

NEWASIA

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Grooved Pipe Fittings

Carbon Steel Catalog



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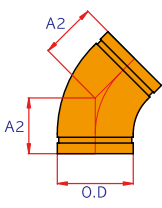
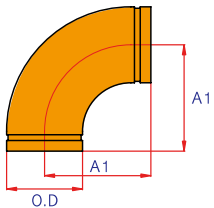
<http://www.ajs.co.kr>



Carbon Grooved fittings

Grooved Elbow

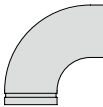
90/45 Degree



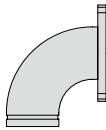
- Mat'l : SPP, SPPS250
- Paint : Epoxy Coat

Nominal Size DN inch	Pipe O.D (mm)	Wall Thick T (mm)	Normal pressure (SPP)				High pressure (S40)			
			90° Elbow		45° Elbow		90° Elbow		45° Elbow	
			A1(mm)	Weight(Kg)	A2(mm)	Weight(Kg)	A1(mm)	Weight(Kg)	A2(mm)	Weight(Kg)
40 1.1/2	48.6	3.5	77.0	0.5	47.0	0.3	77.0	0.6	47.0	0.3
50 2	60.5	3.8	94.0	0.8	54.0	0.5	94.0	0.9	54.0	0.5
65	76.3	4.2	110.0	1.2	60.0	0.7	110.0	1.5	60.0	0.8
2.1/2	73.0	4.2	110.0	1.2	60.0	0.7	110.0	1.5	60.0	0.8
80 3	89.1	4.2	129.0	1.8	71.0	1.0	129.0	2.2	71.0	1.1
100 4	114.3	4.5	160.0	3.1	84.0	1.6	160.0	4.2	84.0	2.1
125	139.8	4.8	191.0	4.9	99.0	2.3	191.0	7.0	99.0	3.5
5	141.3	4.8	191.0	4.9	99.0	2.3	191.0	7.0	99.0	3.5
150	165.2	5.0	229.0	7.1	115.0	3.6	229.0	9.9	115.0	5.0
6	168.3	5.0	229.0	7.1	115.0	3.6	229.0	9.9	115.0	5.0
200	216.3	5.8	305.0	14.4	150.0	7.1	305.0	20.1	150.0	10.0
8	219.1	5.8	305.0	14.4	150.0	7.1	305.0	20.1	150.0	10.0
250	267.4	6.6	381.0	25.4	181.0	12.1	381.0	35.4	181.0	17.7
10	273.0	6.6	381.0	25.4	181.0	12.1	381.0	35.4	181.0	17.7
300	318.5	6.9	457.0	38.1	189.0	18.2	457.0	56.2	189.0	28.2
12	323.9	6.9	457.0	38.1	189.0	18.2	457.0	56.2	189.0	28.2
350 14	355.6	7.9	533.4	56.6	220.9	28.0	533.4	73.9	220.9	37.0
400 16	406.4	7.9	609.6	74.3	252.5	37.0	609.6	118.0	252.5	59.0
450 18	457.2	7.9	685.8	94.2	284.1	47.0	685.8	168.0	284.1	84.0
500 20	508.0	7.9	762.0	116.6	315.6	59.0	762.0	219.0	315.6	110.0
550 22	558.8	7.9	838.2	141.2	347.2	71.0	838.2	—	347.2	—
600 24	609.6	7.9	914.4	168.3	378.7	84.0	914.4	—	378.7	—

Contact us special size

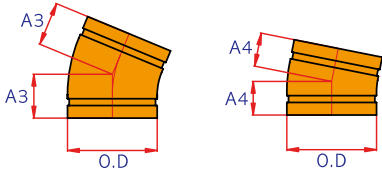


Elbow (Grooved x Butt Welded)



Elbow (Flanged x Grooved)

22.5/11.25 Degree



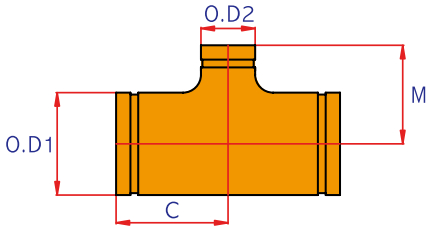
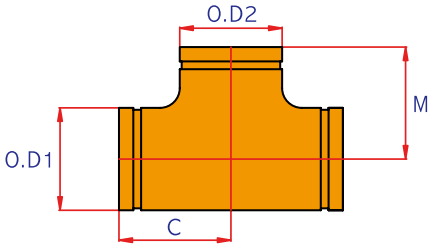
- Mat'l : SPP, SPPS250
- Paint : Epoxy Coat

		Normal pressure (SPP)					High pressure (S40)			
Nominal Size DN inch	Pipe O.D (mm)	Wall Thick T (mm)	22,5° Elbow		11,25° Elbow		22,5° Elbow		11,25° Elbow	
			A3(mm)	Weight(Kg)	A4(mm)	Weight(Kg)	A3(mm)	Weight(Kg)	A4(mm)	Weight(Kg)
50 2	60.5	3.8	39.0	0.4	32.0	0.3	39.0	0.4	32.0	0.3
65	76.3	4.2	42.0	0.5	33.0	0.4	42.0	0.6	33.0	0.4
2,1/2	73.0	4.2	42.0	0.5	33.0	0.4	42.0	0.6	33.0	0.4
80 3	89.1	4.2	50.0	0.8	40.0	0.6	50.0	0.8	40.0	0.6
100 4	114.3	4.5	56.0	1.2	43.0	0.8	56.0	1.6	43.0	1.1
5	141.3	4.8	66.0	1.8	50.0	1.2	66.0	2.7	50.0	1.8
6	168.3	5.0	74.0	2.8	54.0	1.7	74.0	3.9	54.0	2.5
8	219.1	5.8	93.0	5.5	66.0	3.1	93.0	7.7	66.0	5.0
10	273.0	6.6	108.0	8.1	74.0	4.9	108.0	11.7	74.0	8.8
12	323.9	6.9	131.0	12.2	90.0	7.5	131.0	18.6	90.0	14.1

Grooved Tee

Grooved Outlet

- Mat'l : SPP, SPPS250
- Paint : Epoxy Coat

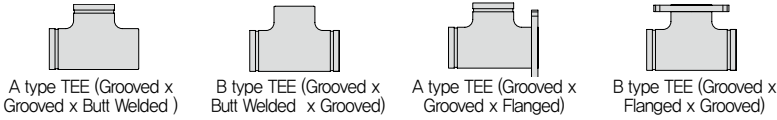


Nominal Size DN inch	Center to End		Normal Pressure(SPP)					High pressure(S40)				
			RUN		Outlet		Weight(Kg)	RUN		Outlet		Weight(Kg)
	C(mm)	M(mm)	Outside Dia OD1 (mm)	Wall Thick T1 (mm)	Outside Dia OD2 (mm)	Wall Thick T2 (mm)		Outside Dia OD1 (mm)	Wall Thick T1 (mm)	Outside Dia OD2 (mm)	Wall Thick T2 (mm)	
50x50 2x2	81.0	81.0	60.5	3.8	60.5	3.8	1.1	60.5	3.9	60.5	3.9	1.2
65x50	94.0	90.0	76.3	4.2	60.5	3.8	1.7	76.3	5.2	60.5	3.9	2.0
2,1/2x2	94.0	90.0	73.0	4.2	60.5	3.8	1.7	73.0	5.2	60.5	3.9	2.0
65x65	94.0	94.0	76.3	4.2	76.3	4.2	1.8	76.3	5.2	76.3	5.2	2.0
2,1/2x2,1/2	94.0	94.0	73.0	4.2	73.0	4.2	1.8	73.0	5.2	73.0	5.2	2.0
80x50 3x2	101.0	93.0	89.1	4.2	60.5	3.8	2.1	89.1	5.5	60.5	3.9	2.4
80x65	101.0	98.0	89.1	4.2	76.3	4.2	2.2	89.1	5.5	76.3	5.2	2.5
3x2,1/2	101.0	98.0	89.1	4.2	73.0	4.2	2.2	89.1	5.5	73.0	5.2	2.5
80x80 3x3	101.0	101.0	89.1	4.2	89.1	4.2	2.3	89.1	5.5	89.1	5.5	2.5
100x50 4x2	125.0	110.0	114.3	4.5	60.5	3.8	3.3	114.3	6.0	60.5	3.9	4.0
100x65	125.0	118.0	114.3	4.5	76.3	4.2	3.5	114.3	6.0	76.3	5.2	4.1
4x2,1/2	125.0	118.0	114.3	4.5	73.0	4.2	3.5	114.3	6.0	73.0	5.2	4.1
100x80 4x3	125.0	121.0	114.3	4.5	89.1	4.2	4.2	114.3	6.0	89.1	5.5	4.2
100x100 4x4	125.0	125.0	114.3	4.5	114.3	4.5	4.5	114.3	6.0	114.3	6.0	4.5
125x65	123.8	104.8	139.8	4.5	76.3	4.2	4.8	139.8	6.6	76.3	5.2	6.5
5x2,1/2	123.8	104.8	141.3	4.5	73.0	4.2	4.8	141.3	6.6	73.0	5.2	6.5
125x80	123.8	111.1	139.8	4.5	89.1	4.2	4.9	139.8	6.6	89.1	5.5	6.6
5x3	123.8	111.1	141.3	4.5	89.1	4.2	4.9	141.3	6.6	89.1	5.5	6.6
125x100	123.8	117.5	139.8	4.5	114.3	4.5	5.2	139.8	6.6	114.3	6.0	6.7
5x4	123.8	117.5	141.3	4.5	114.3	4.5	5.2	141.3	6.6	114.3	6.0	6.7
125x125	123.8	123.8	139.8	4.5	139.8	4.5	5.5	139.8	6.6	139.8	6.6	7.2
5x5	123.8	123.8	141.3	4.5	141.3	4.5	5.5	141.3	6.6	141.3	6.6	7.2
150x80	142.9	123.8	165.2	5.0	89.1	4.2	7.1	165.2	7.1	89.1	5.5	9.5
6x3	142.9	123.8	168.3	5.0	89.1	4.2	7.1	168.3	7.1	89.1	5.5	9.5
150x100	142.9	130.2	165.2	5.0	114.3	4.5	7.4	165.2	7.1	114.3	6.0	9.7
6x4	142.9	130.2	168.3	5.0	114.3	4.5	7.4	168.3	7.1	114.3	6.0	9.7
150x125	142.9	136.5	165.2	5.0	139.8	4.5	7.7	165.2	7.1	139.8	6.6	9.9
6x5	142.9	136.5	168.3	5.0	141.3	4.5	7.7	168.3	7.1	141.3	6.6	9.9
150x150	142.9	142.9	165.2	5.0	165.2	5.0	8.1	165.2	7.1	165.2	7.1	10.5
6x6	142.9	142.9	168.3	5.0	168.3	5.0	8.1	168.3	7.1	168.3	7.1	10.5
200x100	177.8	155.6	216.3	5.8	114.3	4.5	13.2	216.3	8.2	114.3	6.0	17.8
8x4	177.8	155.6	219.1	5.8	114.3	4.5	13.2	219.1	8.2	114.3	6.0	17.8
200x125	177.8	161.9	216.3	5.8	139.8	4.5	13.6	216.3	8.2	139.8	6.6	18.0
8x5	177.8	161.9	219.1	5.8	141.3	4.5	13.6	219.1	8.2	141.3	6.6	18.0
200x150	177.8	168.3	216.3	5.8	165.2	5.0	14.1	216.3	8.2	165.2	7.1	18.3
8x6	177.8	168.3	219.1	5.8	168.3	5.0	14.1	219.1	8.2	168.3	7.1	18.3

200x200	177.8	177.8	216.3	5.8	216.3	5.8	15.3	216.3	8.2	216.3	8.2	19.7
8x8	177.8	177.8	219.1	5.8	219.1	5.8	15.3	219.1	8.2	219.1	8.2	19.7
250x100	215.9	184.2	267.4	6.6	114.3	4.5	20.6	267.4	9.3	114.3	6.0	20.0
10x4	215.9	184.2	273.0	6.6	114.3	4.5	20.6	273.0	9.3	114.3	6.0	20.0
250x125	215.9	190.5	267.4	6.6	139.8	4.5	21.7	267.4	9.3	139.8	6.6	30.7
10x5	215.9	190.5	273.0	6.6	141.3	4.5	21.7	273.0	9.3	141.3	6.6	30.7
250x150	215.9	193.7	267.4	6.6	165.2	5.0	22.2	267.4	9.3	165.2	7.1	31.0
10x6	215.9	193.7	273.0	6.6	168.3	5.0	22.2	273.0	9.3	168.3	7.1	31.0
250x200	215.9	203.2	267.4	6.6	216.3	5.8	23.4	267.4	9.3	216.3	8.2	31.3
10x8	215.9	203.2	273.0	6.6	219.1	5.8	23.4	273.0	9.3	219.1	8.2	31.3
250x250	215.9	215.9	267.4	6.6	267.4	6.6	25.1	267.4	9.3	267.4	9.3	33.4
10x10	215.9	215.9	273.0	6.6	273.0	6.6	25.1	273.0	9.3	273.0	9.3	33.4
300x125	254.0	215.9	318.5	6.9	139.8	4.5	30.4	318.5	10.3	139.8	6.6	46.0
12x5	254.0	215.9	323.9	6.9	141.3	4.5	30.4	323.9	141.3	141.3	6.6	46.0
300x150	254.0	219.1	318.5	6.9	165.2	5.0	31.2	318.5	10.3	165.2	7.1	46.1
12x6	254.0	219.1	323.9	6.9	168.3	5.0	31.2	323.9	10.3	168.3	7.1	46.1
300x200	254.0	228.6	318.5	6.9	216.3	5.8	32.5	318.5	10.3	216.3	8.2	47.5
12x8	254.0	228.6	323.9	6.9	219.1	5.8	32.5	323.9	10.3	219.1	8.2	47.5
300x250	254.0	241.3	318.5	6.9	267.4	6.6	34.2	318.5	10.3	267.4	9.3	49.0
12x10	254.0	241.3	323.9	6.9	273.0	6.6	34.2	323.9	10.3	273.0	9.3	49.0
300x300	254.0	254.0	318.5	6.9	318.5	6.9	35.4	318.5	10.3	318.5	10.3	52.0
12x12	254.0	254.0	323.9	6.9	323.9	6.9	35.4	323.9	10.3	323.9	10.3	52.0
350x250	279.4	257.2	355.6	7.9	267.4	6.6	43.8	355.6	11.1	267.4	9.3	63.0
14x10	279.4	257.2	355.6	7.9	273.0	6.6	43.8	355.6	11.1	273.0	9.3	63.0
350x300	279.4	269.9	355.6	7.9	318.5	6.9	45.5	355.6	11.1	318.5	10.3	65.9
14x12	279.4	269.9	355.6	7.9	323.9	6.9	45.5	355.6	11.1	323.9	10.3	65.9
350x350	279.4	279.4	355.6	7.9	355.6	7.9	46.9	355.6	11.1	355.6	11.1	68.4
400x250	304.8	282.6	406.4	7.9	267.4	6.6	53.8	406.4	12.7	267.4	9.3	90.0
16x10	304.8	282.6	406.4	7.9	273.0	6.6	53.8	406.4	12.7	273.0	9.3	90.0
400x300	304.8	295.3	406.4	7.9	318.5	6.9	55.0	406.4	12.7	318.5	10.3	90.5
16x12	304.8	295.3	406.4	7.9	323.9	6.9	55.0	406.4	12.7	323.9	10.3	90.5
400x350	304.8	304.8	406.4	7.9	355.6	7.9	56.5	406.4	12.7	355.6	11.1	93.2
16x14	304.8	304.8	406.4	7.9	406.4	7.9	57.6	406.4	12.7	406.4	12.7	96.4
450x350	342.9	330.2	457.2	7.9	355.6	7.9	69.3	457.2	14.3	355.6	11.1	128.0
18x14	342.9	330.2	457.2	7.9	406.4	7.9	70.4	457.2	14.3	406.4	12.7	132.0
450x400	342.9	342.9	457.2	7.9	457.2	7.9	72.7	457.2	14.3	457.2	14.3	137.5
18x18	342.9	342.9	457.2	7.9	457.2	7.9	72.7	457.2	14.3	457.2	14.3	137.5
500x400	381.0	355.6	508.0	7.9	406.4	7.9	84.8	508.0	15.1	406.4	12.7	169.0
20x16	381.0	355.6	508.0	7.9	406.4	7.9	84.8	508.0	15.1	406.4	12.7	169.0
500x450	381.0	368.3	508.0	7.9	457.2	7.9	87.1	508.0	15.1	457.2	14.3	174.0
20x18	381.0	368.3	508.0	7.9	457.2	7.9	87.1	508.0	15.1	457.2	14.3	174.0
500x500	381.0	381.0	508.0	7.9	508.0	7.9	89.5	508.0	15.1	508.0	15.1	180.0
20x20	381.0	381.0	508.0	7.9	508.0	7.9	89.5	508.0	15.1	508.0	15.1	180.0
550x450	419.1	393.7	558.8	7.9	457.2	7.9	105.4	558.8	15.1	457.2	14.3	—
22x18	419.1	393.7	558.8	7.9	457.2	7.9	105.4	558.8	15.1	457.2	14.3	—
550x500	419.1	406.4	558.8	7.9	508.0	7.9	107.9	558.8	15.1	508.0	15.1	—
22x20	419.1	406.4	558.8	7.9	508.0	7.9	107.9	558.8	15.1	508.0	15.1	—
550x550	419.1	419.1	558.8	7.9	558.8	7.9	108.1	558.8	15.1	558.8	15.1	—
22x22	419.1	419.1	558.8	7.9	558.8	7.9	108.1	558.8	15.1	558.8	15.1	—
600x500	431.8	431.8	609.6	7.9	508.0	7.9	116.9	609.6	17.4	508.0	15.1	—
24x20	431.8	431.8	609.6	7.9	508.0	7.9	116.9	609.6	17.4	508.0	15.1	—
600x550	431.8	431.8	609.6	7.9	558.8	7.9	118.3	609.6	17.4	558.8	15.1	—
24x22	431.8	431.8	609.6	7.9	558.8	7.9	118.3	609.6	17.4	558.8	15.1	—
600x600	431.8	431.8	609.6	7.9	609.6	7.9	119.7	609.6	17.4	609.6	17.4	—
24x24	431.8	431.8	609.6	7.9	609.6	7.9	119.7	609.6	17.4	609.6	17.4	—

Contact us special size

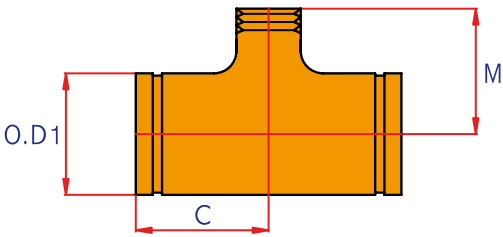
* Contact us special size (ANSI)



Grooved Tee

Threaded Outlet

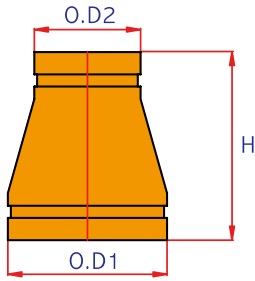
- Mat'l : SPP, SPPS250
- Paint : Epoxy Coat



Nominal Size DN inch		Center to End		Normal Pressure(SPP)			High pressure(S40)		
				Run		Outlet	Run		Outlet
		C (mm)	M (mm)	Outside Dia OD1 (mm)	Wall Thick T1 (mm)	Threaded Soket Length(mm)	Outside Dia OD2 (mm)	Wall Thick T2 (mm)	Threaded Soket Length(mm)
50 2	25 1	81.0	84.0	60.5	3.8	43.0	60.5	3.9	43.0
	32 1.1/4	81.0	99.0	60.5	3.8	48.0	60.5	3.9	48.0
	40 1.1/2	81.0	99.0	60.5	3.8	48.0	60.5	3.9	48.0
65 2.1/2	25 1	94.0	92.0	76.3 73.0	4.2	43.0	76.3 73.0	5.2	43.0
	32 1.1/4	94.0	97.0	76.3 73.0	4.2	48.0	76.3 73.0	5.2	48.0
	40 1.1/2	94.0	97.0	76.3 73.0	4.2	48.0	76.3 73.0	5.2	48.0
	50 2	94.0	107.0	76.3 73.0	4.2	56.0	76.3 73.0	5.2	56.0
80 3	25 1	101.0	98.0	89.1	4.2	43.0	89.1	5.5	43.0
	32 1.1/4	101.0	103.0	89.1	4.2	48.0	89.1	5.5	48.0
	40 1.1/2	101.0	103.0	89.1	4.2	48.0	89.1	5.5	48.0
100 4	50 2	101.0	113.0	89.1	4.2	58.0	89.1	5.5	58.0
	20 3/4	125.0	106.0	114.3	4.5	36.0	114.3	6.0	36.0
	25 1	125.0	111.0	114.3	4.5	43.0	114.3	6.0	43.0
	32 1.1/4	125.0	116.0	114.3	4.5	48.0	114.3	6.0	48.0
	40 1.1/2	125.0	116.0	114.3	4.5	48.0	114.3	6.0	48.0
125 5	50 2	125.0	126.0	114.3	4.5	58.0	114.3	6.0	58.0
	25 1	146.0	123.0	139.8 141.3	4.5	43.0	139.8 141.3	6.6	43.0
	32 1.1/4	146.0	128.0	139.8 141.3	4.5	48.0	139.8 141.3	6.6	48.0
	40 1.1/2	146.0	128.0	139.8 141.3	4.5	48.0	139.8 141.3	6.6	48.0
150 6	50 2	146.0	138.0	139.8 141.3	4.5	58.0	139.8 141.3	6.6	58.0
	25 1	165.0	136.0	165.2 168.3	5.0	43.0	165.2 168.3	7.1	43.0
	32 1.1/4	165.0	141.0	165.2 168.3	5.0	48.0	165.2 168.3	7.1	48.0
	40 1.1/2	165.0	141.0	165.2 168.3	5.0	48.0	165.2 168.3	7.1	48.0
	50 2	165.0	151.0	165.2 168.3	5.0	58.0	165.2 168.3	7.1	58.0

Grooved Reducer

Grooved Outlet



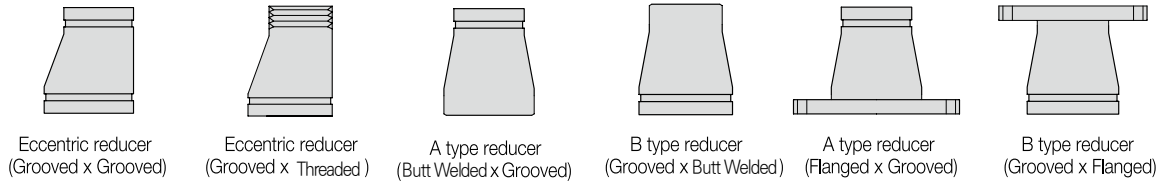
- Mat'l : SPP, SPPS250
- Paint : Epoxy Coat

Nominal Size DN inch	End to End H (mm)	Normal Pressure(SPP)					High pressure(S40)				
		Large End		Small End		Weight(Kg)	Large End		Small End		Weight(Kg)
		Outside Dia OD1 (mm)	Wall Thick T1 (mm)	Outside Dia OD2 (mm)	Wall Thick T2 (mm)		Outside Dia OD1 (mm)	Wall Thick T1 (mm)	Outside Dia OD2 (mm)	Wall Thick T2 (mm)	
50x40 2x1.1/2	105	60.5	3.8	48.6	3.5	0.4	60.5	3.9	48.6	3.7	0.4
65x50	113	76.3	4.2	60.5	3.8	0.7	76.3	5.2	60.5	3.9	0.7
2.1/2x2	113	73.0	4.2	60.5	3.8	0.7	73.0	5.2	60.5	3.9	0.7
80x50 3x2	120	89.1	4.2	60.5	3.8	0.8	89.1	5.5	60.5	3.9	0.8
80x65	120	89.1	4.2	76.3	4.2	0.9	89.1	5.5	76.3	5.2	0.9
3x2.1/2	120	89.1	4.2	73.0	4.2	0.9	89.1	5.5	73.0	5.2	0.9
100x50 4x2	135	114.3	4.5	60.5	3.8	1.2	114.3	6.0	60.5	3.9	1.4
100x65	135	114.3	4.5	76.3	4.2	1.2	114.3	6.0	76.3	5.2	1.5
4x2.1/2	135	114.3	4.5	73.0	4.2	1.2	114.3	6.0	73.0	5.2	1.5
100x80 4x3	135	114.3	4.5	89.1	4.2	1.3	114.3	6.0	89.1	5.5	1.6
125x65	161	139.8	4.5	76.3	4.2	1.8	139.8	6.6	76.3	5.2	2.3
5x2.1/2	161	141.3	4.5	73.0	4.2	1.8	141.3	6.6	73.0	5.2	2.3
125x80	161	139.8	4.5	89.1	4.2	1.9	139.8	6.6	89.1	5.5	2.5
5x3	161	141.3	4.5	89.1	4.2	1.9	141.3	6.6	89.1	5.5	2.5
125x100	161	139.8	4.5	114.3	4.5	2.0	139.8	6.6	114.3	6.0	2.8
5x4	161	141.3	4.5	114.3	4.5	2.0	141.3	6.6	114.3	6.0	2.8
150x80	171	165.2	5.0	89.1	4.2	2.5	165.2	7.1	89.1	5.5	3.5
6x3	171	168.3	5.0	89.1	4.2	2.5	168.3	7.1	89.1	5.5	3.5
150x100	171	165.2	5.0	114.3	4.5	2.7	165.2	7.1	114.3	6.0	3.7
6x4	171	168.3	5.0	114.3	4.5	2.7	168.3	7.1	114.3	6.0	3.7
150x125	171	165.2	5.0	139.8	4.5	2.9	165.2	7.1	139.8	6.6	3.9
6x5	171	168.3	5.0	141.3	4.5	2.9	168.3	7.1	141.3	6.6	3.9
200x100	190	216.3	5.8	114.3	4.5	4.3	216.3	8.2	114.3	6.0	5.8
8x4	190	219.1	5.8	114.3	4.5	4.3	219.1	8.2	114.3	6.0	5.8
200x125	190	216.3	5.8	139.8	4.5	4.5	216.3	8.2	139.8	6.6	6.0
8x5	190	219.1	5.8	141.3	4.5	4.5	219.1	8.2	139.8	6.6	6.0
200x150	190	216.3	5.8	165.2	5.0	4.7	216.3	8.2	165.2	7.1	6.3
8x6	190	219.1	5.8	168.3	5.0	4.7	219.1	8.2	168.3	7.1	6.3
250x125	220	267.4	6.6	139.8	4.5	6.9	267.4	9.3	139.8	6.6	9.5

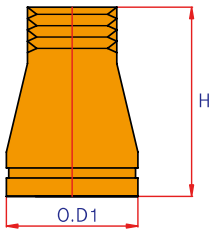
10x5	220	273.0	6.6	141.3	4.5	6.9	273.0	9.3	141.3	6.6	9.5
250x150	220	267.4	6.6	165.2	5.0	7.2	267.4	9.3	165.2	7.1	9.8
10x6	220	273.0	6.6	168.3	5.0	7.2	273.0	9.3	168.3	7.1	9.8
250x200	220	267.4	6.6	216.3	5.8	7.7	267.4	9.3	216.3	8.2	10.5
10x8	220	273.0	6.6	219.1	5.8	7.7	273.0	9.3	219.1	8.2	10.5
300x150	240	318.5	6.9	165.2	5.0	9.7	318.5	10.3	165.2	7.1	15.1
12x6	240	323.9	6.9	168.3	5.0	9.7	323.9	10.3	168.3	7.1	15.1
300x200	240	318.5	6.9	216.3	5.8	10.3	318.5	10.3	216.3	8.2	15.7
12x8	240	323.9	6.9	219.1	5.8	10.3	323.9	10.3	219.1	8.2	15.7
300x250	240	318.5	6.9	267.4	6.6	11.0	318.5	10.3	267.4	9.3	16.2
12x10	240	323.9	6.9	273.0	6.6	11.0	323.9	10.3	273.0	9.3	16.2
350x200	330.2	355.6	7.9	216.3	5.8	19.8	355.6	11.1	216.3	8.2	29.5
12x8	330.2	355.6	7.9	219.1	5.8	19.8	355.6	11.1	219.1	8.2	29.5
350x250	330.2	355.6	7.9	267.4	6.6	20.2	355.6	11.1	267.4	9.3	30.2
14x10	330.2	355.6	7.9	273.0	6.6	20.2	355.6	11.1	273.0	9.3	30.2
350x300	330.2	355.6	7.9	318.5	6.9	21.9	355.6	11.1	318.5	10.3	32.5
14x12	330.2	355.6	7.9	323.9	6.9	21.9	355.6	11.1	323.9	10.3	32.5
400x250	355.6	406.4	7.9	267.4	6.6	24.0	406.4	12.7	267.4	9.3	41.0
16x10	355.6	406.4	7.9	273.0	6.6	24.0	406.4	12.7	273.0	9.3	41.0
400x300	355.6	406.4	7.9	318.5	6.9	25.4	406.4	12.7	318.5	10.3	43.7
16x12	355.6	406.4	7.9	323.9	6.9	25.4	406.4	12.7	323.9	10.3	43.7
400x350	355.6	406.4	7.9	355.6	7.9	26.6	406.4	12.7	355.6	11.1	45.2
18x12	381	457.2	7.9	318.5	6.9	29.0	457.2	14.3	318.5	10.3	54.0
450x300	381	457.2	7.9	323.9	6.9	29.0	457.2	14.3	323.9	10.3	54.0
450x350	381	457.2	7.9	355.6	7.9	30.5	457.2	14.3	355.6	11.1	57.0
450x400	381	457.2	7.9	406.4	7.9	32.4	457.2	14.3	406.4	12.7	62.0
500x350	508	508.0	7.9	355.6	7.9	43.0	508.0	15.1	355.6	11.1	88.0
500x400	508	508.0	7.9	406.4	7.9	45.5	508.0	15.1	406.4	12.7	92.0
500x450	508	508.0	7.9	457.2	7.9	50.0	508.0	15.1	457.2	14.3	97.4
550x450	508	558.8	7.9	457.2	7.9	51.0	558.8	15.1	457.2	14.3	—
550x500	508	558.8	7.9	508.0	7.9	53.1	558.8	15.1	508.0	15.1	—
600x500	508	609.6	7.9	508.0	7.9	55.7	609.6	17.4	508.0	15.1	—
600x550	508	609.6	7.9	558.8	7.9	58.2	609.6	17.4	558.8	15.1	—

※ Contact us special size (ANSI)

Contact us special size



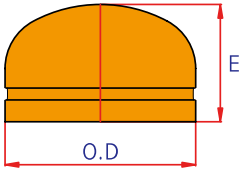
Threaded Outlet



- Mat'l : SPP, SPPS250
- Paint : Epoxy Coat

			Normal pressure (SPP)			High pressure (S40)		
Nominal Size DN inch	End to End H(mm)		Large End		Small End	Large End		Small End
			Outside Dia OD1 (mm)	Wall Thick T1 (mm)	Threaded Scket Length(mm)	Outside Dia OD2 (mm)	Wall Thick T2 (mm)	Threaded Scket Length(mm)
65 2.1/2	40 1.1/2	153.0	76.3 73.0	4.2	48.0	76.3 73.0	5.2	48.0
	50 2	161.0	76.3 73.0	4.2	56.0	76.3 73.0	5.2	56.0
80 3	40 1.1/2	153.0	89.1	4.2	48.0	89.1	5.5	48.0
	50 2	161.0	89.1	4.2	56.0	89.1	5.5	56.0
100 4	15 1/2	109.0	114.3	4.5	34.0	114.3	6.0	34.0
	20 3/4	112.0	114.3	4.5	36.0	114.3	6.0	36.0
	25 1	117.0	114.3	4.5	43.0	114.3	6.0	43.0
	40 1.1/2	168.0	114.3	4.5	48.0	114.3	6.0	48.0

Grooved Cap

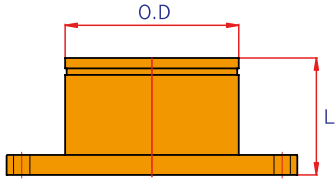


- Mat'l : SPP, SPPS250
- Paint : Epoxy Coat

Nominal Size DN Inch	Outside Dia OD (mm)	E (mm)	Normal Pressure(SPP)		High pressure(S40)	
			Wall Thick T (mm)	Weight(Kg)	Wall Thick T (mm)	Weight(Kg)
40 1.1/2	48.6	45.0	3.5	0.2	3.7	0.2
50 2	60.5	50.0	3.8	0.3	3.9	0.3
65 2.1/2	76.3	55.0	4.2	0.5	5.2	0.5
80 3	89.1	65.0	4.2	0.6	5.5	0.7
100 4	114.3	74.0	4.5	1.0	6.0	1.3
125 5	139.8	76.2	4.5	1.5	6.6	2.1
150 6	165.2	88.9	5.0	2.1	7.1	3.1
200 8	216.3	101.6	5.8	4.0	8.2	5.6
250 10	267.4	127.0	6.6	6.6	9.3	9.8
300 12	318.5	152.4	6.9	9.8	10.3	15.5
350 14	355.6	165.1	7.9	18.1	11.1	20.4
400 16	406.4	177.8	7.9	22.5	12.7	29.3
450 18	457.2	203.2	7.9	27.5	14.3	45.6
500 20	508.0	228.6	7.9	34.9	15.1	59.5
550 22	558.8	254.0	7.9	41.6	15.1	—
600 24	609.6	266.7	7.9	48.9	17.4	—

※ Contact us special size (ANSI)

Grooved Flange Adaptor



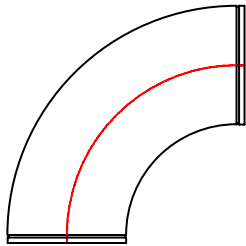
- Mat'l : SPP, SPPS250
- Paint : Epoxy Coat

Nominal Size DN inch	Outside Dia OD (mm)	L (mm)	Normal Pressure(10K)		High pressure(20K)	
			Wall Thick T (mm)	Weight(Kg)	Wall Thick T (mm)	Weight(Kg)
40 1.1/2	48.6	75	3.5	1.8	3.7	2.0
50 2	60.5	80	3.8	2.3	3.9	2.8
65 2.1/2	76.3	85	4.2	3.1	5.2	4.1
80 3	89.1	85	4.2	3.3	5.5	4.5
100 4	114.3	90	4.5	4.2	6.0	6.4
125 5	139.8	95	4.5	6.3	6.6	10.1
150 6	165.2	100	5.0	8.3	7.1	11.8
200 8	216.3	115	5.8	11.0	8.2	15.3
250 10	267.4	120	6.6	17.6	9.3	28.6
300 12	318.5	120	6.9	20.3	10.3	35.2
350 14	355.6	190	7.9	30.6	11.1	53.1
400 16	406.4	220	7.9	42.3	12.7	73.3
450 18	457.2	225	7.9	52.7	14.3	96.4
500 20	508.0	260	7.9	62.9	15.1	114.5
550 22	558.8	280	7.9	79.7	15.1	138.5
600 24	609.6	285	7.9	86.0	17.4	156.4

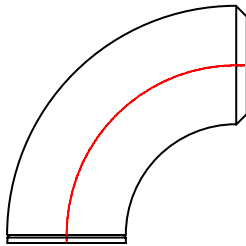
※ Contact us special size (ANSI)

Special order-made End machining fittings

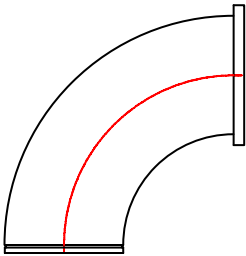
ELBOW



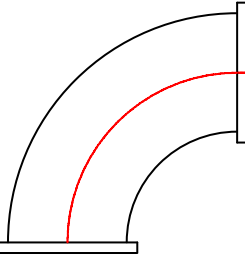
Elbow (Grooved)



Elbow
(Grooved Butt Welded)

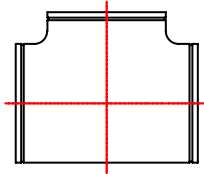


Elbow (Flanged x Grooved)

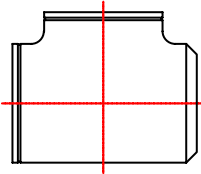


Elbow (Flanged)

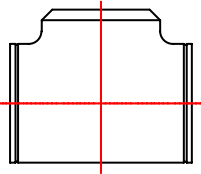
TEE



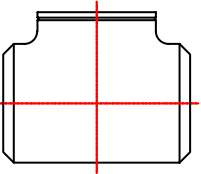
TEE (Grooved)



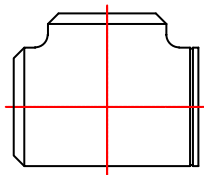
A type TEE (Grooved
x Grooved x Butt Welded)



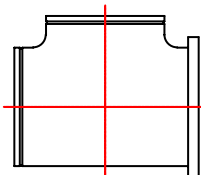
B type TEE (Grooved
x Butt Welded x Grooved)



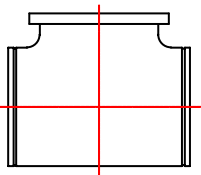
A type TEE (Butt Welded
x Grooved x Butt Welded)



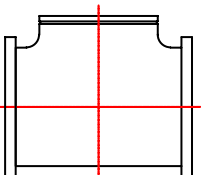
B type TEE (Butt Welded
x Butt Welded x Grooved)



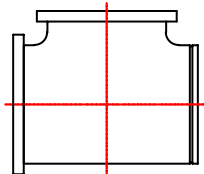
A type TEE (Grooved
x Grooved x Flanged)



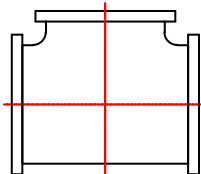
B type TEE (Grooved
x Flanged x Grooved)



A type TEE (Flanged
x Grooved x Flanged)

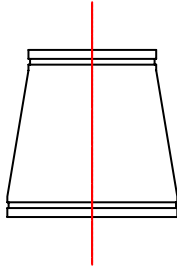


B type TEE (Flanged
x Flanged x Grooved)

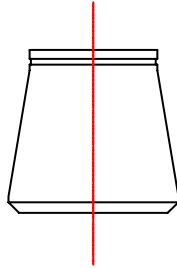


TEE (Flanged)

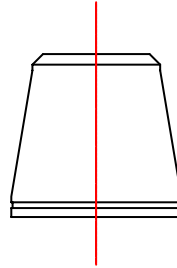
○ REDUCER



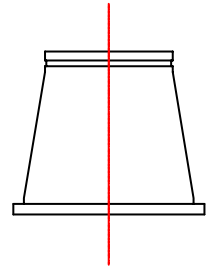
Concentric reducer
(Grooved)



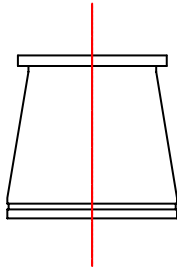
A type concentric reducer
(Butt Welded x Grooved)



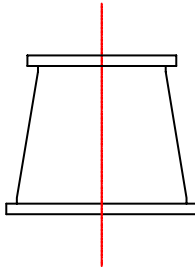
B type concentric reducer
(Grooved x Butt Welded)



A type concentric reducer
(Flanged x Grooved)



B type concentric reducer
(Grooved x Flanged)



Concentric reducer (Flanged)

