



THREADED

LAPPED

SOCKET WELDING
(1/2 to 3 only)

DIMENSIONS OF CLASS 600 FLANGES (ANSI B 16.5)

(n mm)

Nominal Pipe Size (inch)	Nominal Pipe Size (mm)	Flange Dia O	Dia of Bolt Circle A	Dia of Bolt Holes D	No. of Holes	Thk of Flange C	Dia of Hub E	Length through Hub			Dia of Bore		Dia of R/F R	Depth of Socket F
								S/o & S/w, Y	W/N Y	L/J Y	S/O & S/W B	L/J B		
1/2	15	95	66.7	15.9	4	14.3	38	22	52	22	22.2	22.9	34.9	10
3/4	20	115	82.6	19.0	4	15.9	48	25	57	25	27.7	28.2	42.9	11
1	25	125	88.9	19.0	4	17.5	54	27	62	27	34.5	34.9	50.8	13
1.1/4	32	135	98.4	19.0	4	20.7	64	29	67	29	43.2	43.7	63.5	14
1.1/2	40	155	114.3	22.2	4	22.3	70	32	70	32	49.5	50.0	73.0	16
2	50	165	127.0	19.0	8	25.4	84	37	73	37	61.9	62.5	92.1	17
2.1/2	65	190	149.2	22.2	8	28.6	100	41	79	41	74.6	75.4	104.8	19
3	80	210	168.3	22.2	8	31.8	117	46	83	46	90.7	91.4	127.0	-
4	100	275	215.9	25.4	8	38.1	152	54	102	54	116.1	116.8	157.2	-
5	125	330	266.7	28.6	8	44.5	189	60	114	60	143.8	144.4	185.7	-
6	150	355	292.1	28.6	12	47.7	222	67	117	67	170.7	171.4	215.9	-
8	200	420	349.2	31.7	12	55.6	273	76	133	76	221.5	222.2	269.9	-
10	250	510	431.8	34.9	16	63.5	343	86	152	111	276.2	277.4	323.8	-
12	300	560	489.0	34.9	20	66.7	400	92	156	117	327.0	328.2	381.0	-
14	350	605	527.0	38.1	20	69.9	432	94	165	127	359.2	360.2	412.8	-
16	400	685	603.2	41.3	20	76.2	495	106	178	140	410.5	411.2	469.9	-
18	450	745	654.0	44.4	20	82.6	546	117	184	152	461.8	462.3	533.4	-
20	500	815	723.9	44.4	24	88.9	610	127	190	165	513.1	514.4	584.2	-
24	600	940	838.2	50.8	24	101.6	718	140	203	184	616.0	616.0	692.2	-

DIMENSIONS OF CLASS 900 FLANGES (ANSI B 16.5)

(n mm)

Nominal Pipe Size (inch)	Nominal Pipe Size (mm)	Flange Dia O	Dia of Bolt Circle A	Dia of Bolt Holes D	No. of Holes	Thk of Flange C	Dia of Hub E	Length through Hub			Dia of Bore		Dia of R/F R	Depth of Socket F
								S/o & S/w, y	W/N Y	L/J y	S/O & S/W B	L/J B		
1/2	15	120	82.6	22.2	4	22.3	38	32	60	32	22.2	22.9	34.9	10
3/4	20	130	88.9	22.2	4	25.4	44	35	70	35	27.7	28.2	42.9	11
1	25	150	101.6	25.4	4	28.6	52	41	73	41	34.5	34.9	50.8	13
1.1/4	32	160	111.1	25.4	4	28.6	64	41	73	41	43.2	43.7	63.5	14
1.1/2	40	180	123.8	28.6	4	31.8	70	44	83	44	49.5	50.0	73.0	16
2	50	215	165.1	25.4	8	38.1	105	57	102	57	61.9	62.5	92.1	17
2.1/2	65	245	190.5	28.6	8	41.3	124	64	105	64	74.6	75.4	104.8	19
3	80	240	190.5	25.4	8	38.1	127	54	102	54	90.7	91.4	127.0	-
4	100	290	235.0	31.7	8	44.5	159	70	114	70	116.1	116.8	157.2	-
5	125	350	279.4	35.0	8	50.8	190	79	127	79	143.8	144.4	185.7	-
6	150	380	317.5	31.7	12	55.6	235	86	140	86	170.7	171.4	215.9	-
8	200	470	393.7	38.1	12	63.5	298	102	162	114	221.5	222.2	269.9	-
10	250	545	469.9	38.1	16	69.5	368	108	184	127	276.2	277.4	323.8	-
12	300	610	533.4	38.1	20	79.4	419	117	200	143	327.0	328.2	381.0	-

1) Thickness 'C' is Exclusive of Raised Face Thickness of 7mm For Class 600 and 900.