

CARBON & STAINLESS STEEL FLANGES • Dimensions & Weights

Class 150 Flanges to ASME B16.5

Nominal Size		Dimensions												Weight (kg)		
DN	NPS	Flange OD A mm	Flange Thickness A mm	Bore SOW SW B mm	Raised Face Diam. G mm	Length Thru Hub		Bolt Drilling				RF Stud Bolt Length mm	RF Mach. Bolt Length mm	SOW SW	WN	Blind
						SOW, SW Threaded C mm	W Neck C mm	Circle Diam. K mm	Hole Diam. H mm	Bolts No.	Bolt Diam. In					
15	1/2	88.9	11.2	22.4	35.1	15.8	47.8	60.4	15.7	4	1/2"	60.0	45.0	0.4	0.5	0.4
20	3/4	98.6	12.7	27.7	42.9	15.8	52.3	69.9	15.7	4	1/2"	65.0	50.0	0.6	0.7	0.6
25	1	108.0	14.2	34.5	50.8	17.5	55.6	79.2	15.7	4	1/2"	65.0	55.0	0.8	1.0	0.9
32	1 1/4	117.3	15.7	43.2	63.5	20.6	57.2	88.9	15.7	4	1/2"	70.0	55.0	1.0	1.3	1.2
40	1 1/2	127.0	17.5	49.5	73.2	2.4	62.0	98.6	15.7	4	1/2"	70.0	60.0	1.3	1.7	1.5
50	2	152.4	19.1	62.0	91.9	25.5	63.5	120.7	19.1	4	5/8"	80.0	65.0	2.1	2.6	2.4
65	2 1/2	177.8	22.4	74.7	104.6	28.5	69.9	139.7	19.1	4	5/8"	90.0	75.0	3.3	4.1	3.9
80	3	190.5	23.9	90.7	127.0	30.2	69.9	152.4	19.1	4	5/8"	90.0	75.0	3.9	4.9	4.9
90	3 1/2	215.9	23.9	103.4	139.7	31.8	71.4	177.8	19.1	8	5/8"	90.0	75.0	4.8	6.1	6.2
100	4	228.6	23.9	116.1	157.2	33.3	76.2	190.5	19.1	8	5/8"	90.0	75.0	5.3	6.8	7.0
125	5	254.0	23.9	143.8	185.7	36.6	88.9	215.9	22.4	8	3/4"	90.0	80.0	6.1	8.6	8.6
150	6	279.4	25.4	170.7	215.9	39.6	88.9	241.3	22.4	8	3/4"	100.0	85.0	7.5	10.6	11.3
200	8	342.9	28.4	221.5	269.7	44.5	101.6	298.5	22.4	8	3/4"	110.0	90.0	12.1	17.6	19.6
250	10	406.4	30.2	276.4	323.9	49.3	101.6	362.0	25.4	12	7/8"	115.0	95.0	16.5	24.0	28.8
300	12	482.6	31.8	327.2	381.0	55.6	114.3	431.8	25.4	12	7/8"	120.0	100.0	26.2	36.5	43.2
350	14	533.4	35.1	359.2	412.8	57.2	127.0	476.3	28.4	12	1"	130.0	110.0	34.6	48.4	58.1
400	16	596.9	36.6	410.5	469.9	63.5	127.0	539.8	28.4	16	1"	135.0	115.0	44.8	60.6	76.1
450	18	635.0	39.6	461.8	533.4	68.3	139.7	577.9	31.8	16	1 1/8"	150.0	125.0	48.9	68.3	93.7
500	20	698.5	42.9	513.1	584.2	73.2	144.5	635.0	31.8	20	1 1/8"	160.0	135.0	61.9	84.5	122.0
600	24	812.8	47.8	616.0	692.2	82.6	152.4	749.3	35.1	20	1 1/4"	175.0	145.0	86.9	115.0	185.0

Class 300 Flanges to ASME B16.5

Nominal Size		Dimensions												Weight (kg)		
DN	NPS	Flange OD A mm	Flange Thickness A mm	Bore SOW SW B mm	Raised Face Diam. G mm	Length Thru Hub		Bolt Drilling				RF Stud Bolt Length mm	RF Mach. Bolt Length mm	SOW SW	WN	Blind
						SOW, SW Threaded C mm	W Neck C mm	Circle Diam. K mm	Hole Diam. H mm	Bolts No.	Bolt Diam. In					
15	1/2	95.3	14.2	22.4	35.1	22.4	52.3	66.5	15.7	4	1/2"	65.0	55.0	0.6	0.8	0.6
20	3/4	117.3	15.7	27.7	42.9	25.4	57.2	82.6	19.1	4	5/8"	75.0	60.0	1.1	1.3	1.1
25	1	124.0	17.5	34.5	50.8	26.9	62.0	88.9	19.1	4	5/8"	80.0	65.0	1.4	1.5	1.4
32	1 1/4	133.4	19.1	43.2	63.5	26.9	65.0	98.6	19.1	4	5/8"	80.0	65.0	1.7	2.0	1.8
40	1 1/2	155.5	20.6	49.5	73.2	30.2	68.3	114.3	22.4	4	3/4"	90.0	75.0	2.5	2.9	2.7
50	2	165.	22.4	62.0	91.9	33.3	69.9	127.0	19.1	8	5/8"	90.0	75.0	2.9	3.4	3.2
65	2 1/2	190.5	25.4	74.7	104.6	38.1	76.2	149.4	22.4	8	3/4"	100.0	85.0	4.3	5.2	4.9
80	3	215.9	28.4	90.7	127.0	42.9	79.2	168.1	22.4	8	3/4"	110.0	90.0	5.9	6.9	6.8
90	3 1/2	228.6	30.2	103.4	139.7	44.5	81.0	184.2	22.4	8	3/4"	110.0	95.0	7.3	8.7	8.7
100	4	254.0	31.8	116.1	157.2	47.8	85.9	200.2	22.4	8	3/4"	110.0	95.0	9.6	11.2	11.5
125	5	279.4	35.1	143.8	185.7	50.8	98.6	235.0	22.4	8	3/4"	120.0	100.0	12.3	15.1	15.6
150	6	317.5	36.6	170.7	215.9	52.3	98.6	269.7	22.4	12	3/4"	125.0	105.0	15.6	19.1	20.9
200	8	381.0	41.1	221.5	269.7	62.0	112.3	330.2	25.4	12	7/8"	140.0	110.0	24.2	29.9	34.3
250	10	444.5	47.6	276.4	323.9	66.5	117.3	387.4	28.4	16	1"	155.0	130.0	34.1	42.7	53.3
300	12	520.7	50.8	327.2	381.0	73.2	130.0	450.9	31.8	16	1 1/8"	170.0	145.0	49.8	61.8	78.8
350	14	584.2	53.8	359.2	412.8	76.2	142.7	514.4	31.8	20	1 1/8"	175.0	150.0	69.9	85.8	105.0
400	16	647.7	57.2	410.5	469.9	82.6	146.1	571.5	35.1	20	1 1/4"	190.0	160.0	88.1	106.0	137.0
450	18	711.2	60.5	461.8	533.4	88.9	158.8	626.7	35.1	24	1 1/4"	195.0	170.0	109.0	131.0	175.0
500	20	774.7	63.5	513.1	584.2	95.3	162.1	685.8	35.1	24	1 1/4"	205.0	180.0	134.0	158.0	221.0
600	24	914.4	70.0	616.0	692.2	106.4	168.1	812.8	41.1	24	1 1/2"	230.0	195.0	201.0	230.0	339.0