

**CARBON & STAINLESS STEEL FLANGES STANDARD
DIMENSIONS & WEIGHTS**

Class 150 Flanges to ASME B 16.5

NOMINAL SIZE		DIMENSIONS		WEIGHT (KG)		
NPS (Inches)	DN (mm)	FLANGE OD A MM	FLANGE THICKNESS D MM	SOW SW	WN	BLIND
1/2	15	88.9	11.2	0.4	0.5	0.4
3/4	20	98.6	12.7	0.6	0.7	0.6
1	25	108	14.2	0.8	1	0.9
1 1/4	32	117.3	15.7	1	1.3	1.2
1 1/2	40	127	17.5	1.3	1.7	1.5
2	50	152.4	19.1	2.1	2.6	2.4
2 1/2	65	177.8	22.4	3.3	4.1	3.9
3	80	190.5	23.9	3.9	4.9	4.9
3 1/2	90	215.9	23.9	4.8	6.1	6.2
4	100	228.6	23.9	5.3	6.8	7.0
5	125	254	23.9	6.1	8.6	8.6
6	150	279.4	25.4	7.5	10.6	11.3
8	200	342.9	28.4	12.1	17.6	19.6
10	250	406.4	30.2	16.5	24	28.6
12	300	482.6	31.8	26.2	36.5	43.2
14	350	533.4	35.1	34.6	48.4	58.1
16	400	596.9	36.6	44.8	60.6	76.1
18	450	635	39.6	48.9	68.3	93.7
20	500	698.5	42.9	61.9	84.5	122.0
24	600	812.8	47.8	86.9	115	185.0

Class 300 Flanges to ASME B 16.5

NOMINAL SIZE		DIMENSIONS		WEIGHT (KG)		
NPS (Inches)	DN (mm)	FLANGE OD A MM	FLANGE THICKNESS D MM	SOW SW	WN	BLIND
1/2	15	95.3	14.2	0.6	0.8	0.6
3/4	20	117.3	15.7	1.1	1.3	1.1
1	25	124	17.5	1.4	1.5	1.4
1 1/4	32	133.4	19.1	1.7	2.0	1.8
1 1/2	40	155.5	20.6	2.5	2.9	2.7
2	50	165.1	22.4	2.9	3.4	3.2
2 1/2	65	190.5	25.4	4.3	5.2	4.9
3	80	215.9	28.4	5.9	6.9	6.8
3 1/2	90	228.6	30.2	7.3	8.7	8.7
4	100	254	31.8	9.6	11.2	11.5

5	125	279.4	35.1	12.3	15.1	15.6
6	150	317.5	36.6	15.6	19.1	20.9
8	200	381	41.1	24.2	29.9	34.3
10	250	444.5	47.6	34.1	42.7	53.3
12	300	520.7	50.8	49.8	61.8	78.8
14	350	584.2	53.8	69.9	85.8	105.0
16	400	647.7	57.2	88.1	106.0	137.0
18	450	711.2	60.5	109.0	131.0	175.0
20	500	774.7	63.5	134.0	158.0	221.0
24	600	914.4	70.0	201.0	230.0	339.0

Class 600 Flanges to ASME B 16.5

NOMINAL SIZE		DIMENSIONS		WEIGHT (KG)		
NPS (Inches)	DN (mm)	FLANGE OD A MM	FLANGE THICKNESS D MM	SOW SW	WN	BLIND
1/2	15	95.3	14.2	0.7	0.9	0.8
3/4	20	117.3	15.7	1.3	1.5	1.3
1	25	124.0	17.5	1.5	1.8	1.6
1 1/4	32	133.4	20.6	2	2.5	2.2
1 1/2	40	155.4	22.4	3	3.5	3.3
2	50	165.1	25.4	3.6	4.4	4.2
2 1/2	65	190.5	28.4	5.3	6.4	6.1
3	80	209.6	31.8	7	8.5	8.4
3 1/2	90	228.6	35.1	8.8	10.7	11
4	100	273.1	38.1	14.5	17.4	17.3
5	125	330.2	44.5	24.4	29.2	29.4
6	150	355.6	47.8	28.7	34.9	36.1
8	200	419.1	55.6	43.4	53.9	58.9
10	250	508	63.5	70.3	86.5	97.5
12	300	558.8	66.5	84.2	103.0	124
14	350	603.3	69.9	98.7	122.0	151
16	400	685.8	76.2	142.0	170.0	214
18	450	743	82.6	173.0	204.0	272
20	500	812.8	88.9	220.0	254.0	349.0
24	600	939.8	101.6	312.0	358.0	533.0

Class 900 Flanges to ASME B 16.5

NOMINAL SIZE		DIMENSIONS		WEIGHT (KG)		
NPS (Inches)	DN (mm)	FLANGE OD A MM	FLANGE THICKNESS D MM	SOW SW	WN	BLIND
1/2	15	120.7	22.4	1.8	1.9	1.8
3/4	20	130	25.4	2.4	2.6	2.4
1	25	149.4	28.4	3.6	3.7	3.6
1 1/4	32	158.8	28.4	4	4.3	4.1
1 1/2	40	177.8	31.8	5.5	5.9	5.8
2	50	215.9	38.1	10.2	10.8	10
2 1/2	65	244.3	41.1	13.9	15	14
3	80	241.3	38.1	11.6	13.7	13.1
4	100	292.1	44.5	19.7	22.5	26.9
5	125	349.3	50.8	31.9	37.4	36.5
6	150	381	55.6	41.1	47.7	47.4
8	200	469.9	63.5	70.7	81.3	82.5
10	250	546.1	69.9	101.0	119	122.0
12	300	609.6	79.2	133.0	157.0	173.0
14	350	641.4	85.6	153.0	180.0	206.0
16	400	704.9	88.9	185.0	217.0	259.0
18	450	787.4	101.6	258.0	292.0	367.0
20	500	857.3	108.0	317.0	362.0	463.0
24	600	1041.4	139.7	606.0	665.0	876.0

Class 1500 Flanges to ASME B 16.5

NOMINAL SIZE		DIMENSIONS		WEIGHT (KG)		
NPS (Inches)	DN (mm)	FLANGE OD A MM	FLANGE THICKNESS D MM	SOW SW	WN	BLIND
1/2	15	120.7	22.4	1.8	1.9	1.8
3/4	20	130	25.4	2.4	2.6	2.4
1	25	149.4	28.4	3.6	3.7	3.6
1 1/4	32	158.8	28.4	4	4.3	4.1
1 1/2	40	177.8	31.8	5.5	5.9	5.8
2	50	215.9	38.1	10.2	10.8	10.1
2 1/2	65	244.3	41.1	13.9	15	14
3	80	266.7	47.8		19.9	19.1
4	100	311.2	53.8		29.9	29.9
5	125	374.7	73.2		55.4	58.4
6	150	393.7	82.6		68.4	71.8
8	200	482.6	91.9		117	122

10	250	584.2	108		194.0	210.0
12	300	673.1	124		288.0	316.0
14	350	749.3	133.4		380.0	420
16	400	825.5	146.1		485.0	558.0
18	450	914.4	162.1		644.0	760.0
20	500	984.3	177.8		775.0	965.0
24	600	1168.4	203.2		1232.0	1558.0

Class 2500 Flanges to ASME B 16.5					
NOMINAL SIZE		DIMENSIONS		WEIGHT (KG)	
NPS (Inches)	DN (mm)	FLANGE OD A MM	FLANGE THICKNESS D MM	WN	BLIND
1/2	15	133.4	30.2	3.1	3.0
3/4	20	139.7	31.8	3.7	3.5
1	25	158.8	35.1	5.2	5.0
1 1/4	32	184.2	38.1	7.7	7.4
1 1/2	40	203.2	44.5	10.9	10.4
2	50	235	50.8	16.2	15.6
2 1/2	65	266.7	57.2	23.7	22.6
3	80	304.8	66.5	36.2	34.8
4	100	355.6	76.2	55.3	53.9
5	125	419.1	91.9	92.5	90.8
6	150	482.6	108	143.0	141
8	200	552.5	127	215.0	214
10	250	673.1	165.1	406.0	411.0
12	300	762	184.2	572.0	592.0



Amarsons
PIPE TECH ME CO LLC