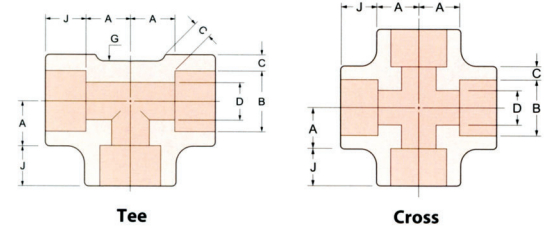


## Tee, Cross

3000# 6000# 9000#



Tee

Cross

(Unit : mm)

ANSI B16.11

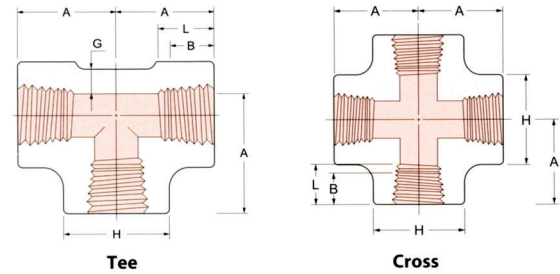
Nom Pipe Size	Body Wall Thickness Min-G		
	3000	6000	9000
1/8	2.41	3.15	-
1/4	3.02	3.68	-
3/8	3.20	4.01	-
1/2	3.73	4.78	7.47
3/4	3.91	5.56	7.82
1	4.55	6.35	9.09
1 1/4	4.85	6.35	9.70
1 1/2	5.08	7.14	10.15
2	5.54	8.74	11.07
2 1/2	7.01	-	-
3	7.62	-	-
4	8.56	-	-

Center to Bottom of Socket-A					
90° Elbow, Tees and Crosses			45° Elbow		
3000	6000	9000	3000	6000	9000
11.0	11.0	-	8.0	8.0	-
11.0	13.5	-	8.0	8.0	-
13.5	15.5	-	8.0	11.0	-
15.5	19.0	25.5	11.0	12.5	15.5
19.0	22.5	28.5	13.0	14.0	19.0
22.5	27.0	32.0	14.0	17.5	20.5
27.0	32.0	35.0	17.5	20.5	22.5
32.0	38.0	38.0	20.5	25.5	25.5
38.0	41.0	54.0	25.5	28.5	28.5
41.0	-	-	28.5	-	-
57.0	-	-	32.0	-	-
66.5	-	-	41.0	-	-

- Dimensions are in millimeters.
- Average of socket wall thickness around periphery shall be no less than listed values. The minimum values are permitted in localized areas.

## Tee, Cross

2000# 3000# 6000#



ANSI B16.11

Nom Pipe Size	Center to End Elbow, Tees, Crosses A			Min Outside Diameter of H		
	2000	3000	6000	2000	3000	6000
1/8	21	21	25	22	22	25
1/4	21	25	28	22	25	33
3/8	25	28	33	25	33	38
1/2	28	33	38	33	38	46
3/4	33	38	44	38	46	56
1	38	44	51	46	56	62
1 1/4	44	51	60	56	62	75
1 1/2	51	60	64	62	75	84
2	60	64	83	75	84	102
2 1/2	76	83	95	92	102	121
3	86	95	106	109	121	146
4	106	114	114	146	152	152

(Unit : mm)

Minimum Wall Thickness G			Length of thread Min(1)	
2000	3000	6000	B	L
3.18	3.18	6.35	6.4	6.7
3.18	3.30	6.60	8.1	10.2
3.18	3.51	6.98	9.1	10.4
3.18	4.09	8.15	10.9	13.6
3.18	4.32	8.53	12.7	13.9
3.68	4.98	9.93	14.7	17.3
3.89	5.28	10.59	17.0	18.0
4.01	5.56	11.07	17.8	18.4
4.27	7.14	12.09	19.0	19.2
5.61	7.65	15.29	23.6	28.9
5.99	8.84	16.64	25.9	30.5
6.55	11.18	18.67	27.7	33.0

- Dimensions B is minimum length of perfect thread. The length of useful thread(L plus threads with fully formed roots and crests) shall not be less than L(effective length of external thread) required by American National Standard for Pipe Threads(ASME B1.20.1)