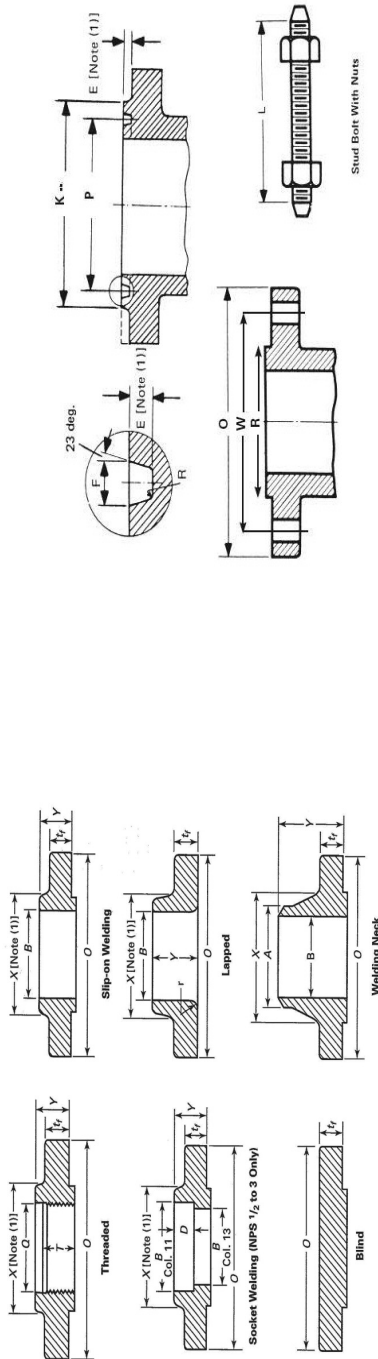


DIMENSION OF CLASS 150 FLANGES - ANSI B16.5

5 Flanges / Connectors



Nominal Pipe size	FLANGE DIMENSIONS		HUB DIMENSIONS		LENGTH THROUGH HUB		THREADED FLANGE		SW		BORE		DIMENSIONS		RTJ DIMENSIONS				BOLT HOLE DRILLING				STUD BOLT LENGTH		
	OD	Thickn.	Large end	Small end	Thr Slip	Lapped	Weld Neck	Counter bore	Thread length	Socket depth	Slip-on SW	Lapped	Weld Neck	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	E		P	E	F	W	Bh	B min.	L	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				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				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				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				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				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				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				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				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				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				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				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				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				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 spec-	412.8	2	425				476.3	28.6	12	1"	135	145
16"	595	35	457	406.4	62	87	125		64		410.5	411.2	spec-	469.9	2	483				539.8	28.6	16	1"	135	145
18"	635	38.1	505	457	67	97	138		68		461.8	462.3	field	533.4	2	546				577.9	31.8	16	1 1/8"	145	160
20"	700	41.3	559	508	71	103	143		73		513.1	514.4	by pur-	584.2	2	597				635	31.8	20	1 1/8"	160	170
24"	815	46.1	663	610	81	111	151		83		616	616	chaser.	692.2	2	711				749.3	34.9	20	1 1/4"	170	185

Note: All dimensions except NPS and Bolt Diameter are in millimeters.
 Note: The tolerance for E is only applicable for groove depth.
 Note: # Lapped flange shall be 1.6 mm thicker than table value.