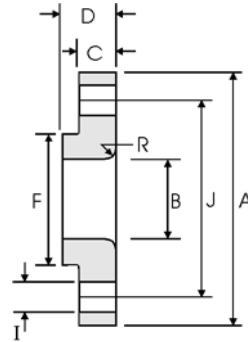


# Lap Joint Flanges - ANSI B16.5



## Class 400 lb

Nominal Pipe Size	Pipe	Flange Data					Lap	Hub	Drilling Data			Weight
		A	B	C	D	R	F	H	I	J		
	Outside Diameter	Overall Diameter	Inside Diameter	Flange Thickness min	Overall Length	Lap Radius	Hub 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		
1/2	0.840	3.750	0.900	0.560	0.880	0.120	1.500	4	0.620	2.620	0.72	
	21.30	95.30	22.90	14.20	22.40	3.000	38.10		15.70	66.55		
3/4	1.050	4.620	1.110	0.620	1.000	0.120	1.880	4	0.750	3.250	1.25	
	26.70	117.3	28.20	15.70	25.40	3.000	47.80		19.10	82.60		
1	1.315	4.880	1.380	0.690	1.060	0.120	2.120	4	0.750	3.500	1.50	
	33.40	124.0	35.10	17.50	26.90	3.000	53.80		19.10	88.90		
1 1/4	1.660	5.250	1.720	0.810	1.120	0.190	2.500	4	0.750	3.880	2.00	
	42.20	133.4	43.70	20.60	28.40	4.800	63.50		19.10	98.60		
1 1/2	1.900	6.120	1.970	0.880	1.250	0.250	2.750	4	0.880	4.500	2.92	
	48.30	155.4	50.00	22.40	31.75	6.400	69.85		22.40	114.3		
2	2.375	6.500	2.460	1.000	1.440	0.310	3.310	8	0.750	5.000	3.55	
	60.30	165.1	62.50	25.40	36.60	7.900	84.10		19.10	127.0		
2 1/2	2.875	7.500	2.970	1.120	1.620	0.310	3.940	8	0.880	5.880	5.23	
	73.00	190.5	75.40	28.40	41.10	7.900	100.1		22.40	149.4		
3	3.500	8.250	3.600	1.125	1.810	0.380	4.620	8	0.880	6.620	6.95	
	88.90	209.6	91.40	31.75	46.00	9.700	117.3		22.40	168.1		
3 1/2	4.000	9.000	4.100	1.380	1.940	0.380	5.250	8	1.000	7.250	8.78	
	101.6	228.6	104.1	35.10	49.30	9.700	133.4		25.40	184.2		
4	4.500	10.00	4.600	1.380	2.000	0.440	5.750	8	1.000	7.880	10.9	
	114.3	254.0	116.8	35.10	50.80	11.20	146.1		25.40	200.2		
5	5.563	11.00	5.690	1.500	2.120	0.440	7.000	8	1.000	9.250	13.7	
	141.3	279.4	114.5	38.10	53.80	11.20	177.8		25.40	235.0		
6	6.625	12.50	6.750	1.620	2.250	0.500	8.120	12	1.000	10.62	18.0	
	168.3	317.5	171.5	41.10	57.15	12.70	206.2		25.40	269.7		
8	8.625	15.00	8.750	1.880	2.690	0.500	10.25	12	1.120	13.00	28.3	
	219.1	381.0	222.3	47.80	68.30	12.70	260.4		28.40	330.2		
10	10.75	17.50	10.92	2.120	4.000	0.500	12.62	16	1.250	15.25	38.8	
	273.0	444.5	277.4	53.80	101.6	12.70	320.5		31.75	387.4		
12	12.75	20.50	12.92	2.250	4.250	0.500	14.75	16	1.380	17.75	56.6	
	323.8	520.7	328.2	57.15	108.0	12.70	374.7		35.10	450.9		
14	14.00	23.00	14.18	2.380	4.620	0.500	16.75	20	1.380	20.25	78.6	
	355.6	584.2	360.2	60.45	117.3	12.70	425.5		35.10	514.4		
16	16.00	25.50	16.19	2.500	5.000	0.500	19.00	20	1.500	22.50	100	
	406.4	647.7	411.2	63.50	127.0	12.70	482.6		38.10	571.5		
18	18.00	28.00	18.20	2.620	5.380	0.500	21.00	24	1.500	24.75	122	
	457.2	711.2	462.3	66.55	136.7	12.70	533.4		38.10	628.7		
20	20.00	30.50	20.25	2.750	5.750	0.500	23.12	24	1.620	27.00	145	
	508.0	774.7	514.4	69.85	146.1	12.70	587.2		41.10	685.8		
24	24.00	36.00	24.25	3.000	6.250	0.500	27.62	24	1.880	32.00	217	
	609.6	914.4	616.0	76.20	158.8	12.70	701.5		47.80	812.8		

### Notes

- Weights are based on manufacturer's data and are approximate.
- For tolerances see page 8-4.