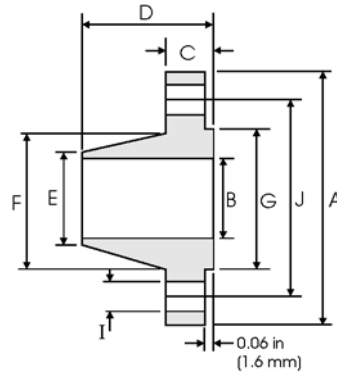


# Weld Neck Flanges - ANSI B16.5



## Class 150 lb

Nominal Pipe Size	Pipe	Flange Data				Hub Data		Raised Face	Drilling Data			Weight
		A	B	C	D	E	F	G	H	I	J	
	Outside Diameter	Overall Diameter	Inside Diameter	Flange Thickness min	Overall Length	Diameter at Weld Bevel	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		in mm	in mm	
1/2	0.840	3.500	0.620	0.440	1.880	0.840	1.190	1.380	4	0.620	2.380	0.48
	21.30	88.90	15.70	11.20	47.80	21.30	30.20	35.00		15.70	60.45	
3/4	1.050	3.880	0.820	0.500	2.060	1.050	1.500	1.690	4	0.620	2.750	0.71
	26.70	98.60	20.80	12.70	52.30	26.70	38.10	42.90		15.70	69.85	
1	1.315	4.250	1.050	0.560	2.190	1.320	1.940	2.000	4	0.620	3.120	1.01
	33.40	108.0	26.70	14.20	55.60	33.50	49.30	50.80		15.70	79.25	
1 1/4	1.660	4.620	1.380	0.620	2.250	1.660	2.310	2.500	4	0.620	3.500	1.33
	42.20	117.3	35.10	15.70	57.15	42.20	58.70	63.50		15.70	88.90	
1 1/2	1.900	5.000	1.610	0.690	2.440	1.900	2.560	2.880	4	0.620	3.880	1.72
	48.30	127.0	40.90	17.50	62.00	48.30	65.00	73.15		15.70	98.60	
2	2.375	6.000	2.070	0.750	2.500	2.380	3.060	3.620	4	0.750	4.750	2.58
	60.30	152.4	52.60	19.10	63.50	60.45	77.70	91.90		19.10	120.7	
2 1/2	2.875	7.000	2.470	0.880	2.750	2.880	3.560	4.120	4	0.750	5.500	4.11
	73.00	177.8	62.70	22.40	69.85	73.15	90.40	104.6		19.10	139.7	
3	3.500	7.500	3.070	0.940	2.750	3.500	4.250	5.000	4	0.750	6.000	4.92
	88.90	190.5	78.00	23.90	69.85	88.90	108.0	127.0		19.10	152.4	
3 1/2	4.000	8.500	3.550	0.940	2.810	4.000	4.810	5.500	8	0.750	7.000	6.08
	101.6	215.9	90.20	23.90	71.40	101.6	122.2	139.7		19.10	177.8	
4	4.500	9.000	4.030	0.940	3.000	4.500	5.310	6.190	8	0.750	7.500	6.84
	114.3	228.6	102.4	23.90	76.20	114.3	134.9	157.2		19.10	190.5	
5	5.563	10.00	5.050	0.940	3.500	5.560	6.440	7.310	8	0.880	8.500	8.56
	141.3	254.0	128.3	23.90	88.90	141.2	163.6	185.7		22.40	215.9	
6	6.625	11.00	6.070	1.000	3.500	6.630	7.560	8.500	8	0.880	9.500	10.6
	168.3	279.4	154.2	25.40	88.90	168.4	192.0	215.9		22.40	241.3	
8	8.625	13.50	7.980	1.120	4.000	8.630	9.690	10.62	8	0.880	11.75	17.6
	219.1	342.9	202.7	28.40	101.6	219.2	246.1	269.7		22.40	298.5	
10	10.75	16.00	10.02	1.190	4.000	10.75	12.00	12.75	12	1.000	14.25	24.0
	273.0	406.4	254.5	30.20	101.6	273.0	304.8	323.8		25.40	362.0	
12	12.75	19.00	12.00	1.250	4.500	12.75	14.38	15.00	12	1.000	17.00	36.5
	323.8	482.6	304.8	31.75	114.3	323.8	365.3	381.0		25.40	431.8	
14	14.00	21.00	To be specified by Purchaser	1.380	5.000	14.00	15.75	16.25	12	1.120	18.75	48.4
	355.6	533.4		35.10	127.0	355.6	400.1	412.7		28.40	476.3	
16	16.00	23.50		1.440	5.000	16.00	18.00	18.50	16	1.120	21.25	60.6
	406.4	596.9		36.60	127.0	406.4	475.2	469.9		28.40	539.8	
18	18.00	25.00		1.560	5.500	18.00	19.88	21.00	16	1.250	22.75	68.3
	457.2	635.0		39.60	139.7	457.2	505.0	533.4		31.75	577.9	
20	20.00	27.50	1.690	5.690	20.00	22.00	23.00	20	1.250	25.00	84.5	
	508.0	698.5	42.90	144.5	508.0	558.8	584.2		31.75	635.0		
24	24.00	32.00	1.880	6.000	24.00	26.12	27.25	20	1.380	29.50	115	
	609.6	812.8	47.80	152.4	609.6	663.4	692.1		35.10	749.3		

### Notes

- Dimension B corresponds to the pipe inside diameter. Values quoted assume 40S/Standard wall thickness.
- Weights are based on manufacturer's data and are approximate.
- Flat face flanges may be provided at full thickness, C, or with raised face removed (the latter is nonstandard).
- For ring joint facings see page 8-6. For weld end bevel see page 8-5.
- For tolerances see page 8-4.