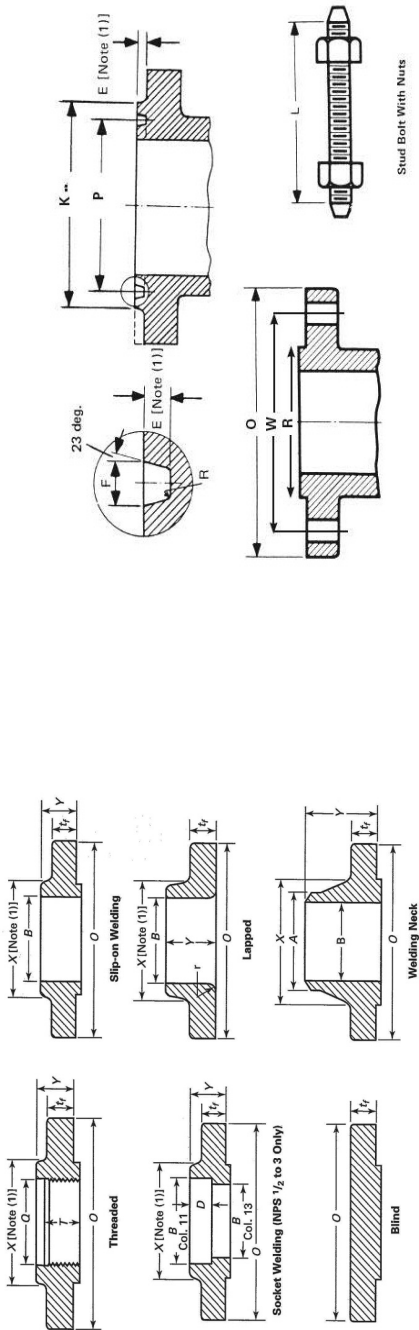


DIMENSION OF CLASS 300 FLANGES - ANSI B16.5



Nominal Pipe size	FLANGE DIMENSION		HUB DIMENSION		LENGTH THROUGH HUB		THREADED FLANGE		SW		BORE		RF DIMENSION		RTJ DIMENSION					BOLT-HOLE DRILLING				STUD BOLT LENGTH					
	OD	Thickn.	Large end	Small end	Thr. Slip. end	Lapped	Weld neck	Counter bore	Thread length	Socket depth	Slip-on SW	Lapped	B min.	Weld neck	OD	Height	OD	Height	E	Height	Groove number	Groove Pitch	Groove Depth	Groove Width	Bolt Circle	Bolt Hole	No of bolts	Bolt diam.	2.0mm RF
1/2"	95	12.7	38	21.3	21	22	51	23.6	16	10	22.2	22.9	15.8	34.9	2	51	5.54	34.14	R11	34.14	5.54	7.14	66.7	15.9	4	1/2"	65	75	
3/4"	115	14.3	48	26.7	24	25	56	29	16	11	27.7	28.2	20.9	42.9	2	63.5	6.35	42.88	R13	42.88	6.35	8.74	82.6	19.1	4	5/8"	75	90	
1"	125	15.9	54	33.4	25	27	60	35.8	18	13	34.5	34.9	26.6	50.8	2	70	6.35	50.8	R16	50.8	6.35	8.74	88.9	19.1	4	5/8"	75	90	
1 1/4"	135	17.5	64	42.2	25	27	64	44.4	21	14	43.2	43.7	35.1	63.5	2	79.5	6.35	60.33	R18	60.33	6.35	8.74	98.4	19.1	4	5/8"	85	95	
1 1/2"	155	19.1	70	48.3	29	30	67	50.3	23	16	49.5	50	40.9	73	2	90.5	6.35	68.27	R20	68.27	6.35	8.74	114.3	22.2	4	3/4"	90	100	
2"	165	20.7	84	60.3	32	33	68	63.5	29	17	61.9	62.5	52.5	92.1	2	108	7.92	82.55	R23	82.55	7.92	11.91	127	19.1	8	3/4"	90	100	
2 1/2"	190	23.9	100	73	37	38	75	76.2	32	19	74.6	75.4	62.7	104.8	2	127	7.92	101.6	R26	101.6	7.92	11.91	149.2	22.2	8	3/4"	100	115	
3"	210	27	117	88.9	41	43	78	92.2	32	21	90.7	91.4	77.9	127	2	146	7.92	123.83	R31	123.83	7.92	11.91	168.3	22.2	8	3/4"	110	120	
3 1/2"	230	28.6	133	101.6	43	44	79	104.9	37	21	103.4	104.1	90.1	139.7	2	159	7.92	131.78	R34	131.78	7.92	11.91	184.2	22.2	8	3/4"	110	125	
4"	255	30.2	146	114.3	46	48	84	117.6	37	21	116.1	116.8	102.3	157.2	2	175	7.92	149.23	R37	149.23	7.92	11.91	200	22.2	8	3/4"	115	125	
5"	280	33.4	178	141.3	49	51	97	144.4	43	21	143.8	144.4	128.2	185.7	2	210	7.92	180.98	R41	180.98	7.92	11.91	235	22.2	8	3/4"	120	135	
6"	320	35	206	168.3	51	52	97	171.4	47	21	170.7	171.4	154.1	215.9	2	241	7.92	211.12	R45	211.12	7.92	11.91	269.9	22.2	12	3/4"	140	150	
8"	380	39.7	260	219.1	60	62	110	222.2	51	21	221.5	222.2	202.7	269.9	2	302	7.92	269.88	R49	269.88	7.92	11.91	330.2	25.4	12	7/8"	140	150	
10"	445	46.1	321	273	65	65	116	276.2	56	21	276.2	277.4	254.6	323.8	2	356	7.92	323.85	R53	323.85	7.92	11.91	387.4	28.6	16	1"	160	170	
12"	520	49.3	375	323.8	71	102	129	328.6	61	21	327	328.2	304.8	381	2	413	7.92	381	R57	381	7.92	11.91	450.8	31.8	16	1 1/8"	170	185	
14"	585	52.4	425	356.6	75	111	141	360.4	64	21	359.2	360.2	360.2	412.8	2	457	7.92	412.8	R61	412.8	7.92	11.91	514.4	31.8	20	1 1/8"	180	190	
16"	650	55.6	483	406.4	81	121	144	411.2	69	21	410.5	411.2	To be specified	469.9	2	508	7.92	469.9	R65	469.9	7.92	11.91	571.5	34.9	20	1 1/4"	190	205	
18"	710	58.8	533	457	87	130	157	462	70	21	461.8	462.3	533.4	533.4	2	575	7.92	533.4	R69	533.4	7.92	11.91	628.6	34.9	24	1 1/4"	195	210	
20"	775	62	587	508	94	140	160	512.8	74	21	513.1	514.4	584.2	584.2	2	635	9.53	584.2	R73	584.2	9.53	13.49	685.8	34.9	24	1 1/4"	205	220	
24"	915	68.3	702	610	105	152	167	614.4	83	21	616	616	692.2	692.2	2	749	11.13	692.15	R77	692.15	11.13	16.66	812.8	41.3	24	1 1/2"	230	255	

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

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