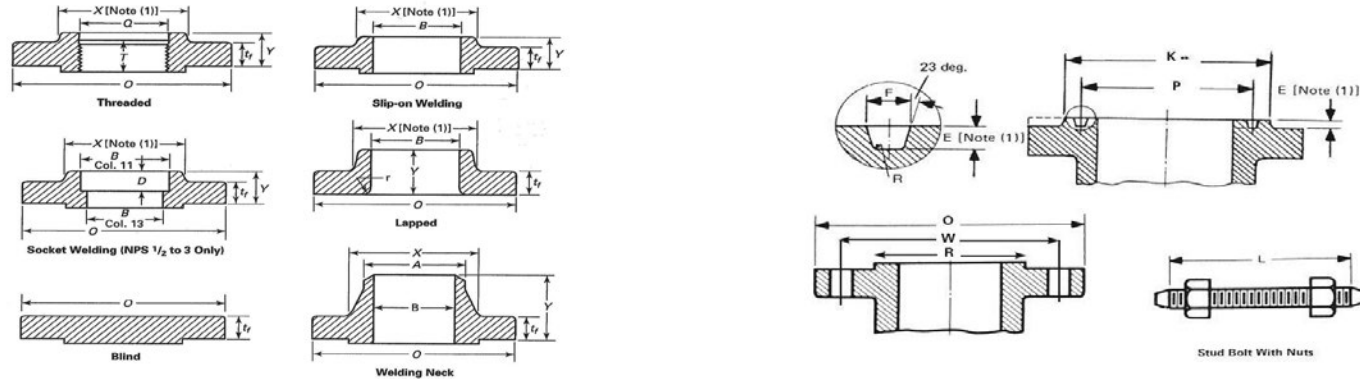


DIMENSION OF CLASS 150 FLANGES - ASME B16.5



Nominal Pipe size	FLANGE DIMENSIONS		HUB DIMENSIONS		LENGTH THROUGH HUB			THREADED FLANGE		SW	BORE			RF DIMENSIONS		RTJ DIMENSIONS				BOLT HOLE DRILLING				STUD BOLT LENGTH			
	OD Flange	Thickn.	Large end	Small end	Thr. Slip	Lapped	Weld Neck	Counter bore	Thread length	Socket depth	Slip-on SW	Lapped	Weld Neck	OD	Height	OD	Height	Groove number	Groove Pitch	Groove Depth	Groove Width	Bolt Circle	Bolt hole	No of bolts	Bolt diam.	2.0mm RF	Ring Joint
NPS	O	tf. min.	X	A	Y	Y	Y	Q min.	T min.	D	B min.	B min.	B	R	K	E		P	E	F	W	Bh	B min.	B min.	L	L	
1/2"	90	9.6	30	21.3	14	16	46		16	10	22.2	22.9	15.8	34.9	2							60.3	15.9	4	1/2"	55	
3/4"	100	11.2	38	26.7	14	16	51		16	11	27.7	28.2	20.9	42.9	2							69.9	15.9	4	1/2"	65	
1"	110	12.7	49	33.4	16	17	54		17	13	34.5	34.9	26.6	50.8	2	63.5	6.35	R15	47.63	6.35	8.74	79.4	15.9	4	1/2"	65	75
1 1/4"	115	14.3	59	42.2	19	21	56		21	14	43.2	43.7	35.1	63.5	2	73	6.35	R17	57.15	6.35	8.74	88.9	15.9	4	1/2"	70	85
1 1/2"	125	15.9	65	48.3	21	22	60		22	16	49.5	50	40.9	73	2	82.5	6.35	R19	65.07	6.35	8.74	98.4	15.9	4	1/2"	70	85
2"	150	17.5	78	60.3	24	25	62		25	17	61.9	62.5	52.5	92.1	2	102	6.35	R22	82.55	6.35	8.74	120.7	19.1	4	5/8"	85	95
2 1/2"	180	20.7	90	73	27	29	68		29	19	74.6	75.4	62.7	104.8	2	121	6.35	R25	101.60	6.35	8.74	139.7	19.1	4	5/8"	90	100
3"	190	22.3	108	88.9	29	30	68		30	21	90.7	91.4	77.9	127	2	133	6.35	R29	114.30	6.35	8.74	152.4	19.1	4	5/8"	90	100
3 1/2"	215	22.3	122	101.6	30	32	70		32		103.4	104.1	90.1	139.7	2	154	6.35	R33	131.78	6.35	8.74	177.8	19.1	8	5/8"	90	100
4"	230	22.3	135	114.3	32	33	75		33		116.1	116.8	102.3	157.2	2	171	6.35	R36	149.23	6.35	8.74	190.5	19.1	8	5/8"	90	100
5"	255	22.3	164	141.3	35	36	87		36		143.8	144.4	128.2	185.7	2	194	6.35	R40	171.45	6.35	8.74	215.9	22.2	8	3/4"	95	110
6"	280	23.9	192	168.3	38	40	87		40		170.7	171.4	154.1	215.9	2	219	6.35	R43	193.68	6.35	8.74	241.3	22.2	8	3/4"	100	115
8"	345	27	246	219.1	43	44	100		44		221.5	222.2	202.7	269.9	2	273	6.35	R48	247.65	6.35	8.74	298.5	22.2	8	3/4"	110	120
10"	405	28.6	305	273	48	49	100		49		276.2	277.4	254.6	323.8	2	330	6.35	R52	304.80	6.35	8.74	362	25.4	12	7/8"	115	125
12"	485	30.2	365	323.8	54	56	113		56		327	328.2	304.8	381	2	406	6.35	R56	381	6.35	8.74	431.8	25.4	12	7/8"	120	135
14"	535	33.4	400	355.6	56	79	125		57		359.2	360.2	To be	412.8	2	425	6.35	R59	396.88	6.35	8.74	476.3	28.6	12	1"	135	145
16"	595	35	457	406.4	62	87	125		64		410.5	411.2	speci-	469.9	2	483	6.35	R64	454.03	6.35	8.74	539.8	28.6	16	1"	135	145
18"	635	38.1	505	457	67	97	138		68		461.8	462.3	by pur-	533.4	2	546	6.35	R68	517.53	6.35	8.74	577.9	31.8	16	1 1/8"	145	160
20"	700	41.3	559	508	71	103	143		73		513.1	514.4	chaser.	584.2	2	597	6.35	R72	558.80	6.35	8.74	635	31.8	20	1 1/8"	160	170
24"	815	46.1	663	610	81	111	151		83		616	616		692.2	2	711	6.35	R76	673.10	6.35	8.74	749.3	34.9	20	1 1/4"	170	185

Note : All dimensions except NPS and Bolt Diameter are in millimeters.
 Note : The dimensions B for Socket Welding Flange equals B for Welding Neck.

Note(1): The tolerance for E is only applicable for groove depth
 Note: # Lapped flange shall be 1.6 mm thicker than table value.