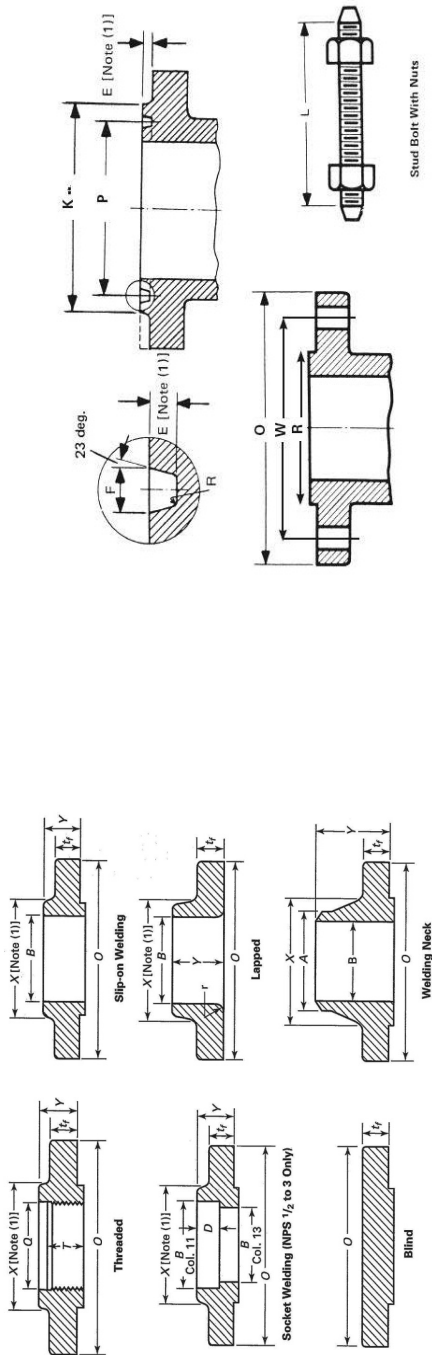


DIMENSION OF CLASS 600 FLANGES - ANSI B16.5



Nominal Pipe Size NPS	FLANGE DIMENSIONS		HUB DIMENSIONS		LENGTH THROUGH HUB		THREADED FLANGE		SW		BORE		RF DIMENSION		RTJ DIMENSION				BOLT HOLE DRILLING			STUD BOLT LENGTH						
	OD	Thickn. tf, min.	Large end	Small end	Thrslip SW	Lapped	Weld neck	Counter bore	Q min	T min	Thread length	Socket depth	SW D	Slip-on SW B min	Lapped B min	Weld neck B	OD	Height	No	Groove Pitch	Groove Depth	Groove Width	Bolt Circle	Bolt hole	No of RF	Bolt diam	7.0 mm RF	Ring Joint
1/2"	95	14.3	38	21.3	22	52	23.6	16	11	10	22.2	22.9	22.9	34.9	7.0	51	5.54	R11	34.14	5.54	7.14	66.7	15.9	4	1/2"	75	75	L
3/4"	115	15.9	48	26.7	25	25	29.0	16	11	11	27.7	28.2	28.2	42.9	7.0	63.5	6.35	R13	42.88	6.35	8.74	82.6	19.1	4	5/8"	90	90	L
1"	125	17.5	54	33.4	27	27	35.8	18	13	13	34.5	34.9	34.9	50.8	7.0	70	6.35	R16	50.8	6.35	8.74	88.9	19.1	4	5/8"	90	90	L
1 1/4"	135	20.7	64	42.2	29	29	44.4	21	14	14	43.2	43.7	43.7	63.5	7.0	79.5	6.35	R18	60.33	6.35	8.74	98.4	19.1	4	5/8"	95	95	L
1 1/2"	155	22.3	70	48.3	32	32	50.6	23	16	16	49.5	50.0	50.0	73	7.0	90.5	6.35	R20	68.27	6.35	8.74	114.3	22.2	4	3/4"	110	110	L
2"	165	25.4	84	60.3	37	37	63.5	29	17	17	61.9	62.5	62.5	92.1	7.0	108	7.92	R23	82.55	7.92	11.91	127	19.1	8	5/8"	110	110	L
2 1/2"	190	28.6	100	73.0	41	41	76.2	32	19	19	74.6	75.4	75.4	104.8	7.0	127	7.92	R26	101.6	7.92	11.91	149.2	22.2	8	3/4"	120	120	L
3"	210	31.8	117	88.9	46	46	83	35	21	21	90.7	91.4	91.4	127	7.0	146	7.92	R31	123.83	7.92	11.91	168.3	22.2	8	3/4"	125	125	L
3 1/2"	230	35.0	133	101.6	49	49	86	38	23	23	103.4	104.1	104.1	139.7	7.0	169	7.92	R34	131.78	7.92	11.91	184.2	25.4	8	7/8"	140	140	L
4"	275	38.1	152	114.3	54	54	102	42	25	25	116.1	116.8	116.8	157.2	7.0	175	7.92	R37	149.23	7.92	11.91	215.9	25.4	8	7/8"	145	145	L
5"	330	44.5	189	141.3	60	60	114	48	30	30	143.8	144.4	144.4	185.7	7.0	210	7.92	R41	180.98	7.92	11.91	266.7	28.6	8	1"	165	165	L
6"	395	47.7	222	168.3	67	67	117	51	33	33	170.7	171.4	171.4	215.9	7.0	241	7.92	R45	211.12	7.92	11.91	292.1	28.6	12	1"	170	170	L
8"	420	55.6	273.0	219.1	76	76	133	58	40	40	221.5	222.2	222.2	269.9	7.0	302	7.92	R49	249.88	7.92	11.91	349.2	31.8	12	1 1/8"	195	195	L
10"	510	63.5	343	273.0	86	86	152	66	48	48	276.2	277.4	277.4	323.8	7.0	356	7.92	R53	323.85	7.92	11.91	431.8	34.9	16	1 1/4"	215	215	L
12"	560	66.7	400	323.8	92	92	156	70	52	52	327.0	328.2	328.2	381	7.0	413	7.92	R57	381	7.92	11.91	489	34.9	20	1 1/4"	220	220	L
14"	605	69.9	432	355.6	94	94	165	74	54	54	359.2	360.2	360.2	412.8	7.0	457	7.92	R61	419.1	7.92	11.91	527	38.1	20	1 3/8"	235	235	L
16"	685	76.2	495	406.4	106	106	178	80	60	60	410.5	411.2	411.2	469.9	7.0	508	7.92	R65	469.9	7.92	11.91	603.2	41.3	20	1 1/2"	255	255	L
18"	745	82.6	546	457.0	117	117	184	88	68	68	461.8	461.8	461.8	533.4	7.0	575	7.92	R69	533.4	7.92	11.91	654	44.5	20	1 5/8"	275	275	L
20"	815	88.9	610	508.0	127	127	190	96	76	76	513.1	513.1	513.1	584.2	7.0	635	9.53	R73	584.2	9.53	13.49	723.9	44.5	20	1 5/8"	285	285	L
24"	940	101.6	718	610.0	140	140	203	108	88	88	616.0	616.0	616.0	692.2	7.0	749	11.13	R77	692.15	11.13	16.66	838.2	50.8	24	1 7/8"	330	330	L

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.