

STEEL BUTT-WELDING PIPE FITTINGS

KS | JIS

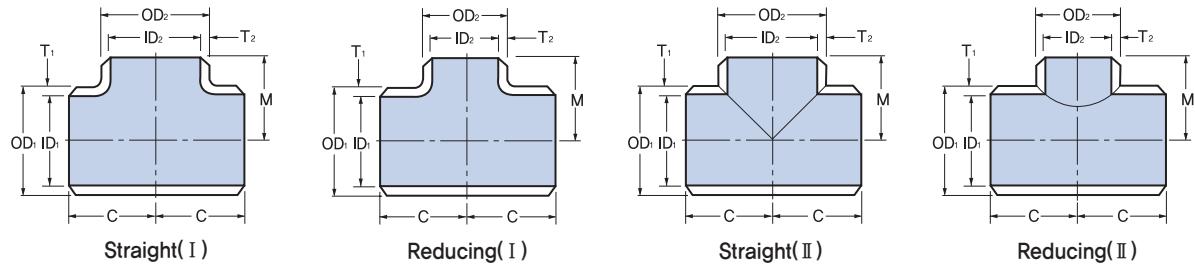
• Tee

SPP/SGP

KS B 1522, JIS B 2311

Unit : mm

Nominal Pipe Size	Run			Outlet			Center to End	
	Outside Dia. OD ₁	Inside Dia. ID ₁	Wall Thick. T ₁	Outside Dia. OD ₂	Inside Dia. ID ₂	Wall Thick. T ₂	C	M
15	21.7	16.1	2.8	21.7	16.1	2.8	25.4	25.4
20	27.2	21.6	2.8	27.2	21.6	2.8	28.6	28.6
20 × 20 × 15	27.2	21.6	2.8	21.7	16.1	2.8	28.6	28.6
25	34.0	27.6	3.2	34.0	27.6	3.2	38.1	38.1
25 × 25 × 20	34.0	27.6	3.2	27.2	21.6	2.8	38.1	38.1
25 × 25 × 15	34.0	27.6	3.2	21.7	16.1	2.8	38.1	38.1
32	42.7	35.7	3.5	42.7	35.7	3.5	47.6	47.6
32 × 32 × 25	42.7	35.7	3.5	34.0	27.6	3.2	47.6	47.6
32 × 32 × 20	42.7	35.7	3.5	27.2	21.6	2.8	47.6	47.6
32 × 32 × 15	42.7	35.7	3.5	21.7	16.1	2.8	47.6	47.6
40	48.6	41.6	3.5	48.6	41.6	3.5	57.2	57.2
40 × 40 × 32	48.6	41.6	3.5	42.7	35.7	3.5	57.2	57.2
40 × 40 × 25	48.6	41.6	3.5	34.0	27.6	3.2	57.2	57.2
40 × 40 × 20	48.6	41.6	3.5	27.2	21.6	2.8	57.2	57.2
40 × 40 × 15	48.6	41.6	3.5	21.7	16.1	2.8	57.2	57.2
50	60.5	52.9	3.8	60.5	52.9	3.8	63.5	63.5
50 × 50 × 40	60.5	52.9	3.8	48.6	41.6	3.5	63.5	60.3
50 × 50 × 32	60.5	52.9	3.8	42.7	35.7	3.5	63.5	57.2
50 × 50 × 25	60.5	52.9	3.8	34.0	27.6	3.2	63.5	50.8
50 × 50 × 20	60.5	52.9	3.8	27.2	21.6	2.8	63.5	44.5
65	76.3	67.9	4.2	76.3	67.9	4.2	76.2	76.2
65 × 65 × 50	76.3	67.9	4.2	60.5	52.9	3.8	76.2	69.9
65 × 65 × 40	76.3	67.9	4.2	48.6	41.6	3.5	76.2	66.7
65 × 65 × 32	76.3	67.9	4.2	42.7	35.7	3.5	76.2	63.5
65 × 65 × 25	76.3	67.9	4.2	34.0	27.6	3.2	76.2	57.2
80	89.1	80.7	4.2	89.1	80.7	4.2	85.7	85.7
80 × 80 × 65	89.1	80.7	4.2	76.3	67.9	4.2	85.7	82.6
80 × 80 × 50	89.1	80.7	4.2	60.5	52.9	3.8	85.7	76.2
80 × 80 × 40	89.1	80.7	4.2	48.6	41.6	3.5	85.7	73.0
80 × 80 × 32	89.1	80.7	4.2	42.7	35.7	3.5	85.7	69.9
90	101.6	93.2	4.2	101.6	93.2	4.2	95.3	95.3
90 × 90 × 80	101.6	93.2	4.2	89.1	80.7	4.2	95.3	92.1
90 × 90 × 65	101.6	93.2	4.2	76.3	67.9	4.2	95.3	88.9
90 × 90 × 50	101.6	93.2	4.2	60.5	52.9	3.8	95.3	82.6
90 × 90 × 40	101.6	93.2	4.2	48.6	41.6	3.5	95.3	79.4
100	114.3	105.3	4.5	114.3	105.3	4.5	104.8	104.8
100 × 100 × 90	114.3	105.3	4.5	101.6	93.2	4.2	104.8	101.6
100 × 100 × 80	114.3	105.3	4.5	89.1	80.7	4.2	104.8	98.4
100 × 100 × 65	114.3	105.3	4.5	76.3	67.9	4.2	104.8	95.3
100 × 100 × 50	114.3	105.3	4.5	60.5	52.9	3.8	104.8	88.9
100 × 100 × 40	114.3	105.3	4.5	48.6	41.6	3.5	104.8	85.7
125	139.8	130.8	4.5	139.8	130.8	4.5	123.8	123.8
125 × 125 × 100	139.8	130.8	4.5	114.3	105.3	4.5	123.8	117.5
125 × 125 × 90	139.8	130.8	4.5	101.6	93.2	4.2	123.8	114.3
125 × 125 × 80	139.8	130.8	4.5	89.1	80.7	4.2	123.8	111.1
125 × 125 × 65	139.8	130.8	4.5	76.3	67.9	4.2	123.8	108.0
125 × 125 × 50	139.8	130.8	4.5	60.5	52.9	3.8	123.8	104.8



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Unit : mm

Nominal Pipe Size	Run			Outlet			Center to End	
	Outside Dia. OD ₁	Inside Dia. ID ₁	Wall Thick. T ₁	Outside Dia. OD ₂	Inside Dia. ID ₂	Wall Thick. T ₂	C	M
150	165.2	155.2	5.0	165.2	155.2	5.0	142.9	142.9
150 × 150 × 125	165.2	155.2	5.0	139.8	130.8	4.5	142.9	136.5
150 × 150 × 100	165.2	155.2	5.0	114.3	105.3	4.5	142.9	130.2
150 × 150 × 90	165.2	155.2	5.0	101.6	93.2	4.2	142.9	127.0
150 × 150 × 80	165.2	155.2	5.0	89.1	80.7	4.2	142.9	123.8
150 × 150 × 65	165.2	155.2	5.0	76.3	67.9	4.2	142.9	120.7
200	216.3	204.7	5.8	216.3	204.7	5.8	177.8	177.8
200 × 200 × 150	216.3	204.7	5.8	165.2	155.2	5.0	177.8	168.3
200 × 200 × 125	216.3	204.7	5.8	139.8	130.8	4.5	177.8	161.9
200 × 200 × 100	216.3	204.7	5.8	114.3	105.3	4.5	177.8	155.6
200 × 200 × 100	216.3	204.7	5.8	101.6	93.2	4.2	177.8	152.4
250	267.4	254.2	6.6	267.2	254.2	6.6	215.9	215.9
250 × 250 × 200	267.4	254.2	6.6	216.3	204.7	5.8	215.9	203.2
250 × 250 × 150	267.4	254.2	6.6	165.2	155.2	5.0	215.9	193.7
250 × 250 × 125	267.4	254.2	6.6	139.8	130.8	4.5	215.9	190.5
250 × 250 × 100	267.4	254.2	6.6	114.3	105.3	4.5	215.9	184.2
300	318.5	304.7	6.9	318.5	304.7	6.9	254.0	254.0
300 × 300 × 250	318.5	304.7	6.9	267.4	254.2	6.6	254.0	241.3
300 × 300 × 200	318.5	304.7	6.9	216.3	204.7	5.8	254.0	228.6
300 × 300 × 150	318.5	304.7	6.9	165.2	155.2	5.0	254.0	219.1
300 × 300 × 125	318.5	304.7	6.9	139.8	130.8	4.5	254.0	215.9
350	355.6	339.8	7.9	355.6	339.8	7.9	279.4	279.4
350 × 230 × 300	355.6	339.8	7.9	318.5	304.7	6.9	279.4	269.9
350 × 230 × 250	355.6	339.8	7.9	267.4	254.2	6.6	279.4	257.2
350 × 230 × 200	355.6	339.8	7.9	216.3	204.7	5.8	279.4	247.7
350 × 230 × 150	355.6	339.8	7.9	165.2	155.2	5.0	279.4	238.1
400	406.4	390.6	7.9	406.4	390.6	7.9	304.8	304.8
400 × 400 × 350	406.4	390.6	7.9	355.6	339.8	7.9	304.8	304.8
400 × 400 × 300	406.4	390.6	7.9	318.5	304.7	6.9	304.8	295.3
400 × 400 × 250	406.4	390.6	7.9	267.4	254.2	6.6	304.8	282.6
400 × 400 × 200	406.4	390.6	7.9	216.3	204.7	5.8	304.8	273.1
400 × 400 × 150	406.4	390.6	7.9	165.2	155.2	5.0	304.8	263.5
450	457.2	441.4	7.9	457.2	441.4	7.9	342.9	342.9
450 × 450 × 400	457.2	441.4	7.9	406.4	390.6	7.9	342.9	330.2
450 × 450 × 350	457.2	441.4	7.9	355.6	339.8	7.9	342.9	330.2
450 × 450 × 300	457.2	441.4	7.9	318.5	304.7	6.9	342.9	320.7
450 × 450 × 250	457.2	441.4	7.9	267.4	254.2	6.6	342.9	308.0
500	508.0	492.2	7.9	508.0	492.2	7.9	381.0	381.0
500 × 500 × 450	508.0	492.2	7.9	457.2	441.4	7.9	381.0	368.3
500 × 500 × 400	508.0	492.2	7.9	406.4	390.6	7.9	381.0	355.6
500 × 500 × 350	508.0	492.2	7.9	355.6	339.8	7.9	381.0	355.6
500 × 500 × 300	508.0	492.2	7.9	318.5	304.8	6.9	381.0	346.1
500 × 500 × 250	508.0	492.2	7.9	267.4	254.2	6.6	381.0	333.4
500 × 500 × 200	508.0	492.2	7.9	216.3	204.7	5.8	381.0	323.9