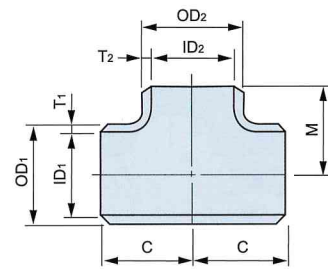


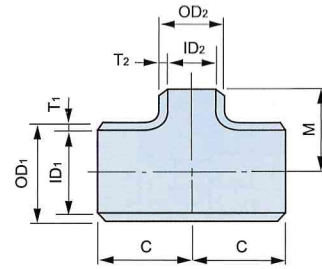
TEE

Straight and Reducing Outlet Tees

ASME B 16.9
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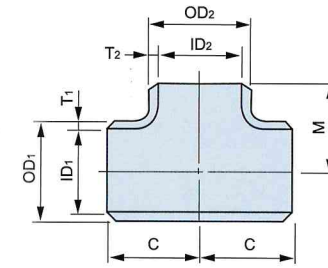


TEE (STRAIGHT)

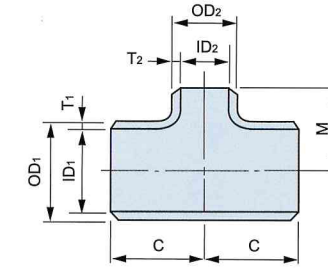


TEE (REDUCING)

Nominal Pipe Size	Dimensions				Wall Thickness									
	Outside Diameter at Bevel : D ₁ /D ₂		Center to End											
	OD ₁	OD ₂	C	M	Sch. 20		Sch. 30		STD / Sch.40s		Sch.40		Sch. 60	
NPS	mm	mm	mm	mm	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂
1/2 x 1/2	21.3	21.3	25	25	-	-	2.41	2.41	2.77	2.77	2.77	2.77	-	-
3/4 x 3/4	26.7	26.7	29	29	-	-	2.41	2.41	2.87	2.87	2.87	2.87	-	-
3/4 x 1/2	26.7	21.3	29	29	-	-	2.41	2.41	2.87	2.77	2.87	2.77	-	-
1 x 1	33.4	33.4	38	38	-	-	2.90	2.90	3.38	3.38	3.38	3.38	-	-
1 x 3/4	33.4	26.7	38	38	-	-	2.90	2.41	3.38	2.87	3.38	2.87	-	-
1 x 1/2	33.4	21.3	38	38	-	-	2.90	2.41	3.38	2.77	3.38	2.77	-	-
1 1/4 x 1 1/4	42.2	42.2	48	48	-	-	2.97	2.97	3.56	3.56	3.56	3.56	-	-
1 1/4 x 1	42.2	33.4	48	48	-	-	2.97	2.90	3.56	3.38	3.56	3.38	-	-
1 1/4 x 3/4	42.2	26.7	48	48	-	-	2.97	2.41	3.56	2.87	3.56	2.87	-	-
1 1/4 x 1/2	42.2	21.3	48	48	-	-	2.97	2.41	3.56	2.77	3.56	2.77	-	-
1 1/2 x 1 1/2	48.3	48.3	57	57	-	-	3.18	3.18	3.68	3.68	3.68	3.68	-	-
1 1/2 x 1 1/4	48.3	42.2	57	57	-	-	3.18	2.97	3.68	3.56	3.68	3.56	-	-
1 1/2 x 1	48.3	33.4	57	57	-	-	3.18	2.90	3.68	3.38	3.68	3.38	-	-
1 1/2 x 3/4	48.3	26.7	57	57	-	-	3.18	2.41	3.68	2.87	3.68	2.87	-	-
1 1/2 x 1/2	48.3	21.3	57	57	-	-	3.18	2.41	3.68	2.77	3.68	2.77	-	-
2 x 2	60.3	60.3	64	64	-	-	3.18	3.18	3.91	3.91	3.91	3.91	-	-
2 x 1 1/2	60.3	48.3	64	60	-	-	3.18	3.18	3.91	3.68	3.91	3.68	-	-
2 x 1 1/4	60.3	42.2	64	57	-	-	3.18	2.97	3.91	3.56	3.91	3.56	-	-
2 x 1	60.3	33.4	64	51	-	-	3.18	2.90	3.91	3.38	3.91	3.38	-	-
2 x 3/4	60.3	26.7	64	44	-	-	3.18	2.41	3.91	2.87	3.91	2.87	-	-
2 1/2 x 2 1/2	73.0	73.0	76	76	-	-	4.78	4.78	5.16	5.16	5.16	5.16	-	-
2 1/2 x 2	73.0	60.3	76	70	-	-	4.78	3.18	5.16	3.91	5.16	3.91	-	-
2 1/2 x 1 1/2	73.0	48.3	76	67	-	-	4.78	3.18	5.16	3.68	5.16	3.68	-	-
2 1/2 x 1 1/4	73.0	42.2	76	64	-	-	4.78	2.97	5.16	3.56	5.16	3.56	-	-
2 1/2 x 1	73.0	33.4	76	57	-	-	4.78	2.90	5.16	3.38	5.16	3.38	-	-
3 x 3	88.9	88.9	86	86	-	-	4.78	4.78	5.49	5.49	5.49	5.49	-	-
3 x 2 1/2	88.9	73.0	86	83	-	-	4.78	4.78	5.49	5.16	5.49	5.16	-	-
3 x 2	88.9	60.3	86	76	-	-	4.78	3.18	5.49	3.91	5.49	3.91	-	-
3 x 1 1/2	88.9	48.3	86	73	-	-	4.78	3.18	5.49	3.68	5.49	3.68	-	-
3 x 1 1/4	88.9	42.2	86	70	-	-	4.78	2.97	5.49	3.56	5.49	3.56	-	-
3 1/2 x 3 1/2	101.6	101.6	95	95	-	-	4.78	4.78	5.74	5.74	5.74	5.74	-	-
3 1/2 x 3	101.6	88.9	95	92	-	-	4.78	4.78	5.74	5.49	5.74	5.49	-	-
3 1/2 x 2 1/2	101.6	73.0	95	89	-	-	4.78	4.78	5.74	5.16	5.74	5.16	-	-
3 1/2 x 2	101.6	60.3	95	83	-	-	4.78	3.18	5.74	3.91	5.74	3.91	-	-
3 1/2 x 1 1/2	101.6	48.3	95	79	-	-	4.78	3.18	5.74	3.68	5.74	3.68	-	-



TEE (STRAIGHT)



TEE (REDUCING)

Wall Thickness														Nominal Pipe Size
XS / Sch. 80s		Sch. 80		Sch. 100		Sch. 120		Sch.140		Sch.160		XXS		
T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
3.73	3.73	3.73	3.73	-	-	-	-	-	-	4.78	4.78	7.47	7.47	1/2 x 1/2
3.91	3.91	3.91	3.91	-	-	-	-	-	-	5.56	5.56	7.82	7.82	3/4 x 3/4
3.91	3.73	3.91	3.73	-	-	-	-	-	-	5.56	4.78	7.82	7.47	3/4 x 1/2
4.55	4.55	4.55	4.55	-	-	-	-	-	-	6.35	6.35	9.09	9.09	1 x 1
4.55	3.91	4.55	3.91	-	-	-	-	-	-	6.35	5.56	9.09	7.82	1 x 3/4
4.55	3.73	4.55	3.73	-	-	-	-	-	-	6.35	4.78	9.09	7.47	1 x 1/2
4.85	4.85	4.85	4.85	-	-	-	-	-	-	6.35	6.35	9.70	9.70	1 1/4 x 1 1/4
4.85	4.55	4.85	4.55	-	-	-	-	-	-	6.35	6.35	9.70	9.09	1 1/4 x 1
4.85	3.91	4.85	3.91	-	-	-	-	-	-	6.35	5.56	9.70	7.82	1 1/4 x 3/4
4.85	3.73	4.85	3.73	-	-	-	-	-	-	6.35	4.78	9.70	7.47	1 1/4 x 1/2
5.08	5.08	5.08	5.08	-	-	-	-	-	-	7.14	7.14	10.15	10.15	1 1/2 x 1 1/2
5.08	4.85	5.08	4.85	-	-	-	-	-	-	7.14	6.35	10.15	9.70	1 1/2 x 1 1/4
5.08	4.55	5.08	4.55	-	-	-	-	-	-	7.14	6.35	10.15	9.09	1 1/2 x 1
5.08	3.91	5.08	3.91	-	-	-	-	-	-	7.14	5.56	10.15	7.82	1 1/2 x 3/4
5.08	3.73	5.08	3.73	-	-	-	-	-	-	7.14	4.78	10.15	7.47	1 1/2 x 1/2
5.54	5.54	5.54	5.54	-	-	-	-	-	-	8.74	8.74	11.07	11.07	2 x 2
5.54	5.08	5.54	5.08	-	-	-	-	-	-	8.74	7.14	11.07	10.15	2 x 1 1/2
5.54	4.85	5.54	4.85	-	-	-	-	-	-	8.74	6.35	11.07	9.70	2 x 1 1/4
5.54	4.55	5.54	4.55	-	-	-	-	-	-	8.74	6.35	11.07	9.09	2 x 1
5.54	3.91	5.54	3.91	-	-	-	-	-	-	8.74	5.56	11.07	7.82	2 x 3/4
7.01	7.01	7.01	7.01	-	-	-	-	-	-	9.53	9.53	14.02	14.02	2 1/2 x 2 1/2
7.01	5.54	7.01	5.54	-	-	-	-	-	-	9.53	8.74	14.02	11.07	2 1/2 x 2
7.01	5.08	7.01	5.08	-	-	-	-	-	-	9.53	7.14	14.02	10.15	2 1/2 x 1 1/2
7.01	4.85	7.01	4.85	-	-	-	-	-	-	9.53	6.35	14.02	9.70	2 1/2 x 1 1/4
7.01	4.55	7.01	4.55	-	-	-	-	-	-	9.53	6.35	14.02	9.09	2 1/2 x 1
7.62	7.62	7.62	7.62	-	-	-	-	-	-	11.13	11.13	15.24	15.24	3 x 3
7.62	7.01	7.62	7.01	-	-	-	-	-	-	11.13	9.53	15.24	14.02	3 x 2 1/2
7.62	5.54	7.62	5.54	-	-	-	-	-	-	11.13	8.74	15.24	11.07	3 x 2
7.62	5.08	7.62	5.08	-	-	-	-	-	-	11.13	7.14	15.24	10.15	3 x 1 1/2
7.62	4.85	7.62	4.85	-	-	-	-	-	-	11.13	6.35	15.24	9.70	3 x 1 1/4
8.08	8.08	8.08	8.08	-	-	-	-	-	-	-	-	-	-	3 1/2 x 3 1/2
8.08	7.62	8.08	7.62	-	-	-	-	-	-	-	-	-	-	3 1/2 x 3
8.08	7.01	8.08	7.01	-	-	-	-	-	-	-	-	-	-	3 1/2 x 2 1/2
8.08	5.54	8.08	5.54	-	-	-	-	-	-	-	-	-	-	3 1/2 x 2
8.08	5.08	8.08	5.08	-	-	-	-	-	-	-	-	-	-	3 1/2 x 1 1/2

TEE

Straight and Reducing Outlet Tees

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