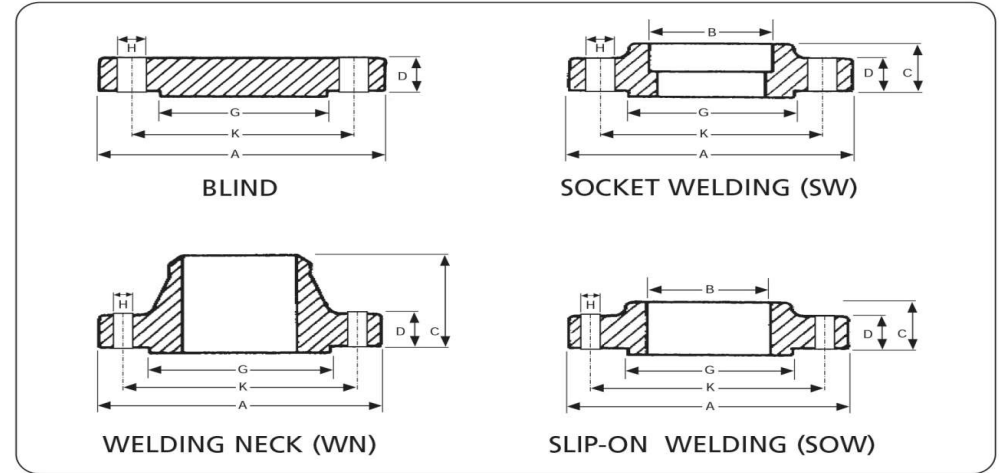


# ASME B16.5 Flanges . Dimensions & Weights

CLASS 150 FLANGES TO ASME B16.5																	
Nominal Size		Dimensions												Weight (Kg)			
DN	NPS	Flange OD A mm	Flange thickness D mm	Bore SOW B mm	Raised Face Diam G mm	Length Thru Hub		Bolt Drilling				RF Stud Bolt Length mm	RTJ Stud Bolt Length mm	SOW SW	WN	Blind	
						SOW, S W Threaded C mm	Welding Neck C mm	Circle Diam. K mm	Hole Diam. H Inch	Bolts No.	Bolt Diam. Inch						
15	1/2"	90	9.6	22.2	34.9	14	46	60.3	5/8	4	1/2	55	-	0.4	0.5	0.4	
20	3/4"	100	11.2	27.7	42.9	14	51	69.9	5/8	4	1/2	65	-	0.6	0.7	0.6	
25	1"	110	12.7	34.5	50.8	16	54	79.4	5/8	4	1/2	65	75	0.8	1.0	0.9	
32	1 1/4"	115	14.3	43.2	63.5	19	56	88.9	5/8	4	1/2	70	85	1.0	1.3	1.2	
40	1 1/2"	125	15.9	49.5	73.0	21	60	98.4	5/8	4	1/2	70	85	1.3	1.7	1.5	
50	2"	150	17.5	61.9	92.1	24	62	120.7	3/4	4	5/8	85	95	2.1	2.6	2.4	
65	2 1/2"	180	20.7	74.6	104.8	27	68	139.7	3/4	4	5/8	90	100	3.3	4.1	3.9	
80	3"	190	22.3	90.7	127.0	29	68	152.4	3/4	4	5/8	90	100	3.9	4.9	4.9	
90	3 1/2"	215	22.3	103.4	139.7	30	70	177.8	3/4	8	5/8	90	100	4.8	6.1	6.2	
100	4"	230	22.3	116.1	157.2	32	75	190.5	3/4	8	5/8	90	100	5.3	6.8	7.0	
125	5"	255	22.3	143.8	185.7	35	87	215.9	7/8	8	3/4	95	110	6.1	8.6	8.6	
150	6"	280	23.9	170.7	215.9	38	87	241.3	7/8	8	3/4	100	115	7.5	10.6	11.3	
200	8"	345	27.0	221.5	269.9	43	100	298.5	7/8	8	3/4	110	120	12.1	17.6	19.6	
250	10"	405	28.6	276.2	323.8	48	100	362.0	1	12	7/8	115	125	16.5	24.0	28.8	
300	12"	485	30.2	327.0	381.0	54	113	431.8	1	12	7/8	120	135	26.2	36.5	43.2	
350	14"	535	33.4	359.2	412.8	56	125	476.3	1 1/8	12	1	135	145	34.6	48.4	58.1	
400	16"	595	35.0	410.5	469.9	62	125	539.8	1 1/8	16	1	135	145	44.8	60.6	76.1	
450	18"	635	38.1	461.8	533.4	67	138	577.9	1 1/4	16	1 1/8	145	160	48.9	68.3	93.7	
500	20"	700	41.3	513.1	584.2	71	143	635.0	1 1/4	20	1 1/8	160	170	61.9	84.5	122.0	
600	24"	815	46.1	616.0	692.2	81	151	749.3	1 3/8	20	1 1/4	170	185	86.9	115.0	185.0	

CLASS 600 FLANGES TO ASME B16.5																	
Nominal Size		Dimensions												Weight (Kg)			
DN	NPS	Flange OD A mm	Flange thickness D mm	Bore SOW B mm	Raised Face Diam G mm	Length Thru Hub		Bolt Drilling				RF Stud Bolt Length mm	RTJ Stud Bolt Length mm	SOW SW	WN	Blind	
						SOW, S W Threaded C mm	Welding Neck C mm	Circle Diam. K mm	Hole Diam. H Inch	Bolts No.	Bolt Diam. Inch						
15	1/2"	95	14.3	22.2	34.9	22	52	66.7	5/8	4	1/2	75	75	0.7	0.9	0.8	
20	3/4"	115	15.9	27.7	42.9	25	57	82.6	3/4	4	5/8	90	90	1.3	1.5	1.3	
25	1"	125	17.5	34.5	50.8	27	62	88.9	3/4	4	5/8	90	90	1.5	1.8	1.6	
32	1 1/4"	135	20.7	43.2	63.5	29	67	98.4	3/4	4	5/8	95	95	2.0	2.5	2.2	
40	1 1/2"	155	22.3	49.5	73.0	32	70	114.3	7/8	4	3/4	110	110	3.0	3.5	3.3	
50	2"	165	25.4	61.9	92.1	37	73	127.0	3/4	8	5/8	110	110	3.6	4.4	4.2	
65	2 1/2"	190	28.6	74.6	104.8	41	79	149.2	7/8	8	3/4	120	120	5.3	6.4	6.1	
80	3"	210	31.8	90.7	127.0	46	83	168.3	7/8	8	3/4	125	125	7.0	8.5	8.4	
90	3 1/2"	230	35.0	103.4	139.7	49	86	184.2	1	8	7/8	140	140	8.8	10.7	11.0	
100	4"	275	38.1	116.1	157.2	54	102	215.9	1	8	7/8	145	145	14.5	17.4	17.3	
125	5"	330	44.5	143.8	185.7	60	114	266.7	1 1/8	8	1	165	165	24.4	29.2	29.4	
150	6"	355	47.7	170.7	215.9	67	117	292.1	1 1/8	12	1	170	170	28.7	34.9	36.1	
200	8"	420	55.6	221.5	269.9	76	133	349.2	1 1/4	12	1 1/8	190	195	43.4	53.9	58.9	
250	10"	510	63.5	276.2	323.8	86	152	431.8	1 3/8	16	1 1/4	215	215	70.3	86.5	97.5	
300	12"	560	66.7	327.0	381.0	92	156	489.0	1 3/8	20	1 1/4	220	220	84.2	103.0	124.0	
350	14"	605	69.9	359.2	412.8	94	165	527.0	1 1/2	20	1 3/8	235	235	98.7	122.0	151.0	
400	16"	685	76.2	410.5	469.9	106	178	603.2	1 5/8	20	1 1/2	255	255	142.0	170.0	214.0	
450	18"	745	82.6	461.8	533.4	117	184	654.0	1 3/4	20	1 5/8	275	275	173.0	204.0	272.0	
500	20"	815	88.9	513.1	584.2	127	190	723.9	1 3/4	24	1 5/8	285	290	220.0	254.0	349.0	
600	24"	940	101.6	616.0	692.2	140	203	838.2	2	24	1 7/8	330	335	312.0	358.0	533.0	

CLASS 300 FLANGES TO ASME B16.5																	
Nominal Size		Dimensions												Weight (Kg)			
DN	NPS	Flange OD A mm	Flange thickness D mm	Bore SOW B mm	Raised Face Diam G mm	Length Thru Hub		Bolt Drilling				RF Stud Bolt Length mm	RTJ Stud Bolt Length mm	SOW SW	WN	Blind	
						SOW, S W Threaded C mm	Welding Neck C mm	Circle Diam. K mm	Hole Diam. H Inch	Bolts No.	Bolt Diam. Inch						
15	1/2"	95	12.7	22.2	34.9	21	51	66.7	5/8	4	1/2	65	75	0.6	0.8	0.6	
20	3/4"	115	14.3	27.7	42.9	24	56	82.6	3/4	4	5/8	75	90	1.1	1.3	1.1	
25	1"	125	15.9	34.5	50.8	25	60	88.9	3/4	4	5/8	75	90	1.4	1.5	1.4	
32	1 1/4"	135	17.5	43.2	63.5	25	64	98.4	3/4	4	8/8	85	95	1.7	2.0	1.8	
40	1 1/2"	155	19.1	49.5	73.0	29	67	114.3	7/8	4	3/4	90	100	2.5	2.9	2.7	
50	2"	165	20.7	61.9	92.1	32	68	127.0	3/4	8	5/8	90	100	2.9	3.4	3.2	
65	2 1/2"	190	23.9	74.6	104.8	37	75	149.2	7/8	8	3/4	100	115	4.3	5.2	4.9	
80	3"	210	27.0	90.7	127.0	41	78	168.3	7/8	8	3/4	110	120	5.9	6.9	6.8	
90	3 1/2"	230	28.6	103.4	139.7	43	79	184.2	7/8	8	3/4	110	125	7.3	8.7	8.7	
100	4"	255	30.2	116.1	157.2	46	84	200.0	7/8	8	3/4	115	125	9.6	11.2	11.5	
125	5"	280	33.4	143.8	185.7	49	97	235.0	7/8	8	3/4	120	135	12.3	15.1	15.6	
150	6"	320	35.0	170.7	215.9	51	97	269.9	7/8	12	3/4	120	140	15.6	19.1	20.9	
200	8"	380	39.7	221.5	269.9	60	110	330.2	1	12	7/8	140	150	24.2	29.9	34.3	
250	10"	445	46.1	276.2	323.8	65	116	387.4	1 1/8	16	1	160	170	34.1	42.7	53.3	
300	12"	520	49.3	327.0	381.0	71	129	540.8	1 1/4	16	1 1/8	170	185	49.8	61.8	78.8	
350	14"	585	52.4	359.2	412.8	75	141	514.4	1 1/4	20	1 1/8	180	190	69.9	85.8	105.0	
400	16"	650	55.6	410.5	469.9	81	144	571.5	1 3/8	20	1 1/4	190	205	88.1	106.0	137.0	
450	18"	710	58.8	461.8	533.4	87	157	628.6	1 3/8	24	1 1/4	195	210	109.0	131.0	175.0	
500	20"	775	62.0	513.1	584.2	94	160	685.8	1 3/8	24	1 1/4	205	220	134.0	158.0	221.0	
600	24"	915	68.3	616.0	692.2	105	167	812.8	1 5/8	24	1 1/2	230	255	201.0	230.0	339.0	



- Note 1:** all weights are approximate.
- Note 2:** For class 150,300 the Raised face height is 2mm and for class 400 to 2500 raised face height must be 7mm.
- Note 3:** Welding neck bore is derived from the pipe schedule.