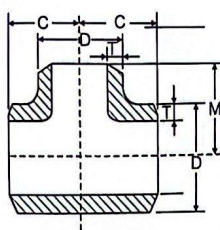
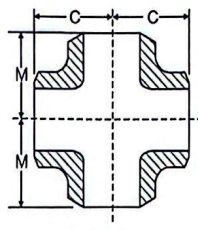


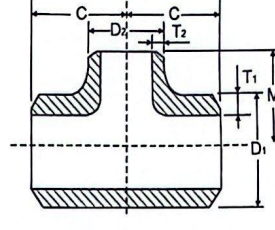
对焊三通、四通 BUTT-WELDING TEES AND CROSSES



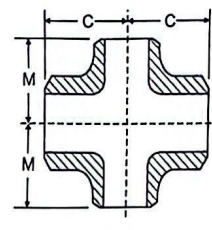
对焊等径三通
BW Straight Tee



对焊等径四通
BW Straight Cross



对焊异径三通
BW Reducing Tee



对焊异径四通
BW Reducing Cross

ASME B16.9

公称尺寸 Nominal size		端部外径 OD at bevel	中心至端面 Center to end	
DN	NPS	D ₁ X D ₂	C	M
15	1/2	21.3	25	25
15 x 10	1/2 x 3/8	21.3 x 17.1		25
15 x 8	1/2 x 1/4	21.3 x 13.7		25
20	3/4	26.7	29	29
20 x 15	3/4 x 1/2	26.7 x 21.3		29
20 x 10	3/4 x 3/8	26.7 x 17.1		29
25	1	33.4	38	38
25 x 20	1 x 3/4	33.4 x 26.7		38
25 x 15	1 x 1/2	33.4 x 21.3		38
32	1 1/4	42.2	48	48
32 x 25	1 1/4 x 1	42.2 x 33.4		48
32 x 20	1 1/4 x 3/4	42.2 x 26.7		48
32 x 15	1 1/4 x 1/2	42.2 x 21.3	57	48
40	1 1/2	48.3		57
40 x 32	1 1/2 x 1 1/4	48.3 x 42.2		57
40 x 25	1 1/2 x 1	48.3 x 33.4	64	57
40 x 20	1 1/2 x 3/4	48.3 x 26.7		57
40 x 15	1 1/2 x 1/2	48.3 x 21.3		57
50	2	60.3	76	64
50 x 40	2 x 1 1/2	60.3 x 48.3		60
50 x 32	2 x 1 1/4	60.3 x 42.2		57
50 x 25	2 x 1	60.3 x 26.7	86	51
50 x 20	2 x 3/4	60.3 x 21.3		44
65	2 1/2	73		76
65 x 50	2 1/2 x 2	73 x 60.3	86	70
65 x 40	2 1/2 x 1 1/2	73 x 48.3		67
65 x 32	2 1/2 x 1 1/4	73 x 42.2		64
65 x 25	2 1/2 x 1	73 x 33.4	95	57
80	3	88.9		86
80 x 65	3 x 2 1/2	88.9 x 73.0		83
80 x 50	3 x 2	88.9 x 60.3	95	76
80 x 40	3 x 1 1/2	88.9 x 48.3		73
80 x 32	3 x 1 1/4	88.9 x 42.2		70
90	3 1/2	101.6	95	95
90 x 80	3 1/2 x 3	101.6 x 88.9		92
90 x 65	3 1/2 x 2 1/2	101.6 x 73.0		89
90 x 50	3 1/2 x 2	101.6 x 60.3	95	83
90 x 40	3 1/2 x 1 1/2	101.6 x 48.3		79

公称尺寸 Nominal size		端部外径 OD at bevel	中心至端面 Center to end	
DN	NPS	D ₁ X D ₂	C	M
100	4	114.3	105	105
100 x 90	4 x 3 1/2	114.3 x 101.6		102
100 x 80	4 x 3	114.3 x 88.9		98
100 x 65	4 x 2 1/2	114.3 x 73.0	105	95
100 x 50	4 x 2	114.3 x 60.3		89
100 x 40	4 x 1 1/2	114.3 x 48.3		86
125	5	141.3	124	124
125 x 100	5 x 4	141.3 x 114.3		117
125 x 90	5 x 3 1/2	141.3 x 101.6		114
125 x 80	5 x 3	141.3 x 88.9	124	111
125 x 65	5 x 2 1/2	141.3 x 73.0		108
125 x 50	5 x 2	141.3 x 60.3		105
150	6	168.3	143	143
150 x 125	6 x 5	168.3 x 141.3		137
150 x 100	6 x 4	168.3 x 114.3		130
150 x 90	6 x 3 1/2	168.3 x 101.6	143	127
150 x 80	6 x 3	168.3 x 88.9		124
150 x 65	6 x 2 1/2	168.3 x 73.0		121
200	8	219.1	178	178
200 x 150	8 x 6	219.1 x 168.3		168
200 x 125	8 x 5	219.1 x 141.3		162
200 x 100	8 x 4	219.1 x 114.3	178	156
200 x 90	8 x 3 1/2	219.1 x 101.6		152
250	10	273.0	216	216
250 x 200	10 x 8	273.0 x 219.1		203
250 x 150	10 x 6	273.0 x 168.3		194
250 x 125	10 x 5	273.0 x 141.3	216	191
250 x 100	10 x 4	273.0 x 114.3		184
300	12	323.8	254	254
300 x 250	12 x 10	323.8 x 273.0		241
300 x 200	12 x 8	323.8 x 219.1		229
300 x 150	12 x 6	323.8 x 168.3	254	219
300 x 125	12 x 5	323.8 x 141.3		216
350	14	355.6	279	279
350 x 300	14 x 12	355.6 x 323.8		270
350 x 250	14 x 10	355.6 x 273.0		257
350 x 200	14 x 8	355.6 x 219.1	279	248
350 x 150	14 x 6	355.6 x 168.3		238

公称尺寸 Nominal size		端部外径 OD at bevel	中心至端面 Center to end		公称尺寸 Nominal size		端部外径 OD at bevel	中心至端面 Center to end	
DN	NPS	D ₁ × D ₂	C	M	DN	NPS	D ₁ × D ₂	C	M
400	16	406.4	305	305	800	32	813.0	597	597
400 × 350	16 × 14	406.4 × 355.6		305	800 × 750	32 × 30	813.0 × 726.0		584
400 × 300	16 × 12	406.4 × 323.8		295	800 × 700	32 × 28	813.0 × 711.0		572
400 × 250	16 × 10	406.4 × 273.0		283	800 × 650	32 × 26	813.0 × 660.0		572
400 × 200	16 × 8	406.4 × 219.1		273	800 × 600	32 × 24	813.0 × 610.0		559
400 × 150	16 × 6	406.4 × 168.3	343	264	800 × 550	32 × 22	813.0 × 559.0		546
450	18	457.0		343	800 × 500	32 × 20	813.0 × 508.0		533
450 × 400	18 × 16	457.0 × 406.4		330	800 × 450	32 × 18	813.0 × 457.0		521
450 × 350	18 × 14	457.0 × 355.6		330	800 × 400	32 × 16	813.0 × 406.4		508
450 × 300	18 × 12	457.0 × 323.8		321	800 × 350	32 × 14	813.0 × 355.6		508
450 × 250	18 × 10	457.0 × 273.0	381	308	850	34	864.0	635	635
450 × 200	18 × 8	457.0 × 219.1		298	850 × 800	34 × 32	864.0 × 813.0		622
500	20	508.0		381	850 × 750	34 × 30	864.0 × 762.0		610
500 × 450	20 × 18	508.0 × 457.0		368	850 × 700	34 × 28	864.0 × 711.0		597
500 × 400	20 × 16	508.0 × 406.4		356	850 × 650	34 × 26	864.0 × 660.0		597
500 × 350	20 × 14	508.0 × 355.6	419	346	850 × 600	34 × 24	864.0 × 610.0		584
500 × 300	20 × 12	508.0 × 323.8		333	850 × 550	32 × 22	864.0 × 559.0		572
500 × 250	20 × 10	508.0 × 273.0		324	850 × 500	34 × 20	864.0 × 508.0		559
500 × 200	20 × 8	508.0 × 219.1		419	850 × 450	34 × 18	864.0 × 457.0		546
550	22	559.0		406	850 × 400	34 × 16	864.0 × 406.4		533
550 × 500	22 × 20	559.0 × 508.0	432	394	900	36	914.0	673	673
550 × 450	22 × 18	559.0 × 457.0		381	900 × 850	36 × 34	914.0 × 864.0		660
550 × 400	22 × 16	559.0 × 406.4		371	900 × 800	36 × 32	914.0 × 813.0		648
550 × 350	22 × 14	559.0 × 355.6		359	900 × 750	36 × 30	914.0 × 762.0		635
550 × 300	22 × 12	559.0 × 323.8	495	432	900 × 700	36 × 28	914.0 × 711.0		622
550 × 250	22 × 10	559.0 × 273.0		432	900 × 650	36 × 26	914.0 × 660.0		622
600	24	610.0		432	900 × 600	36 × 24	914.0 × 610.0		610
600 × 550	24 × 22	610.0 × 559.0		419	900 × 550	36 × 22	914.0 × 559.0		597
600 × 500	24 × 20	610.0 × 508.0		406	900 × 500	36 × 20	914.0 × 508.0		584
600 × 450	24 × 18	610.0 × 457.0	521	397	900 × 450	36 × 18	914.0 × 457.0		572
600 × 400	24 × 16	610.0 × 406.4		384	900 × 400	36 × 16	914.0 × 406.4		559
600 × 350	24 × 14	610.0 × 355.6		495	950	38	965.0	711	711
600 × 300	24 × 12	610.0 × 323.8		486	950 × 900	38 × 36	965.0 × 914.0		711
600 × 250	24 × 10	610.0 × 273.0		470	950 × 850	38 × 34	965.0 × 864.0		698
650	26	660.0		457	950 × 800	38 × 32	965.0 × 813.0		686
650 × 600	26 × 24	660.0 × 610.0	559	444	950 × 750	38 × 30	965.0 × 762.0		673
650 × 550	26 × 22	660.0 × 559.0		432	950 × 700	38 × 28	965.0 × 711.0		648
650 × 500	26 × 20	660.0 × 508.0		422	950 × 650	38 × 26	965.0 × 660.0		648
650 × 450	26 × 18	660.0 × 457.0		521	950 × 600	38 × 24	965.0 × 610.0		635
650 × 400	26 × 16	660.0 × 406.4		508	950 × 550	38 × 22	965.0 × 559.0		622
650 × 350	26 × 14	660.0 × 355.6	597	483	950 × 500	38 × 20	965.0 × 508.0		610
650 × 300	26 × 12	660.0 × 323.8		470	950 × 450	38 × 18	965.0 × 457.0		597
700	28	711.0		457	1000	40	1016.0	749	749
700 × 650	28 × 26	711.0 × 660.0		457	1000 × 950	40 × 38	1016.0 × 965.0		749
700 × 600	28 × 24	711.0 × 610.0	597	448	1000 × 900	40 × 36	1016.0 × 914.0		737
700 × 550	28 × 22	711.0 × 559.0		559	1000 × 850	40 × 34	1016.0 × 864.0		724
700 × 500	28 × 20	711.0 × 508.0		546	1000 × 800	40 × 32	1016.0 × 813.0		711
700 × 450	28 × 18	711.0 × 457.0		533	1000 × 750	40 × 30	1016.0 × 762.0		698
700 × 400	28 × 16	711.0 × 406.4		521	1000 × 700	40 × 28	1016.0 × 711.0		673
700 × 350	28 × 14	711.0 × 355.6	749	508	1000 × 650	40 × 26	1016.0 × 660.0		673
700 × 300	28 × 12	711.0 × 323.8		495	1000 × 600	40 × 24	1016.0 × 610.0		660
750	30	762.0		483	1000 × 550	40 × 22	1016.0 × 559.0		648
750 × 700	30 × 28	762.0 × 711.0		473	1000 × 500	40 × 20	1016.0 × 508.0		635
750 × 650	30 × 26	762.0 × 660.0		460	1000 × 450	40 × 18	1016.0 × 457.0		622

公称尺寸 Nominal size		端部外径 OD at bevel	中心至端面 Center to end	
DN	NPS	D ₁ × D ₂	C	M
1050	42	1067.0	762	711
1050 × 1000	42 × 40	1067.0 × 1016.0		711
1050 × 950	42 × 38	1067.0 × 965.0		711
1050 × 900	42 × 36	1067.0 × 914.0		711
1050 × 850	42 × 34	1067.0 × 864.0		711
1050 × 800	42 × 32	1067.0 × 813.0		711
1050 × 750	42 × 30	1067.0 × 762.0		711
1050 × 700	42 × 28	1067.0 × 711.0		698
1050 × 650	42 × 26	1067.0 × 660.0		698
1050 × 600	42 × 24	1067.0 × 610.0		660
1050 × 550	42 × 22	1067.0 × 559.0		660
1050 × 500	42 × 20	1067.0 × 508.0		660
1050 × 450	42 × 18	1067.0 × 457.0		648
1050 × 400	42 × 16	1067.0 × 406.4		635
1100	44	1118.0	813	762
1100 × 1050	44 × 42	1118.0 × 1067.0		762
1100 × 1000	44 × 40	1118.0 × 1016.0		749
1100 × 950	44 × 38	1118.0 × 965.0		737
1100 × 900	44 × 36	1118.0 × 914.0		724
1100 × 850	44 × 34	1118.0 × 864.0		724
1100 × 800	44 × 32	1118.0 × 813.0		711
1100 × 750	44 × 30	1118.0 × 762.0		711
1100 × 700	44 × 28	1118.0 × 711.0		698
1100 × 650	44 × 26	1118.0 × 660.0		698
1100 × 600	44 × 24	1118.0 × 610.0		698
1100 × 550	44 × 22	1118.0 × 559.0		686
1100 × 500	44 × 20	1118.0 × 508.0		686
1150	46	1168.0	851	800
1150 × 1100	46 × 44	1168.0 × 1118.0		800
1150 × 1050	46 × 42	1168.0 × 1067.0		787
1150 × 1000	46 × 40	1168.0 × 1016.0		775
1150 × 950	46 × 38	1168.0 × 965.0		762
1150 × 900	46 × 36	1168.0 × 914.0		762
1150 × 850	46 × 34	1168.0 × 864.0		749
1150 × 800	46 × 32	1168.0 × 813.0		749
1150 × 750	46 × 30	1168.0 × 762.0		737
1150 × 700	46 × 28	1168.0 × 711.0		737
1150 × 650	46 × 26	1168.0 × 660.0		737
1150 × 600	46 × 24	1168.0 × 610.0		724
1150 × 550	46 × 22	1168.0 × 559.0		724
1200	48	1219.0	889	838
1200 × 1150	48 × 46	1219.0 × 1168.0		838
1200 × 1100	48 × 44	1219.0 × 1118.0		838
1200 × 1050	48 × 42	1219.0 × 1067.0		813
1200 × 1000	48 × 40	1219.0 × 1016.0		813
1200 × 950	48 × 38	1219.0 × 965.0		813
1200 × 900	48 × 36	1219.0 × 914.0		787
1200 × 850	48 × 34	1219.0 × 864.0		787
1200 × 800	48 × 32	1219.0 × 813.0		787
1200 × 750	48 × 30	1219.0 × 762.0		762
1200 × 700	48 × 28	1219.0 × 711.0		762
1200 × 650	48 × 26	1219.0 × 660.0		762
1200 × 600	48 × 24	1219.0 × 610.0		737
1200 × 550	48 × 22	1219.0 × 559.0		737

公称尺寸 Nominal size		端部外径 OD at bevel	中心至端面 Center to end	
DN	NPS	D ₁ × D ₂	C	M
1300	52	1321.0	965	914
1300 × 1200	52 × 48	1321.0 × 1219.0		864
1300 × 1100	52 × 44	1321.0 × 1118.0		813
1300 × 1000	52 × 40	1321.0 × 1016.0		762
1400	56	1422.0	1041	965
1400 × 1300	56 × 52	1422.0 × 1321.0		914
1400 × 1200	56 × 48	1422.0 × 1219.0		864
1400 × 1100	56 × 44	1422.0 × 1118.0		813
1500	60	1524.0	1118	1016
1500 × 1400	60 × 56	1524.0 × 1422.0		965
1500 × 1300	60 × 52	1524.0 × 1321.0		914
1500 × 1200	60 × 48	1524.0 × 1219.0		864
1600	64	1626.0	1194	1092
1600 × 1500	64 × 60	1626.0 × 1524.0		1067
1600 × 1400	64 × 56	1626.0 × 1422.0		1016
1600 × 1300	64 × 52	1626.0 × 1321.0		965
1600 × 1200	64 × 48	1626.0 × 1219.0		914
1700	68	1727.0	1270	1168
1700 × 1600	68 × 64	1727.0 × 1626.0		1143
1700 × 1500	68 × 60	1727.0 × 1524.0		1118
1700 × 1400	68 × 56	1727.0 × 1422.0		1067
1700 × 1300	68 × 52	1727.0 × 1321.0		1016
1700 × 1200	68 × 48	1727.0 × 1219.0		965
1800	72	1829.0	1320	1245
1800 × 1700	72 × 68	1829.0 × 1727.0		1219
1800 × 1600	72 × 64	1829.0 × 1626.0		1194
1800 × 1500	72 × 60	1829.0 × 1524.0		1168
1800 × 1400	72 × 56	1829.0 × 1422.0		1118
1800 × 1300	72 × 52	1829.0 × 1321.0		1067
1800 × 1200	72 × 48	1829.0 × 1219.0		1016
1900	76	1932.0	1422	1320
1900 × 1800	76 × 72	1932.0 × 1829.0		1295
1900 × 1700	76 × 68	1932.0 × 1727.0		1270
1900 × 1600	76 × 64	1932.0 × 1626.0		1245
1900 × 1500	76 × 60	1932.0 × 1524.0		1219
1900 × 1400	76 × 56	1932.0 × 1422.0		1168
1900 × 1300	76 × 52	1932.0 × 1321.0		1118
1900 × 1200	76 × 48	1932.0 × 1219.0		1067
2000	80	2032.0	1499	1397
2000 × 1900	80 × 76	2032.0 × 1930.0		1372
2000 × 1800	80 × 72	2032.0 × 1829.0		1346
2000 × 1700	80 × 68	2032.0 × 1727.0		1321
2000 × 1600	80 × 64	2032.0 × 1626.0		1295
2000 × 1500	80 × 60	2032.0 × 1524.0		1270
2000 × 1400	80 × 56	2032.0 × 1422.0		1219
2000 × 1300	80 × 52	2032.0 × 1321.0		1168
2000 × 1200	80 × 48	2032.0 × 1219.0		1118

注释Note:

- 1)除上述标准外, 还可按GB/T 12459、GB/T13401、GB/T10752、SH3408、SH3409、HG/T21631、HG/T21635、SY/T0510、JIS132311、JIS132312、JIS 132313、DIN2615、DL/T695、EN10253等标准制造。
Besides the above mentioned standards,GB/T12459、GB/T13401、GB/T 10752、SH3408、SH3409、HG/T21631、HG/T21635、SY/T0510、JIS 132311、JIS 132312、JIS 132313、DIN 2615、DL/T695、EN 10253 specifications are also available.
- 2)更大规格的三通、四通,按采购方与制造商协商尺寸制造, 或按制造商的尺寸供货。
Larger sizes shall be by agreement between the manufacturer and purchaser or according to manufacturer's dimensions.