



Fittings

WP Petroleum (Shanghai) Ltd.





WP Petroleum (Shanghai) Ltd.



Fittings

Elbows

Bends

Caps

Reducers

Tees



Fittings

WPP provides all types of fittings.

If you need more information about our products, please be free to contact

sales@wppetroleum.com



Fittings

WPP offers steel Butt-Welding pipe fittings used in pressure piping and in pressure vessel fabrication for service at low moderate and elevate temperatures. The types of industrial pipe fittings we offered include Bends, Elbows, Reducers, Tees and caps.

Standards

According to ASME B16.9

Welding Bevel

According to ASME B.16.25

Sizes

3/4" x 1/2" - 48" x 30" (larger sizes on applications)

Materials

Carbon Steel

ASTM A 234 WPB, A420 WPL1, WPL3, WPL6,

ASTM A860 WPHY 42, WPHY52, WPHY60, WPHY65, WPHY70

Stainless Steel

ASTM A403 WP304/304L, WP316/316L, WP321, WP347

Alloy Steel

ASTM A234 WP1, WP5, WP9, WP11, WP12, WP22, WP91

Duplex & Super Duplex Steel:

ASTM A815 UNS S31803, UNS S32750, UNS S32760

Special steels and alloys on application

Product Features:

High class material

WPP uses only high class raw materials of carbon/alloy steel pipes made from top mills for ordinary, high pressure, low/high temperature, boiler and other purposes.

Uniform wall thickness and perfectly round

Accurate dimension



Elbows



Long radius 90° elbows

STANDARDS

According to ASME B16.9 - NFA

WELDING BEVEL

According to ASME B.16.25

SIZES

1/2" - 42" (larger sizes on applications)

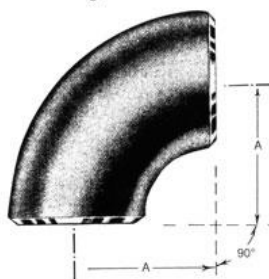
STEELS

According to ASTM A 234 WPB WPC WP1 WP5 WP9 WP11 WP22 WP91
WP911 / ASTM A 420 WPL6 WPL3 / ASTM A 403 WP 304-304L - 316-316L
- 321 / Special steels and alloys on application

BUTT-WELD FITTINGS

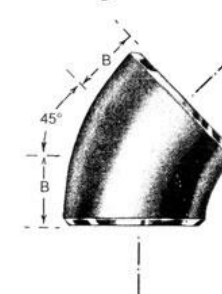
Long radius elbows
长半径弯头

90° long radius elbow



ASME B16.9/ MSS SP-75

45° long radius elbow





Elbows



Long radius 90° elbows

ASME B16.9				MSS SP-75			
N.B	O.D. at Bevel	A(mm)	B(mm)	N.B	O.D. at Bevel	A(mm)	B(mm)
1/2	21.3	38.1	15.9				
3/4	26.7	38.1	19.1				
1	33.4	38.1	22.2				
1 1/4	42.2	47.6	25.4				
1 1/2	48.3	57.2	28.6				
2	60.3	76.2	34.9				
2 1/2	73.0	95.3	44.5				
3	88.9	114.3	50.8				
3 1/2	101.6	133.4	57.2				
4	114.3	152.4	63.5				
5	141.3	190.5	79.4				
6	168.3	228.6	95.3				
8	219.1	304.8	127.0				
10	273.1	381.0	158.7				
12	323.9	457.2	190.5				
14	355.6	533.4	222.3				
16	406.4	609.6	254.0	16	406.4	609.6	254.0
18	457.2	685.8	285.8	18	457.2	685.8	285.8
2	508.0	762.0	317.5	20	508.0	762.0	317.5
22	558.8	838.2	342.9	22	558.8	838.2	342.9
24	609.6	914.4	381.0	24	609.6	914.4	381.0
26	660.4	990.6	406.4	26	660.4	990.6	406.4
28	711.2	1066.8	438.2				
30	762.0	1143.0	469.9	30	762.0	1143.0	469.9
32	812.8	1219.2	501.7				
34	863.6	1295.4	533.4	34	863.6	1295.4	533.4
36	914.4	1371.6	565.2	36	914.4	1371.6	565.2
38	965.2	1447.8	600.1	38	965.2	1447.8	600.1
40	10616.0	1524.0	631.8	40	1016.0	1524.0	631.8
42	1066.8	1600.2	660.4	42	1066.8	1600.2	660.4
44	1117.6	1676.4	695.3	44	1117.6	1676.4	695.3
46	1168.4	1752.6	727.1	46	1168.4	1752.6	727.1
48	1219.2	1828.8	758.8	48	1219.2	1828.8	758.8



Elbows



Short radius 90° elbows

STANDARDS

According to ASME B16.9 - NFA

WELDING BEVEL

According to ASME B.16.25

SIZES

1/2" - 42" (larger sizes on applications)

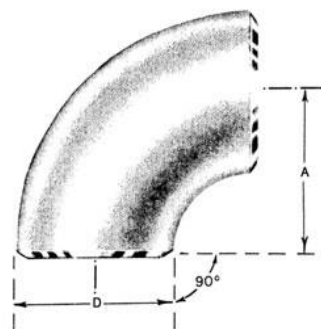
STEELS

According to ASTM A 234 WPB WPC WP1 WP5 WP9 WP11 WP22 WP91
WP911 / ASTM A 420 WPL6 WPL3 / ASTM A 403 WP 304-304L - 316-316L
- 321 / Special steels and alloys on application

BUTT-WELD FITTINGS

ASME B16.28

Short radius 90° elbows
90°短半径弯头





Elbows



Short radius 90° elbows

ASME B16.28

N.B	O.D.AT BEVEL	D	CENTRE TO END	A	N.B	O.D.AT BEVEL	D	CENTRE TO END	A
1	33.4		25.4		20	508.0		508.0	
1 1/4	42.2		31.8		22	558.8		558.8	
1 1/2	48.3		38.1		24	609.6		609.6	
2	60.3		50.8		26	660.4		660.4	
2 1/2	73.0		63.5		28	711.2		711.2	
3	88.9		76.2		30	765.0		762.0	
3 1/2	101.6		88.9		32	813.0		813.0	
4	114.3		101.6		34	863.6		863.6	
5	141.3		127.0		36	914.4		914.4	
6	168.3		152.4		38	965.2		965.2	
8	219.1		203.2		40	1016.0		1016.0	
10	273.1		254.0		42	1066.8		1066.8	
12	323.9		304.8		44	1117.6		1117.6	
14	355.6		355.6		46	1168.4		1168.4	
16	406.4		406.4		48	1219.2		1219.2	
18	457.2		457.2						



Bends

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Bends

STANDARDS

According to ASME B16.9

WELDING BEVEL

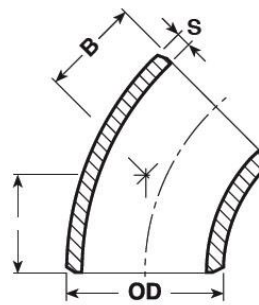
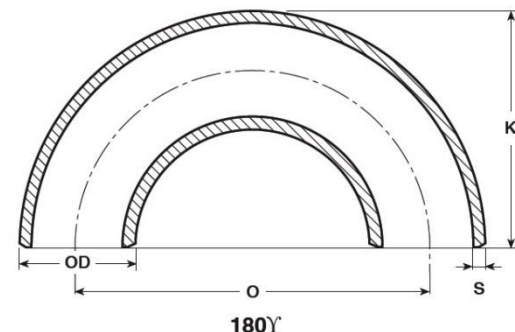
According to ASME B.16.25

SIZES

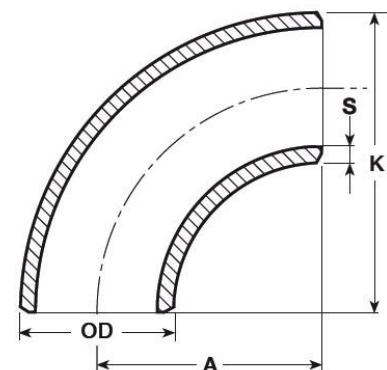
1/2" - 48" (larger sizes on applications) : 45° - 90° - 180°

STEELS

ASTM A 234 WPB WPC WP1 WP5 WP9 WP11 WP22 WP91 WP911 /
ASTM A 420 WPL6 WPL3 / ASTM A 403 WP 304-304L - 316-316L - 321 /
Special steels and alloys on application



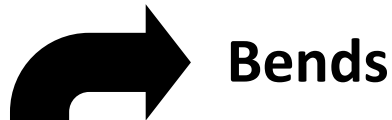
45°



90°



Bends



Bends



A	B	O	K	ø-dia	OD	S=SCHEDULE				
						SCH.STD	SCH.XS	SCH.10	SCH.20	SCH.30
38.1	15.9	76.2	47.6	1/2"	21.3	2.77	3.73	—	—	—
28.6	11.1	57.2	42.9	3/4"	26.7	2.87	3.91	—	—	—
38.1	22.2	76.2	55.6	1"	33.4	3.38	4.55	—	—	—
47.6	25.4	95.2	69.8	1 1/4"	42.2	3.56	4.85	—	—	—
57.2	28.6	114.3	82.5	1 1/2"	48.3	3.68	5.08	—	—	—
76.2	34.9	152.4	106.4	2"	60.3	3.91	5.54	—	—	—
95.2	44.4	190.5	131.8	2 1/2"	73.0	5.16	7.01	—	—	—
114.3	50.8	228.6	158.8	3"	88.9	5.49	7.62	—	—	—
133.4	57.2	266.7	187.2	3 1/2"	101.6	5.74	8.08	—	—	—
152.4	63.5	304.8	209.6	4"	114.3	6.02	8.56	—	—	—
190.5	79.4	381.0	261.9	5"	141.3	6.55	9.52	—	—	—
228.6	95.2	457.2	312.7	6"	168.3	7.11	10.97	—	—	—
304.8	127.0	609.6	414.3	8"	219.1	8.18	12.70	—	6.35	7.04
381.0	158.8	762.0	517.5	10"	273.0	9.27	12.70	—	6.35	7.80
457.2	190.5	914.4	619.1	12"	323.8	9.52	12.70	—	6.35	8.38
533.4	222.2	1066.8	711.2	14"	355.6	9.52	12.70	6.35	7.92	9.52
609.6	254.0	1219.2	812.8	16"	406.4	9.52	12.70	6.35	7.92	9.52
685.8	285.8	1371.6	914.4	18"	457.2	9.52	12.70	6.35	7.92	11.12
752.0	317.5	1524.0	1016.0	20"	508.0	9.52	12.70	6.35	9.52	12.70
838.2	342.9	1676.4	1117.6	22"	558.8	9.52	12.70	6.35	9.52	12.70
914.4	381.0	1828.8	1219.2	24"	609.6	9.52	12.70	6.35	9.52	14.25



Caps

WPP provides all types of fittings.

If you need more information about our products, please be free to contact

sales@wppetroleum.com

Caps

STANDARDS

According to ASME B16.9 – NFA

WELDING BEVEL

According to ASME B.16.25

SIZES

1/2" - 48" (larger sizes on applications)

STEELS

According to ASTM A 234 WPB WPC WP1 WP5 WP9 WP11 WP22 WP91 WP911 / ASTM A 420 WPL6 WPL3 / ASTM A 403 WP 304-304L - 316-316L - 321 / Special steels and alloys on application

Features

- The shape of these caps shall be ellipsoidal and shall conform to the shape requirements as given in ASME Boiler and Pressure Vessel Code.
- Length E applies for thickness not exceeding that given column "Limiting Wall Thickness for Length E".
- Length E applies for thickness greater than that given column "Limiting Wall Thickness" for sizes 26 in. and larger length E. Shall be by agreement between manufacturer and purchaser.





Caps

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Caps

ASME B16.9					MSS SP-75				
N.B	O.D. AT BEVEL	#E	LIMITING W.T. FOR LENGTH E	E ₁	N.B.	O.D. AT BEVEL	#E	LIMITING W.T. FOR LENGTH E	E ₁
1/2	21.3	25.4	3.7	25.4					
3/4	26.7	25.4	3.9	25.4					
1	33.4	38.1	4.6	38.1					
1 1/4	42.2	38.1	4.9	38.1					
1 1/2	48.3	38.1	5.1	38.1					
2	60.3	38.1	5.5	44.5					
2 1/2	73.0	38.1	7.0	50.8					
3	88.9	50.8	7.6	63.5					
3 1/2	101.6	63.5	8.1	76.2					
4	114.3	63.5	8.6	76.2					
5	141.3	76.2	9.5	88.9					
6	168.3	88.9	11.0	101.6					
8	219.1	101.6	12.7	127.0					
10	273.1	127	12.7	152.4					
12	323.9	152.4	12.7	177.8					
14	355.6	165.1	12.7	190.5					
16	406.4	177.8	12.7	203.2	16	406.4	177.8	25.4	203.2
18	547.2	203.2	12.7	228.6	18	457.2	203.2	25.4	228.6
20	508.0	228.6	12.7	254.0	20	508.0	228.6	25.4	254.0
22	558.8	254	12.7	254.0	22	558.8	254.0	25.4	254.0
24	609.6	266.7	12.7	304.3	24	609.6	266.7	25.4	304.8
26	660.4	266.7			26	660.4	266.7	25.4	304.8
28	711.2	266.7							
30	762.0	266.7			30	762.0	266.7	25.4	304.8
32	812.8	266.7							
34	863.6	266.7			34	863.6	266.7	25.4	304.8
36	914.4	266.7			36	914.4	266.7	25.4	304.8
38	965.2	304.8			38	965.2	304.8	25.4	342.9
40	1016.0	304.8			40	1016.0	304.8	25.4	342.9
42	1066.8	304.8			42	1066.8	304.8	25.4	342.9
44	1117.6	342.9			44	1117.6	342.9	25.4	381.0
46	1168.4	342.9			46	1168.4	342.9	25.4	381.0



Reducers

WPP provides all types of fittings.

If you need more information about our products, please be free to contact

sales@wppetroleum.com

Concentric and Eccentric Reducers

STANDARDS

According to ASME B16.9 / MSS SP - 75

WELDING BEVEL

According to ASME B.16.25

SIZES

3/4" x 1/2" - 48" x 30" (larger sizes on applications)

STEELS

ASTM A 234 WPB WPC WP1 WP5 WP9 WP11 WP22 WP91

WP911 / ASTM A 420 WPL6 WPL3 / ASTM A 403 WP 304-304L
- 316-316L - 321 / Special steels and alloys on application



Reducers

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Reducer1

ASME B16.9					MSS SP - 75					ASME B16.9					MSS SP - 75				
N.B.		O.D. AT BEVEL			N.B		O.D. AT BEVEL			N.B.		O.D. AT BEVEL			N.B.		O.D. AT BEVEL		
L.E.	S.E.	L.E.	S.E.	H	L.E.	S.E.	L.E.	S.E.	H	L.E.	S.E.	L.E.	S.E.	H	L.E.	S.E.	L.E.	S.E.	H
3/4	3/8	26.7	17.2	38.1						5	4	141.3	114.3	127.0					
3/4	1/2	26.7	21.3	38.1						5	3 1/2	141.3	101.6	127.0					
1	3/4	33.4	26.7	50.8						5	3	141.3	88.9	127.0					
1	1/2	33.4	21.3	50.8						5	2 1/2	141.3	73.0	127.0					
1 1/4	1	42.2	33.4	50.8						5	2	141.3	60.3	127.0					
1 1/4	3/4	42.2	26.7	50.8						6	5	168.3	141.3	139.7					
1 1/4	1/2	42.2	21.3	50.8						6	4	168.3	114.3	139.7					
1 1/2	1 1/4	48.3	42.2	63.5						6	3 1/2	168.3	101.6	139.7					
1 1/2	1	48.3	33.4	6.5						6	3	168.3	88.9	139.7					
1 1/2	3/4	48.3	26.7	63.5						6	2 1/2	168.3	73.0	139.7					
1 1/2	1/2	48.3	21.3	63.5						8	6	219.1	168.3	152.4					
2	1 1/2	60.3	48.3	76.2						8	5	219.1	141.3	152.4					
2	1 1/4	60.3	42.2	76.2						8	4	219.1	114.3	152.4					
2	1	60.3	33.4	76.2						8	3 1/2	219.1	101.6	152.4					
2	3/4	60.3	26.7	76.2						10	8	273.1	219.1	177.8					
2 1/2	2	73.0	60.3	88.9						10	6	273.1	168.3	17.8					
2 1/2	1 1/2	73.0	48.3	88.9						10	5	273.1	141.3	177.8					
2 1/2	1 1/4	73.0	42.2	88.9						10	4	273.1	114.3	177.8					
2 1/2	1	73.0	33.0	88.9						12	10	323.9	273.1	203.2					
3	2 1/2	88.9	73.0	88.9						12	8	323.9	219.1	203.2					
3	2	88.9	60.3	88.9						12	6	323.9	168.3	203.2					
3	1 1/2	88.9	48.3	88.9						12	5	323.9	141.3	203.2					
3	1 1/4	88.9	42.2	88.9						14	12	355.6	323.9	330.2					
3 1/2	3	101.6	88.9	101.6						14	10	355.6	273.1	330.2					
3 1/2	2 1/2	101.6	73.0	101.6						14	8	355.6	219.1	330.2					
3 1/2	2	101.6	60.3	101.6						14	6	355.6	168.3	330.2					
3 1/2	1 1/2	101.6	48.3	101.6						16	14	406.4	355.6	355.6	16	14	406.4	355.6	355.6
3 1/2	1 1/4	101.6	42.2	101.6						16	12	406.4	323.9	355.6	16	12	406.4	323.9	355.6
4	3 1/2	114.3	101.6	101.6						16	10	406.4	273.1	355.6	16	10	406.4	273.1	355.6
4	3	114.3	88.9	101.6						16	8	406.4	219.1	355.6	16	8	406.4	219.1	355.6
4	2 1/2	114.3	73.0	101.6						18	16	457.2	406.4	381.0	18	16	457.2	406.4	381.0
4	2	114.3	60.3	101.6						18	14	457.2	355.6	381.0	18	14	457.2	355.6	381.0
4	1 1/2	114.3	48.3	101.6						18	12	457.2	323.9	381.0	18	12	457.2	323.9	381.0



Reducers

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Reducer2

ASME B16.9					MSS SP - 75					ASME B16.9					MSS SP - 75				
N.B.		O.D. AT BEVEL			N.B.		O.D. AT BEVEL			N.B.		O.D. AT BEVEL			N.B.		O.D. AT BEVEL		
L.E.	S.E.	L.E.	S.E.	H	L.E.	S.E.	L.E.	S.E.	H	L.E.	S.E.	L.E.	S.E.	H	L.E.	S.E.	L.E.	S.E.	H
20	18	508.0	457.2	508.0	20	18	508.0	457.2	508.0	40	38	1016.0	965.2	609.6	40	38	1016.0	965.2	609.6
20	16	508.0	406.4	508.0	20	16	508.0	406.4	508.0	40	36	1016.0	914.4	609.6	40	36	1016.0	914.4	609.6
20	14	508.0	355.6	508.0	20	14	508.0	355.6	508.0	40	34	1016.0	863.6	609.6	40	34	1016.0	863.6	609.6
20	12	508.0	323.9	508.0	20	12	508.0	323.9	508.0	40	32	1016.0	812.8	609.6	40	32	1016.0	812.8	609.6
22	20	558.8	508	508.0	22	20	558.8	508.0	508.0	40	30	1016.0	762.0	609.6	40	30	1016.0	762.0	609.6
22	18	558.8	457.2	508.0	22	18	558.8	457.2	508.0						40	26	1016.0	660.4	609.6
22	16	558.8	406.4	508.0	22	16	558.8	406.4	508.0						40	24	1016.0	609.6	609.6
22	14	558.8	355.6	508.0	22	14	558.8	355.6	508.0						40	22	1016.0	558.8	609.6
24	22	609.6	558.8	508.0	24	22	609.6	558.8	508.0						40	20	1016.0	508.0	609.6
24	20	609.6	508	508.0	24	20	609.6	508.0	508.0	42	40	1066.8	1016.0	609.6					
24	18	609.6	457.2	508.0	24	18	609.6	457.2	508.0	42	38	1066.8	965.2	609.6					
24	16	609.6	406.4	508.0	24	16	609.6	406.4	508.0	42	36	1066.8	914.4	609.6	42	36	1066.8	914.4	609.6
26	24	660.4	609.6	609.6	26	24	660.4	609.6	609.6	42	34	1066.8	863.6	609.6	42	34	1066.8	863.6	609.6
26	22	660.4	558.8	609.6	26	22	660.4	558.8	609.6	42	32	1066.8	812.8	609.6	42	32	1066.8	812.8	609.6
26	20	660.4	508	609.6	26	20	660.4	508.0	609.6	42	30	1066.8	762.0	609.6	42	30	1066.8	762.0	609.6
26	18	660.4	457.2	609.6	26	18	660.4	457.2	609.6						42	26	1066.8	660.4	609.6
28	26	711.2	660.4	609.6											42	24	1066.8	609.6	609.6
28	24	711.2	609.6	609.6						44	42	1117.6	1066.8	609.6	44	42	1117.6	1066.8	609.6
28	20	711.2	508.0	609.6						44	40	1117.6	1016.0	609.6	44	40	1117.6	1016.0	609.6
28	18	711.2	457.2	609.6						44	38	1117.6	965.2	609.6	44	38	1117.6	965.2	609.6
30	28	762.0	711.2	609.6						44	36	1117.6	914.4	609.6	44	36	1117.6	914.4	609.6
30	26	762.0	660.4	609.6	30	26	762.0	660.4	609.6						44	34	1117.6	863.6	609.6
30	24	762.0	609.6	609.6	30	24	762.0	609.6	609.6						44	32	1117.6	812.8	609.6
30	20	762.0	508.0	609.6	30	20	762.0	508.0	609.6						44	30	1117.6	762.0	609.6
32	30	812.8	762.0	609.6											44	26	1117.6	660.4	609.6
32	28	812.8	711.2	609.6											44	24	1117.6	609.6	609.6
32	26	812.8	660.4	609.6											44	22	1117.6	558.8	609.6
32	24	812.8	609.6	609.6						46	44	1168.4	1117.6	711.2	46	44	1168.4	1117.6	711.2
34	32	863.6	812.8	609.6						46	42	1168.4	1066.8	711.2	46	42	1168.4	1066.8	711.2
34	30	863.6	762.0	609.6	34	30	863.6	762.0	609.6	46	40	1168.4	1016.0	711.2	46	40	1168.4	1016.0	711.2
34	26	863.6	660.4	609.6	34	26	863.6	660.4	609.6	46	38	1168.4	965.2	711.2	46	38	1168.4	965.2	711.2
34	24	863.6	609.6	609.6	34	24	863.6	609.6	609.6						46	36	1168.4	914.4	711.2
36	34	914.4	863.6	609.6	36	34	914.4	863.6	609.6						46	34	1168.4	863.6	711.2
36	32	914.4	812.8	609.6											46	32	1168.4	812.8	711.2
36	30	914.4	762	609.6	36	30	914.4	762.0	609.6						46	30	1168.4	762.0	711.2
36	26	914.4	660.4	609.6	36	26	914.4	660.4	609.6	48	46	1219.2	1168.4	711.2	48	26	1219.2	660.4	711.2
36	24	914.4	609.6	609.6	36	24	914.4	609.6	609.6	48	44	1219.2	1117.6	711.2	48	24	1219.2	609.6	711.2
38	36	965.2	914.4	609.6	38	36	965.2	914.4	609.6	48	42	1219.2	1066.8	711.2	48	46	1219.2	1168.4	711.2
38	34	965.2	863.6	609.6	38	34	965.2	863.6	609.6	48	40	1219.2	1016.0	711.2	48	44	1219.2	1117.6	711.2
38	32	965.2	812.8	609.6	38	32	965.2	812.8	609.6						48	42	1219.2	1066.8	711.2
38	30	965.2	762	609.6	38	30	965.2	762.0	609.6						48	40	1219.2	1016.0	711.2
38	28	965.2	711.2	609.6											48	38	1219.2	965.2	711.2
38	26	965.2	660.4	609.6	38	26	965.2	660.4	609.6						48	36	1219.2	914.4	711.2
					38	24	965.2	609.6	609.6						48	34	1219.2	863.6	711.2
					38	22	965.2	558.8	609.6						48	32	1219.2	812.8	711.2
					38	20	965.2	508.0	609.6						48	30	1219.2	762.0	711.2
															48	26	1219.2	660.4	711.2
															48	24	1219.2	609.6	711.2



Tees

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Equal and Reducing Tees

STANDARDS

According to ASME B16.9 - NFA

WELDING BEVEL

According to ASME B.16.25

SIZES

1/2" - 42" (larger sizes on applications)

STEELS

According to ASTM A 234 WPB WPC WP1 WP5 WP9 WP11 WP22 WP91 WP911 / ASTM A 420 WPL6 WPL3 / ASTM A 403 WP 304-304L - 316-316L - 321 / Special steels and alloys on application



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Equal Tee

ASME B16.9				MSS SP -75			
N.B.	O.D. AT Bevel	C (mm)	M (mm)	N.B.	O.D. AT Bevel	C (mm)	M (mm)
1/2	21.3	25.4	25.4				
3/4	26.7	28.6	28.6				
1	33.4	38.1	38.1				
1 1/4	42.2	47.6	47.6				
1 1/2	48.3	57.2	57.2				
2	60.3	63.5	63.5				
2 1/2	73	76.2	76.2				
3	88.9	85.7	85.7				
3 1/2	101.6	95.3	95.3				
4	114.3	104.8	104.8				
5	141.3	123.8	123.8				
6	168.3	142.9	142.9				
8	219.1	177.8	177.8				
10	273.1	215.9	215.9				
12	323.9	254	254				
14	355.6	279.4	279.4				
16	406.4	304.8	304.8	16	406.4	304.8	304.8
18	457.2	342.9	342.9	18	457.2	342.9	342.9
20	508	381	381	20	508	381	381
22	558.8	419.1	419.1	22	558.8	419.1	419.1
24	609.8	431.8	431.8	24	609.6	431.8	431.8
26	660.4	495.3	495.3	26	660.4	495.3	495.3
28	711.2	520.7	520.7				
30	762	558.8	558.8	30	762	558.8	558.8
32	812.8	596.9	596.9				
34	863.6	635	635	34	863.6	635	635
36	914.4	673.1	673.1	36	914.4	673.1	673.1
38	965.2	711.2	711.2	38	965.2	711.2	711.2
40	1016	749.3	749.3	40	1016	749.3	749.3
42	1066.8	711.2	711.2	42	1066.8	762	711.2
44	1117.6	762	762	44	1117.6	812.8	762
46	1168.4	800.1	800.1	46	1168.4	850.9	800.1
48	1219.2	838.2	838.2	48	1219.2	889	838.2



Tees

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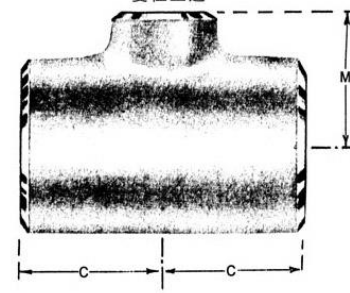
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Tee 1

Reducing Outlet Tees
变径三通



REDUCING OUTLET TEES (dimensions in mm)

ASME B 16.9					
N.B.		O.D. AT BEVEL		RUN	OUTLET
RUN	OUTLET	RUN	OUTLET	C	M
1/2	3/8	21.3	17.2	25.4	25.4
1/2	1/4	21.3	13.7	25.4	25.4
3/4	1/2	26.7	21.3	28.6	28.6
3/4	3/8	26.7	17.2	28.6	28.6
1	3/4	33.4	26.7	39.1	38.1
1	1/2	33.4	21.3	38.1	38.1
1 1/4	1	42.2	33.4	47.6	47.6
1 1/4	3/4	42.2	26.7	47.6	47.6
1 1/4	1/2	42.2	21.3	47.6	47.6
1 1/2	1 1/4	48.3	42.2	57.2	57.2
1 1/2	1	48.3	33.4	57.2	57.2
1 1/2	3/4	48.3	26.7	57.2	57.2
1 1/2	1/2	48.3	21.3	57.2	57.2
2	1 1/2	60.3	48.3	63.5	60.3
2	1 1/4	60.3	42.2	63.5	57.2
2	1	60.3	33.4	63.5	50.8
2	3/4	60.3	26.7	63.5	44.5
2 1/2	2	73	60.3	76.2	69.9
2 1/2	1 1/2	73	48.3	76.2	66.7
2 1/2	1 1/4	73	42.2	76.2	63.5
2 1/2	1	73	33.4	76.2	57.2
3	2 1/2	88.9	73	85.7	82.6
3	2	88.9	60.3	85.7	76.2
3	1 1/2	88.9	48.3	85.7	73
3	1 1/4	88.9	42.2	85.7	69.9
3 1/2	3	101.6	88.9	95.3	92.1
3 1/2	2 1/2	101.6	73	95.3	88.9
3 1/2	2	101.6	60.3	95.3	82.6
3 1/2	1 1/2	101.6	48.3	95.3	79.4



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Tee 2

ASME B 16.9						MSS SP - 75					
N.B.		O.D. AT BEVEL		RUN	OUTLET	N.B.		O.D. AT BEVEL		RUN	OUTLET
RUN	OUTLET	RUN	OUTLET	C	M	RUN	OUTLET	RUN	OUTLET	C	M
4	3 1/2	114.3	101.6	104.8	101.6						
4	3	114.3	88.9	104.8	98.4						
4	2 1/2	114.3	73	104.8	95.3						
4	2	114.3	60.3	104.8	88.9						
4	1 1/2	114.3	48.3	104.8	85.7						
5	4	114.3	114.3	123.8	117.5						
5	3 1/2	114.3	101.6	123.8	114.3						
5	3	114.3	88.9	123.8	111.1						
5	2 1/2	114.3	73	123.8	108						
5	2	114.3	60.3	123.8	104.8						
6	5	168.3	141.3	142.9	136.5						
6	4	168.3	114.3	142.9	130.2						
6	3 1/2	168.3	101.6	142.9	127						
6	3	168.3	88.9	142.9	123.8						
6	2 1/2	168.3	73	142.9	120.7						
8	6	219.1	168.3	177.8	168.3						
8	5	219.1	141.3	177.8	161.9						
8	4	219.1	114.3	177.8	155.6						
8	3 1/2	219.1	101.6	177.8	152.4						
10	8	273.1	219.1	215.9	203.2						
10	6	273.1	168.3	215.9	193.7						
10	5	273.1	141.3	215.9	190.5						
10	4	273.1	114.3	215.9	184.2						
12	10	323.9	273.1	254	241.3						
12	8	323.9	219.1	254	228.6						
12	6	323.9	168.3	254	219.1						
12	5	323.9	141.3	254	215.9						



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Tee 2

ASME B 16.9						MSS SP - 75					
N.B.		O.D. AT BEVEL		RUN	OUTLET	N.B.		O.D. AT BEVEL		RUN	OUTLET
RUN	OUTLET	RUN	OUTLET	C	M	RUN	OUTLET	RUN	OUTLET	C	M
14	12	355.6	323.9	279.4	269.9						
14	10	355.6	273.1	279.4	257.2						
14	8	355.6	219.1	279.4	247.7						
14	6	355.6	168.3	279.4	238.1						
16	14	406.4	355.6	304.8	304.8	16	14	406.4	355.6	304.8	304.8
16	12	406.4	323.9	304.8	295.3	16	12	406.4	323.9	304.8	295.3
16	10	406.4	273.1	304.8	282.6	16	10	406.4	273.1	304.8	282.6
16	8	406.4	219.1	304.8	273.1	16	8	406.4	219.1	304.8	273.1
16	6	406.4	168.3	304.8	263.5	16	6	406.4	168.3	304.8	263.5
18	16	457.2	406.4	342.9	330.2	18	16	457.2	406.4	342.9	330.2
18	14	457.2	355.6	342.9	330.2	18	14	457.2	355.6	342.9	330.2
18	12	457.2	323.9	342.9	320.7	18	12	457.2	323.9	342.9	320.7
18	10	457.2	273.1	342.9	308	18	10	457.2	273.1	342.9	308
18	8	457.2	219.1	342.9	298.5	18	8	457.2	219.1	342.9	298.5
20	18	508.0	457.2	381	368.3	20	18	508	457.2	381	368.3
20	16	508.0	406.4	381	355.6	20	16	508	406.4	381	355.6
20	14	508.0	355.6	381	355.6	20	14	508	355.6	381	355.6
20	12	508.0	323.9	381	346.1	20	12	508	323.9	381	346.1
20	10	508.0	273.1	381	333.4	20	10	508	273.1	381	333.4
20	8	508.0	219.1	381	323.9	20	8	508	219.1	381	323.9
22	20	558.8	508	419.1	406.4	22	20	558.8	508	419.1	406.4
22	18	558.8	457.2	419.1	393.7	22	18	558.8	457.2	419.1	393.7
22	16	558.8	406.4	419.1	381	22	16	558.8	406.4	419.1	381
22	14	558.8	355.6	419.1	381	22	14	558.8	355.6	419.1	381
22	12	558.8	323.9	419.1	371.5	22	12	558.8	323.9	419.1	371.5
22	10	558.8	273.1	419.1	358.8	22	10	558.8	273.1	419.1	358.8
24	22	609.6	558.8	431.8	431.8	24	22	609.6	558.8	431.8	431.8
24	20	609.6	508	431.8	431.8	24	20	609.6	508	431.8	431.8
24	18	609.6	457.2	431.8	419.1	24	18	609.6	457.2	431.8	419.1
24	16	609.6	406.4	431.8	406.4	24	16	609.6	406.4	431.8	406.4
24	14	609.6	355.6	431.8	406.1	24	14	609.6	355.6	431.8	406.4
24	12	609.6	323.9	431.8	396.9	24	12	609.6	323.9	431.8	396.9
24	10	609.6	273.1	431.8	384.2	24	10	609.6	273.1	431.8	384.2



Tees

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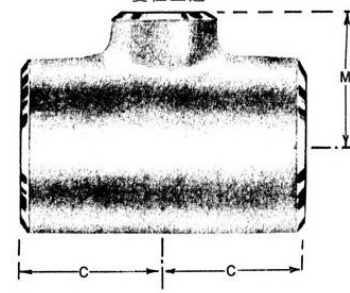
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Tee 1

Reducing Outlet Tees
变径三通



REDUCING OUTLET TEES (dimensions in mm)

ASME B 16.9					
N.B.		O.D. AT BEVEL		RUN	OUTLET
RUN	OUTLET	RUN	OUTLET	C	M
1/2	3/8	21.3	17.2	25.4	25.4
1/2	1/4	21.3	13.7	25.4	25.4
3/4	1/2	26.7	21.3	28.6	28.6
3/4	3/8	26.7	17.2	28.6	28.6
1	3/4	33.4	26.7	39.1	38.1
1	1/2	33.4	21.3	38.1	38.1
1 1/4	1	42.2	33.4	47.6	47.6
1 1/4	3/4	42.2	26.7	47.6	47.6
1 1/4	1/2	42.2	21.3	47.6	47.6
1 1/2	1 1/4	48.3	42.2	57.2	57.2
1 1/2	1	48.3	33.4	57.2	57.2
1 1/2	3/4	48.3	26.7	57.2	57.2
1 1/2	1/2	48.3	21.3	57.2	57.2
2	1 1/2	60.3	48.3	63.5	60.3
2	1 1/4	60.3	42.2	63.5	57.2
2	1	60.3	33.4	63.5	50.8
2	3/4	60.3	26.7	63.5	44.5
2 1/2	2	73	60.3	76.2	69.9
2 1/2	1 1/2	73	48.3	76.2	66.7
2 1/2	1 1/4	73	42.2	76.2	63.5
2 1/2	1	73	33.4	76.2	57.2
3	2 1/2	88.9	73	85.7	82.6
3	2	88.9	60.3	85.7	76.2
3	1 1/2	88.9	48.3	85.7	73
3	1 1/4	88.9	42.2	85.7	69.9
3 1/2	3	101.6	88.9	95.3	92.1
3 1/2	2 1/2	101.6	73	95.3	88.9
3 1/2	2	101.6	60.3	95.3	82.6
3 1/2	1 1/2	101.6	48.3	95.3	79.4



Tees

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Tee 3

ASME B 16.9						MSS SP - 75					
N.B.		O.D. AT BEVEL		RUN	OUTLET	N.B.		O.D. AT BEVEL		RUN	OUTLET
RUN	OUTLET	RUN	OUTLET	C	M	RUN	OUTLET	RUN	OUTLET	C	M
26	24	660.4	609.6	495.3	482.6	26	24	660.4	609.6	495.3	482.6
26	22	660.4	558.8	495.3	469.9	26	22	660.4	558.8	495.3	469.9
26	20	660.4	508	495.3	457.2	26	20	660.4	508	495.3	457.2
26	18	660.4	457.2	495.3	444.5	26	18	660.4	457.2	495.3	444.5
26	16	660.4	406.4	495.3	431.8	26	16	660.4	406.4	495.3	431.8
26	14	660.4	355.6	495.3	431.8	26	14	660.4	355.6	495.3	431.8
26	12	660.4	323.9	495.3	422.3	26	12	660.4	323.9	495.3	422.3
28	26	711.2	660.4	520.7	520.7						
28	24	711.2	609.6	520.7	508						
28	22	711.2	558.8	520.7	495.3						
28	20	711.2	508	520.7	482.6						
28	18	711.2	457.2	520.7	469.39						
28	16	711.2	406.4	520.7	457.2						
28	14	711.2	355.6	520.7	457.2						
28	12	711.2	323.9	520.7	447.7						
30	28	762	711.2	558.8	546.1						
30	26	762	660.4	558.8	546.1	30	26	762	660.4	558.8	546.1
30	24	762	609.6	558.8	533.4	30	24	762	609.6	558.8	533.4
30	22	762	558.8	558.8	520.7	30	22	762	558.8	558.8	520.7
30	20	762	508	558.8	508	30	20	762	508	558.8	508
30	18	762	457.2	558.8	495.3	30	18	762	457.2	558.8	495.3
30	16	762	406.4	558.8	482.6	30	16	762	406.4	558.8	482.6
30	14	762	355.6	558.8	482.6	30	14	762	355.6	558.8	482.6
30	12	762	323.9	558.8	473.1	30	12	762	323.9	558.8	473.1
30	10	762	273.1	558.8	460.4	30	10	762	273.1	558.8	460.4
32	30	812.8	762	596.9	584.2						
32	28	812.8	711.2	596.9	571.5						
32	26	812.8	660.4	596.9	571.5						
32	24	812.8	609.6	596.9	558.8						
32	22	812.8	558.8	596.9	546.1						
32	20	812.8	508	596.9	533.4						
32	18	812.8	457.2	596.9	520.7						
32	16	812.8	406.4	596.9	508						
32	14	812.8	355.6	596.9	508						



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Tee 3

ASME B 16.9						MSS SP - 75					
N.B.		O.D. AT BEVEL		RUN	OUTLET	N.B.		O.D. AT BEVEL		RUN	OUTLET
RUN	OUTLET	RUN	OUTLET	C	M	RUN	OUTLET	RUN	OUTLET	C	M
34	32	863.6	812.8	635	622.3						
34	30	863.6	762	635	609.6	34	30	863.6	762	635	609.6
34	28	863.6	711.2	635	596.9						
34	26	863.6	660.4	635	596.9	34	26	863.6	660.4	635	596.9
34	24	863.6	609.6	635	584.2	34	24	863.6	609.6	635	584.2
34	22	863.6	558.8	635	571.5	34	22	863.6	558.8	635	571.5
34	20	863.6	508	635	558.8	34	20	863.6	508	635	558.8
34	18	863.6	457.2	635	546.1	34	18	863.6	457.2	635	546.1
34	16	863.6	406.4	635	533.4	34	16	863.6	406.4	635	533.4
36	34	914.4	863.6	673.1	660.4	36	34	914.6	863.6	673.1	660.4
36	32	914.4	812.8	673.1	647.7						
36	30	914.4	762	673.1	635	36	30	914.4	762	673.1	635
36	28	914.4	711.2	673.1	622.3						
36	26	914.4	660.4	673.1	622.3	36	26	914.4	660.4	673.1	622.3
36	24	914.4	609.6	673.1	609.6	36	24	914.4	609.6	673.1	609.6
36	22	914.4	558.8	673.1	596.9	36	22	914.4	558.8	673.1	596.9
36	20	914.4	508	673.1	584.2	36	20	914.4	508	673.1	584.2
36	18	914.4	457.2	673.1	571.5	36	18	914.4	457.2	673.1	571.5
36	16	914.4	406.4	673.1	558.8	36	16	914.4	406.4	673.1	558.8
38	36	965.2	914.4	711.2	711.2	38	36	965.2	914.4	711.2	711.2
38	34	965.2	863.6	711.2	698.5	38	34	965.2	863.6	711.2	698.5
38	32	965.2	812.8	711.2	685.8	38	32	965.2	812.8	711.2	685.8
38	30	965.2	762	711.2	673.1	38	30	965.2	762	711.2	673.1
38	28	965.2	711.2	711.2	647.7						
38	26	965.2	660.4	711.2	647.7	38	26	965.2	660.4	711.2	647.7
38	24	965.2	609.6	711.2	635	38	24	965.2	609.6	711.2	635
38	22	965.2	558.8	711.2	622.3	38	22	965.2	558.8	711.2	622.3
38	20	965.2	508	711.2	609.6	38	20	965.2	508	711.2	609.6



Tees

WPP provides all types of fittings.

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Tee 4

ASME B 16.9						MSS SP - 75					
N.B.		O.D. AT BEVEL		RUN	OUTLET	N.B.		O.D. AT BEVEL		RUN	OUTLET
RUN	OUTLET	RUN	OUTLET	C	M	RUN	OUTLET	RUN	OUTLET	C	M
40	38	1016	965.2	749.3	749.3	40	38	1016	965.2	749.3	749.3
40	36	1016	914.4	749.3	7.6.6	40	36	1016	914.4	749.3	736.6
40	34	1016	863.6	749.3	723.9	40	34	1016	863.6	749.3	723.9
40	32	1016	812.8	749.3	711.2	40	32	1016	812.8	749.3	711.2
40	30	1016	762	749.3	698.5	40	30	1016	762	749.3	698.5
40	28	1016	711.2	749.3	673.1						
40	26	1016	660.4	749.3	673.1	40	26	1016	660.4	749.3	673.1
40	24	1016	609.6	749.3	660.4	40	24	1016	609.6	749.3	660.4
40	22	1016	558.8	749.3	647.7	40	22	1016	558.8	749.3	647.7
40	20	1016	508	749.3	635	40	20	10616	508	749.3	635
40	18	1016	457.2	749.3	622.3	40	18	1016	457.2	749.3	622.3
42	36	1066.8	914.4	762	711.2	42	36	1016	914.4	762	711.2
42	34	1066.8	863.6	762	711.2	42	34	1066.8	863.6	762	711.2
42	32	1066.8	812.8	762	711.2	42	32	1066.8	812.8	762	711.2
42	30	1066.8	762	762	711.2	42	30	1066.8	762	762	711.2
42	28	1066.8	711.2	762	698.5	42	28	1066.8	711.2	762	698.5
42	26	1066.8	660.4	762	698.5	42	26	1066.8	660.4	762	698.5
42	24	1066.8	609.6	762	660.4	42	24	1066.8	609.6	762	660.4
42	22	1066.8	558.8	762	660.4	42	22	1066.8	558.8	762	660.4
42	20	1066.8	508	762	660.4	42	20	1066.8	508	762	660.4
42	18	1066.8	457.2	762	647.7	42	18	1066.8	457.2	762	647.7
42	16	1066.8	406.4	762	635	42	16	1066.8	406.4	762	635
44	42	1117.6	1066.8	812.8	762	44	42	1117.6	1066.8	812.8	762
44	40	1117.6	1016	812.8	749.3	44	40	1117.6	1016	812.8	749.3
44	38	1117.6	965.2	812.8	736.6	44	38	1117.6	965.2	812.8	736.6
44	36	1117.6	914.4	812.8	723.9	44	36	1117.6	914.4	812.8	723.9
44	34	1117.6	863.6	812.8	723.9	44	34	1117.6	863.6	812.8	723.9
44	32	1117.6	812.8	812.8	711.2	44	32	1117.6	812.8	812.8	711.2
44	30	1117.6	762	812.8	711.2	44	30	1117.6	762	812.8	711.2
44	28	1117.6	711.2	812.8	698.5						
44	26	1117.6	660.4	812.8	698.5	44	26	1117.6	660.4	812.8	698.5
44	24	1168.4	609.6	850.9	698.5	44	24	1117.6	609.6	812.8	698.5
44	22	1168.4	558.8	850.9	685.8	44	22	1117.6	558.8	812.8	685.8
44	20	1168.4	508	850.9	685.8	44	20	1117.6	508	812.8	685.8



Tees

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Tee 4

ASME B 16.9						MSS SP - 75					
N.B.		O.D. AT BEVEL		RUN		N.B.		O.D. AT BEVEL		RUN	
RUN	OUTLET	RUN	OUTLET	C	M	RUN	OUTLET	RUN	OUTLET	C	M
46	44	1168.4	1117.6	850.9	800.1	46	44	1168.4	1117.6	850.9	800.1
46	42	1168.4	1066.8	850.9	787.4	46	42	1168.4	1066.8	850.9	787.4
46	40	1168.4	1016	850.9	774.7	46	40	1168.4	1016	850.9	774.7
46	38	1168.4	965.2	850.9	762	46	38	1168.4	965.2	850.9	762
46	36	1168.4	914.4	850.9	762	46	36	1168.4	914.4	850.9	762
46	34	1168.4	863.6	850.9	749.3	46	34	1168.4	863.6	850.9	749.3
46	32	1168.4	812.8	850.9	749.3	46	32	1168.4	812.8	850.9	749.3
46	30	1168.4	762	850.9	736.6	46	30	1168.4	762	850.9	736.6
46	28	1168.4	711.2	850.9	736.6						
46	26	1168.4	660.4	850.9	723.9	46	26	1168.4	860.4	850.9	736.6
46	24	1168.4	609.6	850.9	723.9	46	24	1168.4	609.6	850.9	723.9
46	22	1168.4	558.8	850.9	723.9	46	22	1168.4	558.8	850.9	723.9
48	46	1219.2	1168.4	889	838.2	48	46	1219.2	1188.4	889	838.2
48	44	1219.2	1117.6	889	838.2	48	44	1219.2	1117.6	889	838.2
48	42	1219.2	1066.8	889	812.8	48	42	1219.2	1066.8	889	812.8
48	40	1219.2	1016	889	812.8	48	40	1219.2	1016	889	812.8
48	38	1219.2	965.2	889	812.8	48	38	1219.2	965.2	889	812.8
48	36	1219.2	914.4	889	787.4	48	36	1219.2	914.4	889	787.4
48	34	1219.2	863.6	889	787.4	48	34	1219.2	863.6	889	787.4
48	32	1219.2	812.8	889	787.4	48	32	1219.2	812.8	889	787.4
48	30	1219.2	762	889	762	48	30	1219.2	762	889	762
48	28	1219.2	711.2	889	762						
48	26	1219.2	860.4	889	762	48	26	1219.2	660.4	889	762
48	24	1219.2	609.8	889	736.6	48	24	1219.2	809.8	889	736.6
48	22	1219.2	558.8	889	736.6	48	22	1219.2	558.8	889	736.6



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