



The diagram shows the correct position but not necessarily the correct number of boltholes.

ANSI B16.5 CLASS 150

N.B. SIZE		D	K	L	A	C	N	H1	H2	H3	H4	T	B1	B2	B3	R	R1	U	O	F	No. of Holes
Inches	mm																				
½"	15	89	60.3	15.9	21.3	11.1	30	15.9	47.6	15.9		15.9	22.4		23	3	3	9.5	34.9	1.6	4
¾"	20	98	69.8	15.9	26.7	12.7	38	15.9	52.4	15.9		15.9	27.7		28	3	3	11	42.9	1.6	4
1"	25	108	79.4	15.9	33.4	14.3	49	17.5	55.6	17.5		17.5	34.5		35	3	3	12.5	50.8	1.6	4
1 ¼"	32	117	88.9	15.9	42.2	15.9	59	20.6	57.2	20.6		20.6	43.2		43.5	3	5	14.5	63.5	1.6	4
1 ½"	40	127	98.4	15.9	48.3	17.5	65	22.2	61.9	22.2		22.2	49.5		50	3	6.5	16	73	1.6	4
2"	50	152	120.6	19	60.3	19	78	25.4	63.5	25.4		25.4	62		52.5	3	8	17.5	92.1	1.6	4
2 ½"	65	178	139.7	19	73	22.2	90	28.6	69.9	28.6		28.6	74.7		75.5	3	8	19	104.8	1.6	4
3"	80	190	152.4	19	88.9	23.8	108	30.2	69.9	30.2		30.2	90.7		91.5	3	9.5	20.5	127	1.6	4
3 ½"	88	215.9	177.8	19	101.6	23.8	122	31.8	71.4	31.8		31.8	103.4		104.1	3	9.7		139.7	1.6	8
4"	100	229	190.5	19	114.3	23.8	135	33.3	76.2	33.3	Min 6.4mm	33.3	116.1		117	3	11		157.2	1.6	8
5"	125	254	215.9	22.2	141.3	23.8	164	36.5	88.9	36.5		36.5	143.8		145	6.5	11		185.7	1.6	8
6"	150	279	241.3	22.2	168.3	25.4	192	39.7	88.9	39.7		39.7	170.7		171	6.5	12.5		215.9	1.6	8
8"	200	343	298.4	22.2	219.1	28.6	246	44.5	101.6	44.5			221.5		222	6.5	12.5		269.9	1.6	8
10"	250	406	362	25.4	273	30.2	305	49.2	101.6	49.2			276.4		277	6.5	12.5		323.8	1.6	12
12"	300	483	431.8	25.4	323.9	31.8	365	55.6	114.3	55.6			327.2		328	6.5	12.5		381	1.6	12
14"	350	533	476.2	28.6	355.6	34.9	400	57.2	127	79.4			359.2		360	6.5	12.5		412.7	1.6	12
16"	400	597	539.8	28.6	406.4	36.5	457	63.5	127	87.3			410.5		411	6.5	12.5		469.9	1.6	16
18"	450	635	577.8	31.8	457.2	39.7	505	68.3	139.7	96.8			461.8		462	6.5	12.5		533.4	1.6	16
20"	500	698	635	31.8	508	42.9	559	73	144.5	103.2			513.1		514	6.5	12.5		584.2	1.6	20
24"	600	813	749.3	34.9	609.6	47.6	664	82.6	152.4	111.1		616		616	6.5	12.5		692.1	1.6	20	

Schedule to be supplied by purchaser

ANSI B16.5 CLASS 300

N.B. SIZE		D	K	L	A	C	N	H1	H2	H3	H4	T	B1	B2	B3	R	R1	U	O	F	No. of Holes
Inches	mm																				
½"	15	95	66.7	15.9	21.3	14.3	38	22.2	52.4	22.2		16	22.4		23	3	3	9.5	34.9	1.6	4
¾"	20	117	82.6	19.0	26.7	15.9	48	25.4	57.2	25.4		16	27.7		28	3	3	11	42.9	1.6	4
1"	25	124	88.9	19.0	33.4	17.5	54	27.0	61.9	27.0		17	34.5		35	3	3	12.5	50.8	1.6	4
1 ¼"	32	133	98.4	19.0	42.2	19.0	64	27.0	65.1	27.0		21	43.2		43.5	3	5	14.5	63.5	1.6	4
1 ½"	40	156	114.3	22.2	48.3	20.6	70	30.2	68.3	30.2		22	49.5		50	3	6.5	16	73.0	1.6	4
2"	50	165	127.0	19.0	60.3	22.2	84	33.3	69.9	33.3		29	62.0		62.5	3	8	17.5	92.1	1.6	8
2 ½"	65	190	149.2	22.2	73.0	25.4	100	38.1	76.2	38.1		32	74.7		75.5	3	8	19	104.8	1.6	8
3"	80	210	168.3	22.2	88.9	28.6	117	42.9	79.4	42.9		32	90.7		91.5	3	9.5	20.5	127.0	1.6	8
3 ½"	88	228.6	184.2	22.4	101.6	30.2	133.4	44.5	81.0	44.5		36.6	103.4		104.1	3	9.7	-	139.7	1.6	8
4"	100	254	200.0	22.2	114.3	31.8	146	47.6	85.7	47.6		37	116.1		117	3	9.5	-	157.2	1.6	8
5"	125	279	235.0	22.2	141.3	34.9	178	50.8	98.4	50.8		43	143.8		145	6.5	11	-	185.7	1.6	8
6"	150	318	269.9	22.2	168.3	36.5	206	52.4	98.4	52.4		46	170.7		171	6.5	12.5	-	215.9	1.6	12
8"	200	381	330.2	25.4	219.1	41.3	260	61.9	111.1	61.9		-	221.5		222	6.5	12.5	-	269.9	1.6	12
10"	250	444	387.4	28.6	273.0	47.6	321	66.8	117.5	95.3		-	276.4		277	6.5	12.5	-	323.8	1.6	16
12"	300	521	450.8	31.8	323.9	50.8	375	73.0	130.2	101.6		-	327.2		328	9.5	12.5	-	381.0	1.6	16
14"	350	584	514.4	31.8	355.6	54.0	425	76.2	142.9	111.1		-	359.2		360	9.5	12.5	-	412.7	1.6	20
16"	400	648	571.5	34.9	406.4	57.2	483	82.6	146.1	120.7		-	410.5		411	9.5	12.5	-	469.9	1.6	20
18"	450	711	628.6	34.9	457.2	60.3	533	88.9	158.8	130.2		-	461.8		462	9.5	12.5	-	533.4	1.6	24
20"	500	775	685.8	34.9	508.0	63.5	587	95.3	162.0	139.7		-	513.1		514	9.5	12.5	-	584.2	1.6	24
24"	600	914	812.8	41.3	609.6	69.8	702	106.4	168.3	152.4		-	616.0		616	9.5	12.5	-	692.1	1.6	24

Min 6.4mm

Schedule to be supplied by purchaser

ANSI B16.5 CLASS 600

N.B. SIZE		D	K	L	A	C	N	H1	H2	H3	H4	T	B1	B2	B3	R	R1	U	O	F	No. of Holes
Inches	mm																				
½"	15	95	66.7	15.9	21.3	14.3	38.	22.2	52.4	22.2		16	22.4		23	3	3	9.5	34.9	6.4	4
¾"	20	117	82.6	19	26.7	15.9	48	25.4	57.2	25.4		16	27.7		82	3	3	11	42.9	6.4	4
1"	25	124	88.9	19	33.4	17.5	54	27.0	61.9	27.0		17	34.5		38	3	3	12.5	50.8	6.4	4
1 ¼"	32	13	98.4	19	42.2	20.6	64	28.6	66.8	28.6		21	43.2		43.5	3	5	14.5	63.5	6.4	4
1 ½"	40	156	114.3	22.2	48.3	22.2	70	31.8	69.9	31.8		22	49.5		50	3	6.5	16	73.0	6.4	4
2"	50	165	127.0	19	60.3	25.4	84	36.5	73.0	36.5		29	62.0		62.5	3	8	17.5	92.1	6.4	8
2 ½"	65	190	149.2	22.2	73.0	28.6	100	41.3	79.4	41.3		32	74.7		75.5	3	8	19	104.8	6.4	8
3"	80	210	168.3	22.2	88.9	31.8	117	46.0	82.6	46.0		35	90.7		91.5	3	9.5	20.5	127.0	6.4	8
3 ½"	88	228.6	184.2	25.4	101.6	35.0	133.4	49.3	85.9	49.3		39.6	103.4		104.1	3	9.5	-	139.7	6.4	8
4"	100	273	215.9	25.4	114.3	38.1	152	54.0	101.6	54.0		41	116.1		117	3	11	-	157.2	6.4	8
5"	125	330	266.7	28.6	141.3	44.4	189	60.3	114.3	60.3		48	143.8		145	6.5	11	-	185.7	6.4	8
6"	150	356	292.1	28.6	168.3	47.6	222	66.8	117.5	66.8		51	170.7		171	6.5	12.5	-	215.9	6.4	12
8"	200	419	349.2	31.8	219.1	55.6	273	76.2	133.4	76.2		-	221.5		222	6.5	12.5	-	269.9	6.4	12
10"	250	508	431.8	34.9	273.0	63.5	343	85.7	152.4	111.1		-	276.4		277	6.5	12.5	-	323.8	6.4	16
12"	300	559	489.0	34.9	323.9	66.7	400	92.1	155.6	117.5		-	327.2		328	11	12.5	-	381.0	6.4	20
14"	350	603	527.0	38.1	355.6	69.8	432	93.7	165.1	127.0		-	359.2		360	11	12.5	-	412.7	6.4	20
16"	400	686	603.2	41.3	406.4	76.2	495	106.4	177.8	139.7		-	410.5		411	11	12.5	-	469.9	6.4	20
18"	450	743	654.0	44.4	457.2	82.6	546	117.5	187.2	151.4		-	461.8		462	11	12.5	-	533.4	6.4	20
20"	500	813	723.9	44.4	508.0	88.9	610	127.0	190.5	165.1		-	513.1		514	11	12.5	-	584.2	6.4	24
24"	600	940	838.2	50.8	609.6	101.6	718	139.7	203.2	184.2		-	616.0		616	11	12.5	-	692.1	6.4	24

Min 6.4mm

Schedule to be supplied by purchaser

ANSI B16.5 CLASS 900

N.B. SIZE		D	K	L	A	C	N	H1	H2	H3	H4	T	B1	B2	B3	R	R1	O	F	No. of Holes
Inches	mm																			
3"	80	241	190.5	25.4	88.9	38.1	127	54.0	101.6	54.0		41	90.7		91.5	3.0	9.5	127.0	6.4	8
4"	100	292	235.0	31.8	114.3	44.4	159	69.9	114.3	69.9		48	116.1		117.0	5.0	11.0	157.2	6.4	8
5"	125	349	279.4	34.9	141.3	50.8	190	79.4	127.0	79.4		54	143.8		145.0	6.5	11.0	185.7	6.4	8
6"	150	381	317.5	31.8	168.3	55.6	235	85.7	139.7	85.7		57	170.7		171.0	6.5	12.5	215.9	6.4	12
8"	200	470	393.7	38.1	219.1	63.5	298	101.6	162.0	114.3	Min 6.4mm	-	221.5		222.0	6.5	12.5	269.9	6.4	12
10"	250	546	469.9	38.1	273.0	69.8	368	108.0	184.2	127.0		-	276.4		277.0	6.5	12.5	323.8	6.4	16
12"	300	610	533.4	38.1	323.9	79.4	419	117.5	200.0	142.9		-	327.2		328.0	9.5	12.5	381.0	6.4	20
14"	350	641	558.8	41.3	355.6	85.7	451	130.2	212.8	155.6		-	359.2		360.0	11.0	12.5	412.7	6.4	20
16"	400	705	616.0	44.4	406.4	88.9	508	133.4	215.9	165.1		-	410.5		411.0	11.0	12.5	469.9	6.4	20
18"	450	787	685.8	50.8	457.2	101.6	565	152.4	228.6	190.5		-	461.8		462.0	11.0	12.5	533.4	6.4	20
20"	500	857	749.3	54.0	508.0	108.0	622	158.8	247.7	209.6		-	513.1		514.0	11.0	12.5	584.2	6.4	20
24"	600	1041	901.7	66.7	609.6	139.7	749	203.2	292.1	266.7		-	616.0		616.0	11.0	12.5	692.1	6.4	20

Schedule to be supplied by purchaser

ANSI B16.5 CLASS 1500

N.B. SIZE		D	K	L	A	C	N	H1	H2	H3	H4	T	B1	B2	B3	R	R1	U	O	F	No. of Holes
Inches	mm																				
1/2"	15	121	82.6	22.2	21.3	22.2	38	31.8	60.3	31.8		22	22.4		23	5	3	9.5	34.9	6.4	4
3/4"	20	130	88.9	22.2	26.7	25.4	44	34.9	69.9	34.9		25	27.7		28	5	3	11	42.9	6.4	4
1"	25	149	101.6	25.4	33.4	28.6	52	41.3	73.0	41.3		29	34.5		35	5	3	12.5	50.8	6.4	4
1 1/4"	32	159	111.1	25.4	42.2	28.6	64	41.3	73.0	41.3		30	43.2		43.5	5	5	14.5	63.5	6.4	4
1 1/2"	40	178	123.8	28.6	48.3	31.8	70	44.5	82.6	44.5		32	49.5		50	5	6.5	16	73.0	6.4	4
2"	50	216	165.1	25.4	60.3	38.1	105	57.2	101.6	57.2		38	62.0		52.5	5	8	17.5	92.1	6.4	8
2 1/2"	65	244	190.5	28.6	73.0	41.3	124	63.5	104.8	63.5		48	74.7		75.5	5	8	19	104.8	6.4	8
3"	80	267	203.2	31.8	88.9	47.6	133	73.0	117.5	73.0		51	90.7		91.5	5	9.5	-	127.0	6.4	8
4"	100	311	241.3	34.9	114.3	54.0	162	90.5	123.8	90.5	Min 6.4mm	57	116.1		117	5	11	-	157.2	6.4	8
5"	125	375	292.1	41.3	141.3	73.0	197	104.8	155.6	104.8		64	143.8		145	6.5	11	-	185.7	6.4	12
6"	150	394	317.5	38.1	168.3	82.6	229	119.1	171.5	119.1		70	170.7		171	6.5	12.5	-	215.9	6.4	12
8"	200	483	393.7	44.4	219.1	92.1	292	142.9	212.7	142.9		-	221.5		222	6.5	12.5	-	269.9	6.4	12
10"	250	584	482.6	50.8	273.0	108.0	368	158.8	254.0	177.8		-	276.4		277	9.5	12.5	-	323.8	6.4	16
12"	300	673	571.5	54.0	323.9	123.8	451	181.0	282.6	219.1		-	327.2		328	11	12.5	-	381.0	6.4	16
14"	350	749	635.0	60.3	355.6	133.4	495	-	298.5	241.3		-	359.2		360	11	12.5	-	412.7	6.4	16
16"	400	826	704.8	66.7	406.4	146.1	552	-	311.2	260.4		-	410.5		411	11	12.5	-	469.9	6.4	16
18"	450	914	774.7	73.0	457.2	161.9	597	-	327.0	276.2		-	461.8		462	11	12.5	-	533.4	6.4	16
20"	500	984	831.8	79.4	508.0	178.0	641	-	355.6	292.1		-	513.1		514	11	12.5	-	584.2	6.4	16
24"	600	1168	990.6	92.4	609.6	203.0	762	-	406.4	330.2	-	616.0		616	11	12.5	-	692.1	6.4	16	

Schedule to be supplied by purchaser