

ANSI B16.5 FLANGE DETAILS

PIPE		FLANGE							
NOMINAL SIZE	O.D.	ib/sq.in	O.D.	R.F.	THICKNESS	RFT	NO. OF HOLES	HOLE DIA	PCD
INCH	mm		mm	mm	mm	mm		mm	mm
1/2"	21.3	150	88.9	35.1	11.2	1.6	4	15.7	60.5
3/4"	26.7	150	98.6	42.9	12.7	1.6	4	15.7	69.9
1.0"	33.4	150	108.0	50.8	14.2	1.6	4	15.7	79.2
1-1/4"	42.2	150	112.3	63.5	15.2	1.6	4	15.7	88.9
1-1/2"	48.3	150	127.0	73.2	17.5	1.6	4	15.7	98.6
2"	60.3	150	152.4	91.9	19.6	1.6	4	19.1	120.2
2-1/2"	73	150	177.8	104.6	22.4	1.6	4	19.1	139.7
3.0"	88.9	150	190.5	127.0	23.9	1.6	4	19.1	152.4
1/2"	21.3	300	95.2	35.0	14.2	1.6	4	15.7	60.9
3/4"	26.7	300	117.3	42.9	15.9	1.6	4	19.1	82.6
1.0"	33.4	300	124.0	50.8	17.5	1.6	4	19.1	88.9
1-1/4"	42.2	300	133.3	63.5	19	1.6	4	19.1	98.6
1-1/2"	48.3	300	155.4	73.2	20.6	1.6	4	22.3	114.0
2"	60.3	300	165.1	91.9	22.3	1.6	4	19.0	127.0
2-1/2"	73	300	190.5	104.6	25.4	1.6	4	22.3	149.4
3.0"	88.9	300	209.6	127.0	28.4	1.6	4	22.3	168.4
1/2"	21.3	400/600	95.2	35.0	20.6	6.4	4	15.7	66.5
3/4"	26.7	400/600	117.3	42.9	22.0	6.4	4	19.1	82.6
1.0"	33.4	400/600	124.0	50.8	23.9	6.4	4	19.1	88.9
1-1/4"	42.2	400/600	133.3	63.5	27.0	6.4	4	19.1	98.6
1-1/2"	48.3	400/600	155.4	73.2	28.8	6.4	4	22.4	114.3
2"	60.3	400/600	165.1	91.9	30.8	6.4	8	19.1	127.0
2-1/2"	73	400/600	190.5	104.6	34.8	6.4	8	22.4	149.4
3.0"	88.9	400/600	209.6	122.0	38.8	6.4	8	22.4	168.1

TOLERANCE CHART (FLANGE)

DIMENSION OPF FLANGE	TOLERANCE
O.D.	±0.6 mm
RFT - 1.6 mm	±0.8 mm
- 6.4 mm	±0.4 mm
PCD	±1.6 mm
4 HOLE DIA	±0.8 mm
THICKNESS	±3.2 mm

ANSI B16.5 FLANGE DETAILS

PIPE		FLANGE							
NOMINAL SIZE	O.D.	lb/sq.in	O.D.	R.F.	THICKNESS	RFT	NO. OF HOLES	HOLE DIA	PCD
INCH	mm		mm	mm	mm	mm		mm	mm
1/2"	-	900/1500	120.65	35.1	22.35	6.4	4	22.35	82.55
3/4"	-	900/1500	130.04	42.9	25.4	6.4	4	22.35	88.9
1.0"	-	900/1500	149.35	50.8	28.44	6.4	4	25.4	101.6
1-1/4"	-	900/1500	158.75	63.5	28.44	6.4	4	25.4	112.25
1-1/2"	-	900/1500	177.8	73.15	31.75	6.4	4	28.44	124
2"	-	900/1500	215.9	91.95	38.1	6.4	8	25.4	165.1
2-1/2"	-	900/1500	244.34	104.64	41.14	6.4	8	28.44	190.5
3.0"	-	900/1500	266.7	127	47.7	6.4	8	31.75	203.2
1/2"	-	2500	133.35	35	30.22	6.4	4	22.35	88.9
3/4"	-	2500	139.7	42.92	31.75	6.4	4	22.35	95.25
1.0"	-	2500	158.75	50.8	35.05	6.4	4	25.4	108
1-1/4"	-	2500	184.15	63.5	38.1	6.4	4	28.44	130.04
1-1/2"	-	2500	203.2	73.15	44.45	6.4	4	31.75	146.05
2"	-	2500	235	91.94	50.8	6.4	8	28.44	171.45
2-1/2"	-	2500	266.7	104.64	57.15	1.6	8	31.75	196.85
3.0"	-	2500	304.8	127	66.54	1.6	8	35.05	228.6