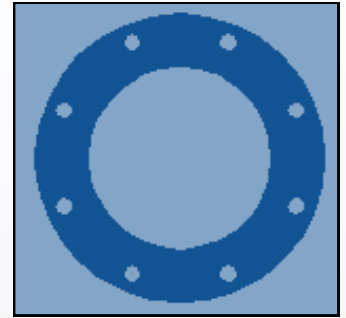
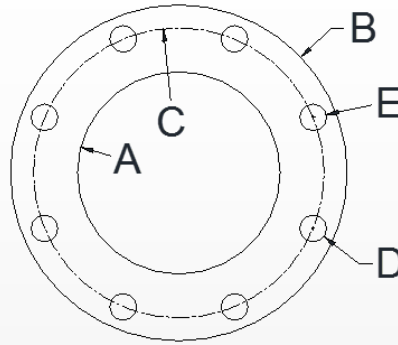


COMPANION FLANGES 1/2" PLATE

1. PLATE SLIP-ON FLANGES MANUFACTURED TO ANSI B16.5 AND AWWA C207 BOLTING SPECIFICATIONS.
2. CUSTOM FLANGES AVAILABLE.
3. CUSTOM MATERIALS AVAILABLE
4. CUSTOM GASKET FACES AVAILABLE



150# ANSI FLANGES 1/2" THICK PIPE SIZE

SIZE	"A" I.D.	"B" O.D.	"C" B/C	"D" #BH	"E" DIA	A-36 C/S PART NUMBER	T-304 S/S PART NUMBER	T-316 S/S PART NUMBER
3"	3.57"	7.50"	6.00"	4	.63"	16-30-36	16-30-304	16-30-316
3.5"	4.07"	8.50"	7.00"	8	.75"	16-35-36	16-35-304	16-35-316
4"	4.57"	9.00"	7.50"	8	.75"	16-40-36	16-40-304	16-40-316
5"	5.66"	10.00"	8.50"	8	.88"	16-50-36	16-50-304	16-50-316
6"	6.72"	11.00"	9.50"	8	.88"	16-60-36	16-60-304	16-60-316
8"	8.72"	13.50"	11.75"	8	.88"	16-80-36	16-80-304	16-80-316
10"	10.88"	16.00"	14.25"	12	1.00"	16-100-36	16-100-304	16-100-316
12"	12.88"	19.00"	17.00"	12	1.00"	16-120-36	16-120-304	16-120-316
14"	14.19"	21.00"	18.75"	12	1.13"	16-140-36	16-140-304	16-140-316
16"	16.19"	23.50"	21.25"	16	1.13"	16-160-36	16-160-304	16-160-316
18"	18.19"	25.00"	22.75"	16	1.25"	16-180-36	16-180-304	16-180-316
20"	20.19"	27.50"	25.00"	20	1.25"	16-200-36	16-200-304	16-200-316
22"	22.19"	29.50"	27.25"	20	1.38"	16-220-36	16-220-304	16-220-316
24"	24.19"	32.00"	29.50"	20	1.38"	16-240-36	16-240-304	16-240-316
26"	26.25"	34.25"	31.75"	24	1.38"	16-260-36	16-260-304	16-260-316
28"	28.25"	36.50"	34.00"	28	1.38"	16-280-36	16-280-304	16-280-316
30"	30.25"	38.75"	36.00"	28	1.38"	16-300-36	16-300-304	16-300-316
32"	32.25"	41.75"	38.50"	28	1.63"	16-320-36	16-320-304	16-320-316
34"	34.25"	43.75"	40.50"	32	1.63"	16-340-36	16-340-304	16-340-316
36"	36.25"	46.00"	42.75"	32	1.63"	16-360-36	16-360-304	16-360-316
38"	38.25"	48.75"	45.25"	32	1.63"	16-380-36	16-380-304	16-380-316
40"	40.25"	50.75"	47.25"	36	1.63"	16-400-36	16-400-304	16-400-316
42"	42.25"	53.00"	49.50"	36	1.63"	16-420-36	16-420-304	16-420-316
44"	44.25"	55.25"	51.75"	40	1.63"	16-440-36	16-440-304	16-440-316
46"	46.25"	57.25"	53.75"	40	1.63"	16-460-36	16-460-304	16-460-316
48"	48.25"	5.50"	56.00"	44	1.63"	16-480-36	16-480-304	16-480-316

150# ANSI FLANGES 1/2" THICK TUBE SIZE

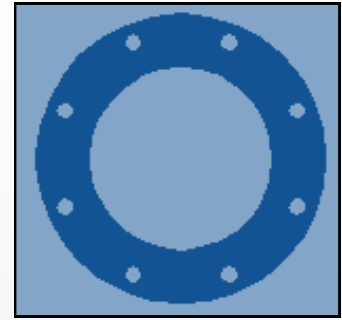
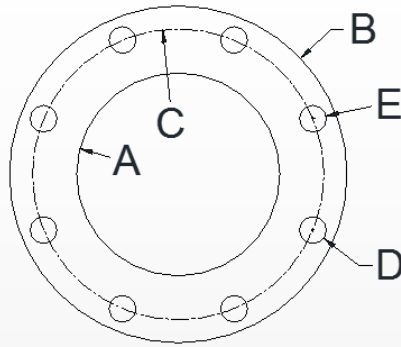
SIZE	"A" I.D.	"B" O.D.	"C" B/C	"D" #BH	"E" DIA	A-36 C/S PART NUMBER	T-304 S/S PART NUMBER	T-316 S/S PART NUMBER
3"	3.06"	7.50"	6.00"	4	.63"	16-30-16-36	16-30-16-304	16-30-16-316
3.5"	3.56"	8.50"	7.00"	8	.75"	16-35-16-36	16-35-16-304	16-35-16-316
4"	4.06"	9.00"	7.50"	8	.75"	16-40-16-36	16-40-16-304	16-40-16-316
5"	5.06"	10.00"	8.50"	8	.88"	16-50-16-36	16-50-16-304	16-50-16-316
6"	6.06"	11.00"	9.50"	8	.88"	16-60-16-36	16-60-16-304	16-60-16-316
8"	8.06"	13.50"	11.75"	8	.88"	16-80-16-36	16-80-16-304	16-80-16-316
10"	10.06"	16.00"	14.25"	12	1.00"	16-100-16-36	16-100-16-304	16-100-16-316
12"	12.06"	19.00"	17.00"	12	1.00"	16-120-16-36	16-120-16-304	16-120-16-316



IN HOUSE CUSTOM FLANGE MANUFACTURING

COMPANION FLANGES CLASS D

1. PLATE SLIP-ON FLANGES MANUFACTURED TO ANSI B16.5 AND AWWA C207 BOLTING SPECIFICATIONS.
2. CUSTOM FLANGES AVAILABLE.
3. CUSTOM MATERIALS AVAILABLE
4. CUSTOM GASKET FACES AVAILABLE



150# ANSI FLANGES PIPE SIZE AWWA C207

SIZE	"A" I.D.	"B" O.D.	"C" B/C	"D" #BH	"E" DIA	"F" THK	A-36 C/S PART NUMBER	T-304 S/S PART NUMBER	T-316 S/S PART NUMBER
4"	4.57"	9.00"	7.50"	8	.75"	.63"	15-40-36	15-40-304	15-40-316
5"	5.66"	10.00"	8.50"	8	.88"	.63"	15-50-36	15-50-304	15-50-316
6"	6.72"	11.00"	9.50"	8	.88"	.69"	15-60-36	15-60-304	15-60-316
8"	8.72"	13.50"	11.75"	8	.88"	.69"	15-80-36	15-80-304	15-80-316
10"	10.88"	16.00"	14.25"	12	1.00"	.69"	15-100-36	15-100-304	15-100-316
12"	12.88"	19.00"	17.00"	12	1.00"	.81"	15-120-36	15-120-304	15-120-316
14"	14.19"	21.00"	18.75"	12	1.13"	.94"	15-140-36	15-140-304	15-140-316
16"	16.19"	23.50"	21.25"	16	1.13"	1.00"	15-160-36	15-160-304	15-160-316
18"	18.19"	25.00"	22.75"	16	1.25"	1.06"	15-180-36	15-180-304	15-180-316
20"	20.19"	27.50"	25.00"	20	1.25"	1.13"	15-200-36	15-200-304	15-200-316
22"	22.19"	29.50"	27.25"	20	1.38"	1.19"	15-220-36	15-220-304	15-220-316
24"	24.19"	32.00"	29.50"	20	1.38"	1.25"	15-240-36	15-240-304	15-240-316
26"	26.25"	34.25"	31.75"	24	1.38"	1.31"	15-260-36	15-260-304	15-260-316
28"	28.25"	36.50"	34.00"	28	1.38"	1.31"	15-280-36	15-280-304	15-280-316
30"	30.25"	38.75"	36.00"	28	1.38"	1.38"	15-300-36	15-300-304	15-300-316
32"	32.25"	41.75"	38.50"	28	1.63"	1.50"	15-320-36	15-320-304	15-320-316
34"	34.25"	43.75"	40.50"	32	1.63"	1.50"	15-340-36	15-340-304	15-340-316
36"	36.25"	46.00"	42.75"	32	1.63"	1.63"	15-360-36	15-360-304	15-360-316
38"	38.25"	48.75"	45.25"	32	1.63"	1.63"	15-380-36	15-380-304	15-380-316
40"	40.25"	50.75"	47.25"	36	1.63"	1.63"	15-400-36	15-400-304	15-400-316
42"	42.25"	53.00"	49.50"	36	1.63"	1.75"	15-420-36	15-420-304	15-420-316
44"	44.25"	55.25"	51.75"	40	1.63"	1.75"	15-440-36	15-440-304	15-440-316
46"	46.25"	57.25"	53.75"	40	1.63"	1.75"	15-460-36	15-460-304	15-460-316
48"	48.25"	59.00"	56.00"	44	1.63"	1.88"	15-480-36	15-480-304	15-480-316

150# ANSI FLANGES TUBE SIZE AWWA C207

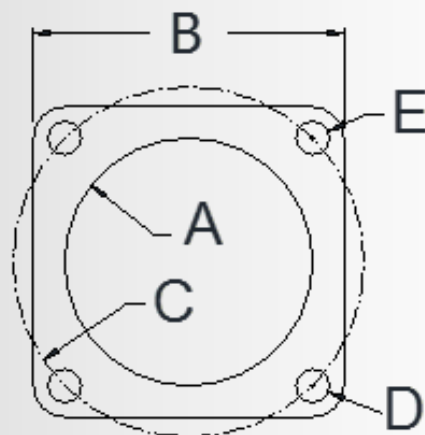
SIZE	"A" I.D.	"B" O.D.	"C" B/C	"D" #BH	"E" DIA	"F" THK	A-36 C/S PART NUMBER	T-304 S/S PART NUMBER	T-316 S/S PART NUMBER
4"	4.06"	9.00"	7.50"	8	.75"	.63"	15-4016-36	15-4016-304	15-4016-316
5"	5.06"	10.00"	8.50"	8	.88"	.63"	15-5016-36	15-5016-304	15-5016-316
6"	6.06"	11.00"	9.50"	8	.88"	.69"	15-6016-36	15-6016-304	15-6016-316
8"	8.06"	13.50"	11.75"	8	.88"	.69"	15-8016-36	15-8016-304	15-8016-316
10"	10.06"	16.00"	14.25"	12	1.00"	.69"	15-10016-36	15-10016-304	15-10016-316
12"	12.06"	19.00"	17.00"	12	1.00"	.81"	15-12016-36	15-12016-304	15-12016-316



EXHAUST MANIFOLD FLANGES

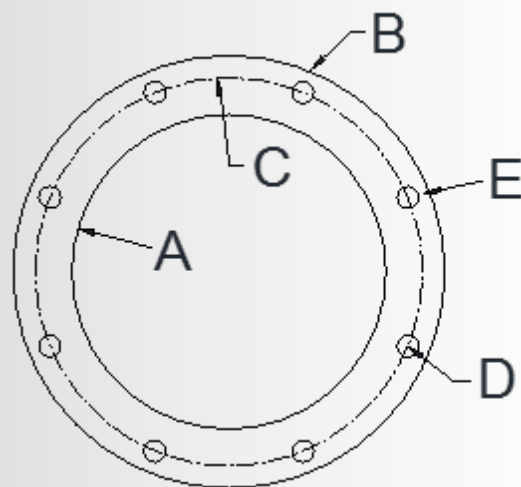
C-MANIFOLD FLANGES SQUARE 1/2" THICK

SIZE	"A" I.D.	"B" O.D.	"C" B/C	"D" #BH	"E" DIA	A-36 C/S PART NUMBER	T-304 S/S PART NUMBER	T-316 S/S PART NUMBER
3"	3.57"	5.50"	4.13"	4	.56"	17-1-3030-36	17-1-3030-304	17-1-3030-316
4"	4.06"	5.50"	4.13"	4	.56"	17-1-4040-36	17-1-4040-304	17-1-4040-316
5"	5.06"	6.50"	5.00"	4	.66"	17-1-5050-36	17-1-5050-304	17-1-5050-316
6"	6.06"	7.75"	6.00"	4	.81"	17-1-6060-36	17-1-6060-304	17-1-6060-316



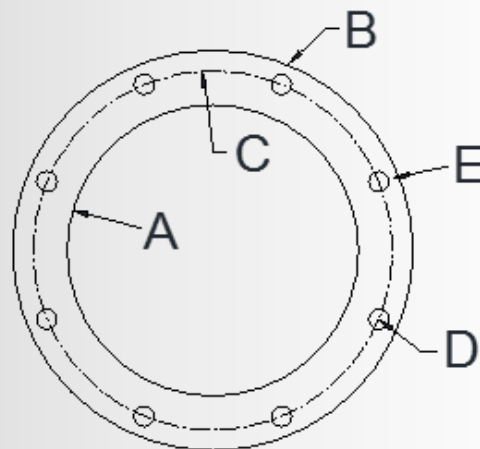
C-MANIFOLD FLANGES ROUND 1/2" THICK

SIZE	"A" I.D.	"B" O.D.	"C" B/C	"D" #BH	"E" DIA	A-36 C/S PART NUMBER	T-304 S/S PART NUMBER	T-316 S/S PART NUMBER
8"	8.13"	11.00"	9.88"	8	.56"	17-1-80-36	17-1-80-304	17-1-80-316
10"	10.13"	13.50"	12.44"	12	.50"	17-1-100-36	17-1-100-304	17-1-100-316
12"	12.06"	16.00"	14.80"	12	.56"	17-1-120-36	17-1-120-304	17-1-120-316
14"	14.06"	18.00"	17.00"	12	.56"	17-1-140-36	17-1-140-304	17-1-140-316
16"	16.13"	23.50"	21.25"	16	.80"	17-1-160-36	17-1-160-304	17-1-160-316
18"	18.13"	22.50"	20.88"	16	.63"	17-1-180-36	17-1-180-304	17-1-180-316



CUMMINS FLANGES 1/2" THICK

SIZE	"A" I.D.	"B" O.D.	"C" B/C	"D" #BH	"E" DIA	A-36 C/S PART NUMBER	T-304 S/S PART NUMBER	T-316 S/S PART NUMBER
5"	5.13"	8.00"	7.19"	8	.56"	17-3-50-36	17-3-50-304	17-3-50-316
6"	6.13"	8.00"	7.19"	8	.56"	17-3-60-36	17-3-60-304	17-3-60-316



DETROIT / MTU FLANGES 1/2" THICK

SIZE	"A" I.D.	"B" O.D.	"C" B/C	"D" #BH	"E" DIA	A-36 C/S PART NUMBER	T-304 S/S PART NUMBER	T-316 S/S PART NUMBER
8"	8.13"	11.00"	9.88"	8	.56"	17-2-80-36	17-2-80-304	17-2-80-316
10"	10.06"	13.00"	11.88"	8	.63"	17-2-100-36	17-2-100-304	17-2-100-316