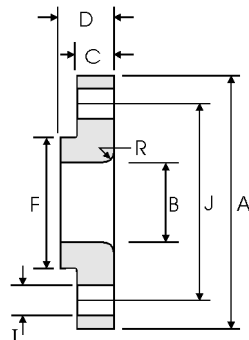
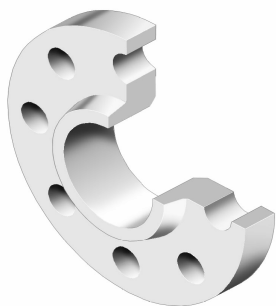




ZIZI ENGINEERING CO LTD

Lap Joint Flanges - ANSI B16.5



Class 400 lb

Pipe	Flange Data					Lap	Hub	Drilling Data			Weight
Nominal Pipe Size		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 21.30	3.750 95.30	0.900 22.90	0.560 14.20	0.880 22.40	0.120 3.000	1.500 38.10	4	0.620 15.70	2.620 66.55	0.72
3/4	1.050 26.70	4.620 117.3	1.110 28.20	0.620 15.70	1.000 25.40	0.120 3.000	1.880 47.80	4	0.750 19.10	3.250 82.60	1.25
1	1.315 33.40	4.880 124.0	1.380 35.10	0.690 17.50	1.060 26.90	0.120 3.000	2.120 53.80	4	0.750 19.10	3.500 88.90	1.50
1 1/4	1.660 42.20	5.250 133.4	1.720 43.70	0.810 20.60	1.120 28.40	0.190 4.800	2.500 63.50	4	0.750 19.10	3.880 98.60	2.00
1 1/2	1.900 48.30	6.120 155.4	1.970 50.00	0.880 22.40	1.250 31.75	0.250 6.400	2.750 69.85	4	0.880 22.40	4.500 114.3	2.92
2	2.375 60.30	6.500 165.1	2.460 62.50	1.000 25.40	1.440 36.60	0.310 7.900	3.310 84.10	8	0.750 19.10	5.000 127.0	3.55
2 1/2	2.875 73.00	7.500 190.5	2.970 75.40	1.120 28.40	1.620 41.10	0.310 7.900	3.940 100.1	8	0.880 22.40	5.880 149.4	5.23
3	3.500 88.90	8.250 209.6	3.600 91.40	1.125 31.75	1.810 46.00	0.380 9.700	4.620 117.3	8	0.880 22.40	6.620 168.1	6.95
3 1/2	4.000 101.6	9.000 228.6	4.100 104.1	1.380 35.10	1.940 49.30	0.380 9.700	5.250 133.4	8	1.000 25.40	7.250 184.2	8.78
4	4.500 114.3	10.00 254.0	4.600 116.8	1.380 35.10	2.000 50.80	0.440 11.20	5.750 146.1	8	1.000 25.40	7.880 200.2	10.9
5	5.563 141.3	11.00 279.4	5.690 144.5	1.500 38.10	2.120 53.80	0.440 11.20	7.000 177.8	8	1.000 25.40	9.250 235.0	13.7
6	6.625 168.3	12.50 317.5	6.750 171.5	1.620 41.10	2.250 57.15	0.500 12.70	8.120 206.2	12	1.000 25.40	10.62 269.7	18.0
8	8.625 219.1	15.00 381.0	8.750 222.3	1.880 47.80	2.690 68.30	0.500 12.70	10.25 260.4	12	1.120 28.40	13.00 330.2	28.3
10	10.75 273.0	17.50 444.5	10.92 277.4	2.120 53.80	4.000 101.6	0.500 12.70	12.62 320.5	16	1.250 31.75	15.25 387.4	38.8
12	12.75 323.8	20.50 520.7	12.92 328.2	2.250 57.15	4.250 108.0	0.500 12.70	14.75 374.7	16	1.380 35.10	17.75 450.9	56.6
14	14.00 355.6	23.00 584.2	14.18 360.2	2.380 60.45	4.620 117.3	0.500 12.70	16.75 425.5	20	1.380 35.10	20.25 514.4	78.6
16	16.00 406.4	25.50 647.7	16.19 411.2	2.500 63.50	5.000 127.0	0.500 12.70	19.00 482.6	20	1.500 38.10	22.50 571.5	100
18	18.00 457.2	28.00 711.2	18.20 462.3	2.620 66.55	5.380 136.7	0.500 12.70	21.00 533.4	24	1.500 38.10	24.75 628.7	122
20	20.00 508.0	30.50 774.7	20.25 514.4	2.750 69.85	5.750 146.1	0.500 12.70	23.12 587.2	24	1.620 41.10	27.00 685.8	145
24	24.00 609.6	36.00 914.4	24.25 616.0	3.000 76.20	6.250 158.8	0.500 12.70	27.62 701.5	24	1.880 47.80	32.00 812.8	217

Notes

- Weights are based on manufacturer's data and are approximate.