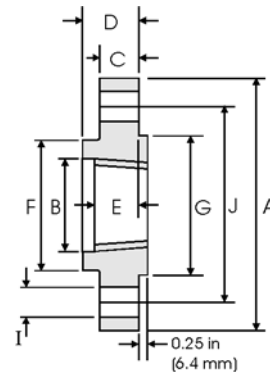


Threaded Flanges - ANSI B16.5



Class 400 lb

Nominal Pipe Size	Pipe		Flange Data				Hub	Raised Face	Drilling Data			Weight kg/ piece
	Outside Diameter	Overall Diameter	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	
	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm		in mm	in mm	
1/2	0.840 21.30	3.750 95.30	0.930 23.60	0.560 14.20	0.880 22.40	0.620 15.70	1.500 38.10	1.380 35.10	4	0.620 15.70	2.620 66.55	0.74
3/4	1.050 26.70	4.620 117.3	1.140 29.00	0.620 15.70	1.000 25.40	0.620 15.70	1.880 47.80	1.690 42.90	4	0.750 19.10	3.250 82.60	1.27
1	1.315 33.40	4.880 124.0	1.410 35.80	0.690 17.50	1.060 26.90	0.690 17.50	2.120 53.80	2.000 50.80	4	0.750 19.10	3.500 88.90	1.52
1 1/4	1.660 42.20	5.250 133.4	1.750 44.50	0.810 20.60	1.120 28.40	0.810 20.60	2.500 63.50	2.500 63.50	4	0.750 19.10	3.880 98.60	2.03
1 1/2	1.900 48.30	6.120 155.4	1.990 50.50	0.880 22.40	1.250 31.75	0.880 22.40	2.750 69.85	2.880 73.15	4	0.880 22.40	4.500 114.3	2.96
2	2.375 60.30	6.500 165.1	2.500 63.50	1.000 25.40	1.440 36.60	1.120 28.40	3.310 84.10	3.620 91.90	8	0.750 19.10	5.000 127.0	3.62
2 1/2	2.875 73.00	7.500 190.5	3.000 76.20	1.120 28.40	1.620 41.10	1.250 31.75	3.940 100.1	4.120 104.6	8	0.880 22.40	5.880 149.4	5.28
3	3.500 88.90	8.250 209.6	3.630 92.20	1.250 31.75	1.810 46.00	1.380 35.10	4.620 117.3	5.000 127.0	8	0.880 22.40	6.620 168.1	7.00
3 1/2	4.000 101.6	9.000 228.6	413.0 104.9	1.380 35.10	1.940 49.30	1.560 39.60	5.250 133.4	5.500 139.7	8	1.000 25.40	7.250 184.2	8.84
4	4.500 114.3	10.00 254.0	4.630 117.6	1.380 35.10	2.000 50.80	1.440 36.60	5.750 146.1	6.190 157.2	8	1.000 25.40	7.880 200.2	11.1
5	5.563 141.3	11.00 279.4	5.690 144.5	1.500 38.10	2.120 53.80	1.690 42.90	7.000 177.8	7.310 185.7	8	1.000 25.40	9.250 235.0	13.9
6	6.625 168.3	12.50 317.5	6.750 171.5	1.620 41.10	2.250 57.15	1.810 46.00	8.120 206.2	8.500 215.9	12	1.000 25.40	10.62 269.7	18.3
8	8.625 219.1	15.00 381.0	8.750 222.3	1.880 47.80	2.690 68.30	2.000 50.80	10.25 260.4	10.62 269.7	12	1.120 28.40	13.00 330.2	28.6
10	10.75 273.0	17.50 444.5	10.88 276.4	2.120 53.80	2.880 73.15	2.190 55.60	12.62 320.5	12.75 323.9	16	1.250 31.75	15.25 387.4	39.2
12	12.75 323.8	20.50 520.7	12.94 328.7	2.250 57.15	3.120 79.25	2.380 60.45	14.75 374.7	15.00 381.0	16	1.380 35.10	17.75 450.9	57.0
14	14.00 355.6	23.00 584.2	14.19 360.4	2.380 60.45	3.310 84.10	2.500 63.50	16.75 425.5	16.25 412.8	20	1.380 35.10	20.25 514.4	79.1
16	16.00 406.4	25.50 647.7	16.19 411.2	2.500 63.50	3.690 93.70	2.690 68.30	19.00 482.6	18.50 469.9	20	1.500 38.10	22.50 571.5	101
18	18.00 457.2	28.00 711.2	18.19 462.0	2.620 66.55	3.880 98.60	2.750 69.85	21.00 533.4	21.00 533.4	24	1.500 38.10	24.75 628.7	123
20	20.00 508.0	30.50 774.7	20.19 512.8	2.750 69.85	4.000 101.6	2.880 73.15	23.12 587.2	23.00 584.2	24	1.620 41.10	27.00 685.8	146
24	24.00 609.6	36.00 914.4	24.19 614.4	3.000 76.20	4.500 114.3	3.250 82.60	27.62 701.5	27.25 692.2	24	1.880 47.80	32.00 812.8	219

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 NPSL 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.

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Manufacturer/Exporter – Forged, Buttweld Pipe Fittings, Forged Flanges

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