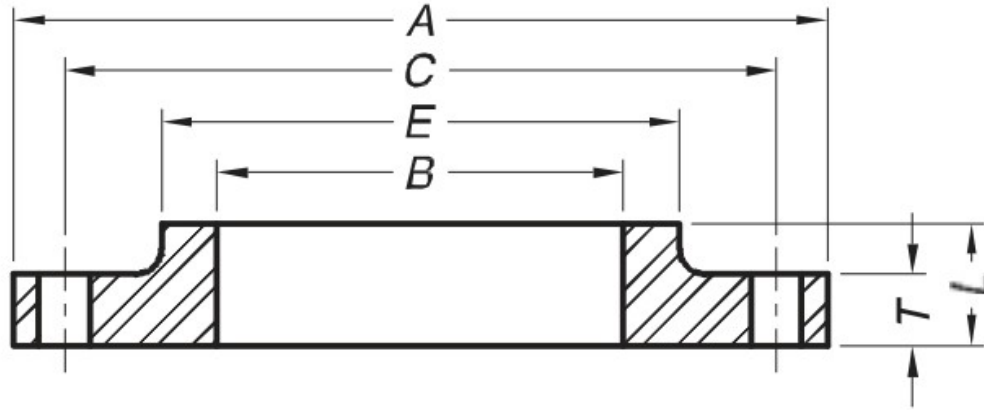
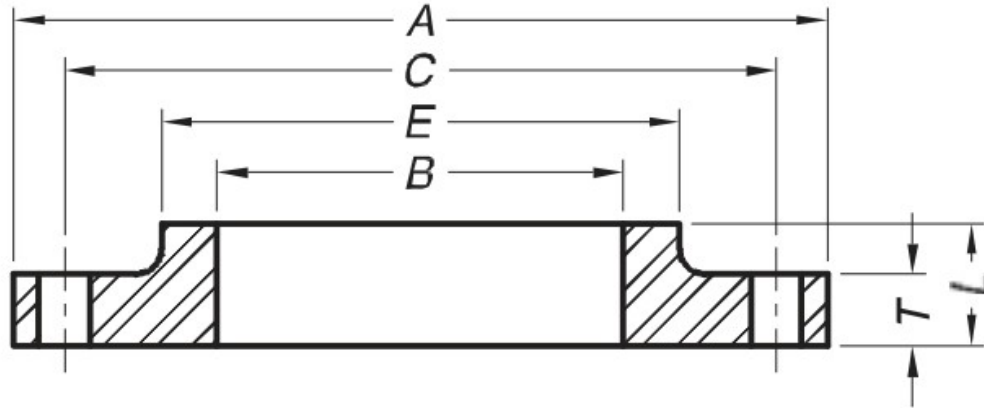


Steel-hub flanges Class D (175-150 psi) - AWWA C207



NPS	DN	OD, A	ID, B	Number of Bolts	Diam.of Bolt Circle, C	Diam.of Bolt Holes	T	L	E
4	100	228.6	116.1	8	190.5	19.1	12.7	22.2	134.9
5	125	254.0	143.8	8	215.9	22.2	14.3	31.8	160.3
6	150	279.4	170.7	8	241.3	22.2	14.3	31.8	192.1
8	200	342.9	221.5	8	298.5	22.2	14.3	31.8	246.1
10	250	406.4	276.4	12	362.0	25.4	17.5	31.8	304.8
12	300	482.6	327.2	12	431.8	25.4	17.5	31.8	365.1
14	350	533.4	360.4	12	476.3	28.6	19.1	31.8	400.1
16	400	596.9	411.2	16	539.8	28.6	19.1	31.8	457.2
18	450	635.0	462.0	16	577.9	31.8	19.1	31.8	504.8
20	500	698.5	512.8	20	635.0	31.8	19.1	31.8	558.8
22	550	749.3	563.6	20	692.2	34.9	25.4	44.5	616.0
24	600	812.8	614.4	20	749.3	34.9	25.4	44.5	663.6
26	650	870.0	665.2	24	806.5	34.9	25.4	44.5	723.9
28	700	927.1	716.0	28	863.6	34.9	25.4	44.5	774.7
30	750	984.3	766.8	28	914.4	34.9	25.4	44.5	825.5
32	800	1060.5	817.6	28	977.9	41.3	28.6	44.5	882.7
34	850	1111.3	868.4	32	1028.7	41.3	28.6	44.5	933.5
36	900	1168.4	919.2	32	1085.9	41.3	28.6	44.5	984.3
38	950	1238.3	970.0	32	1149.4	41.3	28.6	44.5	1035.1
40	1000	1289.1	1020.8	36	1200.2	41.3	28.6	44.5	1092.2
42	1050	1346.2	1071.6	36	1257.3	41.3	31.8	44.5	1143.0
44	1100	1403.4	1122.4	40	1314.5	41.3	31.8	57.2	1193.8
46	1150	1454.2	1173.2	40	1365.3	41.3	31.8	57.2	1244.6
48	1200	1511.3	1224.0	44	1422.4	41.3	34.9	63.5	1295.4
50	1250	1568.5	1274.8	44	1479.6	47.6	34.9	63.5	1346.2
52	1300	1625.6	1325.6	44	1536.7	47.6	34.9	63.5	1397.0
54	1350	1682.8	1376.4	44	1593.9	47.6	34.9	63.5	1447.8
60	1500	1854.2	1528.8	52	1759.0	47.6	38.1	69.9	1600.2
66	1650	2032.0	1681.2	52	1930.4	47.6	38.1	69.9	1752.6
72	1800	2197.1	1833.6	60	2095.5	47.6	38.1	69.9	1905.0
78	1950	2362.2	1986.0	64	2260.6	54.0	44.5	76.2	2063.8
84	2100	2533.7	2138.4	64	2425.7	54.0	44.5	76.2	2222.5
90	2250	2705.1	2290.8	68	2590.8	60.3	50.8	82.6	2381.3
96	2400	2876.6	2443.2	68	2755.9	60.3	50.8	82.6	2540.0

Steel-hub flanges Class E (275 psi) - AWWA C207



NPS	DN	OD, A	ID, B	Number of Bolts	Diam.of Bolt Circle, C	Diam.of Bolt Holes	T	L	E
4	100	228.6	116.1	8	190.5	19.1	23.8	33.3	134.9
5	125	254.0	143.8	8	215.9	22.2	23.8	36.5	163.5
6	150	279.4	170.7	8	241.3	22.2	25.4	39.7	192.1
8	200	342.9	221.5	8	298.5	22.2	28.6	44.5	246.1
10	250	406.4	276.4	12	362.0	25.4	30.2	49.2	304.8
12	300	482.6	327.2	12	431.8	25.4	31.8	55.6	365.1
14	350	533.4	360.4	12	476.3	28.6	34.9	57.2	400.1
16	400	596.9	411.2	16	539.8	28.6	36.5	63.5	457.2
18	450	635.0	462.0	16	577.9	31.8	39.7	68.3	504.8
20	500	698.5	512.8	20	635.0	31.8	42.9	73.0	558.8
22	550	749.3	563.6	20	692.2	34.9	46.0	79.4	609.6
24	600	812.8	614.4	20	749.3	34.9	48.2	82.6	663.6
26	650	870.0	665.2	24	806.5	34.9	50.8	85.7	723.9
28	700	927.1	716.0	28	863.6	34.9	52.4	87.3	781.1
30	750	984.3	766.8	28	914.4	34.9	54.0	88.9	831.9
32	800	1060.5	817.6	28	977.9	41.3	57.2	92.1	889.0
34	850	1111.3	868.4	32	1028.7	41.3	58.7	93.7	939.8
36	900	1168.4	919.2	32	1085.9	41.3	60.3	95.3	997.0
38	950	1238.3	970.0	32	1149.4	41.3	60.3	95.3	1060.5
40	1000	1289.1	1020.8	36	1200.2	41.3	63.5	98.4	1111.3
42	1050	1346.2	1071.6	36	1257.3	41.3	66.7	101.6	1168.4
44	1100	1403.4	1122.4	40	1314.5	41.3	66.7	101.6	1219.2
46	1150	1454.2	1173.2	40	1365.3	41.3	68.3	103.2	1270.0
48	1200	1511.3	1224.0	44	1422.4	41.3	69.9	104.8	1327.2
50	1250	1568.5	1274.8	44	1479.6	47.6	69.9	104.8	1378.0
52	1300	1625.6	1325.6	44	1536.7	47.6	73.0	108.0	1435.1
54	1350	1682.8	1376.4	44	1593.9	47.6	76.2	111.1	1492.3
60	1500	1854.2	1528.8	52	1759.0	47.6	79.4	114.3	1657.4
66	1650	2032.0	1681.2	52	1930.4	47.6	85.7	123.8	1816.1
72	1800	2197.1	1833.6	60	2095.5	47.6	88.9	127.0	1993.9
78	1950	2362.2	1986.0	64	2260.6	54.0	98.4	136.5	2146.3
84	2100	2533.7	2138.4	64	2425.7	54.0	98.4	136.5	2298.7
90	2250	2705.1	2290.8	68	2590.8	60.3	108.0	146.1	2457.5
96	2400	2876.6	2443.2	68	2755.9	60.3	108.0	146.1	2609.9