	5	4.2	-	-	-	-	142.9	120.7	5.95	-	-
8"	216.3	216.3	5.8	5.8	8.2	8.2	12.7	12.7	177.8	177.8	12.8	17.9	27.1
8" X 8" X 6"	216.3	165.2	5.8	5	8.2	7.1	12.7	11	177.8	168.3	11.9	16.6	25.2
8" X 8" X 5"	216.3	139.8	5.8	4.5	8.2	6.6	12.7	9.5	177.8	161.9	11.5	16.1	24.3
8" X 8" X 4"	216.3	114.3	5.8	4.5	8.2	6	12.7	8.6	177.8	155.6	11.3	15.7	23.7
10"	267.4	267.4	6.6	6.6	9.3	9.3	15.1	15.1	215.9	215.9	21.8	30.4	48.3
10" X 10" X 8"	267.4	216.3	6.6	5.8	9.3	8.2	15.1	12.7	215.9	203.2	20.4	28.5	45
10" X 10" X 6"	267.4	165.2	6.6	5	9.3	7.1	15.1	11	215.9	193.7	19.5	27.2	43.2
10" X 10" X 5"	267.4	139.8	6.6	4.5	9.3	6.6	15.1	9.5	215.9	190.5	19.2	26.8	42.3
12"	318.5	318.5	6.9	6.9	10.3	10.3	17.4	17.4	254	254	32	47.2	77.9
12" X 12" X 10"	318.5	267.4	6.9	6.6	10.3	9.3	17.4	15.1	254	241.3	30.4	44.6	73.3
12" X 12" X 8"	318.5	216.3	6.9	5.8	10.3	8.2	17.4	12.7	254	228.6	29	42.7	70.1
12" X 12" X 6"	318.5	165.2	6.9	5	10.3	7.1	17.4	11	254	219.1	28.1	41.4	68.1
14"	355.6	355.2	7.9	7.9	11.1	11.1	19	19	279.4	279.4	44.7	62.3	105
14" X 14" X 12"	355.6	318.5	7.9	6.9	11.1	10.3	19	17.4	279.4	269.9	42.7	59.9	100
14" X 14" X 10"	355.6	267.4	7.9	6.6	11.1	9.3	19	15.1	279.4	257.2	41.2	57.4	96
14" X 14" X 8"	355.6	216.3	7.9	6.8	11.1	8.2	19	12.7	279.4	247.7	40	55.6	93
16"	406.4	406.4	7.9	7.9	12.7	12.7	21.4	21.4	304.8	304.8	55.2	87.7	144
16" X 16" X 14"	406.4	355.6	7.9	7.9	12.7	10.3	21.4	19	304.8	304.8	54.2	84.7	140
16" X 16" X 12"	406.4	318.5	7.9	6.9	12.7	10.3	21.4	17.4	304.8	295.3	52.2	82.3	136
16" X 16" X 10"	406.4	267.4	7.9	6.6	12.7	9.3	21.4	15.1	304.8	282.6	50.7	79.8	131
18"	457.2	457.2	7.9	7.9	14.3	14.3	23.8	23.8	342.9	342.9	70	125	204
18" X 18" X 16"	457.2	406.4	7.9	7.9	14.3	12.7	23.8	21.4	342.9	330.2	67.9	120	195
18" X 18" X 14"	457.2	355.6	7.9	7.9	14.3	11.1	23.8	19	342.9	330.2	66.9	117	191
18" X 18" X 12"	457.2	318.5	7.9	6.9	14.3	10.3	23.8	17.4	342.9	320.7	64.9	114	186
20"	508.6	508	7.9	7.9	15.1	15.1	26.2	26.2	381	381	86.6	163	277
20" X 20" X 18"	508.6	457.2	7.9	7.9	15.1	14.3	26.2	23.8	381	368.3	84.2	158	266
20" X 20" X 16"	508.6	406.4	7.9	7.9	15.1	12.7	26.2	21.4	381	355.6	82.1	152	258
20" X 20" X 14"	508.6	355.6	7.9	7.9	15.1	11.1	26.2	19	381	355.6	81.1	149	253

• Dimensions Conform to KS B 1522 (JIS B 2311), KS B 1541 (JIS B 2312) Specifications



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