



Class 150+300      Class 600+2500

		Class 150															
		Dimensions (mm)															
NPS	DN	D	D1	D2	D3	D4	D5	D6	D7	C	f	f1	E	F	R	n	d
1/2	15	89	60.3	35.1	-	-	-	-	-	11.1	1.6	-	-	-	-	4	15.9
3/4	20	98	69.8	42.9	-	-	-	-	-	11.1	1.6	-	-	-	-	4	15.9
1	25	108	79.4	50.8	-	-	-	63.5	47.63	11.1	1.6	-	6.35	8.73	0.8	4	15.9
1 1/4	32	117	88.9	63.5	-	-	-	73	57.15	12.7	1.6	-	6.35	8.73	0.8	4	15.9
1 1/2	40	127	98.4	73.2	-	-	-	82.6	65.09	14.3	1.6	-	6.35	8.73	0.8	4	15.9
2	50	152	120.6	91.9	-	-	-	101.6	82.55	15.9	1.6	-	6.35	8.73	0.8	4	19
2 1/2	65	178	139.7	104.6	-	-	-	120.6	101.60	17.5	1.6	-	6.35	8.73	0.8	4	19
3	80	190	152.4	127	-	-	-	133.4	114.30	19	1.6	-	6.35	8.73	0.8	4	19
4	100	229	190.5	157.2	-	-	-	171.4	149.23	23.8	1.6	-	6.35	8.73	0.8	8	19
5	125	254	215.9	185.7	-	-	-	193.7	171.45	23.8	1.6	-	6.35	8.73	0.8	8	22.2
6	150	279	241.3	215.9	-	-	-	219.1	193.68	25.4	1.6	-	6.35	8.73	0.8	8	22.2
8	200	343	298.4	269.7	-	-	-	273	247.65	28.6	1.6	-	6.35	8.73	0.8	8	22.2
10	250	406	362	323.9	-	-	-	330.2	304.80	30.2	1.6	-	6.35	8.73	0.8	12	25.4
12	300	483	431.8	381	-	-	-	406.4	381	31.8	1.6	-	6.35	8.73	0.8	12	25.4
14	350	533	476.2	412.8	-	-	-	425.4	396.88	34.9	1.6	-	6.35	8.73	0.8	12	28.6
16	400	597	539.8	469.9	-	-	-	482.6	454.03	36.5	1.6	-	6.35	8.73	0.8	16	28.6
18	450	635	577.8	533.4	-	-	-	546.1	517.53	39.7	1.6	-	6.35	8.73	0.8	16	31.8
20	500	698	635	584.2	-	-	-	596.9	558.80	42.9	1.6	-	6.35	8.73	0.8	20	31.8
24	600	813	749.3	692.2	-	-	-	711.2	673.10	47.6	1.6	-	6.35	8.73	0.8	20	34.9

		Class 300															
		Dimensions mm)															
NPS	DN	D	D1	D2	D3	D4	D5	D6	D7	C	f	f1	E	F	R	n	d
1/2	15	95	66.7	35.1	46	36.6	23.9	50.8	34.13	14.3	1.6	4.8	5.56	7.14	0.8	4	15.9
3/4	20	117	82.6	42.9	53.8	44.5	31.8	63.5	42.86	15.9	1.6	4.8	6.35	8.73	0.8	4	19
1	25	124	88.9	50.8	62	52.3	36.6	69.8	50.80	17.5	1.6	4.8	6.35	8.73	0.8	4	19
1 1/4	32	133	98.4	63.5	74.7	65	46	79.4	60.333	19	1.6	4.8	6.35	8.73	0.8	4	19
1 1/2	40	156	114.3	73.2	84.1	74.7	52.3	90.5	68.26	20.6	1.6	4.8	6.35	8.73	0.8	4	22.2
2	50	165	127	91.9	103.1	93.7	71.4	108	82.55	22.2	1.6	4.8	7.94	11.91	0.8	8	19
2 1/2	65	190	149.2	104.6	115.8	106.4	84.1	127	101.60	25.4	1.6	4.8	7.94	11.91	0.8	8	22.2
3	80	210	168.3	127	138.2	128.5	106.4	133.4	123.83	28.6	1.6	4.8	7.94	11.91	0.8	8	22.2
4	100	254	200	157.2	168.1	158.8	130	174.6	149.23	31.8	1.6	4.8	7.94	11.91	0.8	8	22.2
5	125	279	235	185.7	196.9	187.5	158.8	209.6	180.98	34.9	1.6	4.8	7.94	11.91	0.8	8	22.2
6	150	318	269.9	215.9	227.1	217.4	189	241.3	211.14	36.5	1.6	4.8	7.94	11.91	0.8	12	22.2
8	200	381	330.2	269.7	280.9	271.5	236.5	301.6	269.88	41.3	1.6	4.8	7.94	11.91	0.8	12	25.4
10	250	444	387.4	323.9	335	325.4	284.2	355.6	323.85	47.6	1.6	4.8	7.94	11.91	0.8	16	28.6
12	300	521	450.8	381	392.9	382.5	341.4	412.8	381	50.8	1.6	4.8	7.94	11.91	0.8	16	31.8
14	350	584	514.4	412.8	423.9	414.3	373.1	457.2	419.10	54	1.6	4.8	7.94	11.91	0.8	20	31.8
16	400	648	571.5	469.9	481.1	471.4	423.9	508	469.90	57.2	1.6	4.8	7.94	11.91	0.8	20	34.9
18	450	711	628.6	533.4	544.6	534.9	487.4	574.7	533.40	60.3	1.6	4.8	7.94	11.91	0.8	24	34.9
20	500	775	685.8	584.2	595.4	585.7	531.9	635	584.20	63.5	1.6	4.8	9.53	13.49	1.6	24	34.9
24	600	914	812.8	692.2	703.3	693.7	639.8	749.3	692.15	69.8	1.6	4.8	11.11	16.67	1.6	24	41.3

# Flanged connection as per ANSI B16.5

		Class 600															
		Dimensions (mm)															
NPS	DN	D	D1	D2	D3	D4	D5	D6	D7	C	f	f1	E	F	R	n	d
1/2	15	95	66.7	35.1	46	36.6	23.9	50.8	34.13	14.3	6.4	4.8	5.56	7.14	0.8	4	15.9
3/4	20	117	82.6	42.9	53.8	44.5	31.8	63.5	42.86	15.9	6.4	4.8	6.35	8.73	0.8	4	19
1	25	124	88.9	50.8	62	52.3	36.6	69.8	50.80	17.5	6.4	4.8	6.35	8.73	0.8	4	19
1 1/4	32	133	98.4	63.5	74.7	65	46	79.4	60.333	20.6	6.4	4.8	6.35	8.73	0.8	4	19
1 1/2	40	156	114.3	73.2	84.1	74.7	52.3	90.5	68.26	22.2	6.4	4.8	6.35	8.73	0.8	4	22.2
2	50	165	127	91.9	103.1	93.7	71.4	108	82.55	25.4	6.4	4.8	7.94	11.91	0.8	8	19
2 1/2	65	190	149.2	104.6	115.8	106.4	84.1	127	101.60	28.6	6.4	4.8	7.94	11.91	0.8	8	22.2
3	80	210	168.3	127	138.2	128.5	106.4	133.4	123.83	31.8	6.4	4.8	7.94	11.91	0.8	8	22.2
4	100	273	215.9	157.2	168.1	158.8	130	174.6	149.23	38.1	6.4	4.8	7.94	11.91	0.8	8	25.4
5	125	330	266.7	185.7	196.9	187.5	158.8	209.6	180.98	44.4	6.4	4.8	7.94	11.91	0.8	8	28.6
6	150	356	292.1	215.9	227.1	217.4	189	241.3	211.14	47.6	6.4	4.8	7.94	11.91	0.8	12	28.6
8	200	419	349.2	269.7	280.9	271.5	236.5	301.6	269.88	55.6	6.4	4.8	7.94	11.91	0.8	12	31.8
10	250	508	431.8	323.9	335	325.4	284.2	355.6	323.85	63.5	6.4	4.8	7.94	11.91	0.8	16	34.9
12	300	559	489	381	392.9	382.5	341.4	412.8	381	66.7	6.4	4.8	7.94	11.91	0.8	20	34.9
14	350	603	527	412.8	423.9	414.3	373.1	457.2	419.10	69.8	6.4	4.8	7.94	11.91	0.8	20	38.1
16	400	686	603.2	469.9	481.1	471.4	423.9	508	469.90	76.2	6.4	4.8	7.94	11.91	0.8	20	41.3
18	450	743	654	533.4	544.6	534.9	487.4	574.7	533.40	82.6	6.4	4.8	7.94	11.91	0.8	20	44.4
20	500	813	723.9	584.2	595.4	585.7	531.9	635	584.20	88.9	6.4	4.8	9.53	13.49	1.6	24	44.4
24	600	940	838.2	692.2	703.3	693.7	639.8	749.3	692.15	101.6	6.4	4.8	11.11	16.67	1.6	24	50.8

		Class 900															
		Dimensions (mm)															
NPS	DN	D	D1	D2	D3	D4	D5	D6	D7	C	f	f1	E	F	R	n	d
1/2	15	121	82.6	35.1	46	36.6	23.9	-	-	22.2	6.4	4.8	-	-	-	4	22.2
3/4	20	130	88.9	42.9	53.8	44.5	31.8	-	-	25.4	6.4	4.8	-	-	-	4	22.2
1	25	149	101.6	50.8	62	52.3	36.6	-	-	28.6	6.4	4.8	-	-	-	4	25.4
1 1/4	32	159	111.1	63.5	74.7	65	46	-	-	28.6	6.4	4.8	-	-	-	4	25.4
1 1/2	40	178	123.8	73.2	84.1	74.7	52.3	-	-	31.8	6.4	4.8	-	-	-	4	28.6
2	50	216	165.1	91.9	103.1	93.7	71.4	-	-	38.1	6.4	4.8	-	-	-	8	25.4
2 1/2	65	244	190.5	104.6	115.8	106.4	84.1	-	-	41.3	6.4	4.8	-	-	-	8	28.6
3	80	241	190.5	127	138.2	128.5	106.4	155.6	123.83	38.1	6.4	4.8	7.94	11.91	0.8	8	25.4
4	100	292	235	157.2	168.1	158.8	130	181	149.23	44.4	6.4	4.8	7.94	11.91	0.8	8	31.8
5	125	349	279.4	185.7	196.9	187.5	158.8	215.9	180.98	50.8	6.4	4.8	7.94	11.91	0.8	8	34.9
6	150	381	317.5	215.9	227.1	217.4	189	241.3	211.14	55.6	6.4	4.8	7.94	11.91	0.8	12	31.8
8	200	470	393.7	269.7	280.9	271.5	236.5	308	169.88	63.5	6.4	4.8	7.94	11.91	0.8	12	38.1
10	250	546	469.9	323.9	335	325.4	284.2	362	323.85	69.8	6.4	4.8	7.94	11.91	0.8	16	38.1
12	300	610	533.4	381	392.9	382.5	341.4	419.1	381	79.4	6.4	4.8	7.94	11.91	0.8	20	38.1
14	350	641	558.8	412.8	423.9	414.3	373.1	466.7	419.10	85.7	6.4	4.8	11.11	16.67	1.6	20	41.3
16	400	705	616	469.9	481.1	471.4	423.9	523.9	469.90	88.9	6.4	4.8	11.11	16.67	1.6	20	44.4
18	450	787	685.8	533.4	544.6	534.9	487.4	593.7	533.40	101.6	6.4	4.8	12.70	19.84	1.6	20	50.8
20	500	857	749.3	584.2	595.4	585.7	531.9	647.7	584.20	108	6.4	4.8	12.70	19.84	1.6	24	54
24	600	1041	901.7	692.2	703.3	693.7	639.8	771.5	692.15	139.7	6.4	4.8	15.88	26.99	2.4	24	66.7

# Flanged connection as per ANSI B16.5

		Class 1500															
		Dimensions (mm)															
NPS	DN	D	D1	D2	D3	D4	D5	D6	D7	C	f	f1	E	F	R	n	d
1/2	15	121	82.6	35.1	46	36.6	23.9	60.3	39.69	22.2	6.4	4.8	6.35	8.73	0.8	4	22.2
3/4	20	130	88.9	42.9	53.8	44.5	31.8	66.7	44.45	25.4	6.4	4.8	6.35	8.73	0.8	4	22.2
1	25	149	101.6	50.8	62	52.3	36.6	71.4	50.80	28.6	6.4	4.8	6.35	8.73	0.8	4	25.4
1 1/4	32	159	111.1	63.5	74.7	65	46	81	60.33	28.6	6.4	4.8	6.35	8.73	0.8	4	25.4
1 1/2	40	178	123.8	73.2	84.1	74.7	52.3	82.1	68.26	31.8	6.4	4.8	6.35	8.73	0.8	4	28.6
2	50	216	165.1	91.9	103.1	93.7	71.4	123.8	95.25	38.1	6.4	4.8	7.94	11.91	0.8	8	25.4
2 1/2	65	244	190.5	104.6	115.8	106.4	84.1	136.5	107.95	41.3	6.4	4.8	7.94	11.91	0.8	8	28.6
3	80	267	203.2	127	138.2	128.5	106.4	168.3	136.53	47.6	6.4	4.8	7.94	11.91	0.8	8	31.8
4	100	311	241.3	157.2	168.1	158.8	130	193.7	161.93	54	6.4	4.8	7.94	11.91	0.8	8	34.9
5	125	375	292.1	185.7	196.9	187.5	158.8	228.6	193.68	73	6.4	4.8	7.94	11.91	0.8	8	41.3
6	150	394	317.5	215.9	227.1	217.4	189	247.6	211.14	82.6	6.4	4.8	9.53	13.49	1.6	12	38.1
8	200	483	393.7	269.7	280.9	271.5	236.5	317.5	269.88	92.1	6.4	4.8	11.11	16.67	1.6	12	44.4
10	250	584	482.6	323.9	335	325.4	284.2	371.5	323.85	108	6.4	4.8	11.11	16.67	1.6	12	50.8
12	300	673	571.5	381	392.9	382.5	341.4	438.1	381	123.8	6.4	4.8	14.29	23.02	1.6	16	54
14	350	749	635	412.8	423.9	414.3	373.1	488.9	419.10	133.4	6.4	4.8	15.88	26.99	2.4	16	60.3
16	400	826	704.8	469.9	481.1	471.4	423.9	546.1	469.90	146.1	6.4	4.8	17.46	30.16	2.4	16	66.7
18	450	914	774.7	533.4	544.6	534.9	487.4	612.8	533.40	161.9	6.4	4.8	17.46	30.16	2.4	16	73
20	500	984	831.8	584.2	595.4	585.7	531.9	673.1	584.20	178	6.4	4.8	17.46	33.34	2.4	16	79.4
24	600	1168	990.6	692.2	703.3	693.7	639.8	793.8	692.15	203	6.4	4.8	20.64	36.51	2.4	16	92

		Class 2500															
		Dimensions (mm)															
NPS	DN	D	D1	D2	D3	D4	D5	D6	D7	C	f	f1	E	F	R	n	d
1/2	15	133	88.9	35.1	46	36.6	23.9	65.1	42.86	30.2	6.4	4.8	6.35	8.73	0.8	4	22.2
3/4	20	140	95.2	42.9	53.8	44.5	31.8	73	50.80	31.7	6.4	4.8	6.35	8.73	0.8	4	22.2
1	25	159	107.9	50.8	62	52.3	36.6	82.5	60.33	34.9	6.4	4.8	6.35	8.73	0.8	4	25.4
1 1/4	32	184	130.2	63.5	74.7	65	46	101.6	72.23	38.1	6.4	4.8	7.94	11.91	0.8	4	28.6
1 1/2	40	203	146	73.2	84.1	74.7	52.3	114.3	82.55	44.4	6.4	4.8	7.94	11.91	0.8	4	31.8
2	50	235	171.4	91.9	103.1	93.7	71.4	133.4	101.60	50.8	6.4	4.8	7.94	11.91	0.8	8	28.6
2 1/2	65	267	196.8	104.6	115.8	106.4	84.1	149.2	111.13	57.1	6.4	4.8	9.52	13.49	1.6	8	31.8
3	80	305	228.6	127	138.2	128.5	106.4	168.3	127	66.7	6.4	4.8	9.52	13.49	1.6	8	34.9
4	100	356	273	157.2	168.1	158.8	130	203.2	157.16	76.2	6.4	4.8	11.11	16.67	0.8	8	41.3
5	125	419	323.8	185.7	196.9	187.5	158.8	241.3	190.50	92.1	6.4	4.8	12.70	19.84	1.6	8	47.6
6	150	483	368.3	215.9	227.1	217.4	189	279.4	228.60	108	6.4	4.8	12.70	19.84	1.6	8	54
8	200	552	438.1	269.7	280.9	271.5	236.5	339.7	279.40	127	6.4	4.8	14.29	23.02	1.6	12	54
10	250	673	539.7	323.9	335	325.4	284.2	425.4	342.90	165.1	6.4	4.8	17.46	30.16	2.4	12	66.7
12	300	762	619.1	381	392.9	382.5	341.4	495.3	406.40	184.1	6.4	4.8	17.46	33.34	2.4	12	73