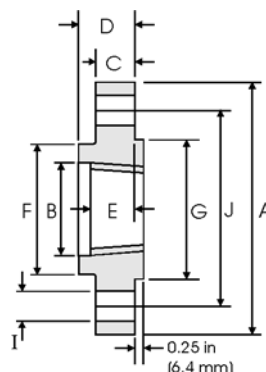


Threaded Flanges - ANSI B16.5



Class 900 lb

Pipe		Flange Data						Hub	Raised Face	Drilling Data			Weight
Nominal Pipe Size		A	B	C	D	E	F	G	H	I	J		
	Outside Diameter	Diameter Overall	Counter-bore min	Flange Thickness min	Overall Length	Threaded length min	Hub Diameter	Face Diameter	Number of Holes	Bolt Hole Diameter	Diameter of Circle of Holes	kg/ piece	
	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm					
1/2	0.840 21.30	4.750 120.6	0.930 23.60	0.880 22.30	1.250 31.70	0.880 22.30	1.500 38.10	1.380 35.10	4	0.880 22.30	3.250 82.50	1.74	
3/4	1.050 26.70	5.120 130.0	1.140 29.00	1.000 25.40	1.380 35.00	1.000 25.40	1.750 44.40	1.690 42.90	4	0.880 22.30	3.500 88.90	2.34	
1	1.315 33.40	5.880 149.3	1.410 35.80	1.120 28.40	1.620 41.10	1.120 28.40	2.060 52.30	2.000 50.80	4	1.000 25.40	4.000 101.6	3.44	
1 1/4	1.660 42.20	6.250 158.7	1.750 44.40	1.120 28.40	1.620 41.10	1.190 30.20	2.500 63.50	2.500 63.50	4	1.000 25.40	4.380 111.2	3.91	
1 1/2	1.900 48.30	7.000 177.8	1.990 50.50	1.250 31.70	1.750 44.50	1.250 31.70	2.750 69.85	2.880 73.15	4	1.120 28.40	4.880 123.9	5.36	
2	2.375 60.30	8.500 215.9	2.500 63.50	1.500 38.10	2.250 57.15	1.500 38.10	4.120 104.6	3.620 91.90	8	1.000 25.40	6.500 165.1	9.85	
2 1/2	2.875 73.00	9.620 244.3	3.000 76.20	1.620 41.10	2.500 63.50	1.880 47.70	4.880 123.9	4.120 104.6	8	1.120 28.40	7.500 190.5	13.7	
3	3.500 88.90	9.500 241.3	3.630 92.20	1.500 38.10	2.120 53.80	1.620 41.10	5.000 127.0	5.000 127.0	8	1.000 25.40	7.500 190.5	11.6	
4	4.500 114.3	11.50 292.1	4.630 117.6	1.750 44.40	2.750 69.85	1.880 47.80	6.250 158.7	6.190 157.2	8	1.250 31.70	9.250 234.9	19.7	
5	5.563 141.3	13.75 349.2	5.690 144.5	2.000 50.80	3.120 79.25	2.120 53.80	7.500 190.5	7.310 185.7	8	1.380 35.00	11.00 279.4	31.9	
6	6.625 168.3	15.00 381.0	6.750 171.4	2.190 55.60	3.380 85.80	2.250 57.15	9.250 234.9	8.500 215.9	12	1.250 31.70	12.50 317.5	41.1	
8	8.625 219.1	18.50 469.9	8.750 222.2	2.500 63.50	4.000 101.6	2.500 63.50	11.75 298.4	10.62 269.7	12	1.500 38.10	15.50 393.7	70.7	
10	10.75 273.0	21.50 546.1	10.88 276.3	2.750 69.85	4.250 107.9	2.810 71.40	14.50 368.3	12.75 323.9	16	1.500 38.10	18.50 469.9	101	
12	12.75 323.8	24.00 609.6	12.94 328.7	3.120 79.40	4.620 117.3	3.000 76.20	16.50 419.1	15.00 381.0	20	1.500 38.10	21.00 533.4	133	
14	14.00 355.6	25.25 641.3	14.19 360.4	3.380 85.70	5.120 130.0	3.250 82.50	17.75 450.8	16.25 412.7	20	1.620 41.10	22.00 558.8	153	
16	16.00 406.4	27.75 704.8	16.19 411.2	3.500 88.90	5.250 133.3	3.380 85.90	20.00 508.0	18.50 469.9	20	1.750 44.40	24.25 618.9	185	
18	18.00 457.2	31.00 787.4	18.19 462.0	4.000 101.6	6.000 152.4	3.500 88.90	22.25 565.1	21.00 533.4	20	2.000 50.80	27.00 685.8	258	
20	20.00 508.0	33.75 857.2	20.19 512.8	4.250 107.9	6.250 158.7	3.620 91.90	24.50 622.3	23.00 584.2	20	2.120 53.80	29.50 749.3	317	
24	24.00 609.6	41.00 1041.4	24.19 614.4	5.500 139.7	8.000 203.2	4.000 101.6	29.50 749.3	27.25 692.2	20	2.620 66.55	35.50 901.7	606	

Notes

- The thread conforms to ASME B1.20.1 NTP threads as described in Section 10. (The only exceptions are small male and female plain face threaded flanges which use NPSP locknut threads.)
- Class 300 and higher threaded flanges are counter-bored. Threads are chamfered to the counterbore at an angle of 45° (approx).
- Weights are based on manufacturer's data and are approximate.
- For tolerances see page 8-4.