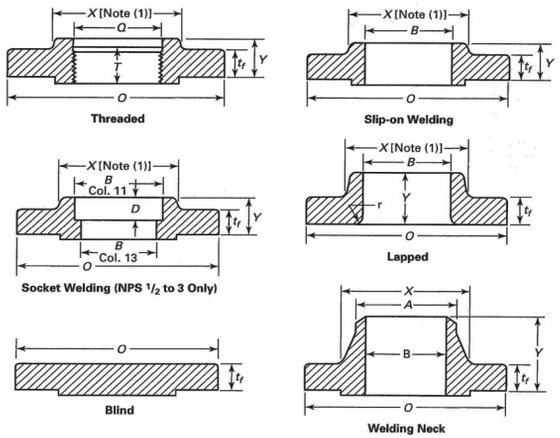
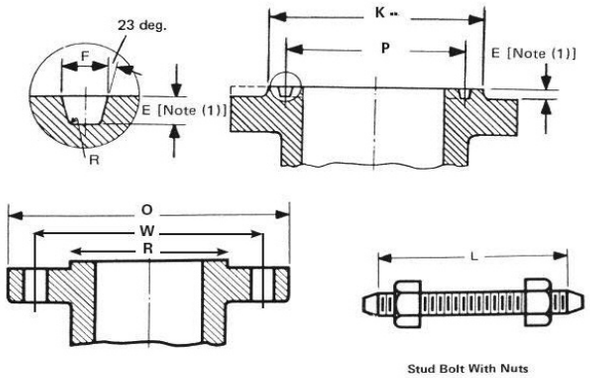
DIMENSION OF CLASS 2500 FLANGES - ANSI B16.5





	FLANGE DIMENSIONS		HUB DIMENSIONS		LENGTH THROUGH HUB			THREADED FLANGE		SW	BORE			RF DIMENSION		RTJ DIMENSION						BOLT HOLE DRILLING				STUD BOLT LENGHT	
Normal Pipe Size	OD Flange	Thickn.	Large end	Small end	Thr.slip sw	Lapped	Weld neck	Counter bore	Thread length	Socket depth	Slip-on	Lapped	Weld neck	OD	Height	OD	Height	Groove No	Groove Pitch	Groove Depth	Groove Width	Bolt Circle	Bolt hole	No of RF	Bolt diam	7.0 m m 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			L	L
1/2"	135	30,2	43	21,3	40	40	73	23,6	29	...	...	22,9		34,9	7,0	65	6,35	R13	42,88	6,35	8,74	88,9	22,2	4	3/4"	120	120
3/4"	140	31,8	51	26,7	43	43	79	29,0	32	...	...	28,2		42,9	7,0	73	6,35	R16	50,80	6,35	8,74	95,2	22,2	4	3/4"	125	125
1"	160	35,0	57	33,4	48	48	89	35,8	35	...	...	34,9		50,8	7,0	82,5	6,35	R18	60,33	6,35	8,74	108,0	25,4	4	7/8"	140	140
1 1/4"	185	38,1	73	42,2	52	52	95	44,4	39	...	...	43,7		63,5	7,0	102	7,92	R21	72,23	7,92	11,91	130,2	28,6	4	1"	150	150
1 1/2"	205	44,5	79	48,3	60	60	111	50,6	45	...	...	50,0		73,0	7,0	114	7,92	R23	82,55	7,92	11,91	146,0	31,8	4	1 1/8"	170	170
2"	235	50,9	95	60,3	70	70	127	63,5	51	...	...	62,5		92,1	7,0	133	7,92	R26	101,60	7,92	11,91	171,4	28,6	8	1"	180	180
2 1/2"	265	57,2	114	73,0	79	79	143	76,2	58	...	...	75,4		104,8	7,0	149	9,52	R28	111,13	9,52	13,49	196,8	31,8	8	1 1/8"	195	205
3"	305	66,7	133	88,9	...	92	168	...	...	...	...	91,4		127,0	7,0	168	9,52	R32	127,00	9,52	13,49	228,6	34,9	8	1 1/4"	220	230
4"	355	76,2	165	114,3	...	108	190	...	...	...	...	116,8		157,2	7,0	203	11,13	R38	157,18	11,13	16,66	273,0	41,3	8	1 1/2"	255	260
5"	420	92,1	203	141,3	...	130	229	...	...	...	...	144,4		185,7	7,0	241	12,70	R42	190,50	12,70	19,84	323,8	47,6	8	1 3/4"	300	310
6"	485	108,0	235	168,3	...	152	273	...	...	...	...	171,4	To be	215,9	7,0	279	12,70	R47	228,6	12,70	19,84	368,3	54,0	8	2"	345	355
8"	550	127,0	305	219,1	...	178	318	...	...	...	...	222,2	specified	269,9	7,0	340	14,27	R51	279,40	14,27	23,01	438,2	54,0	12	2"	380	395
10"	675	165,1	375	273,0	...	229	419	...	...	...	...	277,4	by	323,8	7,0	425	11,48	R55	342,90	11,48	30,18	539,8	66,7	12	2 1/2"	490	510
12"	760	184,2	441	323,8	...	254	464	...	...	...	...	328,2	Purchaser	381,0	7,0	495	11,48	R60	406,40	11,48	33,32	619,1	73,0	12	2 3/4"	540	560

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.

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