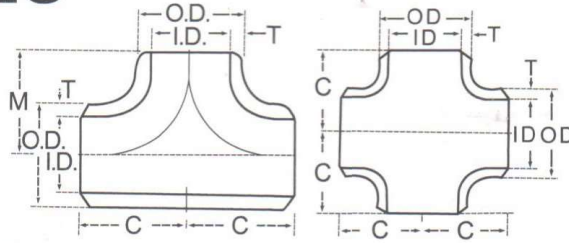


# STRAIGHT TEES & CROSSES\*

Standard Weight and  
Extra Strong

Carbon and ferritic alloy steel,  
ASTM A-234, ASME/ANSI B16.9



NPS	DN	Outside Diameter O.D.	Centre to End, Run. C	Center to End, Outlet M	STANDARD WEIGHT				EXTRA STRONG			
					Inside Diameter I.D.	Wall Thickness T	Approx. Weight Tee	Approx. Weight Cross	Inside Diameter I.D.	Wall Thickness T	Approx. Weight Tee	Approx. Weight Cross
1/2	15	.840 21	1.00 25	1.00 25	.622 15.80	.109 2.77	.25 .11	- -	.546 187	.147 3.73	.34 .15	- -
3/4	20	1.050 27	1.12 29	1.12 29	.824 20.93	.113 2.87	.37 .17	- -	.742 18.85	.154 3.91	.44 .2	- -
1	25	1.315 33	1.50 38	1.50 38	1.049 26.64	.133 3.38	.63 .28	- -	.957 24.31	.179 4.55	.8 .36	- -
1 1/4	32	1.660 42	1.88 48	1.88 48	1.380 35.05	.140 3.56	1.25 .57	1.60 .72	1.278 32.46	.191 4.85	1.6 .73	2.20 .99
1 1/2	40	1.900 48	2.25 57	2.25 57	1.610 40.89	.145 3.68	1.5 .68	2.10 .95	1.500 38.10	.200 5.08	2.0 .9	2.60 1.17
2	50	2.375 60	2.25 64	2.50 64	2.067 52.50	.154 3.91	2.0 .9	2.55 1.15	1.939 49.25	.218 5.54	3.0 1.3	3.25 1.46
2 1/2	65	2.875 73	3.00 76	3.00 76	2.469 62.71	.203 5.16	4.0 1.8	3.40 1.53	2.323 59.00	.276 7.01	5.7 2.6	4.15 1.87
3	80	3.500 89	3.38 86	3.38 86	3.068 77.93	.216 5.49	6.0 2.7	4.10 1.85	2.900 73.66	.300 7.62	7.7 3.5	6.20 2.79
3 1/2	90	4.000 102	3.75 95	3.75 95	3.548 90.12	.226 5.74	7.5 3.4	5.65 2.54	3.364 85.45	.318 8.08	10.0 .45	9.50 4.28
4	100	4.500 114	4.12 105	4.12 105	4.026 102.3	.237 6.02	10.2 4.6	9.25 4.16	3.826 97.18	.337 8.56	14 6.3	12.7 5.72
5	125	5.563 141	4.88 125	4.88 125	5.047 128.2	.258 6.55	16 7.3	11.20 5.04	4.813 122.2	.375 9.53	23 10.4	18.0 9.1
6	150	6.625 188	5.62 143	5.62 143	6.065 154.0	.280 7.11	23.5 10.7	25.0 11	5.761 146.3	.432 10.97	38.2 17	31.5 14
8	200	8.625 218	7.00 178	7.00 178	7.981 202.7	.322 8.18	44.8 20	41.5 19	7.625 193.7	.500 12.70	67 30	52.0 24
10	250	10.750 273	8.50 216	8.50 216	10.02 254.5	.365 9.27	74.2 34	72 32	9.750 247.6	.500 12.70	110 50	85.0 38
12	300	12.750 324	10.0 254	10.0 254	12.00 304.8	.375 9.53	126 56.70	96 43	11.750 298.4	.500 12.70	165 74	130 59
14	350	14.000 356	11.0 279	11.0 279	13.25 336.6	.375 9.53	159 71.55	121 54	13.00 330.2	.500 12.70	225 101	145 65
16	400	16.000 406	12.0 305	12.0 305	15.25 387.4	.375 9.53	220 99.0	145 65	15.00 381.0	.500 12.70	265 119	180 81
18	450	18.000 457	13.5 343	13.5 343	17.25 438.2	.375 9.53	295 132.8	170 77	17.00 431.8	.500 12.70	358 161	210 95
20	500	20.000 508	15.0 381	15.0 381	19.25 489.0	.375 9.53	363 163.4	195 88	19.00 482.6	.500 12.70	358 161	210 95
22	550	22.000 559	16.5 419	16.5 419	21.25 539.8	.375 9.53	449 202	- -	21.00 533.4	.500 12.70	540 243	- -
24	600	24.000 610	17.0 432	17.0 590.6	23.25 590.6	.375 9.53	515 103	230 584.2	23.00 12.70	.500 12.70	625 135	300
26	650	26.000 660	19.5 495	19.5 495	25.25 641.4	.375 9.53	655 295	- -	25.00 635.0	.500 12.70	840 378	- -
30	750	30.000 762	22.0 559	22.0 559	29.25 743.0	.375 9.53	1010 455	- -	29.00 736.6	.500 12.70	1175 529	- -
36	900	36.000 914	26.5 673	26.5 673	35.25 895.4	.375 9.53	1450 653	- -	35.00 889.0	.500 12.70	1650 743	- -
42	1100	42.000 1067	30.0 762	28.0 711	41.25 1048	.375 9.53	1730 779	- -	41.00 1041	.500 12.70	1970 887	- -

Tees size 20 NPS (DN 500) and smaller, and Crosses size 16 NPS (DN 400) and smaller, are normally furnished as seamless. Larger size non-seamless Tees and Crosses are produced from X-rayed, stress relieved welded pipe. Welds are 100% radiographed in accordance with the requirements of ASME Boiler & Pressure Vessel Code

\*Reduced outlet crosses available on request. These fittings are also available in other sizes and/or wall thicknesses.

INCHES  
MILLIMETRES

POUNDS  
KILOGRAMS