

Equal Tees

ASME/ASTM SA/A403 WPS (Seamless) ASME B16-9

ASME/ASTM SA/A403 WPW (Welded) ASME B16-9

ASME/ASTM SA/A403 WPWX
(Welded, 100% X Ray) ASME B16-9

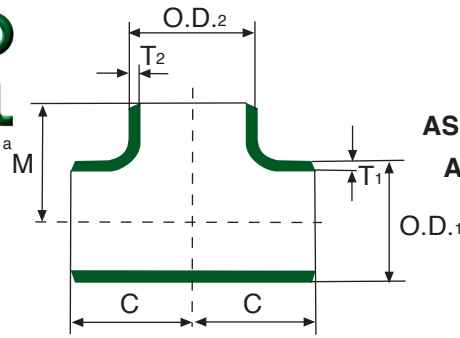
DIMENSIONS (unit: mm)

Nominal Pipe Sizes	Outside Diameter (OD)	Wall Thickness (T)				Centre to End (C)	M
		Sch. 5S	Sch. 10S	STD Sch. 40S	XS Sch. 80S		
1/2	21.34	1.65	2.11	2.77	3.73	25.40	25.40
3/4	26.67	1.65	2.11	2.87	3.91	28.70	28.70
1	33.40	1.65	2.77	3.38	4.55	38.10	38.10
1 1/4	42.16	1.65	2.77	3.56	4.85	47.75	47.75
1 1/2	48.26	1.65	2.77	3.68	5.08	57.15	57.15
2	60.32	1.65	2.77	3.91	5.54	63.50	63.50
2 1/2	73.02	2.11	3.05	5.16	7.01	76.20	76.20
3	88.90	2.11	3.05	5.49	7.62	85.85	85.85
4	114.30	2.11	3.05	6.02	8.56	104.90	104.90
5	141.30	2.77	3.40	6.55	9.53	123.95	123.95
6	168.27	2.77	3.40	7.11	10.97	143.00	143.00
8	219.08	2.77	3.76	8.18	12.70	177.80	177.80
10	273.05	3.40	4.19	9.27	12.70	215.90	215.90
12	323.85	3.96	4.57	9.53	12.70	254.00	254.00
14	355.60	3.96	4.78	9.53	12.70	279.40	279.40
16	406.40	4.19	4.78	9.53	12.70	304.80	304.80
18	457.20	4.19	4.78	9.53	12.70	342.90	342.90
20	508.00	4.78	5.54	9.53	12.70	381.00	381.00
22	558.80	4.78	5.54	9.53	12.70	419.10	419.10
24	609.60	5.54	6.35	9.53	12.70	431.80	431.80

WEIGHT (unit: kg)

Nominal Pipe Size	Sch. 5S	Sch. 10S	STD Sch. 40S	XS Sch. 80S
1/2	0.11	0.13	0.16	0.22
3/4	0.129	0.16	0.2	0.294
1	0.18	0.31	0.34	0.399
1 1/4	0.356	0.51	0.59	0.8
1 1/2	0.497	0.76	0.91	1.26
2	0.681	1.24	1.59	2.26
2 1/2	1.20	1.77	2.72	3.7
3	1.34	1.94	3.18	4.42
4	2.15	3.05	5.45	7.74
5	4.48	5.43	9.53	13.8
6	6.64	8.18	15.4	23.8
8	9.24	12.7	25	38.7
10	15.4	16	26	52.9
12	25.1	27.86	39	72.48
14	34	41	74.21	99.78
16	42.5	48.7	88.56	114.23
18	54	62	112.33	150
20	85	99	155	207
22	103	120	188	250
24	153	175	240	319





Reducing Tees

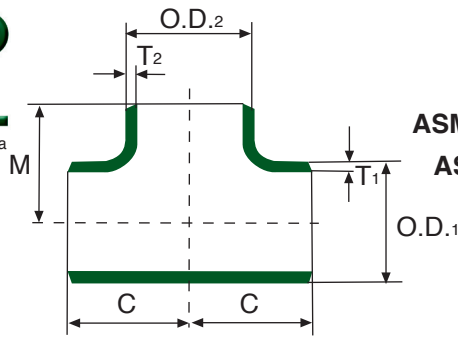
ASME/ASTM SA/A403 WPS (Seamless) ASME B16-9

ASME/ASTM SA/A403 WPW (Welded) ASME B16-9

ASME/ASTM SA/A403 WPWX
(Welded, 100% X Ray) ASME B16-9

DIMENSIONS (unit: mm)														WEIGHTS (unit: kg)					
Nom. Pipe Size Run	Outlet	Out-Side Dia. OD ₁	Out-Side Dia. OD ₂	Wall Thickness (T ₁ , T ₂)								Centre to End (C)	Centre to End (M)	Nominal Pipe Size (inch)	Outlet	Sch. 5S	Sch. 10S	STD Sch. 40S	XS Sch. 80S
				Sch. 5S T ₁	Sch. 5S T ₂	Sch. 10S T ₁	Sch. 10S T ₂	STD Sch. 40S T ₁	STD Sch. 40S T ₂	XS Sch. 80S T ₁	XS Sch. 80S T ₂								
3/4	1/2	26.67	21.34	1.65	1.65	2.11	2.11	2.87	2.77	3.91	3.73	28.70	28.70	3/4	1/2	0.14	0.19	0.23	0.31
1	1/2	33.40	21.34	1.65	1.65	2.77	2.11	3.38	2.77	4.55	3.73	38.10	38.10	1	1/2	0.22	0.36	0.40	0.54
1	3/4	33.40	26.67	1.65	1.65	2.77	2.11	3.38	2.87	4.55	3.91	38.10	38.10	1	3/4	0.23	0.38	0.42	0.57
1 1/4	3/4	42.16	26.67	1.65	1.65	2.77	2.11	3.56	2.87	4.85	3.91	47.75	47.75	1 1/4	3/4	0.35	0.58	0.68	0.92
1 1/4	1	42.16	33.40	1.65	1.65	2.77	2.77	3.56	3.38	4.85	4.55	47.75	47.75	1 1/4	1	0.35	0.58	0.68	0.92
1 1/2	1/2	48.26	21.34	1.65	1.65	2.77	2.11	3.68	2.77	5.08	3.73	57.15	57.15	1 1/2	1/2	0.45	0.76	0.91	1.26
1 1/2	3/4	48.26	26.67	1.65	1.65	2.77	2.11	3.68	2.87	5.08	3.91	57.15	57.15	1 1/2	3/4	0.48	0.81	0.97	1.34
1 1/2	1	48.26	33.40	1.65	1.65	2.77	2.77	3.68	3.38	5.08	4.55	57.15	57.15	1 1/2	1	0.49	0.82	0.99	1.37
1 1/2	1 1/4	48.26	42.16	1.65	1.65	2.77	2.77	3.68	3.56	5.08	4.85	57.15	57.15	1 1/2	1 1/4	0.50	0.85	1.02	1.41
2	3/4	60.32	26.67	1.65	1.65	2.77	2.11	3.91	2.87	5.54	3.91	63.50	44.45	2	3/4	0.68	1.15	1.48	2.10
2	1	60.32	33.40	1.65	1.65	2.77	2.77	3.91	3.38	5.54	4.55	63.50	50.80	2	1	0.73	1.24	1.59	2.26
2	1 1/4	60.32	42.16	1.65	1.65	2.77	2.77	3.91	3.56	5.54	4.85	63.50	57.15	2	1 1/4	0.75	1.27	1.63	2.31
2	1 1/2	60.32	48.26	1.65	1.65	2.77	2.77	3.91	3.68	5.54	5.08	63.50	60.45	2	1 1/2	0.78	1.33	1.70	2.41
2 1/2	1 1/2	73.02	48.26	2.11	1.65	3.05	2.77	5.16	3.68	7.01	5.08	76.20	66.80	2 1/2	1 1/2	1.13	1.63	2.50	3.40
2 1/2	2	73.02	60.32	2.11	1.65	3.05	2.77	5.16	3.91	7.01	5.54	76.20	69.85	2 1/2	2	1.22	1.77	2.72	3.70
3	1 1/2	88.90	48.26	2.11	1.65	3.05	2.77	5.49	3.68	7.62	5.08	85.85	73.15	3	1 1/2	1.19	1.73	2.84	3.95
3	2	88.90	60.32	2.11	1.65	3.05	2.77	5.49	3.91	7.62	5.54	85.85	76.20	3	2	1.24	1.80	2.95	4.10
3	2 1/2	88.90	73.02	2.11	2.11	3.05	3.05	5.49	5.16	7.62	7.01	85.85	82.55	3	2 1/2	1.29	1.87	3.06	4.25
4	1 1/2	114.30	48.26	2.11	1.65	3.05	2.77	6.02	3.68	8.56	5.08	104.90	85.85	4	1 1/2	1.97	2.83	5.06	7.19
4	2	114.30	60.32	2.11	1.65	3.05	2.77	6.02	3.91	8.56	5.54	104.90	88.90	4	2	1.99	2.86	5.11	7.26
4	2 1/2	114.30	73.02	2.11	2.11	3.05	3.05	6.02	5.16	8.56	7.01	104.90	95.25	4	2 1/2	2.00	2.87	5.13	7.28
4	3	114.30	88.90	2.11	2.11	3.05	3.05	6.02	5.49	8.56	7.62	104.90	98.55	4	3	2.06	2.95	5.27	7.48
5	3	141.30	88.90	2.77	2.11	3.40	3.05	6.55	5.49	9.53	7.62	123.95	111.25	5	3	4.27	5.18	9.08	13.2
5	4	141.30	114.30	2.77	2.11	3.40	3.05	6.55	6.02	9.53	8.56	123.95	117.60	5	4	4.48	5.43	9.53	13.8
6	2 1/2	168.27	73.02	2.77	2.11	3.40	3.05	7.11	5.16	10.97	7.01	143.00	120.65	6	2 1/2	6.25	3.70	14.5	22.4
6	3	168.27	88.90	2.77	2.11	3.40	3.05	7.11	5.49	10.97	7.62	143.00	123.95	6	3	6.35	7.82	14.80	22.9
6	4	168.27	114.30	2.77	2.11	3.40	3.05	7.11	6.02	10.97	8.56	143.00	130.30	6	4	6.54	8.06	15.2	23.4
6	5	168.27	141.30	2.77	2.77	3.40	3.40	7.11	6.55	10.97	9.53	143.00	136.65	6	5	6.23	8.30	15.7	24.1

see next page for 8" and larger



Reducing Tees (cont.)

ASME/ASTM SA/A403 WPS (Seamless) ASME B16-9

ASME/ASTM SA/A403 WPW (Welded) ASME B16-9

ASME/ASTM SA/A403 WPWX

(Welded, 100% X Ray) ASME B16-9

DIMENSIONS (unit: mm)													WEIGHTS (unit: kg)						
Nom. Pipe Size Run inch.	Outlet inch.	Out-Side Dia. OD ₁	Out-Side Dia. OD ₂	Wall Thickness (T ₁ , T ₂)								Centre to End (C)	Centre to End (M)	Nominal Pipe Size (inch)	Outlet	Sch. 5S	Sch. 10S	STD Sch. 40S	XS Sch. 80S
				Sch. 5S T ₁	Sch. 5S T ₂	Sch. 10S T ₁	Sch. 10S T ₂	STD Sch. 40S T ₁	STD Sch. 40S T ₂	XS Sch. 80S T ₁	XS Sch. 80S T ₂								
8	4	219.08	114.30	2.77	2.11	3.76	3.05	8.18	6.02	12.70	8.56	177.80	155.70	8	4	8.69	12.0	23.5	36.4
8	5	219.08	141.30	2.77	2.77	3.76	3.40	8.18	6.55	12.70	9.53	177.80	162.05	8	5	8.90	12.3	24.1	37.3
8	6	219.08	168.27	2.77	2.77	3.76	3.40	8.18	7.11	12.70	10.97	177.80	168.40	8	6	9.07	12.5	24.5	38.0
10	5	273.05	141.30	3.40	2.77	4.19	3.40	9.27	6.55	12.70	9.53	215.90	190.50	10	5	14.7	18.4	36.8	50.4
10	6	273.05	168.27	3.40	2.77	4.19	3.40	9.27	7.11	12.70	10.97	215.90	193.80	10	6	15.1	18.8	37.7	51.6
10	8	273.05	219.08	3.40	2.77	4.19	3.76	9.27	8.18	12.70	12.70	215.90	203.20	10	8	15.3	19.2	38.4	52.3
12	6	323.85	168.27	3.96	2.77	4.57	3.40	9.53	7.11	12.70	10.97	254.00	219.20	12	6	23.8	27.4	51.8	68.8
12	8	323.85	219.08	3.96	2.77	4.57	3.76	9.53	8.18	12.70	12.70	254.00	228.60	12	8	24.4	28.2	53.1	70.7
12	10	323.85	273.05	3.96	3.40	4.57	4.19	9.53	9.27	12.70	12.70	254.00	241.30	12	10	24.9	28.6	54.0	71.9
14	8	355.60	219.08	3.96	2.77	4.78	3.76	9.53	8.18	12.70	12.70	279.40	247.65	14	8	32.4	38.7	70.4	93.6
14	10	355.60	273.05	3.96	3.40	4.78	4.19	9.53	9.27	12.70	12.70	279.40	257.30	14	10	33.0	39.5	71.7	95.4
14	12	355.60	323.85	3.96	3.96	4.78	4.57	9.53	9.53	12.70	12.70	279.40	270.00	14	12	33.4	40.0	72.6	96.6
16	10	406.40	273.05	4.19	3.40	4.78	4.19	9.53	9.27	12.70	12.70	304.80	282.70	16	10	40.5	46.4	84.4	112
16	12	406.40	323.85	4.19	3.96	4.78	4.57	9.53	9.53	12.70	12.70	304.80	295.40	16	12	41.6	47.7	86.7	115
16	14	406.40	335.60	4.19	3.96	4.78	4.78	9.53	9.53	12.70	12.70	304.80	304.80	16	14	42.3	48.4	88.1	117
18	12	457.20	323.85	4.19	3.96	4.78	4.57	9.53	9.53	12.70	12.70	342.90	320.80	18	12	50.1	57.4	104	139
18	14	457.20	355.60	4.19	3.96	4.78	4.78	9.53	9.53	12.70	12.70	342.90	330.20	18	14	51.4	58.9	107	143
18	16	457.20	406.40	4.19	4.19	4.78	4.78	9.53	9.53	12.70	12.70	342.90	330.20	18	16	52.5	60.2	109	146
20	14	508.00	355.60	4.78	3.96	5.54	4.18	9.53	9.53	12.70	12.70	381.00	355.60	20	14	83.9	97.6	153	203
20	16	508.00	406.40	4.78	4.19	5.54	4.78	9.53	9.53	12.70	12.70	381.00	355.60	20	16	84.4	98.2	153	204
20	18	508.00	457.20	4.78	4.19	5.54	4.78	9.53	9.53	12.70	12.70	381.00	368.30	20	18	84.9	98.8	154	205
22	16	558.80	406.40	4.78	4.19	5.54	4.78	9.53	9.53	12.70	12.70	419.10	381.0	22	16	102	119	185	246
22	18	558.80	457.20	4.78	4.19	5.54	4.78	9.53	9.53	12.70	12.70	419.10	393.70	22	18	102	119	186	248
22	20	558.80	508.00	4.78	4.78	5.54	5.54	9.53	9.53	12.70	12.70	419.10	406.40	22	20	103	120	187	249
24	16	609.60	406.40	5.54	4.19	6.35	4.78	9.53	9.53	12.70	12.70	431.80	406.40	24	16	150	171	234	312
24	18	609.60	457.20	5.54	4.19	6.35	4.78	9.53	9.53	12.70	12.70	431.80	419.10	24	18	151	172	236	313
24	20	609.60	508.00	5.54	4.78	6.35	5.54	9.53	9.53	12.70	12.70	431.80	431.80	24	20	152	173	237	315
24	22	609.60	558.80	5.54	4.78	6.35	5.54	9.53	9.53	12.70	12.70	431.80	431.80	24	22	153	174	238	317