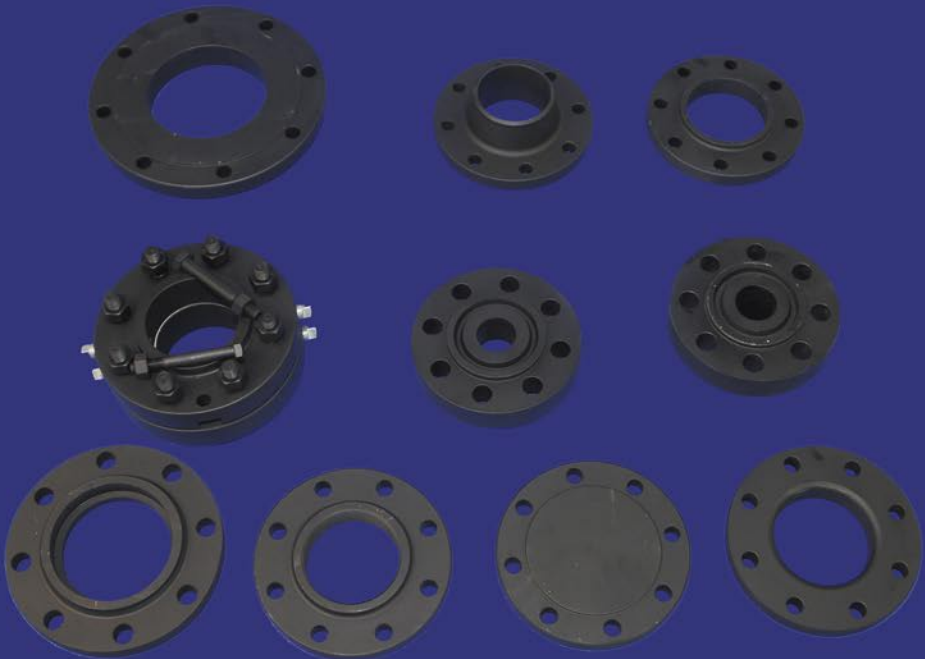


LEE SUPPLY



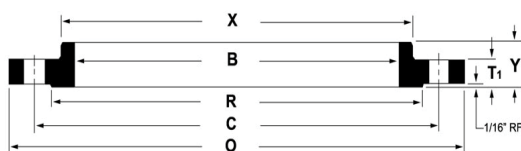
CARBON STEEL FLANGES



Technical Specifications

FLANGES

INDUSTRY STANDARD CLASS 75 SLIP-ON FLANGES



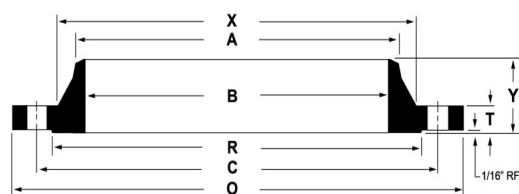
All dimensions are in inches.

These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Base of Hub Diameter (X)	Bore (B)	Number of Holes	Diameter of Holes	Bolt Circle (C)	Approximate Weight (lbs)
inch	inch	inch	inch	inch	inch	inch	count	inch	inch	lbs
26"	33.00"	1.25"	30.00"	2.25"	28.50"	26.25"	32	1.00"	31.00"	120
28"	35.00"	1.25"	32.00"	2.25"	30.50"	28.25"	36	1.00"	33.00"	140
30"	37.00"	1.25"	34.00"	2.25"	32.50"	30.25"	36	1.00"	35.00"	150
32"	39.50"	1.25"	36.25"	2.50"	34.63"	32.25"	40	1.13"	37.38"	170
34"	41.50"	1.25"	38.25"	2.50"	36.63"	34.25"	40	1.13"	39.38"	180
36"	43.50"	1.25"	40.25"	2.50"	38.63"	36.25"	44	1.13"	41.38"	190
42"	50.00"	1.25"	46.50"	2.75"	44.75"	42.25"	48	1.25"	47.75"	235
48"	56.00"	1.25"	52.50"	2.88"	50.75"	48.25"	56	1.25"	53.75"	270
54"	62.50"	1.38"	59.00"	3.13"	57.25"	54.25"	68	1.25"	60.25"	335
60"	68.50"	1.63"	65.00"	3.63"	63.25"	60.25"	72	1.25"	66.25"	450
66"	75.50"	1.75"	71.63"	4.00"	69.50"	66.25"	72	1.38"	73.00"	590
72"	81.50"	2.00"	77.63"	4.50"	75.50"	72.25"	80	1.38"	79.00"	730

FLANGES

INDUSTRY STANDARD CLASS 75 WELDING NECK FLANGES



All dimensions are in inches.

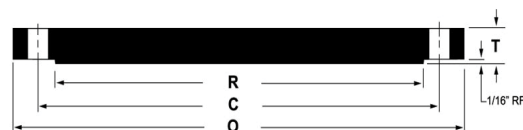
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Base of Hub Diameter (X)	Diameter of Hub at Bevel	Diameter of Hub at Bevel (A)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	31.50"	1.25"	28.63"	3.00"	27.13"	26"	26"	Specified by purchaser	98	29.63"	32	1.00"
28"	33.50"	1.25"	30.63"	3.00"	29.13"	28"	28"	Specified by purchaser	105	31.63"	36	1.00"
30"	35.50"	1.25"	32.63"	3.00"	31.13"	30"	30"	Specified by purchaser	110	33.63"	36	1.00"
32"	38.25"	1.25"	35.00"	3.25"	33.38"	32"	32"	Specified by purchaser	140	36.13"	36	1.13"
34"	40.25"	1.25"	37.00"	3.25"	35.38"	34"	34"	Specified by purchaser	150	38.13"	40	1.13"
36"	42.25"	1.25"	39.00"	3.25"	37.38"	36"	36"	Specified by purchaser	160	40.13"	40	1.13"
42"	49.00"	1.25"	45.50"	3.50"	43.75"	42"	42"	Specified by purchaser	210	46.75"	48	1.25"
48"	55.00"	1.25"	51.50"	3.75"	49.75"	48"	48"	Specified by purchaser	240	52.75"	52	1.25"
54"	61.25"	1.38"	57.75"	4.00"	56.00"	54"	54"	Specified by purchaser	310	59.00"	64	1.25"
60"	67.25"	1.63"	63.75"	4.38"	62.00"	60"	60"	Specified by purchaser	400	65.00"	72	1.25"
66"	74.00"	1.88"	70.13"	4.88"	68.00"	66"	66"	Specified by purchaser	560	71.50"	72	1.38"
72"	80.00"	2.25"	76.13"	5.25"	74.00"	72"	72"	Specified by purchaser	700	77.50"	80	1.38"

FLANGES

INDUSTRY STANDARD
CLASS 75 MATCHING
BLIND FLANGES (TO
MATCH WELDING NECK)



All dimensions are in inches.

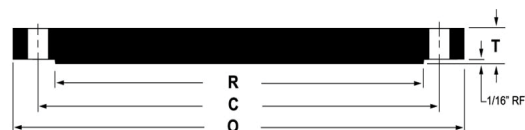
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
26"	31.50"	1.25"	28.63"	265	29.63"	32	1.00"
28"	33.50"	1.25"	30.63"	300	31.63"	36	1.00"
30"	35.50"	1.38"	32.63"	370	33.63"	36	1.00"
32"	38.25"	1.50"	35.00"	470	36.13"	36	1.13"
34"	40.25"	1.50"	37.00"	520	38.13"	40	1.13"
36"	42.25"	1.63"	39.00"	620	40.13"	40	1.13"
42"	49.00"	1.88"	45.50"	970	46.75"	48	1.25"
48"	55.00"	2.13"	51.50"	1375	52.75"	52	1.25"
54"	61.25"	2.38"	57.75"	1925	59.00"	64	1.25"
60"	67.25"	2.63"	63.75"	2575	65.00"	72	1.25"
66"	74.00"	2.88"	70.13"	3400	71.50"	72	1.38"
72"	80.00"	3.13"	76.13"	4350	77.50"	80	1.38"

FLANGES

INDUSTRY STANDARD
CLASS 75 MATCHING
BLIND FLANGES (TO
MATCH SLIP-ON)



All dimensions are in inches.

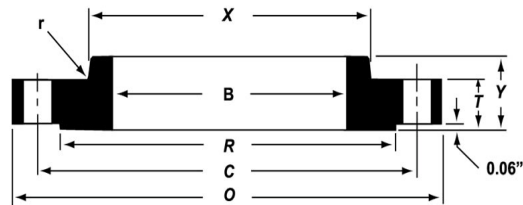
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
26"	33.00"	1.25"	30.00"	290	31.00"	32	1.00"
28"	35.00"	1.38"	32.00"	360	33.00"	36	1.00"
30"	37.00"	1.38"	34.00"	405	35.00"	36	1.00"
32"	39.50"	1.50"	36.25"	500	37.38"	40	1.13"
34"	41.50"	1.63"	38.25"	600	39.38"	40	1.13"
36"	43.50"	1.63"	40.25"	660	41.38"	44	1.13"
42"	50.00"	1.88"	46.50"	1000	47.75"	48	1.25"
48"	56.00"	2.13"	52.50"	1450	53.75"	56	1.25"
54"	62.50"	2.38"	59.00"	2000	60.25"	68	1.25"
60"	68.50"	2.63"	65.00"	2675	66.25"	72	1.25"
66"	75.50"	2.88"	71.63"	3550	73.00"	72	1.38"
72"	81.50"	3.13"	77.63"	4500	79.00"	80	1.38"

FLANGES

INDUSTRY STANDARD
CLASS 150 SLIP-ON WITH
SERIES A BOLTING
PATTERN



All dimensions are in inches.

These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

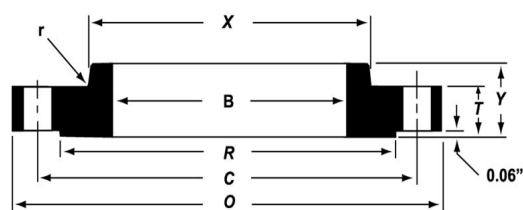
Dimensions are supportive from industry terminology and are a non-committee specification.

These flanges are not covered by ASME B16.47 or API-605 specifications.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Minimum Fillet Radius (r)	Flange Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	34.25"	2.69"	29.50"	3.69"	28.25"	0.38"	26.25"	289	31.75"	24	1.38"
28"	36.50"	3.06"	31.50"	3.81"	30.50"	0.44"	28.25"	352	34.00"	28	1.38"
30"	38.75"	3.31"	33.75"	3.94"	32.50"	0.44"	30.25"	416	36.00"	28	1.38"
32"	41.75"	3.41"	36.00"	4.18"	34.50"	0.44"	32.25"	506	38.50"	28	1.62"
34"	43.75"	3.68"	38.00"	4.25"	36.50"	0.50"	34.25"	561	40.50"	32	1.62"
36"	46.00"	3.96"	40.25"	4.56"	38.75"	0.50"	36.25"	661	42.75"	32	1.62"
38"	48.75"	4.06"	42.25"	4.56"	41.25"	0.50"	38.25"	780	45.25"	32	1.62"
40"	50.75"	4.18"	44.25"	4.81"	43.25"	0.50"	40.25"	840	47.25"	36	1.62"
42"	53.00"	4.43"	47.00"	5.06"	45.50"	0.50"	42.25"	961	49.50"	36	1.62"
44"	55.25"	4.68"	49.00"	5.18"	47.75"	0.50"	44.25"	1071	51.75"	40	1.62"
46"	57.25"	4.86"	51.00"	5.31"	49.75"	0.50"	46.25"	1156	53.75"	40	1.62"
48"	59.50"	5.06"	53.50"	5.56"	52.00"	0.50"	48.25"	1282	56.00"	44	1.62"

FLANGES

INDUSTRY STANDARD
CLASS 150 SLIP-ON WITH
SERIES B BOLTING
PATTERN



All dimensions are in inches.

These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

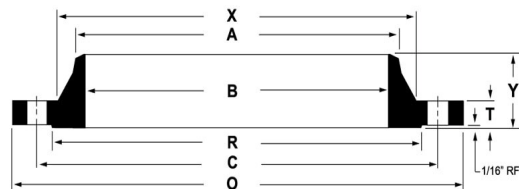
Dimensions are supportive from industry terminology and are a non-committee specification.

These flanges are not covered by ASME B16.47 or API-605 specifications.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Minimum Fillet Radius (r)	Flange Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	30.94"	1.62"	28.00"	2.62"	26.94"	0.38"	26.25"	85	29.31"	36	0.88"
28"	32.94"	1.75"	30.00"	2.75"	28.94"	0.38"	28.25"	97	31.31"	40	0.88"
30"	34.94"	1.75"	32.00"	2.75"	31.00"	0.38"	30.25"	103	33.31"	44	0.88"
32"	37.06"	1.81"	34.00"	2.81"	33.06"	0.38"	32.25"	125	35.44"	48	0.88"
34"	39.56"	1.94"	36.25"	2.94"	35.12"	0.38"	34.25"	165	37.69"	40	1.00"
36"	41.62"	2.06"	38.25"	3.06"	37.19"	0.38"	36.25"	186	39.75"	44	1.00"
38"	44.25"	2.12"	40.25"	3.12"	39.25"	0.38"	38.25"	227	42.12"	40	1.12"
40"	46.25"	2.19"	42.50"	3.19"	41.31"	0.38"	40.25"	245	44.12"	44	1.12"
42"	48.25"	2.31"	44.50"	3.31"	43.38"	0.44"	42.25"	269	46.12"	48	1.12"
44"	50.25"	2.38"	46.50"	3.38"	45.38"	0.44"	44.25"	288	48.12"	52	1.12"
46"	52.81"	2.44"	48.62"	3.44"	47.44"	0.44"	46.25"	343	50.56"	40	1.25"
48"	54.81"	2.56"	50.75"	3.56"	49.50"	0.44"	48.25"	373	52.56"	44	1.25"
50"	56.81"	2.69"	52.75"	3.69"	51.50"	0.44"	50.25"	403	54.56"	48	1.25"
52"	58.81"	2.75"	54.75"	3.75"	53.56"	0.44"	52.25"	426	56.56"	52	1.25"
54"	61.00"	2.81"	56.75"	3.81"	55.62"	0.44"	54.25"	469	58.75"	56	1.25"
56"	63.00"	2.88"	58.75"	3.88"	57.69"	0.56"	56.25"	492	60.75"	60	1.25"
58"	65.94"	2.94"	60.75"	3.94"	59.69"	0.56"	58.25"	602	63.44"	48	1.38"
60"	67.94"	3.00"	63.00"	4.00"	61.81"	0.56"	60.25"	634	65.44"	52	1.38"

FLANGES

INDUSTRY STANDARD CLASS 175 WELDING NECK FLANGES



All dimensions are in inches.

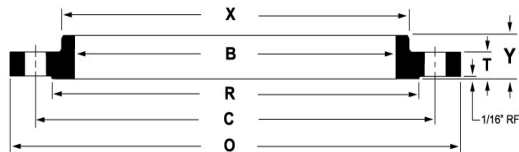
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Base of Hub Diameter (X)	Diameter of Hub at Bevel (A)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	31.50"	1.38"	29.00"	3.38"	27.63"	Specified by Purchaser		120	29.88"	28	0.88"
28"	33.50"	1.38"	31.00"	3.38"	29.63"	Specified by Purchaser		130	31.88"	28	0.88"
30"	35.75"	1.38"	33.25"	3.63"	31.88"	Specified by Purchaser		150	34.13"	36	0.88"
32"	37.75"	1.38"	35.25"	3.63"	33.88"	Specified by Purchaser		160	36.13"	36	0.88"
34"	40.25"	1.50"	37.38"	3.75"	35.88"	Specified by Purchaser		195	38.38"	36	1.00"
36"	42.25"	1.50"	39.38"	3.75"	37.88"	Specified by Purchaser		205	40.38"	36	1.00"
38"	44.25"	1.75"	41.38"	4.13"	39.88"	Specified by Purchaser		245	42.38"	36	1.00"
40"	46.25"	1.75"	43.38"	4.13"	41.88"	Specified by Purchaser		255	44.38"	40	1.00"
42"	49.00"	2.00"	45.75"	4.50"	44.13"	Specified by Purchaser		340	46.88"	40	1.13"
44"	51.00"	2.00"	47.75"	4.50"	46.13"	Specified by Purchaser		360	48.88"	40	1.13"
46"	53.00"	2.00"	49.75"	4.50"	48.13"	Specified by Purchaser		375	50.88"	40	1.13"
48"	55.00"	2.25"	51.75"	4.88"	50.13"	Specified by Purchaser		430	52.88"	44	1.13"
50"	57.00"	2.25"	53.75"	4.88"	52.13"	Specified by Purchaser		450	54.88"	44	1.13"
52"	59.50"	2.63"	56.00"	5.38"	54.25"	Specified by Purchaser		560	57.25"	44	1.25"
54"	61.50"	2.63"	58.00"	5.38"	56.25"	Specified by Purchaser		580	59.25"	44	1.25"
60"	67.50"	2.75"	64.00"	5.75"	62.25"	Specified by Purchaser		680	65.25"	48	1.25"
66"	73.50"	3.13"	70.00"	6.13"	68.50"	Specified by Purchaser		830	71.25"	56	1.25"
72"	80.00"	3.63"	76.50"	6.63"	74.50"	Specified by Purchaser		1075	77.75"	64	1.25"
84"	94.00"	3.00"	90.125"	7.00"	88.00"	Specified by Purchaser		1550	91.50"	72	1.375"
96"	106.00"	3.50"	102.125"	7.50"	100.00"	Specified by Purchaser		1950	103.50"	88	1.375"

FLANGES

INDUSTRY STANDARD CLASS 175 SLIP-ON FLANGES



All dimensions are in inches.

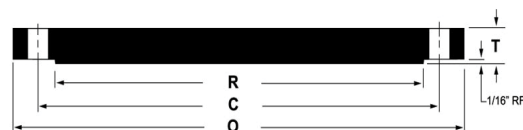
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Base of Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	31.50"	1.38"	29.00"	2.75"	27.63"	26.25"	105	29.88"	28	0.88"
28"	33.50"	1.38"	31.00"	2.75"	29.63"	28.25"	115	31.88"	28	0.88"
30"	35.75"	1.38"	33.25"	2.75"	31.88"	30.25"	130	34.13"	36	0.88"
32"	37.75"	1.38"	35.25"	2.75"	33.88"	32.25"	140	36.13"	36	0.88"
34"	40.25"	1.75"	37.38"	3.38"	35.88"	34.25"	200	38.38"	36	1.00"
36"	42.25"	1.75"	39.38"	3.38"	37.88"	36.25"	210	40.38"	36	1.00"
38"	44.25"	2.00"	41.38"	3.75"	39.88"	38.25"	250	42.38"	36	1.00"
40"	46.25"	2.00"	43.38"	4.00"	41.88"	40.25"	270	44.38"	40	1.00"
42"	49.00"	2.38"	45.75"	4.38"	44.13"	42.25"	365	46.88"	40	1.13"
44"	51.00"	2.38"	47.75"	4.38"	46.13"	44.25"	380	48.88"	40	1.13"
46"	53.00"	2.38"	49.75"	4.63"	48.13"	46.25"	410	50.88"	40	1.13"
48"	55.00"	2.63"	51.75"	4.88"	50.13"	48.25"	460	52.88"	44	1.13"
50"	57.00"	2.63"	53.75"	4.88"	52.13"	50.25"	480	54.88"	44	1.13"
52"	59.50"	3.00"	56.00"	5.38"	54.25"	52.25"	600	57.25"	44	1.25"
54"	61.50"	3.00"	58.00"	5.38"	56.25"	54.25"	620	59.25"	44	1.25"
60"	67.50"	3.13"	64.00"	5.88"	62.25"	60.25"	730	65.25"	48	1.25"
66"	73.50"	4.00"	70.00"	6.88"	68.50"	66.25"	1000	71.25"	56	1.25"
72"	80.00"	5.00"	76.50"	8.00"	74.50"	72.25"	1400	77.75"	64	1.25"
84"	94.00"	5.00"	90.125"	8.50"	88.00"	84.25"	2250	91.50"	72	1.375"
96"	106.00"	5.00"	102.125"	9.00"	100.00"	96.25"	2600	103.50"	88	1.375"

FLANGES

INDUSTRY STANDARD CLASS 175 BLIND FLANGES



All dimensions are in inches.

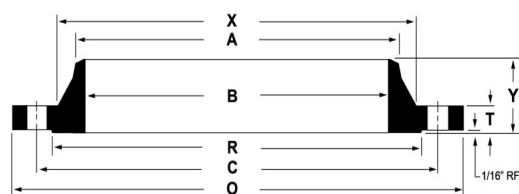
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
26"	31.50"	1.78"	29.00"	405	29.88"	28	0.88"
28"	33.50"	2.00"	31.00"	490	31.88"	28	0.88"
30"	35.75"	2.13"	33.25"	590	34.13"	36	0.88"
32"	37.75"	2.25"	35.25"	700	36.13"	36	0.88"
34"	40.25"	2.38"	37.38"	840	38.38"	36	1.00"
36"	42.25"	2.50"	39.38"	970	40.38"	36	1.00"
38"	44.25"	2.63"	41.38"	1125	42.38"	36	1.00"
40"	46.25"	2.75"	43.38"	1300	44.38"	40	1.00"
42"	49.00"	2.88"	45.75"	1500	46.88"	40	1.13"
44"	51.00"	3.00"	47.75"	1700	48.88"	40	1.13"
46"	53.00"	3.13"	49.75"	1925	50.88"	40	1.13"
48"	55.00"	3.38"	51.75"	2225	52.88"	44	1.13"
50"	57.00"	3.38"	53.75"	2400	54.88"	44	1.13"
52"	59.50"	3.63"	56.00"	2800	57.25"	44	1.25"
54"	61.50"	3.63"	58.00"	3000	59.25"	44	1.25"
60"	67.50"	4.00"	64.00"	4000	65.25"	48	1.25"
66"	73.50"	4.38"	70.00"	5175	71.25"	56	1.25"
72"	80.00"	4.75"	76.50"	6650	77.75"	64	1.25"
84"	94.00"	5.50"	90.125"	10815	91.50"	72	1.375"
96"	106.00"	6.125"	102.125"	15325	103.50"	88	1.375"

FLANGES

INDUSTRY STANDARD CLASS 250 WELDING NECK FLANGES



All dimensions are in inches.

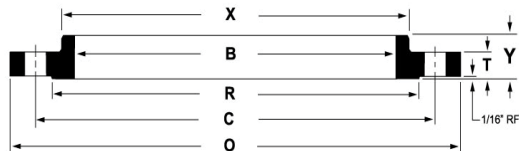
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Base of Hub Diameter (X)	Diameter of Hub at Bevel (A)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	38.25"	2.81"	32.44"	5.81"	30.50"	26"	Specified by Purchaser	530	34.50"	28	1.88"
28"	40.75"	2.94"	34.94"	5.94"	33.00"	28"	Specified by Purchaser	630	37.00"	28	1.88"
30"	43.00"	3.00"	37.19"	6.00"	35.25"	30"	Specified by Purchaser	700	39.25"	28	1.88"
32"	45.25"	3.12"	39.44"	6.13"	37.50"	32"	Specified by Purchaser	790	41.50"	28	1.88"
34"	47.50"	3.25"	41.44"	6.25"	39.50"	34"	Specified by Purchaser	880	43.50"	28	1.88"
36"	50.00"	3.38"	43.69"	6.38"	41.50"	36"	Specified by Purchaser	970	46.00"	32	2.13"
38"	52.25"	3.44"	45.69"	6.44"	43.50"	38"	Specified by Purchaser	1050	48.00"	32	2.13"
40"	54.50"	3.56"	47.94"	6.56"	45.75"	40"	Specified by Purchaser	1150	50.25"	36	2.13"
42"	57.00"	3.69"	50.44"	6.94"	47.75"	42"	Specified by Purchaser	1325	52.75"	36	2.13"
44"	59.25"	3.75"	52.69"	7.00"	49.75"	44"	Specified by Purchaser	1425	55.00"	36	2.13"
46"	61.50"	3.88"	54.94"	7.13"	51.75"	46"	Specified by Purchaser	1525	57.25"	40	2.13"
48"	65.00"	4.00"	58.44"	7.25"	54.00"	48"	Specified by Purchaser	1825	60.75"	40	2.13"

FLANGES

INDUSTRY STANDARD CLASS 250 SLIP-ON FLANGES



All dimensions are in inches.

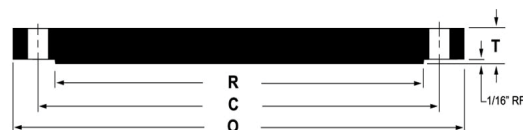
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Base of Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	38.25"	2.81"	32.44"	4.75"	30.50"	26.25"	530	34.50"	28	1.88"
28"	40.75"	2.94"	34.94"	5.00"	33.00"	28.25"	640	37.00"	28	1.88"
30"	43.00"	3.00"	37.19"	5.00"	35.25"	30.25"	710	39.25"	28	1.88"
32"	45.25"	3.12"	39.44"	5.13"	37.50"	32.25"	800	41.50"	28	1.88"
34"	47.50"	3.25"	41.44"	5.25"	39.50"	34.25"	890	43.50"	28	1.88"
36"	50.00"	3.38"	43.69"	5.38"	41.50"	36.25"	970	46.00"	32	2.13"
38"	52.25"	3.44"	45.69"	5.50"	43.50"	38.25"	1050	48.00"	32	2.13"
40"	54.50"	3.56"	47.94"	5.50"	45.75"	40.25"	1175	50.25"	36	2.13"
42"	57.00"	3.69"	50.44"	5.63"	47.75"	42.25"	1300	52.75"	36	2.13"
44"	59.25"	3.75"	52.69"	5.75"	49.75"	44.25"	1400	55.00"	36	2.13"
46"	61.50"	3.88"	54.94"	5.88"	51.75"	46.25"	1500	57.25"	40	2.13"
48"	65.00"	4.00"	58.44"	6.00"	54.00"	48.25"	1800	60.75"	40	2.13"

FLANGES

INDUSTRY STANDARD CLASS 250 BLIND FLANGES



All dimensions are in inches.

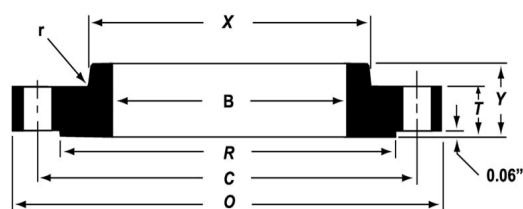
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Base of Hub Diameter (X)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	38.25"	2.81"	32.44"	30.50"	853	34.50"	28	1.88"
28"	40.75"	2.94"	34.94"	33.00"	1022	37.00"	28	1.88"
30"	43.00"	3.00"	37.19"	35.25"	1168	39.25"	28	1.88"
32"	45.25"	3.12"	39.44"	37.50"	1353	41.50"	28	1.88"
34"	47.50"	3.25"	41.44"	39.50"	1560	43.50"	28	1.88"
36"	50.00"	3.38"	43.69"	41.50"	1792	46.00"	32	2.13"
38"	52.25"	3.44"	45.69"	43.50"	2003	48.00"	32	2.13"
40"	54.50"	3.56"	47.94"	45.75"	2223	50.25"	36	2.13"
42"	57.00"	3.69"	50.44"	47.75"	2533	52.75"	36	2.13"
44"	59.25"	3.75"	52.69"	49.75"	2793	55.00"	36	2.13"
46"	61.50"	3.88"	54.94"	51.75"	3109	57.25"	40	2.13"
48"	65.00"	4.00"	58.44"	54.00"	3599	60.75"	40	2.13"

FLANGES

INDUSTRY STANDARD
CLASS 300 SERIES A SLIP-
ON BOLTING MATCHES



All dimensions are in inches.

These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

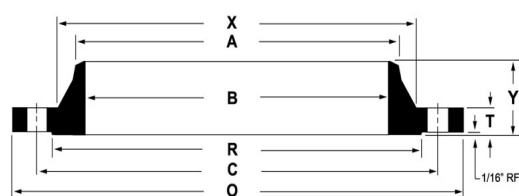
Dimensions are supportive from industry terminology and are a non-committee specification.

These flanges are not covered by ASME B16.47 or API-605 specifications.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Minimum Fillet Radius (r)	Flange Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	38.25"	3.12"	29.50"	5.37"	30.25"	0.38"	26.25"	595	34.50"	28	1.75"
28"	40.75"	3.38"	31.50"	5.68"	32.75"	0.44"	28.25"	729	37.00"	28	1.75"
30"	43.00"	3.62"	33.75"	6.12"	34.75"	0.44"	30.25"	840	39.25"	28	1.88"
32"	45.25"	3.88"	36.00"	6.56"	36.75"	0.44"	32.25"	964	41.50"	28	2.00"
34"	47.50"	4.00"	38.00"	6.81"	38.75"	0.50"	34.25"	1076	43.50"	28	2.00"
36"	50.00"	4.12"	40.25"	7.06"	41.00"	0.50"	36.25"	1202	46.00"	32	2.12"
38"	46.00"	5.31"	40.50"	6.06"	39.00"	0.50"	38.25"	687	43.00"	32	1.62"
40"	48.75"	5.56"	42.75"	6.56"	41.25"	0.50"	40.25"	840	45.50"	32	1.75"
42"	50.75"	5.81"	44.75"	6.81"	43.25"	0.50"	42.25"	922	47.50"	32	1.75"
44"	53.25"	6.06"	47.00"	6.86"	45.25"	0.50"	44.25"	1055	49.75"	32	1.88"
46"	55.75"	6.31"	49.00"	7.06"	47.25"	0.50"	46.25"	1205	52.00"	28	2.00"
48"	57.75"	6.56"	51.25"	7.18"	49.25"	0.50"	48.25"	1306	54.00"	32	2.00"

FLANGES

INDUSTRY STANDARD CLASS 350 WELDING NECK FLANGES



All dimensions are in inches.

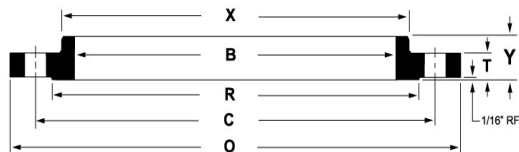
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Base of Hub Diameter (X)	Diameter of Hub at Bevel (A)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	32.75"	2.50"	29.50"	5.00"	27.88"	Specified by Purchaser	245	30.63"	28	1.13"
28"	34.75"	2.50"	31.50"	5.00"	29.88"	Specified by Purchaser	260	32.63"	28	1.13"
30"	37.00"	2.63"	33.75"	5.25"	32.13"	Specified by Purchaser	305	34.88"	32	1.13"
32"	39.00"	2.75"	35.75"	5.50"	34.13"	Specified by Purchaser	340	36.88"	36	1.13"
34"	41.00"	2.88"	37.75"	5.75"	36.13"	Specified by Purchaser	375	38.88"	40	1.13"
36"	43.75"	3.13"	40.25"	6.13"	38.50"	Specified by Purchaser	480	41.50"	40	1.25"
38"	45.75"	3.13"	42.25"	6.13"	40.50"	Specified by Purchaser	510	43.50"	40	1.25"
40"	47.75"	3.25"	44.25"	6.25"	42.50"	Specified by Purchaser	540	45.50"	44	1.25"
42"	50.00"	3.50"	46.50"	6.50"	44.75"	Specified by Purchaser	640	47.75"	48	1.25"
44"	52.75"	3.75"	48.88"	6.75"	46.75"	Specified by Purchaser	760	50.25"	44	1.38"
46"	54.75"	4.25"	50.88"	7.25"	48.75"	Specified by Purchaser	880	52.25"	48	1.38"
48"	56.75"	4.25"	52.88"	7.25"	50.75"	Specified by Purchaser	920	54.25"	48	1.38"
52"	61.50"	4.25"	57.25"	7.50"	55.00"	Specified by Purchaser	1075	58.75"	52	1.50"
54"	63.50"	4.50"	59.25"	7.75"	57.00"	Specified by Purchaser	1200	60.75"	52	1.50"
60"	69.50"	4.50"	65.25"	8.00"	63.00"	Specified by Purchaser	1325	66.75"	60	1.50"
66"	77.00"	4.00"	72.38"	8.50"	70.00"	Specified by Purchaser	1675	74.00"	60	1.63"
72"	83.00"	4.00"	78.38"	9.00"	76.00"	Specified by Purchaser	1850	80.00"	72	1.63"
84"	96.50"	5.00"	91.25"	10.00"	89.00"	Specified by Purchaser	2950	93.25"	80	1.75"
96"	109.25"	6.25"	103.88"	11.25"	101.25"	Specified by Purchaser	4250	105.75"	84	1.88"

FLANGES

INDUSTRY STANDARD CLASS 350 SLIP-ON FLANGES



All dimensions are in inches.

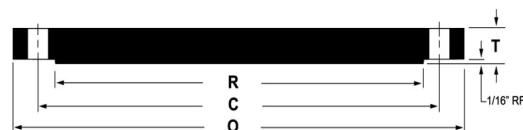
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Base of Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	32.75"	2.50"	29.50"	4.50"	27.88"	26.25"	225	30.63"	28	1.13"
28"	34.75"	2.50"	31.50"	4.50"	29.88"	28.25"	250	32.63"	28	1.13"
30"	37.00"	2.63"	33.75"	4.75"	32.13"	30.25"	295	34.88"	32	1.13"
32"	39.00"	2.75"	35.75"	5.00"	34.13"	32.25"	325	36.88"	36	1.13"
34"	41.00"	2.88"	37.75"	5.13"	36.13"	34.25"	355	38.88"	40	1.13"
36"	43.75"	3.13"	40.25"	5.63"	38.50"	36.25"	465	41.50"	40	1.25"
38"	45.75"	3.13"	42.25"	5.63"	40.50"	38.25"	490	43.50"	40	1.25"
40"	47.75"	3.25"	44.25"	5.88"	42.50"	40.25"	530	45.50"	44	1.25"
42"	50.00"	3.50"	46.50"	6.13"	44.75"	42.25"	620	47.75"	48	1.25"
44"	52.75"	3.75"	48.88"	6.75"	46.75"	44.25"	760	50.25"	44	1.38"
46"	54.75"	4.25"	50.88"	7.25"	48.75"	46.25"	880	52.25"	48	1.38"
48"	56.75"	4.25"	52.88"	7.25"	50.75"	48.25"	920	54.25"	48	1.38"
54"	63.50"	4.75"	59.25"	8.25"	57.00"	54.25"	1150	60.75"	52	1.50"
60"	69.50"	5.00"	65.25"	8.50"	63.00"	60.25"	1450	66.75"	60	1.50"

FLANGES

INDUSTRY STANDARD CLASS 350 BLIND FLANGES



All dimensions are in inches.

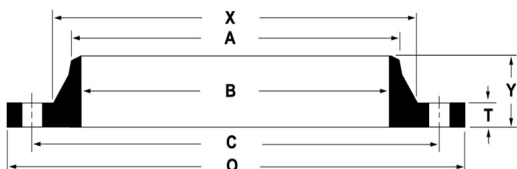
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
26"	32.75"	2.50"	29.50"	580	30.63"	28	1.13"
28"	34.75"	2.50"	31.50"	750	32.63"	28	1.13"
30"	37.00"	2.63"	33.75"	890	34.88"	32	1.13"
32"	39.00"	2.75"	35.75"	1050	36.88"	36	1.13"
34"	41.00"	2.88"	37.75"	1225	38.88"	40	1.13"
36"	43.75"	3.13"	40.25"	1500	41.50"	40	1.25"
38"	45.75"	3.13"	42.25"	1700	43.50"	40	1.25"
40"	47.75"	3.25"	44.25"	1975	45.50"	44	1.25"
42"	50.00"	3.50"	46.50"	2225	47.75"	48	1.25"
44"	52.75"	3.75"	48.88"	2625	50.25"	44	1.38"
46"	54.75"	4.25"	50.88"	2950	52.25"	48	1.38"
48"	56.75"	4.25"	52.88"	3300	54.25"	48	1.38"

FLANGES

INDUSTRY STANDARD CLASS 125/150 WELD NECK FLANGES



All dimensions are in inches.

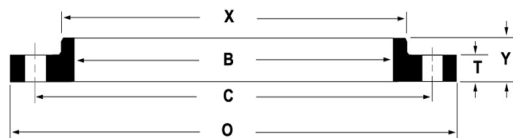
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Overall Thickness (Y)	Point of Weld (A)	Hub Diameter (X)	Inside Diameter (B)	Approximate Weight (lbs)	Number of Bolt Holes	Diameter of Bolt Holes	Diameter of Bolt Circle (C)
inch	inch	inch	inch	inch	inch	inch	lbs	count	inch	inch
26"	34.25"	2.00"	5.00"	26.00"	28.50"	Specified by purchaser	260	24	1.38"	31.75"
28"	36.50"	2.06"	5.06"	28.00"	30.75"		295	28	1.38"	34.00"
30"	38.75"	2.13"	5.13"	30.00"	32.75"		340	28	1.38"	36.00"
32"	41.75"	2.25"	5.25"	32.00"	35.00"		410	28	1.63"	38.50"
34"	43.75"	2.31"	5.31"	34.00"	37.00"		440	32	1.63"	40.50"
36"	46.00"	2.38"	5.38"	36.00"	39.25"		495	32	1.63"	42.75"
38"	48.75"	2.38"	5.38"	38.00"	41.75"		570	32	1.63"	45.25"
40"	50.75"	2.50"	5.50"	40.00"	43.75"		620	36	1.63"	47.25"
42"	53.00"	2.63"	5.63"	42.00"	46.00"		710	36	1.63"	49.50"
44"	55.25"	2.63"	5.63"	44.00"	48.00"		750	40	1.63"	51.75"
46"	57.25"	2.69"	5.69"	46.00"	50.00"		800	40	1.63"	53.75"
48"	59.50"	2.75"	5.75"	48.00"	52.25"		870	44	1.63"	56.00"
50"	61.75"	2.75"	5.75"	50.00"	54.25"		900	44	1.88"	58.25"
52"	64.00"	2.88"	5.88"	52.00"	56.50"		1000	44	1.88"	60.50"
54"	66.25"	3.00"	6.00"	54.00"	58.75"		1100	44	1.88"	62.75"
60"	73.00"	3.13"	6.13"	60.00"	65.25"		1350	52	1.88"	69.25"
66"	80.00"	3.38"	6.38"	66.00"	71.50"		1775	52	1.88"	76.00"
72"	86.50"	3.50"	6.50"	72.00"	78.50"		2100	60	1.88"	82.50"
84"	99.75"	3.88"	6.88"	84.00"	90.50"		2825	64	2.13"	95.50"
96"	113.25"	4.25"	7.25"	96.00"	102.75"		3800	68	2.38"	108.50"

FLANGES

INDUSTRY STANDARD CLASS 125/150 SLIP-ON FLANGES



All dimensions are in inches.

These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Overall Thickness (Y)	Hub Diameter (X)	Inside Diameter (B)	Approximate Weight (lbs)	Number of Bolt Holes	Diameter of Bolt Holes	Diameter of Bolt Circle (C)
inch	inch	inch	inch	inch	inch	lbs	count	inch	inch
26"	34.25"	2.00"	3.38"	28.50"	26.25"	235	24	1.38"	31.75"
28"	36.50"	2.06"	3.44"	30.75"	28.25"	270	28	1.38"	34.00"
30"	38.75"	2.13"	3.50"	32.75"	30.25"	305	28	1.38"	36.00"
32"	41.75"	2.25"	3.63"	35.00"	32.25"	375	28	1.63"	38.50"
34"	43.75"	2.31"	3.69"	37.00"	34.25"	400	32	1.63"	40.50"
36"	46.00"	2.38"	3.75"	39.25"	36.25"	450	32	1.63"	42.75"
38"	48.75"	2.38"	3.75"	41.75"	38.25"	530	32	1.63"	45.25"
40"	50.75"	2.50"	3.88"	43.75"	40.25"	570	36	1.63"	47.25"
42"	53.00"	2.63"	4.00"	46.00"	42.25"	650	36	1.63"	49.50"
44"	55.25"	2.63"	4.00"	48.00"	44.25"	690	40	1.63"	51.75"
46"	57.25"	2.69"	4.06"	50.00"	46.25"	730	40	1.63"	53.75"
48"	59.50"	2.75"	4.13"	52.25"	48.25"	800	44	1.63"	56.00"
50"	61.75"	2.75"	4.13"	54.25"	50.25"	830	44	1.88"	58.25"
52"	64.00"	2.88"	4.25"	56.50"	52.25"	920	44	1.88"	60.50"
54"	66.25"	3.00"	4.38"	58.75"	54.25"	1025	44	1.88"	62.75"
60"	73.00"	3.13"	4.50"	65.25"	60.25"	1250	52	1.88"	69.25"
66"	80.00"	3.38"	4.88"	71.50"	66.25"	1625	52	1.88"	76.00"
72"	86.50"	3.50"	5.00"	78.50"	72.25"	1925	60	1.88"	82.50"
78"	93.00"	3.88"	5.38"	84.50"	78.25"	2525	64	2.13"	89.00"
84"	99.75"	3.88"	5.38"	90.50"	84.25"	2600	64	2.13"	95.50"
90"	106.50"	4.25"	5.75"	96.75"	90.25"	3150	68	2.38"	102.00"
96"	113.25"	4.25"	5.75"	102.75"	96.25"	3275	68	2.38"	108.50"

FLANGES

INDUSTRY STANDARD CLASS 125/150 BLIND FLANGES



All dimensions are in inches.

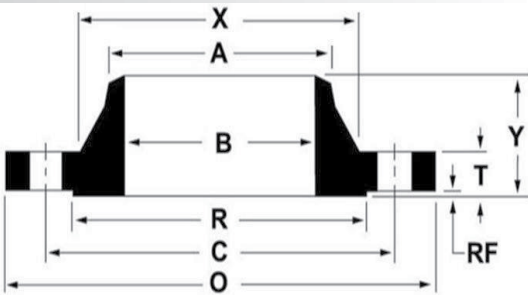
These flanges will be furnished with a 1/16" raised face unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Approximate Weight (lbs)	Number of Bolt Holes	Diameter of Bolt Holes	Diameter of Bolt Circle (C)
inch	inch	inch	lbs	count	inch	inch
26"	34.25"	2.00"	260	24	1.38"	31.75"
28"	36.50"	2.06"	295	28	1.38"	34.00"
30"	38.75"	2.13"	340	28	1.38"	36.00"
32"	41.75"	2.25"	410	28	1.63"	38.50"
34"	43.75"	2.31"	440	32	1.63"	40.50"
36"	46.00"	2.38"	495	32	1.63"	42.75"
38"	48.75"	2.38"	570	32	1.63"	45.25"
40"	50.75"	2.50"	620	36	1.63"	47.25"
42"	53.00"	2.63"	710	36	1.63"	49.50"
44"	55.25"	2.63"	750	40	1.63"	51.75"
46"	57.25"	2.69"	800	40	1.63"	53.75"
48"	59.50"	2.75"	870	44	1.63"	56.00"
50"	61.75"	2.75"	900	44	1.88"	58.25"
52"	64.00"	2.88"	1000	44	1.88"	60.50"
54"	66.25"	3.00"	1100	44	1.88"	62.75"
60"	73.00"	3.13"	1350	52	1.88"	69.25"
66"	80.00"	3.38"	1775	52	1.88"	76.00"
72"	86.50"	3.50"	2100	60	1.88"	82.50"
84"	99.75"	3.88"	2825	64	2.13"	95.50"
96"	113.25"	4.25"	3800	68	2.38"	108.50"

FLANGES

ANSI B16.5 CLASS 150 WELDING NECK FLANGES



All dimensions are in inches.

These flanges will be supplied with a 1/16" raised face unless otherwise specified.

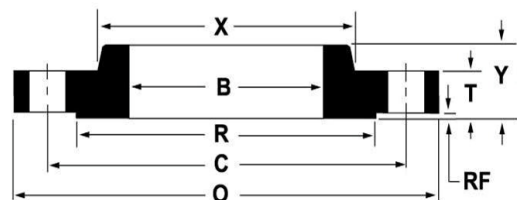
Flat face option available.

Standard Bore will be furnished unless otherwise specified.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Point of Weld (A)	Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.50"	0.44"	1.38"	1.88"	0.84"	1.19"	0.62"	2	2.38"	4	0.63"
3/4"	3.88"	0.50"	1.69"	2.06"	1.05"	1.50"	0.82"	2	2.75"	4	0.63"
1"	4.25"	0.56"	2.00"	2.19"	1.32"	1.94"	1.05"	3	3.13"	4	0.63"
1 1/4"	4.63"	0.63"	2.50"	2.25"	1.66"	2.31"	1.38"	3	3.50"	4	0.63"
1 1/2"	5.00"	0.69"	2.88"	2.44"	1.90"	2.56"	1.61"	4	3.88"	4	0.63"
2"	6.00"	0.75"	3.63"	2.50"	2.38"	3.06"	2.07"	6	4.75"	4	0.75"
2 1/2"	7.00"	0.88"	4.13"	2.75"	2.88"	3.56"	2.47"	8	5.50"	4	0.75"
3"	7.50"	0.94"	5.00"	2.75"	3.50"	4.25"	3.07"	10	6.00"	4	0.75"
3 1/2"	8.50"	0.94"	5.50"	2.81"	4.00"	4.81"	3.55"	12	7.00"	8	0.75"
4"	9.00"	0.94"	6.19"	3.00"	4.50"	5.31"	4.03"	15	7.50"	8	0.75"
5"	10.00"	0.94"	7.31"	3.50"	5.56"	6.44"	5.05"	19	8.50"	8	0.88"
6"	11.00"	1.00"	8.50"	3.50"	6.63"	7.56"	6.07"	24	9.50"	8	0.88"
8"	13.50"	1.13"	10.63"	4.00"	8.63"	9.69"	7.98"	39	11.75"	8	0.88"
10"	16.00"	1.19"	12.75"	4.00"	10.75"	12.00"	10.02"	52	14.25"	12	1.00"
12"	19.00"	1.25"	15.00"	4.50"	12.75"	14.38"	12.00"	80	17.00"	12	1.00"
14"	21.00"	1.38"	16.25"	5.00"	14.00"	15.75"	13.25"	110	18.75"	12	1.13"
16"	23.50"	1.44"	18.50"	5.00"	16.00"	18.00"	15.25"	140	21.25"	16	1.13"
18"	25.00"	1.56"	21.00"	5.50"	18.00"	19.88"	17.25"	150	22.75"	16	1.25"
20"	27.50"	1.69"	23.00"	5.69"	20.00"	22.00"	19.25"	180	25.00"	20	1.25"
22"	29.50"	1.81"	25.25"	5.88"	22.00"	24.25"	21.25"	225	27.25"	20	1.38"
24"	32.00"	1.88"	27.25"	6.00"	24.00"	26.13"	23.25"	260	29.50"	20	1.38"

FLANGES

ANSI B16.5 CLASS 150 SLIP-ON FLANGES



All dimensions are in inches.

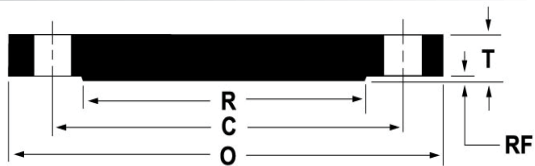
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.50"	0.44"	1.38"	0.63"	1.19"	0.88"	1	2.38"	4	0.63"
3/4"	3.88"	0.50"	1.69"	0.63"	1.50"	1.09"	2	2.75"	4	0.63"
1"	4.25"	0.56"	2.00"	0.69"	1.94"	1.36"	2	3.13"	4	0.63"
1 1/4"	4.63"	0.63"	2.50"	0.81"	2.31"	1.70"	3	3.50"	4	0.63"
1 1/2"	5.00"	0.69"	2.88"	0.88"	2.56"	1.95"	3	3.88"	4	0.63"
2"	6.00"	0.75"	3.63"	1.00"	3.06"	2.44"	5	4.75"	4	0.75"
2 1/2"	7.00"	0.88"	4.13"	1.13"	3.56"	2.94"	7	5.50"	4	0.75"
3"	7.50"	0.94"	5.00"	1.19"	4.25"	3.57"	8	6.00"	4	0.75"
3 1/2"	8.50"	0.94"	5.50"	1.25"	4.81"	4.07"	11	7.00"	8	0.75"
4"	9.00"	0.94"	6.19"	1.31"	5.31"	4.57"	13	7.50"	8	0.75"
5"	10.00"	0.94"	7.31"	1.44"	6.44"	5.66"	15	8.50"	8	0.88"
6"	11.00"	1.00"	8.50"	1.56"	7.56"	6.72"	19	9.50"	8	0.88"
8"	13.50"	1.13"	10.63"	1.75"	9.69"	8.72"	30	11.75"	8	0.88"
10"	16.00"	1.19"	12.75"	1.94"	12.00"	10.88"	43	14.25"	12	1.00"
12"	19.00"	1.25"	15.00"	2.19"	14.38"	12.88"	64	17.00"	12	1.00"
14"	21.00"	1.38"	16.25"	2.25"	15.75"	14.14"	90	18.75"	12	1.13"
16"	23.50"	1.44"	18.50"	2.50"	18.00"	16.16"	98	21.25"	16	1.13"
18"	25.00"	1.56"	21.00"	2.69"	19.88"	18.18"	130	22.75"	16	1.25"
20"	27.50"	1.69"	23.00"	2.88"	22.00"	20.20"	165	25.00"	20	1.25"
22"	29.50"	1.81"	25.25"	3.13"	24.25"	22.22"	185	27.25"	20	1.38"
24"	32.00"	1.88"	27.25"	3.25"	26.13"	24.25"	220	29.50"	20	1.38"

FLANGES

ANSI B16.5 CLASS 150 BLIND FLANGES



All dimensions are in inches.

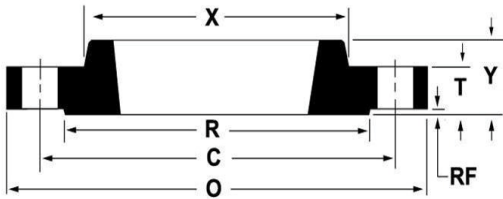
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.50"	0.44"	1.38"	1	2.38"	4	0.63"
3/4"	3.88"	0.50"	1.69"	2	2.75"	4	0.63"
1"	4.25"	0.56"	2.00"	2	3.13"	4	0.63"
1 1/4"	4.63"	0.63"	2.50"	3	3.50"	4	0.63"
1 1/2"	5.00"	0.69"	2.88"	4	3.88"	4	0.63"
2"	6.00"	0.75"	3.63"	5	4.75"	4	0.75"
2 1/2"	7.00"	0.88"	4.13"	7	5.50"	4	0.75"
3"	7.50"	0.94"	5.00"	9	6.00"	4	0.75"
3 1/2"	8.50"	0.94"	5.50"	13	7.00"	8	0.75"
4"	9.00"	0.94"	6.19"	17	7.50"	8	0.75"
5"	10.00"	0.94"	7.31"	20	8.50"	8	0.88"
6"	11.00"	1.00"	8.50"	26	9.50"	8	0.88"
8"	13.50"	1.13"	10.63"	45	11.75"	8	0.88"
10"	16.00"	1.19"	12.75"	70	14.25"	12	1.00"
12"	19.00"	1.25"	15.00"	110	17.00"	12	1.00"
14"	21.00"	1.38"	16.25"	140	18.75"	12	1.13"
16"	23.50"	1.44"	18.50"	180	21.25"	16	1.13"
18"	25.00"	1.56"	21.00"	220	22.75"	16	1.25"
20"	27.50"	1.69"	23.00"	285	25.00"	20	1.25"
22"	29.50"	1.81"	25.25"	355	27.25"	20	1.38"
24"	32.00"	1.88"	27.25"	430	29.50"	20	1.38"

FLANGES

ANSI B16.5 CLASS 150 THREADED FLANGES



All dimensions are in inches.

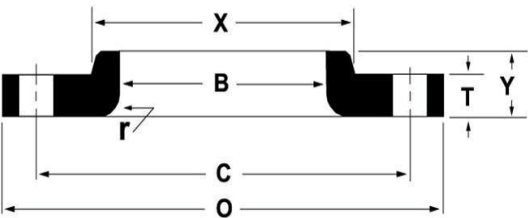
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.50"	0.44"	1.38"	0.63"	1.19"	1	2.38"	4	0.63"
3/4"	3.88"	0.50"	1.69"	0.63"	1.50"	2	2.75"	4	0.63"
1"	4.25"	0.56"	2.00"	0.69"	1.94"	2	3.13"	4	0.63"
1 1/4"	4.63"	0.63"	2.50"	0.81"	2.31"	3	3.50"	4	0.63"
1 1/2"	5.00"	0.69"	2.88"	0.88"	2.56"	3	3.88"	4	0.63"
2"	6.00"	0.75"	3.63"	1.00"	3.06"	5	4.75"	4	0.75"
2 1/2"	7.00"	0.88"	4.13"	1.13"	3.56"	7	5.50"	4	0.75"
3"	7.50"	0.94"	5.00"	1.19"	4.25"	8	6.00"	4	0.75"
3 1/2"	8.50"	0.94"	5.50"	1.25"	4.81"	11	7.00"	8	0.75"
4"	9.00"	0.94"	6.19"	1.31"	5.31"	13	7.50"	8	0.75"
5"	10.00"	0.94"	7.31"	1.44"	6.44"	15	8.50"	8	0.88"
6"	11.00"	1.00"	8.50"	1.56"	7.56"	19	9.50"	8	0.88"
8"	13.50"	1.13"	10.63"	1.75"	9.69"	30	11.75"	8	0.88"
10"	16.00"	1.19"	12.75"	1.94"	12.00"	43	14.25"	12	1.00"
12"	19.00"	1.25"	15.00"	2.19"	14.38"	64	17.00"	12	1.00"
14"	21.00"	1.38"	16.25"	2.25"	15.75"	90	18.75"	12	1.13"
16"	23.50"	1.44"	18.50"	2.50"	18.00"	98	21.25"	16	1.13"
18"	25.00"	1.56"	21.00"	2.69"	19.88"	130	22.75"	16	1.25"
20"	27.50"	1.69"	23.00"	2.88"	22.00"	165	25.00"	20	1.25"
22"	29.50"	1.81"	25.25"	3.13"	24.25"	185	27.25"	20	1.38"
24"	32.00"	1.88"	27.25"	3.25"	26.13"	220	29.50"	20	1.38"

FLANGES

ANSI B16.5 CLASS 150 LAP JOINT FLANGES

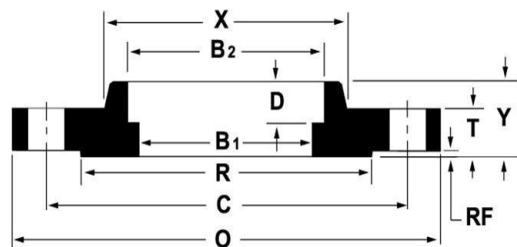


All dimensions are in inches.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Length Thru Hub (Y)	Hub Diameter (X)	Radius (r)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.50"	0.44"	0.63"	1.19"	0.13"	0.90"	1	2.38"	4	0.63"
3/4"	3.88"	0.50"	0.63"	1.50"	0.13"	1.11"	2	2.75"	4	0.63"
1"	4.25"	0.56"	0.69"	1.94"	0.13"	1.38"	2	3.13"	4	0.63"
1 1/4"	4.63"	0.63"	0.81"	2.31"	0.19"	1.72"	3	3.50"	4	0.63"
1 1/2"	5.00"	0.69"	0.88"	2.56"	0.25"	1.97"	3	3.88"	4	0.63"
2"	6.00"	0.75"	1.00"	3.06"	0.31"	2.46"	5	4.75"	4	0.75"
2 1/2"	7.00"	0.88"	1.13"	3.56"	0.31"	2.97"	7	5.50"	4	0.75"
3"	7.50"	0.94"	1.19"	4.25"	0.38"	3.60"	8	6.00"	4	0.75"
3 1/2"	8.50"	0.94"	1.25"	4.81"	0.38"	4.10"	11	7.00"	8	0.75"
4"	9.00"	0.94"	1.31"	5.31"	0.44"	4.60"	13	7.50"	8	0.75"
5"	10.00"	0.94"	1.44"	6.44"	0.44"	5.69"	15	8.50"	8	0.88"
6"	11.00"	1.00"	1.56"	7.56"	0.50"	6.75"	19	9.50"	8	0.88"
8"	13.50"	1.13"	1.75"	9.69"	0.50"	8.75"	30	11.75"	8	0.88"
10"	16.00"	1.19"	1.94"	12.00"	0.50"	10.92"	43	14.25"	12	1.00"
12"	19.00"	1.25"	2.19"	14.38"	0.50"	12.92"	64	17.00"	12	1.00"
14"	21.00"	1.38"	3.13"	15.75"	0.50"	14.18"	105	18.75"	12	1.13"
16"	23.50"	1.44"	3.44"	18.00"	0.50"	16.19"	140	21.25"	16	1.13"
18"	25.00"	1.56"	2.88"	19.88"	0.50"	18.20"	160	22.75"	16	1.25"
20"	27.50"	1.69"	4.06"	22.00"	0.50"	20.25"	195	25.00"	20	1.25"
22"	29.50"	1.81"	4.25"	24.25"	0.50"	22.25"	245	27.25"	20	1.38"
24"	32.00"	1.88"	4.38"	26.13"	0.50"	24.25"	275	29.50"	20	1.38"

FLANGES

ANSI B16.5 CLASS 150 SOCKET-WELD FLANGES



All dimensions are in inches.

These flanges will be supplied with a 1/16" raised face unless otherwise specified.

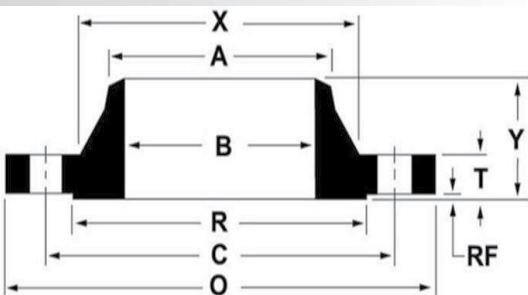
Flat face option available.

Standard Bore will be furnished unless otherwise specified.

Nominal Pipe Size	Outside Diameter (O)	Thick-ness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Bore (B ₁)	Bore (B ₂)	Depth of Socket (D)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.50"	0.44"	1.38"	0.63"	1.19"	0.62"	0.88"	0.38"	1	2.38"	4	0.63"
3/4"	3.88"	0.50"	1.69"	0.63"	1.50"	0.82"	1.09"	0.44"	2	2.75"	4	0.63"
1"	4.25"	0.56"	2.00"	0.69"	1.94"	1.05"	1.36"	0.50"	2	3.13"	4	0.63"
1 1/4"	4.63"	0.63"	2.50"	0.81"	2.31"	1.38"	1.70"	0.56"	3	3.50"	4	0.63"
1 1/2"	5.00"	0.69"	2.88"	0.88"	2.56"	1.61"	1.95"	0.63"	3	3.88"	4	0.63"
2"	6.00"	0.75"	3.63"	1.00"	3.06"	2.07"	2.44"	0.69"	5	4.75"	4	0.75"
2 1/2"	7.00"	0.88"	4.13"	1.13"	3.56"	2.47"	2.94"	0.75"	7	5.50"	4	0.75"
3"	7.50"	0.94"	5.00"	1.19"	4.25"	3.07"	3.57"	0.81"	8	6.00"	4	0.75"
3 1/2"	8.50"	0.94"	5.50"	1.25"	4.81"	3.55"	4.07"	0.88"	11	7.00"	8	0.75"
4"	9.00"	0.94"	6.19"	1.31"	5.31"	4.03"	4.57"	0.94"	13	7.50"	8	0.75"
5"	10.00"	0.94"	7.31"	1.44"	6.44"	5.05"	5.66"	0.94"	15	8.50"	8	0.88"
6"	11.00"	1.00"	8.50"	1.56"	7.56"	6.07"	6.72"	1.06"	19	9.50"	8	0.88"
8"	13.50"	1.13"	10.63"	1.75"	9.69"	7.98"	8.72"	1.25"	30	11.75"	8	0.88"
10"	16.00"	1.19"	12.75"	1.94"	12.00"	10.02"	10.88"	1.31"	43	14.25"	12	1.00"
12"	19.00"	1.25"	15.00"	2.19"	14.38"	12.00"	12.88"	1.56"	64	17.00"	12	1.00"
14"	21.00"	1.38"	16.25"	2.25"	15.75"	13.25"	14.14"	1.63"	90	18.75"	12	1.13"
16"	23.50"	1.44"	18.50"	2.50"	18.00"	15.25"	16.16"	1.75"	98	21.25"	16	1.13"
18"	25.00"	1.56"	21.00"	2.69"	19.88"	17.25"	18.18"	1.94"	130	22.75"	16	1.25"
20"	27.50"	1.69"	23.00"	2.88"	22.00"	19.25"	20.20"	2.13"	165	25.00"	20	1.25"
22"	29.50"	1.81"	25.25"	3.13"	24.25"	21.25"	22.22"	2.38"	185	27.25"	20	1.38"
24"	32.00"	1.88"	27.25"	3.25"	26.13"	23.25"	24.25"	2.50"	220	29.50"	20	1.38"

FLANGES

ANSI B16.5 CLASS 300 WELDING NECK FLANGES



All dimensions are in inches.

These flanges will be supplied with a 1/16" raised face unless otherwise specified.

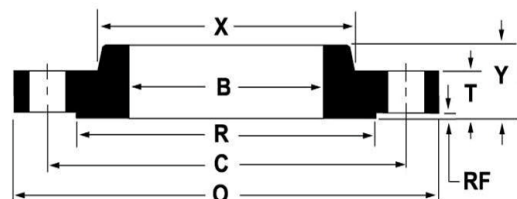
Flat face option available.

Standard Bore will be furnished unless otherwise specified.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Point of Weld (A)	Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	1.38"	2.06"	0.84"	1.50"	0.62"	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.69"	2.25"	1.05"	1.88"	0.82"	3	3.25"	4	0.75"
1"	4.88"	0.69"	2.00"	2.44"	1.32"	2.13"	1.05"	4	3.50"	4	0.75"
1 1/4"	5.25"	0.75"	2.50"	2.56"	1.66"	2.50"	1.38"	5	3.88"	4	0.75"
1 1/2"	6.13"	0.81"	2.88"	2.69"	1.90"	2.75"	1.61"	7	4.50"	4	0.88"
2"	6.50"	0.88"	3.63"	2.75"	2.38"	3.31"	2.07"	9	5.00"	8	0.75"
2 1/2"	7.50"	1.00"	4.13"	3.00"	2.88"	3.94"	2.47"	12	5.88"	8	0.88"
3"	8.25"	1.13"	5.00"	3.13"	3.50"	4.63"	3.07"	15	6.63"	8	0.88"
3 1/2"	9.00"	1.19"	5.50"	3.19"	4.00"	5.25"	3.55"	18	7.25"	8	0.88"
4"	10.00"	1.25"	6.19"	3.38"	4.50"	5.75"	4.03"	25	7.88"	8	0.88"
5"	11.00"	1.38"	7.31"	3.88"	5.56"	7.00"	5.05"	32	9.25"	8	0.88"
6"	12.50"	1.44"	8.50"	3.88"	6.63"	8.13"	6.07"	42	10.63"	12	0.88"
8"	15.00"	1.63"	10.63"	4.38"	8.63"	10.25"	7.98"	67	13.00"	12	1.00"
10"	17.50"	1.88"	12.75"	4.63"	10.75"	12.63"	10.02"	91	15.25"	16	1.13"
12"	20.50"	2.00"	15.00"	5.13"	12.75"	14.75"	12.00"	140	17.75"	16	1.25"
14"	23.00"	2.13"	16.25"	5.63"	14.00"	16.75"	13.25"	180	20.25"	20	1.25"
16"	25.50"	2.25"	18.50"	5.75"	16.00"	19.00"	15.25"	250	22.50"	20	1.38"
18"	28.00"	2.38"	21.00"	6.25"	18.00"	21.00"	17.25"	320	24.75"	24	1.38"
20"	30.50"	2.50"	23.00"	6.38"	20.00"	23.13"	19.25"	400	27.00"	24	1.38"
22"	33.00"	2.63"	25.25"	6.50"	22.00"	25.25"	21.25"	465	29.25"	24	1.63"
24"	36.00"	2.75"	27.25"	6.63"	24.00"	27.63"	23.25"	580	32.00"	24	1.63"

FLANGES

ANSI B16.5 CLASS 300 SLIP-ON FLANGES



All dimensions are in inches.

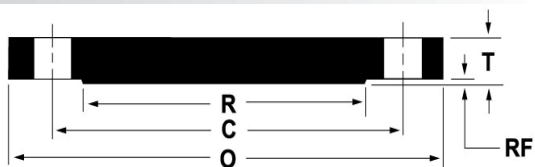
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	1.38"	0.88"	1.50"	0.88"	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.69"	1.00"	1.88"	1.09"	3	3.25"	4	0.75"
1"	4.88"	0.69"	2.00"	1.06"	2.13"	1.36"	3	3.50"	4	0.75"
1 1/4"	5.25"	0.75"	2.50"	1.06"	2.50"	1.70"	4	3.88"	4	0.75"
1 1/2"	6.13"	0.81"	2.88"	1.19"	2.75"	1.95"	6	4.50"	4	0.88"
2"	6.50"	0.88"	3.63"	1.31"	3.31"	2.44"	7	5.00"	8	0.75"
2 1/2"	7.50"	1.00"	4.13"	1.50"	3.94"	2.94"	10	5.88"	8	0.88"
3"	8.25"	1.13"	5.00"	1.69"	4.63"	3.57"	13	6.63"	8	0.88"
3 1/2"	9.00"	1.19"	5.50"	1.75"	5.25"	4.07"	17	7.25"	8	0.88"
4"	10.00"	1.25"	6.19"	1.88"	5.75"	4.57"	22	7.88"	8	0.88"
5"	11.00"	1.38"	7.31"	2.00"	7.00"	5.66"	28	9.25"	8	0.88"
6"	12.50"	1.44"	8.50"	2.06"	8.13"	6.72"	39	10.63"	12	0.88"
8"	15.00"	1.63"	10.63"	2.44"	10.25"	8.72"	58	13.00"	12	1.00"
10"	17.50"	1.88"	12.75"	2.62"	12.63"	10.88"	81	15.25"	16	1.13"
12"	20.50"	2.00"	15.00"	2.88"	14.75"	12.88"	115	17.75"	16	1.25"
14"	23.00"	2.13"	16.25"	3.00"	16.75"	14.14"	165	20.25"	20	1.25"
16"	25.50"	2.25"	18.50"	3.25"	19.00"	16.16"	190	22.50"	20	1.38"
18"	28.00"	2.38"	21.00"	3.50"	21.00"	18.18"	250	24.75"	24	1.38"
20"	30.50"	2.50"	23.00"	3.75"	23.13"	20.20"	315	27.00"	24	1.38"
22"	33.00"	2.63"	25.25"	4.00"	25.25"	22.22"	370	29.25"	24	1.63"
24"	36.00"	2.75"	27.25"	4.19"	27.63"	24.25"	475	32.00"	24	1.63"

FLANGES

ANSI B16.5 CLASS 300 BLIND FLANGES



All dimensions are in inches.

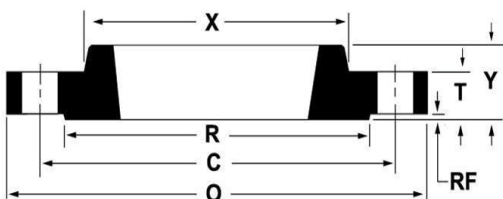
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	1.38"	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.69"	3	3.25"	4	0.75"
1"	4.88"	0.69"	2.00"	3	3.50"	4	0.75"
1 1/4"	5.25"	0.75"	2.50"	4	3.88"	4	0.75"
1 1/2"	6.13"	0.81"	2.88"	6	4.50"	4	0.88"
2"	6.50"	0.88"	3.63"	8	5.00"	8	0.75"
2 1/2"	7.50"	1.00"	4.13"	12	5.88"	8	0.88"
3"	8.25"	1.13"	5.00"	16	6.63"	8	0.88"
3 1/2"	9.00"	1.19"	5.50"	21	7.25"	8	0.88"
4"	10.00"	1.25"	6.19"	27	7.88"	8	0.88"
5"	11.00"	1.38"	7.31"	35	9.25"	8	0.88"
6"	12.50"	1.44"	8.50"	50	10.63"	12	0.88"
8"	15.00"	1.63"	10.63"	81	13.00"	12	1.00"
10"	17.50"	1.88"	12.75"	124	15.25"	16	1.13"
12"	20.50"	2.00"	15.00"	185	17.75"	16	1.25"
14"	23.00"	2.13"	16.25"	250	20.25"	20	1.25"
16"	25.50"	2.25"	18.50"	295	22.50"	20	1.38"
18"	28.00"	2.38"	21.00"	395	24.75"	24	1.38"
20"	30.50"	2.50"	23.00"	505	27.00"	24	1.38"
22"	33.00"	2.63"	25.25"	640	29.25"	24	1.63"
24"	36.00"	2.75"	27.25"	790	32.00"	24	1.63"

FLANGES

ANSI B16.5 CLASS 300 THREADED FLANGES



All dimensions are in inches.

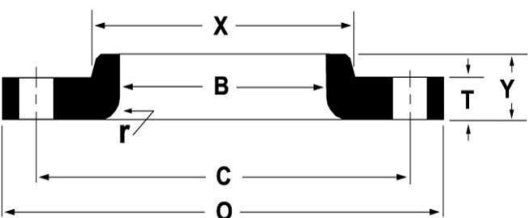
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	1.38"	0.88"	1.50"	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.69"	1.00"	1.88"	3	3.25"	4	0.75"
1"	4.88"	0.69"	2.00"	1.06"	2.13"	3	3.50"	4	0.75"
1 1/4"	5.25"	0.75"	2.50"	1.06"	2.50"	4	3.88"	4	0.75"
1 1/2"	6.13"	0.81"	2.88"	1.19"	2.75"	6	4.50"	4	0.88"
2"	6.50"	0.88"	3.63"	1.31"	3.31"	7	5.00"	8	0.75"
2 1/2"	7.50"	1.00"	4.13"	1.50"	3.94"	10	5.88"	8	0.88"
3"	8.25"	1.13"	5.00"	1.69"	4.63"	13	6.63"	8	0.88"
3 1/2"	9.00"	1.19"	5.50"	1.75"	5.25"	17	7.25"	8	0.88"
4"	10.00"	1.25"	6.19"	1.88"	5.75"	22	7.88"	8	0.88"
5"	11.00"	1.38"	7.31"	2.00"	7.00"	28	9.25"	8	0.88"
6"	12.50"	1.44"	8.50"	2.06"	8.13"	39	10.63"	12	0.88"
8"	15.00"	1.63"	10.63"	2.44"	10.25"	58	13.00"	12	1.00"
10"	17.50"	1.88"	12.75"	2.62"	12.63"	81	15.25"	16	1.13"
12"	20.50"	2.00"	15.00"	2.88"	14.75"	115	17.75"	16	1.25"
14"	23.00"	2.13"	16.25"	3.00"	16.75"	165	20.25"	20	1.25"
16"	25.50"	2.25"	18.50"	3.25"	19.00"	190	22.50"	20	1.38"
18"	28.00"	2.38"	21.00"	3.50"	21.00"	250	24.75"	24	1.38"
20"	30.50"	2.50"	23.00"	3.75"	23.13"	315	27.00"	24	1.38"
22"	33.00"	2.63"	25.25"	4.00"	25.25"	370	29.25"	24	1.63"
24"	36.00"	2.75"	27.25"	4.19"	27.63"	475	32.00"	24	1.63"

FLANGES

ANSI B16.5 CLASS 300 LAP JOINT FLANGES

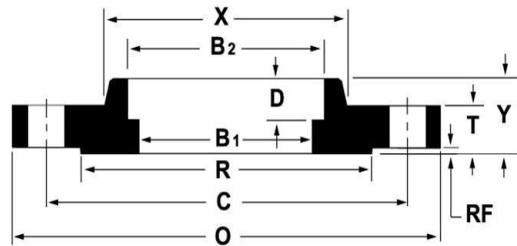


All dimensions are in inches.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Length Thru Hub (Y)	Hub Diameter (X)	Radius (r)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	0.88"	1.50"	0.13"	0.90"	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.00"	1.88"	0.13"	1.11"	3	3.25"	4	0.75"
1"	4.88"	0.69"	1.06"	2.13"	0.13"	1.38"	3	3.50"	4	0.75"
1 1/4"	5.25"	0.75"	1.06"	2.50"	0.19"	1.72"	4	3.88"	4	0.75"
1 1/2"	6.13"	0.81"	1.19"	2.75"	0.25"	1.97"	6	4.50"	4	0.88"
2"	6.50"	0.88"	1.31"	3.31"	0.31"	2.46"	7	5.00"	8	0.75"
2 1/2"	7.50"	1.00"	1.50"	3.94"	0.31"	2.97"	10	5.88"	8	0.88"
3"	8.25"	1.13"	1.69"	4.63"	0.38"	3.60"	13	6.63"	8	0.88"
3 1/2"	9.00"	1.19"	1.75"	5.25"	0.38"	4.10"	17	7.25"	8	0.88"
4"	10.00"	1.25"	1.88"	5.75"	0.44"	4.60"	22	7.88"	8	0.88"
5"	11.00"	1.38"	2.00"	7.00"	0.44"	5.69"	28	9.25"	8	0.88"
6"	12.50"	1.44"	2.06"	8.13"	0.50"	6.75"	39	10.63"	12	0.88"
8"	15.00"	1.63"	2.44"	10.25"	0.50"	8.75"	58	13.00"	12	1.00"
10"	17.50"	1.88"	3.75"	12.63"	0.50"	10.92"	91	15.25"	16	1.13"
12"	20.50"	2.00"	4.00"	14.75"	0.50"	12.92"	140	17.75"	16	1.25"
14"	23.00"	2.13"	4.38"	16.75"	0.50"	14.18"	190	20.25"	20	1.25"
16"	25.50"	2.25"	4.75"	19.00"	0.50"	16.19"	250	22.50"	20	1.38"
18"	28.00"	2.38"	5.13"	21.00"	0.50"	18.20"	295	24.75"	24	1.38"
20"	30.50"	2.50"	5.50"	23.13"	0.50"	20.25"	370	27.00"	24	1.38"
22"	33.00"	2.63"	5.75"	25.25"	0.50"	22.25"	435	29.25"	24	1.63"
24"	36.00"	2.75"	6.00"	27.63"	0.50"	24.25"	550	32.00"	24	1.63"

FLANGES

ANSI B16.5 CLASS 300 SOCKET-WELD FLANGES



Nominal Pipe Size	Outside Diameter (O)	Thick-ness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Bore (B ₁)	Bore (B ₂)	Depth of Socket (D)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	1.38"	0.88"	1.50"	0.62"	0.88"	0.38"	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.69"	1.00"	1.88"	0.82"	1.09"	0.44"	3	3.25"	4	0.75"
1"	4.88"	0.69"	2.00"	1.06"	2.13"	1.05"	1.36"	0.50"	3	3.50"	4	0.75"
1 1/4"	5.25"	0.75"	2.50"	1.06"	2.50"	1.38"	1.70"	0.56"	4	3.88"	4	0.75"
1 1/2"	6.13"	0.81"	2.88"	1.19"	2.75"	1.61"	1.95"	0.63"	6	4.50"	4	0.88"
2"	6.50"	0.88"	3.63"	1.31"	3.31"	2.07"	2.44"	0.69"	7	5.00"	8	0.75"
2 1/2"	7.50"	1.00"	4.13"	1.50"	3.94"	2.47"	2.94"	0.75"	10	5.88"	8	0.88"
3"	8.25"	1.13"	5.00"	1.69"	4.63"	3.07"	3.57"	0.81"	13	6.63"	8	0.88"

All dimensions are in inches.

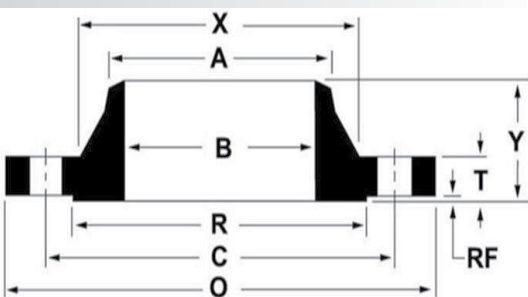
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available.

Standard Bore will be furnished unless otherwise specified.

FLANGES

ANSI B16.5 CLASS 400 WELDING NECK FLANGES



All dimensions are in inches.

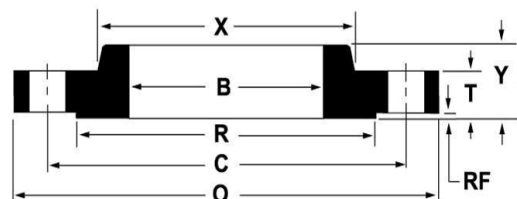
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	1.38"	2.06"	1.50"	Specified by Purchaser	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.69"	2.25"	1.88"		4	3.25"	4	0.75"
1"	4.88"	0.69"	2.00"	2.44"	2.13"		4	3.50"	4	0.75"
1 1/4"	5.25"	0.81"	2.50"	2.63"	2.50"		6	3.88"	4	0.75"
1 1/2"	6.13"	0.88"	2.88"	2.75"	2.75"		8	4.50"	4	0.88"
2"	6.50"	1.00"	3.63"	2.88"	3.31"		12	5.00"	8	0.75"
2 1/2"	7.50"	1.13"	4.13"	3.13"	3.94"		18	5.88"	8	0.88"
3"	8.25"	1.25"	5.00"	3.25"	4.63"		23	6.63"	8	0.88"
3 1/2"	9.00"	1.38"	5.50"	3.38"	5.25"		26	7.25"	8	1.00"
4"	10.00"	1.38"	6.19"	3.50"	5.75"		35	7.88"	8	1.00"
5"	11.00"	1.50"	7.31"	4.00"	7.00"		43	9.25"	8	1.00"
6"	12.50"	1.63"	8.50"	4.06"	8.13"		57	10.63"	12	1.00"
8"	15.00"	1.88"	10.63"	4.63"	10.25"		89	13.00"	12	1.13"
10"	17.50"	2.13"	12.75"	4.88"	12.63"		125	15.25"	16	1.25"
12"	20.50"	2.25"	15.00"	5.38"	14.75"		175	17.75"	16	1.38"
14"	23.00"	2.38"	16.25"	5.88"	16.75"		230	20.25"	20	1.38"
16"	25.50"	2.50"	18.50"	6.00"	19.00"		295	22.50"	20	1.50"
18"	28.00"	2.63"	21.00"	6.50"	21.00"		350	24.75"	24	1.50"
20"	30.50"	2.75"	23.00"	6.63"	23.13"		425	27.00"	24	1.63"
22"	33.00"	2.88"	25.25"	6.75"	25.25"		505	29.25"	24	1.75"
24"	36.00"	3.00"	27.25"	6.88"	27.63"		620	32.00"	24	1.88"

FLANGES

ANSI B16.5 CLASS 400 SLIP-ON FLANGES



All dimensions are in inches.

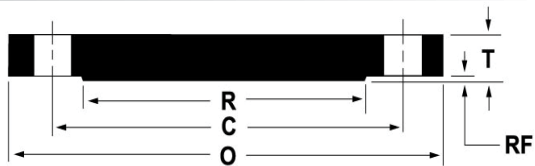
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	1.38"	0.88"	1.50"	0.88"	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.69"	1.00"	1.88"	1.09"	3	3.25"	4	0.75"
1"	4.88"	0.69"	2.00"	1.06"	2.13"	1.36"	4	3.50"	4	0.75"
1 1/4"	5.25"	0.81"	2.50"	1.13"	2.50"	1.70"	5	3.88"	4	0.75"
1 1/2"	6.13"	0.88"	2.88"	1.25"	2.75"	1.95"	7	4.50"	4	0.88"
2"	6.50"	1.00"	3.63"	1.44"	3.31"	2.44"	9	5.00"	8	0.75"
2 1/2"	7.50"	1.13"	4.13"	1.63"	3.94"	2.94"	13	5.88"	8	0.88"
3"	8.25"	1.25"	5.00"	1.81"	4.63"	3.57"	16	6.63"	8	0.88"
3 1/2"	9.00"	1.38"	5.50"	1.94"	5.25"	4.07"	21	7.25"	8	1.00"
4"	10.00"	1.38"	6.19"	2.00"	5.75"	4.57"	26	7.88"	8	1.00"
5"	11.00"	1.50"	7.31"	2.13"	7.00"	5.66"	31	9.25"	8	1.00"
6"	12.50"	1.63"	8.50"	2.25"	8.13"	6.72"	44	10.63"	12	1.00"
8"	15.00"	1.88"	10.63"	2.69"	10.25"	8.72"	67	13.00"	12	1.13"
10"	17.50"	2.13"	12.75"	2.88"	12.63"	10.88"	91	15.25"	16	1.25"
12"	20.50"	2.25"	15.00"	3.13"	14.75"	12.88"	130	17.75"	16	1.38"
14"	23.00"	2.38"	16.25"	3.31"	16.75"	14.14"	180	20.25"	20	1.38"
16"	25.50"	2.50"	18.50"	3.69"	19.00"	16.16"	235	22.50"	20	1.50"
18"	28.00"	2.63"	21.00"	3.88"	21.00"	18.18"	285	24.75"	24	1.50"
20"	30.50"	2.75"	23.00"	4.00"	23.13"	20.20"	345	27.00"	24	1.63"
22"	33.00"	2.88"	25.25"	4.25"	25.25"	22.22"	405	29.25"	24	1.75"
24"	36.00"	3.00"	27.25"	4.50"	27.63"	24.25"	510	32.00"	24	1.88"

FLANGES

ANSI B16.5 CLASS 400 BLIND FLANGES



All dimensions are in inches.

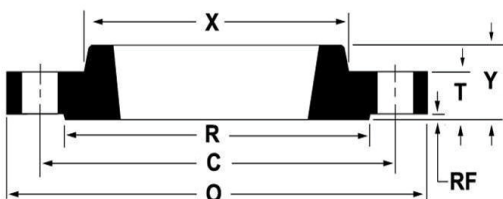
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	1.38"	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.69"	3	3.25"	4	0.75"
1"	4.88"	0.69"	2.00"	4	3.50"	4	0.75"
1 1/4"	5.25"	0.81"	2.50"	5	3.88"	4	0.75"
1 1/2"	6.13"	0.88"	2.88"	8	4.50"	4	0.88"
2"	6.50"	1.00"	3.63"	10	5.00"	8	0.75"
2 1/2"	7.50"	1.13"	4.13"	15	5.88"	8	0.88"
3"	8.25"	1.25"	5.00"	20	6.63"	8	0.88"
3 1/2"	9.00"	1.38"	5.50"	29	7.25"	8	1.00"
4"	10.00"	1.38"	6.19"	33	7.88"	8	1.00"
5"	11.00"	1.50"	7.31"	44	9.25"	8	1.00"
6"	12.50"	1.63"	8.50"	61	10.63"	12	1.00"
8"	15.00"	1.88"	10.63"	100	13.00"	12	1.13"
10"	17.50"	2.13"	12.75"	155	15.25"	16	1.25"
12"	20.50"	2.25"	15.00"	225	17.75"	16	1.38"
14"	23.00"	2.38"	16.25"	290	20.25"	20	1.38"
16"	25.50"	2.50"	18.50"	370	22.50"	20	1.50"
18"	28.00"	2.63"	21.00"	455	24.75"	24	1.50"
20"	30.50"	2.75"	23.00"	587	27.00"	24	1.63"
22"	33.00"	2.88"	25.25"	720	29.25"	24	1.75"
24"	36.00"	3.00"	27.25"	890	32.00"	24	1.88"

FLANGES

ANSI B16.5 CLASS 400 THREADED FLANGES



All dimensions are in inches.

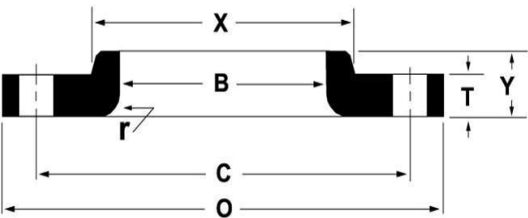
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	1.38"	0.88"	1.50"	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.69"	1.00"	1.88"	3	3.25"	4	0.75"
1"	4.88"	0.69"	2.00"	1.06"	2.13"	4	3.50"	4	0.75"
1 1/4"	5.25"	0.81"	2.50"	1.13"	2.50"	5	3.88"	4	0.75"
1 1/2"	6.13"	0.88"	2.88"	1.25"	2.75"	7	4.50"	4	0.88"
2"	6.50"	1.00"	3.63"	1.44"	3.31"	9	5.00"	8	0.75"
2 1/2"	7.50"	1.13"	4.13"	1.63"	3.94"	13	5.88"	8	0.88"
3"	8.25"	1.25"	5.00"	1.81"	4.63"	16	6.63"	8	0.88"
3 1/2"	9.00"	1.38"	5.50"	1.94"	5.25"	21	7.25"	8	1.00"
4"	10.00"	1.38"	6.19"	2.00"	5.75"	26	7.88"	8	1.00"
5"	11.00"	1.50"	7.31"	2.13"	7.00"	31	9.25"	8	1.00"
6"	12.50"	1.63"	8.50"	2.25"	8.13"	44	10.63"	12	1.00"
8"	15.00"	1.88"	10.63"	2.69"	10.25"	67	13.00"	12	1.13"
10"	17.50"	2.13"	12.75"	2.88"	12.63"	91	15.25"	16	1.25"
12"	20.50"	2.25"	15.00"	3.13"	14.75"	130	17.75"	16	1.38"
14"	23.00"	2.38"	16.25"	3.31"	16.75"	180	20.25"	20	1.38"
16"	25.50"	2.50"	18.50"	3.69"	19.00"	235	22.50"	20	1.50"
18"	28.00"	2.63"	21.00"	3.88"	21.00"	285	24.75"	24	1.50"
20"	30.50"	2.75"	23.00"	4.00"	23.13"	345	27.00"	24	1.63"
22"	33.00"	2.88"	25.25"	4.25"	25.25"	405	29.25"	24	1.75"
24"	36.00"	3.00"	27.25"	4.50"	27.63"	510	32.00"	24	1.88"

FLANGES

ANSI B16.5 CLASS 400 LAP JOINT FLANGES



All dimensions are in inches.

^a These flanges will be furnished with a 1/4" raised face unless otherwise specified.

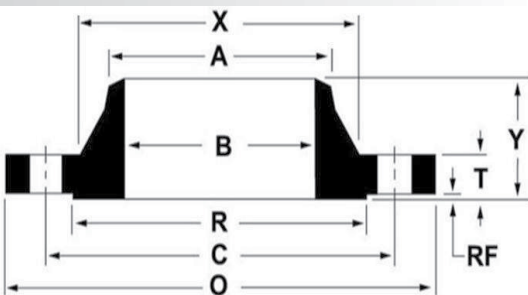
Flat face option available.

Standard Bore will be furnished unless otherwise specified.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Length Thru Hub (Y)	Hub Diameter (X)	Radius (r)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	1.38"	0.88"	0.13"	0.90"	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.69"	1.00"	0.13"	1.11"	3	3.25"	4	0.75"
1"	4.88"	0.69"	2.00"	1.06"	0.13"	1.38"	4	3.50"	4	0.75"
1 1/4"	5.25"	0.81"	2.50"	1.13"	0.19"	1.72"	5	3.88"	4	0.75"
1 1/2"	6.13"	0.88"	2.88"	1.25"	0.25"	1.97"	7	4.50"	4	0.88"
2"	6.50"	1.00"	3.63"	1.44"	0.31"	2.46"	9	5.00"	8	0.75"
2 1/2"	7.50"	1.13"	4.13"	1.63"	0.31"	2.97"	12	5.88"	8	0.88"
3"	8.25"	1.25"	5.00"	1.81"	0.38"	3.60"	15	6.63"	8	0.88"
3 1/2"	9.00"	1.38"	5.50"	1.94"	0.38"	4.10"	20	7.25"	8	1.00"
4"	10.00"	1.38"	2.00"	5.75"	0.44"	4.60"	25	7.88"	8	1.00"
5"	11.00"	1.50"	2.13"	7.00"	0.44"	5.69"	29	9.25"	8	1.00"
6"	12.50"	1.63"	2.25"	8.13"	0.50"	6.75"	42	10.63"	12	1.00"
8"	15.00"	1.88"	2.69"	10.25"	0.50"	8.75"	64	13.00"	12	1.13"
10"	17.50"	2.13"	4.00"	12.63"	0.50"	10.92"	110	15.25"	16	1.25"
12"	20.50"	2.25"	4.25"	14.75"	0.50"	12.92"	150	17.75"	16	1.38"
14"	23.00"	2.38"	4.63"	16.75"	0.50"	14.18"	205	20.25"	20	1.38"
16"	25.50"	2.50"	5.00"	19.00"	0.50"	16.19"	260	22.50"	20	1.50"
18"	28.00"	2.63"	5.38"	21.00"	0.50"	18.20"	315	24.75"	24	1.50"
20"	30.50"	2.75"	5.75"	23.13"	0.50"	20.25"	385	27.00"	24	1.63"
22"	33.00"	2.88"	6.00"	25.25"	0.50"	22.25"	455	29.25"	24	1.75"
24"	36.00"	3.00"	6.25"	27.63"	0.50"	24.25"	570	32.00"	24	1.88"

FLANGES

ANSI B16.5 CLASS 600 WELDING NECK FLANGES



All dimensions are in inches.

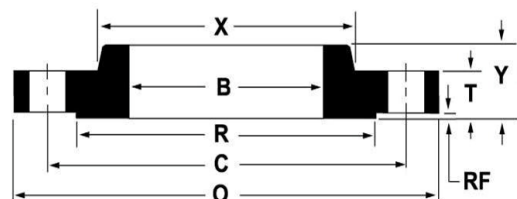
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Point of Weld (A)	Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	1.38"	2.06"	0.84"	1.50"	Specified by Purchaser	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.69"	2.25"	1.05"	1.88"		4	3.25"	4	0.75"
1"	4.88"	0.69"	2.00"	2.44"	1.32"	2.13"		4	3.50"	4	0.75"
1 1/4"	5.25"	0.81"	2.50"	2.63"	1.66"	2.50"		6	3.88"	4	0.75"
1 1/2"	6.13"	0.88"	2.88"	2.75"	1.90"	2.75"		8	4.50"	4	0.88"
2"	6.50"	1.00"	3.63"	2.88"	2.38"	3.31"		12	5.00"	8	0.75"
2 1/2"	7.50"	1.13"	4.13"	3.13"	2.88"	3.94"		18	5.88"	8	0.88"
3"	8.25"	1.25"	5.00"	3.25"	3.50"	4.63"		23	6.63"	8	0.88"
3 1/2"	9.00"	1.38"	5.50"	3.38"	4.00"	5.25"		26	7.25"	8	1.00"
4"	10.75"	1.50"	6.19"	4.00"	4.50"	6.00"		42	8.50"	8	1.00"
5"	13.00"	1.75"	7.31"	4.50"	5.56"	7.44"		68	10.50"	8	1.13"
6"	14.00"	1.88"	8.50"	4.63"	6.63"	8.75"		81	11.50"	12	1.13"
8"	16.50"	2.19"	10.63"	5.25"	8.63"	10.75"		120	13.75"	12	1.25"
10"	20.00"	2.50"	12.75"	6.00"	10.75"	13.50"		190	17.00"	16	1.38"
12"	22.00"	2.63"	15.00"	6.13"	12.75"	15.75"		225	19.25"	20	1.38"
14"	23.75"	2.75"	16.25"	6.50"	14.00"	17.00"		280	20.75"	20	1.50"
16"	27.00"	3.00"	18.50"	7.00"	16.00"	19.50"		390	23.75"	20	1.63"
18"	29.25"	3.25"	21.00"	7.25"	18.00"	21.50"		475	25.75"	20	1.75"
20"	32.00"	3.50"	23.00"	7.50"	20.00"	24.00"		590	28.50"	24	1.75"
22"	34.25"	3.75"	25.25"	7.75"	22.00"	26.25"		720	30.63"	24	1.88"
24"	37.00"	4.00"	27.25"	8.00"	24.00"	28.25"		830	33.00"	24	2.00"

FLANGES

ANSI B16.5 CLASS 600 SLIP-ON FLANGES



All dimensions are in inches.

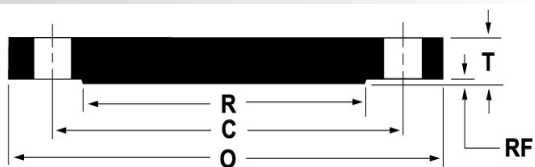
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	1.38"	0.88"	1.50"	0.88"	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.69"	1.00"	1.88"	1.09"	3	3.25"	4	0.75"
1"	4.88"	0.69"	2.00"	1.06"	2.13"	1.36"	4	3.50"	4	0.75"
1 1/4"	5.25"	0.81"	2.50"	1.13"	2.50"	1.70"	5	3.88"	4	0.75"
1 1/2"	6.13"	0.88"	2.88"	1.25"	2.75"	1.95"	7	4.50"	4	0.88"
2"	6.50"	1.00"	3.63"	1.44"	3.31"	2.44"	9	5.00"	8	0.75"
2 1/2"	7.50"	1.13"	4.13"	1.63"	3.94"	2.94"	13	5.88"	8	0.88"
3"	8.25"	1.25"	5.00"	1.81"	4.63"	3.57"	16	6.63"	8	0.88"
3 1/2"	9.00"	1.38"	5.50"	1.94"	5.25"	4.07"	21	7.25"	8	1.00"
4"	10.75"	1.50"	6.19"	2.13"	6.00"	4.57"	37	8.50"	8	1.00"
5"	13.00"	1.75"	7.31"	2.38"	7.44"	5.66"	63	10.50"	8	1.13"
6"	14.00"	1.88"	8.50"	2.63"	8.75"	6.72"	80	11.50"	12	1.13"
8"	16.50"	2.19"	10.63"	3.00"	10.75"	8.72"	115	13.75"	12	1.25"
10"	20.00"	2.50"	12.75"	3.38"	13.50"	10.88"	170	17.00"	16	1.38"
12"	22.00"	2.63"	15.00"	3.63"	15.75"	12.88"	200	19.25"	20	1.38"
14"	23.75"	2.75"	16.25"	3.69"	17.00"	14.14"	230	20.75"	20	1.50"
16"	27.00"	3.00"	18.50"	4.19"	19.50"	16.16"	330	23.75"	20	1.63"
18"	29.25"	3.25"	21.00"	4.63"	21.50"	18.18"	400	25.75"	20	1.75"
20"	32.00"	3.50"	23.00"	5.00"	24.00"	20.20"	510	28.50"	24	1.75"
22"	34.25"	3.75"	25.25"	5.25"	26.25"	22.22"	590	30.63"	24	1.88"
24"	37.00"	4.00"	27.25"	5.50"	28.25"	24.25"	730	33.00"	24	2.00"

FLANGES

ANSI B16.5 CLASS 600 BLIND FLANGES



All dimensions are in inches.

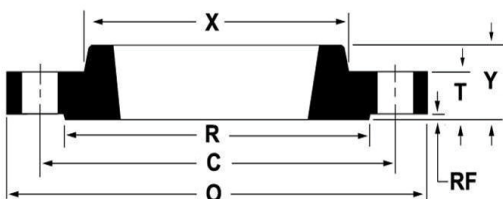
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	1.38"	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.69"	3	3.25"	4	0.75"
1"	4.88"	0.69"	2.00"	4	3.50"	4	0.75"
1 1/4"	5.25"	0.81"	2.50"	5	3.88"	4	0.75"
1 1/2"	6.13"	0.88"	2.88"	8	4.50"	4	0.88"
2"	6.50"	1.00"	3.63"	10	5.00"	8	0.75"
2 1/2"	7.50"	1.13"	4.13"	15	5.88"	8	0.88"
3"	8.25"	1.25"	5.00"	20	6.63"	8	0.88"
3 1/2"	9.00"	1.38"	5.50"	29	7.25"	8	1.00"
4"	10.75"	1.50"	6.19"	41	8.50"	8	1.00"
5"	13.00"	1.75"	7.31"	68	10.50"	8	1.13"
6"	14.00"	1.88"	8.50"	86	11.50"	12	1.13"
8"	16.50"	2.19"	10.63"	140	13.75"	12	1.25"
10"	20.00"	2.50"	12.75"	230	17.00"	16	1.38"
12"	22.00"	2.63"	15.00"	295	19.25"	20	1.38"
14"	23.75"	2.75"	16.25"	355	20.75"	20	1.50"
16"	27.00"	3.00"	18.50"	495	23.75"	20	1.63"
18"	29.25"	3.25"	21.00"	630	25.75"	20	1.75"
20"	32.00"	3.50"	23.00"	810	28.50"	24	1.75"
22"	34.25"	3.75"	25.25"	1000	30.63"	24	1.88"
24"	37.00"	4.00"	27.25"	1250	33.00"	24	2.00"

FLANGES

ANSI B16.5 CLASS 600 THREADED FLANGES



All dimensions are in inches.

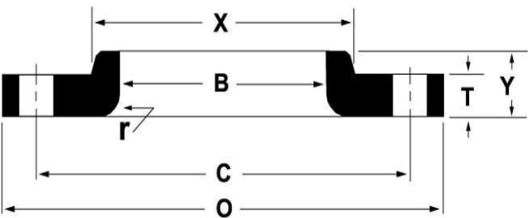
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	1.38"	0.88"	1.50"	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.69"	1.00"	1.88"	3	3.25"	4	0.75"
1"	4.88"	0.69"	2.00"	1.06"	2.13"	4	3.50"	4	0.75"
1 1/4"	5.25"	0.81"	2.50"	1.13"	2.50"	5	3.88"	4	0.75"
1 1/2"	6.13"	0.88"	2.88"	1.25"	2.75"	7	4.50"	4	0.88"
2"	6.50"	1.00"	3.63"	1.44"	3.31"	9	5.00"	8	0.75"
2 1/2"	7.50"	1.13"	4.13"	1.63"	3.94"	13	5.88"	8	0.88"
3"	8.25"	1.25"	5.00"	1.81"	4.63"	16	6.63"	8	0.88"
3 1/2"	9.00"	1.38"	5.50"	1.94"	5.25"	21	7.25"	8	1.00"
4"	10.75"	1.50"	6.19"	2.13"	6.00"	37	8.50"	8	1.00"
5"	13.00"	1.75"	7.31"	2.38"	7.44"	63	10.50"	8	1.13"
6"	14.00"	1.88"	8.50"	2.63"	8.75"	80	11.50"	12	1.13"
8"	16.50"	2.19"	10.63"	3.00"	10.75"	115	13.75"	12	1.25"
10"	20.00"	2.50"	12.75"	3.38"	13.50"	170	17.00"	16	1.38"
12"	22.00"	2.63"	15.00"	3.63"	15.75"	200	19.25"	20	1.38"
14"	23.75"	2.75"	16.25"	3.69"	17.00"	230	20.75"	20	1.50"
16"	27.00"	3.00"	18.50"	4.19"	19.50"	330	23.75"	20	1.63"
18"	29.25"	3.25"	21.00"	4.63"	21.50"	400	25.75"	20	1.75"
20"	32.00"	3.50"	23.00"	5.00"	24.00"	510	28.50"	24	1.75"
22"	34.25"	3.75"	25.25"	5.25"	26.25"	590	30.63"	24	1.88"
24"	37.00"	4.00"	27.25"	5.50"	28.25"	730	33.00"	24	2.00"

FLANGES

ANSI B16.5 CLASS 600 LAP JOINT FLANGES

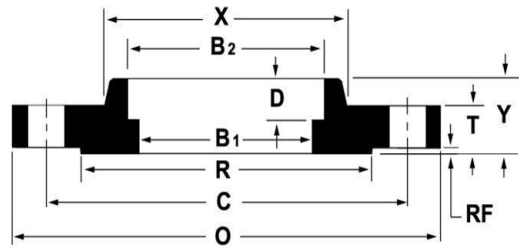


All dimensions are in inches.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Length Thru Hub (Y)	Hub Diameter (X)	Radius (r)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	0.88"	1.50"	0.13"	0.90"	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.00"	1.88"	0.13"	1.11"	3	3.25"	4	0.75"
1"	4.88"	0.69"	1.06"	2.13"	0.13"	1.38"	4	3.50"	4	0.75"
1 1/4"	5.25"	0.81"	1.13"	2.50"	0.19"	1.72"	5	3.88"	4	0.75"
1 1/2"	6.13"	0.88"	1.25"	2.75"	0.25"	1.97"	7	4.50"	4	0.88"
2"	6.50"	1.00"	1.44"	3.31"	0.31"	2.46"	9	5.00"	8	0.75"
2 1/2"	7.50"	1.13"	1.63"	3.94"	0.31"	2.97"	12	5.88"	8	0.88"
3"	8.25"	1.25"	1.81"	4.63"	0.38"	3.60"	15	6.63"	8	0.88"
3 1/2"	9.00"	1.38"	1.94"	5.25"	0.38"	4.10"	20	7.25"	8	1.00"
4"	10.75"	1.50"	2.13"	6.00"	0.44"	4.60"	36	8.50"	8	1.00"
5"	13.00"	1.75"	2.38"	7.44"	0.44"	5.69"	61	10.50"	8	1.13"
6"	14.00"	1.88"	2.63"	8.75"	0.50"	6.75"	78	11.50"	12	1.13"
8"	16.50"	2.19"	3.00"	10.75"	0.50"	8.75"	110	13.75"	12	1.25"
10"	20.00"	2.50"	4.38"	13.50"	0.50"	10.92"	170	17.00"	16	1.38"
12"	22.00"	2.63"	4.63"	15.75"	0.50"	12.92"	200	19.25"	20	1.38"
14"	23.75"	2.75"	5.00"	17.00"	0.50"	14.18"	250	20.75"	20	1.50"
16"	27.00"	3.00"	5.50"	19.50"	0.50"	16.19"	365	23.75"	20	1.63"
18"	29.25"	3.25"	6.00"	21.50"	0.50"	18.20"	435	25.75"	20	1.75"
20"	32.00"	3.50"	6.50"	24.00"	0.50"	20.25"	570	28.50"	24	1.75"
22"	34.25"	3.75"	6.88"	26.25"	0.50"	22.25"	670	30.63"	24	1.88"
24"	37.00"	4.00"	7.25"	28.25"	0.50"	24.25"	810	33.00"	24	2.00"

FLANGES

ANSI B16.5 CLASS 600 SOCKET-WELD FLANGES



All dimensions are in inches.

These flanges will be supplied with a 1/16" raised face unless otherwise specified.

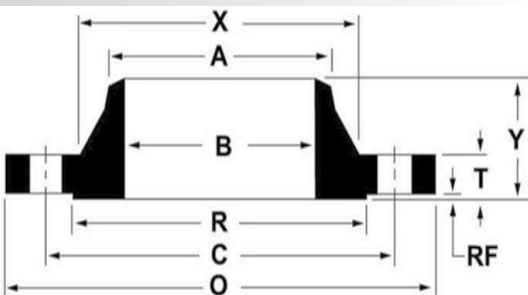
Flat face option available.

Standard Bore will be furnished unless otherwise specified.

Nominal Pipe Size	Outside Diameter (O)	Thick-ness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Bore (B ₁)	Bore (B ₂)	Depth of Socket (D)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	3.75"	0.56"	1.38"	0.88"	1.50"	Specified by Purchaser	0.88"	0.38"	2	2.63"	4	0.63"
3/4"	4.63"	0.63"	1.69"	1.00"	1.88"	Specified by Purchaser	1.09"	0.44"	3	3.25"	4	0.75"
1"	4.88"	0.69"	2.00"	1.06"	2.13"	Specified by Purchaser	1.36"	0.50"	4	3.50"	4	0.75"
1 1/4"	5.25"	0.81"	2.50"	1.13"	2.50"	Specified by Purchaser	1.70"	0.56"	5	3.88"	4	0.75"
1 1/2"	6.13"	0.88"	2.88"	1.25"	2.75"	Specified by Purchaser	1.95"	0.63"	7	4.50"	4	0.88"
2"	6.50"	1.00"	3.63"	1.44"	3.31"	Specified by Purchaser	2.44"	0.69"	9	5.00"	8	0.75"
2 1/2"	7.50"	1.13"	4.13"	1.63"	3.94"	Specified by Purchaser	2.94"	0.75"	13	5.88"	8	0.88"
3"	8.25"	1.25"	5.00"	1.81"	4.63"	Specified by Purchaser	3.57"	0.81"	16	6.63"	8	0.88"

FLANGES

ANSI B16.5 CLASS 900 WELDING NECK FLANGES



All dimensions are in inches.

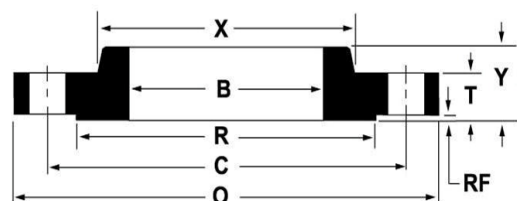
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	4.75"	0.88"	1.38"	2.38"	1.50"	Specified by Purchaser	5	3.25"	4	0.88"
3/4"	5.13"	1.00"	1.69"	2.75"	1.75"		6	3.50"	4	0.88"
1"	5.88"	1.13"	2.00"	2.88"	2.06"		9	4.00"	4	1.00"
1 1/4"	6.25"	1.13"	2.50"	2.88"	2.50"		10	4.38"	4	1.00"
1 1/2"	7.00"	1.25"	2.88"	3.25"	2.75"		13	4.88"	4	1.13"
2"	8.50"	1.50"	3.63"	4.00"	4.13"		25	6.50"	8	1.00"
2 1/2"	9.63"	1.63"	4.13"	4.06"	4.88"		36	7.50"	8	1.13"
3"	9.50"	1.50"	5.00"	4.00"	5.00"		31	7.50"	8	1.00"
4"	11.50"	1.75"	6.19"	4.50"	6.25"		53	9.25"	8	1.25"
5"	13.75"	2.00"	7.31"	5.00"	7.50"		86	11.00"	8	1.38"
6"	15.00"	2.19"	8.50"	5.50"	9.25"		110	12.50"	12	1.25"
8"	18.50"	2.50"	10.63"	6.38"	11.75"		175	15.50"	12	1.50"
10"	21.50"	2.75"	12.75"	7.25"	14.50"		260	18.50"	16	1.50"
12"	24.00"	3.13"	15.00"	7.88"	16.50"		325	21.00"	20	1.50"
14"	25.25"	3.38"	16.25"	8.38"	17.75"		400	22.00"	20	1.63"
16"	27.75"	3.50"	18.50"	8.50"	20.00"		495	24.25"	20	1.75"
18"	31.00"	4.00"	21.00"	9.00"	22.25"		680	27.00"	20	2.00"
20"	33.75"	4.25"	23.00"	9.75"	24.50"		830	29.50"	20	2.13"
24"	41.00"	5.50"	27.25"	11.50"	29.50"		1500	35.50"	20	2.63"

FLANGES

ANSI B16.5 CLASS 900 SLIP-ON FLANGES



All dimensions are in inches.

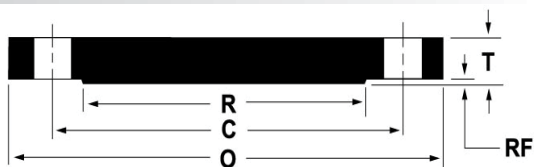
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	4.75"	0.88"	1.38"	1.25"	1.50"	0.88"	4	3.25"	4	0.88"
3/4"	5.13"	1.00"	1.69"	1.38"	1.75"	1.09"	5	3.50"	4	0.88"
1"	5.88"	1.13"	2.00"	1.63"	2.06"	1.36"	8	4.00"	4	1.00"
1 1/4"	6.25"	1.13"	2.50"	1.63"	2.50"	1.70"	9	4.38"	4	1.00"
1 1/2"	7.00"	1.25"	2.88"	1.75"	2.75"	1.95"	12	4.88"	4	1.13"
2"	8.50"	1.50"	3.63"	2.25"	4.13"	2.44"	25	6.50"	8	1.00"
2 1/2"	9.63"	1.63"	4.13"	2.50"	4.88"	2.94"	36	7.50"	8	1.13"
3"	9.50"	1.50"	5.00"	2.13"	5.00"	3.57"	26	7.50"	8	1.00"
4"	11.50"	1.75"	6.19"	2.75"	6.25"	4.57"	53	9.25"	8	1.25"
5"	13.75"	2.00"	7.31"	3.13"	7.50"	5.66"	83	11.00"	8	1.38"
6"	15.00"	2.19"	8.50"	3.38"	9.25"	6.72"	110	12.50"	12	1.25"
8"	18.50"	2.50"	10.63"	4.00"	11.75"	8.72"	170	15.50"	12	1.50"
10"	21.50"	2.75"	12.75"	4.25"	14.50"	10.88"	245	18.50"	16	1.50"
12"	24.00"	3.13"	15.00"	4.63"	16.50"	12.88"	325	21.00"	20	1.50"
14"	25.25"	3.38"	16.25"	5.13"	17.75"	14.14"	400	22.00"	20	1.63"
16"	27.75"	3.50"	18.50"	5.25"	20.00"	16.16"	425	24.25"	20	1.75"
18"	31.00"	4.00"	21.00"	6.00"	22.25"	18.18"	600	27.00"	20	2.00"
20"	33.75"	4.25"	23.00"	6.25"	24.50"	20.20"	730	29.50"	20	2.13"
24"	41.00"	5.50"	27.25"	8.00"	29.50"	24.25"	1400	35.50"	20	2.63"

FLANGES

ANSI B16.5 CLASS 900 BLIND FLANGES



All dimensions are in inches.

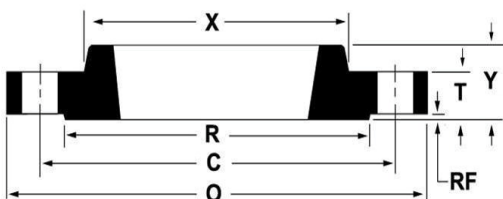
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
1/2"	4.75"	0.88"	1.38"	4	3.25"	4	0.88"
3/4"	5.13"	1.00"	1.69"	6	3.50"	4	0.88"
1"	5.88"	1.13"	2.00"	8	4.00"	4	1.00"
1 1/4"	6.25"	1.13"	2.50"	9	4.38"	4	1.00"
1 1/2"	7.00"	1.25"	2.88"	13	4.88"	4	1.13"
2"	8.50"	1.50"	3.63"	25	6.50"	8	1.00"
2 1/2"	9.63"	1.63"	4.13"	35	7.50"	8	1.13"
3"	9.50"	1.50"	5.00"	29	7.50"	8	1.00"
4"	11.50"	1.75"	6.19"	54	9.25"	8	1.25"
5"	13.75"	2.00"	7.31"	87	11.00"	8	1.38"
6"	15.00"	2.19"	8.50"	115	12.50"	12	1.25"
8"	18.50"	2.50"	10.63"	200	15.50"	12	1.50"
10"	21.50"	2.75"	12.75"	290	18.50"	16	1.50"
12"	24.00"	3.13"	15.00"	415	21.00"	20	1.50"
14"	25.25"	3.38"	16.25"	520	22.00"	20	1.63"
16"	27.75"	3.50"	18.50"	600	24.25"	20	1.75"
18"	31.00"	4.00"	21.00"	850	27.00"	20	2.00"
20"	33.75"	4.25"	23.00"	1075	29.50"	20	2.13"
24"	41.00"	5.50"	27.25"	2025	35.50"	20	2.63"

FLANGES

ANSI B16.5 CLASS 900 THREADED FLANGES



All dimensions are in inches.

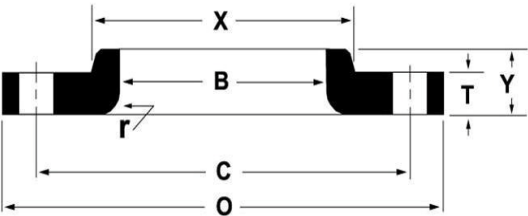
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	4.75"	0.88"	1.38"	1.25"	1.50"	4	3.25"	4	0.88"
3/4"	5.13"	1.00"	1.69"	1.38"	1.75"	5	3.50"	4	0.88"
1"	5.88"	1.13"	2.00"	1.63"	2.06"	8	4.00"	4	1.00"
1 1/4"	6.25"	1.13"	2.50"	1.63"	2.50"	9	4.38"	4	1.00"
1 1/2"	7.00"	1.25"	2.88"	1.75"	2.75"	12	4.88"	4	1.13"
2"	8.50"	1.50"	3.63"	2.25"	4.13"	25	6.50"	8	1.00"
2 1/2"	9.63"	1.63"	4.13"	2.50"	4.88"	36	7.50"	8	1.13"
3"	9.50"	1.50"	5.00"	2.13"	5.00"	26	7.50"	8	1.00"
4"	11.50"	1.75"	6.19"	2.75"	6.25"	53	9.25"	8	1.25"
5"	13.75"	2.00"	7.31"	3.13"	7.50"	83	11.00"	8	1.38"
6"	15.00"	2.19"	8.50"	3.38"	9.25"	110	12.50"	12	1.25"
8"	18.50"	2.50"	10.63"	4.00"	11.75"	170	15.50"	12	1.50"
10"	21.50"	2.75"	12.75"	4.25"	14.50"	245	18.50"	16	1.50"
12"	24.00"	3.13"	15.00"	4.63"	16.50"	325	21.00"	20	1.50"
14"	25.25"	3.38"	16.25"	5.13"	17.75"	400	22.00"	20	1.63"
16"	27.75"	3.50"	18.50"	5.25"	20.00"	425	24.25"	20	1.75"
18"	31.00"	4.00"	21.00"	6.00"	22.25"	600	27.00"	20	2.00"
20"	33.75"	4.25"	23.00"	6.25"	24.50"	730	29.50"	20	2.13"
24"	41.00"	5.50"	27.25"	8.00"	29.50"	1400	35.50"	20	2.63"

FLANGES

ANSI B16.5 CLASS 900 LAP JOINT FLANGES

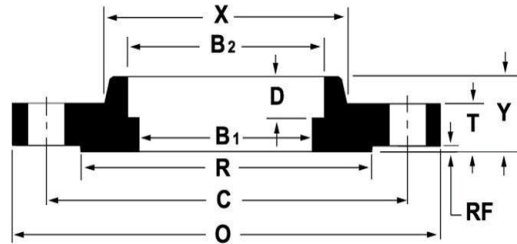


All dimensions are in inches.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Length Thru Hub (Y)	Hub Diameter (X)	Radius (r)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	4.75"	0.88"	1.38"	1.25"	0.13"	1.50"	0.9	4.00"	3.25	4.00"
3/4"	5.13"	1.00"	1.69"	1.38"	0.13"	1.75"	1.11	5.00"	3.5	4.00"
1"	5.88"	1.13"	2.00"	1.63"	0.13"	2.06"	1.38	8.00"	4	4.00"
1 1/4"	6.25"	1.13"	2.50"	1.63"	0.19"	2.50"	1.72	9.00"	4.38	4.00"
1 1/2"	7.00"	1.25"	2.88"	1.75"	0.25"	2.75"	1.97	12.00"	4.88	4.00"
2"	8.50"	1.50"	3.63"	2.25"	0.31"	4.13"	2.46	25.00"	6.5	8.00"
2 1/2"	9.63"	1.63"	4.13"	2.50"	0.31"	4.88"	2.97	35.00"	7.5	8.00"
3"	9.50"	1.50"	2.13"	5.00"	0.38"	3.60"	25	7.50"	8	1.00"
4"	11.50"	1.75"	2.75"	6.25"	0.44"	4.60"	51	9.25"	8	1.25"
5"	13.75"	2.00"	3.13"	7.50"	0.50"	5.69"	81	11.00"	8	1.38"
6"	15.00"	2.19"	3.38"	9.25"	0.50"	6.75"	105	12.50"	12	1.25"
8"	18.50"	2.50"	4.50"	11.75"	0.50"	8.75"	190	15.50"	12	1.50"
10"	21.50"	2.75"	5.00"	14.50"	0.50"	10.92"	275	18.50"	16	1.50"
12"	24.00"	3.13"	5.63"	16.50"	0.50"	12.92"	370	21.00"	20	1.50"
14"	25.25"	3.38"	6.13"	17.75"	0.50"	14.18"	415	22.00"	20	1.63"
16"	27.75"	3.50"	6.50"	20.00"	0.50"	16.19"	465	24.25"	20	1.75"
18"	31.00"	4.00"	7.50"	22.25"	0.50"	18.20"	650	27.00"	20	2.00"
20"	33.75"	4.25"	8.25"	24.50"	0.50"	20.25"	810	29.50"	20	2.13"
24"	41.00"	5.50"	10.50"	29.50"	0.50"	24.25"	1550	35.50"	20	2.63"

FLANGES

ANSI B16.5 CLASS 900 SOCKET-WELD FLANGES



All dimensions are in inches.

These flanges will be supplied with a 1/16" raised face unless otherwise specified.

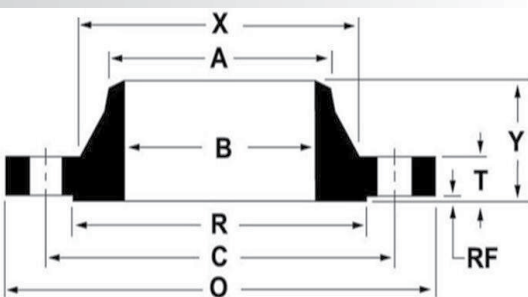
Flat face option available.

Standard Bore will be furnished unless otherwise specified.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Bore (B ₁)	Bore (B ₂)	Depth of Socket (D)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	4.75"	0.88"	1.38"	1.25"	1.50"	Specified by Purchaser	0.88"	0.38"	4	3.25"	4	0.88"
3/4"	5.13"	1.00"	1.69"	1.38"	1.75"	Specified by Purchaser	1.09"	0.44"	5	3.50"	4	0.88"
1"	5.88"	1.13"	2.00"	1.63"	2.06"	Specified by Purchaser	1.36"	0.50"	8	4.00"	4	1.00"
1 1/4"	6.25"	1.13"	2.50"	1.63"	2.50"	Specified by Purchaser	1.70"	0.56"	9	4.38"	4	1.00"
1 1/2"	7.00"	1.25"	2.88"	1.75"	2.75"	Specified by Purchaser	1.95"	0.63"	12	4.88"	4	1.13"
2"	8.50"	1.50"	3.63"	2.25"	4.13"	Specified by Purchaser	2.44"	0.69"	25	6.50"	8	1.00"
2 1/2"	9.63"	1.63"	4.13"	2.50"	4.88"	Specified by Purchaser	2.94"	0.75"	36	7.50"	8	1.13"

FLANGES

ANSI B16.5 CLASS 1500 WELDING NECK FLANGES



All dimensions are in inches.

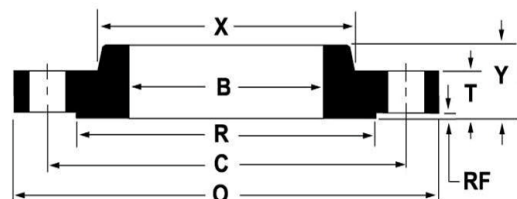
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Thick-ness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Point of Weld (A)	Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch		inch	inch	lbs	inch	count	inch
1/2"	4.75"	0.88"	1.38"	2.38"	0.84"	1.50"	Specified by Purchaser	5	3.25"	4	0.88"
3/4"	5.13"	1.00"	1.69"	2.75"	1.05"	1.75"		6	3.50"	4	0.88"
1"	5.88"	1.13"	2.00"	2.88"	1.32"	2.06"		9	4.00"	4	1.00"
1 1/4"	6.25"	1.13"	2.50"	2.88"	1.66"	2.50"		10	4.38"	4	1.00"
1 1/2"	7.00"	1.25"	2.88"	3.25"	1.90"	2.75"		13	4.88"	4	1.13"
2"	8.50"	1.50"	3.63"	4.00"	2.38"	4.13"		25	6.50"	8	1.00"
2 1/2"	9.63"	1.63"	4.13"	4.06"	2.88"	4.88"		36	7.50"	8	1.13"
3"	10.50"	1.88"	5.00"	4.63"	3.50"	5.25"		48	8.00"	8	1.25"
4"	12.25"	2.13"	6.19"	4.88"	4.50"	6.38"		73	9.50"	8	1.38"
5"	14.75"	2.88"	7.31"	6.13"	5.56"	7.75"		130	11.50"	8	1.63"
6"	15.50"	3.25"	8.50"	6.75"	6.63"	9.00"		165	12.50"	12	1.50"
8"	19.00"	3.63"	10.63"	8.38"	8.63"	11.50"		275	15.50"	12	1.75"
10"	23.00"	4.25"	12.75"	10.00"	10.75"	14.50"		455	19.00"	12	2.00"
12"	26.50"	4.88"	15.00"	11.13"	12.75"	17.75"		690	22.50"	16	2.13"
14"	29.50"	5.25"	16.25"	11.75"	14.00"	19.50"		940	25.00"	16	2.38"
16"	32.50"	5.75"	18.50"	12.25"	16.00"	21.75"		1250	27.75"	16	2.63"
18"	36.00"	6.38"	21.00"	12.88"	18.00"	23.50"		1625	30.50"	16	2.88"
20"	38.75"	7.00"	23.00"	14.00"	20.00"	25.25"		2050	32.75"	16	3.13"
24"	46.00"	8.00"	27.25"	16.00"	24.00"	30.00"		3325	39.00"	16	3.63"

FLANGES

ANSI B16.5 CLASS 1500 SLIP-ON FLANGES



All dimensions are in inches.

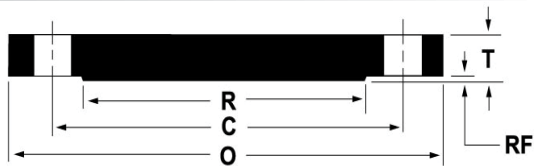
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	4.75"	0.88"	1.38"	1.25"	1.50"	0.88"	4	3.25"	4	0.88"
3/4"	5.13"	1.00"	1.69"	1.38"	1.75"	1.09"	5	3.50"	4	0.88"
1"	5.88"	1.13"	2.00"	1.63"	2.06"	1.36"	8	4.00"	4	1.00"
1 1/4"	6.25"	1.13"	2.50"	1.63"	2.50"	1.70"	9	4.38"	4	1.00"
1 1/2"	7.00"	1.25"	2.88"	1.75"	2.75"	1.95"	12	4.88"	4	1.13"
2"	8.50"	1.50"	3.63"	2.25"	4.13"	2.44"	25	6.50"	8	1.00"
2 1/2"	9.63"	1.63"	4.13"	2.50"	4.88"	2.94"	36	7.50"	8	1.13"
3"	10.50"	1.88"	5.00"	2.88"	5.25"	3.57"	48	8.00"	8	1.25"
4"	12.25"	2.13"	6.19"	3.56"	6.38"	4.57"	73	9.50"	8	1.38"
5"	14.75"	2.88"	7.31"	4.13"	7.75"	5.66"	130	11.50"	8	1.63"
6"	15.50"	3.25"	8.50"	4.69"	9.00"	6.72"	165	12.50"	12	1.50"
8"	19.00"	3.63"	10.63"	5.63"	11.50"	8.72"	260	15.50"	12	1.75"
10"	23.00"	4.25"	12.75"	6.25"	14.50"	10.88"	435	19.00"	12	2.00"
12"	26.50"	4.88"	15.00"	7.13"	17.75"	12.88"	580	22.50"	16	2.13"

FLANGES

ANSI B16.5 CLASS 1500 BLIND FLANGES



All dimensions are in inches.

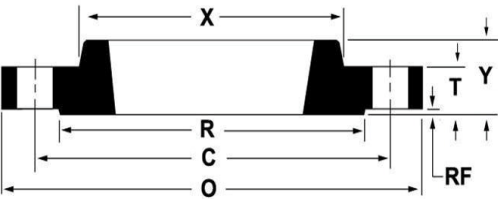
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
1/2"	4.75"	0.88"	1.38"	4	3.25"	4	0.88"
3/4"	5.13"	1.00"	1.69"	6	3.50"	4	0.88"
1"	5.88"	1.13"	2.00"	8	4.00"	4	1.00"
1 1/4"	6.25"	1.13"	2.50"	9	4.38"	4	1.00"
1 1/2"	7.00"	1.25"	2.88"	13	4.88"	4	1.13"
2"	8.50"	1.50"	3.63"	25	6.50"	8	1.00"
2 1/2"	9.63"	1.63"	4.13"	35	7.50"	8	1.13"
3"	10.50"	1.88"	5.00"	48	8.00"	8	1.25"
4"	12.25"	2.13"	6.19"	73	9.50"	8	1.38"
5"	14.75"	2.88"	7.31"	140	11.50"	8	1.63"
6"	15.50"	3.25"	8.50"	160	12.50"	12	1.50"
8"	19.00"	3.63"	10.63"	300	15.50"	12	1.75"
10"	23.00"	4.25"	12.75"	510	19.00"	12	2.00"
12"	26.50"	4.88"	15.00"	690	22.50"	16	2.13"
14"	29.50"	5.25"	16.25"	975	25.00"	16	2.38"
16"	32.50"	5.75"	18.50"	1300	27.75"	16	2.63"
18"	36.00"	6.38"	21.00"	1750	30.50"	16	2.88"
20"	38.75"	7.00"	23.00"	2225	32.75"	16	3.13"
24"	46.00"	8.00"	27.25"	3625	39.00"	16	3.63"

FLANGES

ANSI B16.5 CLASS 1500 THREADED FLANGES



All dimensions are in inches.

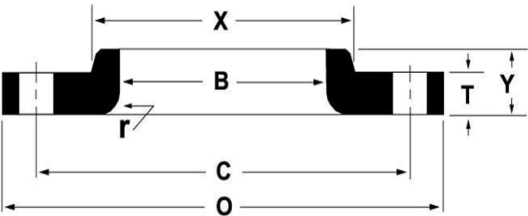
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	4.75"	0.88"	1.38"	1.25"	1.50"	4	3.25"	4	0.88"
3/4"	5.13"	1.00"	1.69"	1.38"	1.75"	5	3.50"	4	0.88"
1"	5.88"	1.13"	2.00"	1.63"	2.06"	8	4.00"	4	1.00"
1 1/4"	6.25"	1.13"	2.50"	1.63"	2.50"	9	4.38"	4	1.00"
1 1/2"	7.00"	1.25"	2.88"	1.75"	2.75"	12	4.88"	4	1.13"
2"	8.50"	1.50"	3.63"	2.25"	4.13"	25	6.50"	8	1.00"
2 1/2"	9.63"	1.63"	4.13"	2.50"	4.88"	36	7.50"	8	1.13"
3"	10.50"	1.88"	5.00"	2.88"	5.25"	48	8.00"	8	1.25"
4"	12.25"	2.13"	6.19"	3.56"	6.38"	73	9.50"	8	1.38"
5"	14.75"	2.88"	7.31"	4.13"	7.75"	130	11.50"	8	1.63"
6"	15.50"	3.25"	8.50"	4.69"	9.00"	165	12.50"	12	1.50"
8"	19.00"	3.63"	10.63"	5.63"	11.50"	260	15.50"	12	1.75"
10"	23.00"	4.25"	12.75"	6.25"	14.50"	435	19.00"	12	2.00"
12"	26.50"	4.88"	15.00"	7.13"	17.75"	580	22.50"	16	2.13"

FLANGES

ANSI B16.5 CLASS 1500 LAP JOINT FLANGES

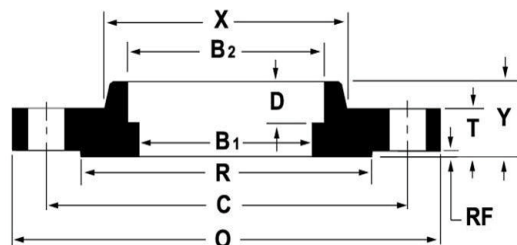


All dimensions are in inches.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Length Thru Hub (Y)	Hub Diameter (X)	Radius (r)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	4.75"	0.88"	1.25"	1.50"	0.13"	0.90"	4	3.25"	4	0.88"
3/4"	5.13"	1.00"	1.38"	1.75"	0.13"	1.11"	5	3.50"	4	0.88"
1"	5.88"	1.13"	1.63"	2.06"	0.13"	1.38"	8	4.00"	4	1.00"
1 1/4"	6.25"	1.13"	1.63"	2.50"	0.19"	1.72"	9	4.38"	4	1.00"
1 1/2"	7.00"	1.25"	1.75"	2.75"	0.25"	1.97"	12	4.88"	4	1.13"
2"	8.50"	1.50"	2.25"	4.13"	0.31"	2.46"	25	6.50"	8	1.00"
2 1/2"	9.63"	1.63"	2.50"	4.88"	0.31"	2.97"	35	7.50"	8	1.13"
3"	10.50"	1.88"	2.88"	5.25"	0.38"	3.60"	47	8.00"	8	1.25"
4"	12.25"	2.13"	3.56"	6.38"	0.38"	4.60"	75	9.50"	8	1.38"
5"	14.75"	2.88"	4.13"	7.75"	0.44"	5.69"	140	11.50"	8	1.63"
6"	15.50"	3.25"	4.69"	9.00"	0.44"	6.75"	170	12.50"	12	1.50"
8"	19.00"	3.63"	5.63"	11.50"	0.50"	8.75"	285	15.50"	12	1.75"
10"	23.00"	4.25"	7.00"	14.50"	0.50"	10.92"	485	19.00"	12	2.00"
12"	26.50"	4.88"	8.63"	17.75"	0.50"	12.92"	630	22.50"	16	2.13"
14"	29.50"	5.25"	9.50"	19.50"	0.50"	14.18"	890	25.00"	16	2.38"
16"	32.50"	5.75"	10.25"	21.75"	0.50"	16.19"	1150	27.75"	16	2.63"
18"	36.00"	6.38"	10.88"	23.50"	0.50"	18.20"	1475	30.50"	16	2.88"
20"	38.75"	7.00"	11.50"	25.25"	0.50"	20.25"	1775	32.75"	16	3.13"
24"	46.00"	8.00"	13.00"	30.00"	0.50"	24.25"	2825	39.00"	16	3.63"

FLANGES

ANSI B16.5 CLASS 1500 SOCKET-WELD FLANGES



All dimensions are in inches.

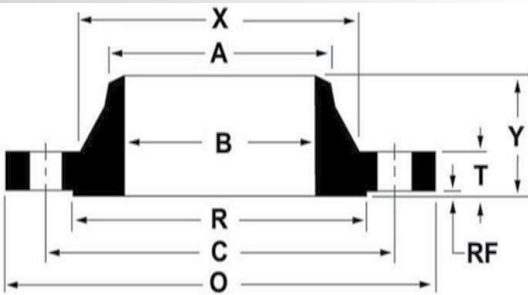
These flanges will be supplied with a 1/4" raised face unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Bore (B ₁)	Bore (B ₂)	Depth of Socket (D)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	4.75"	0.88"	1.38"	1.25"	1.50"	Specified by Purchaser	0.88"	0.38"	4	3.25"	4	0.88"
3/4"	5.13"	1.00"	1.69"	1.38"	1.75"	Specified by Purchaser	1.09"	0.44"	5	3.50"	4	0.88"
1"	5.88"	1.13"	2.00"	1.63"	2.06"	Specified by Purchaser	1.36"	0.50"	8	4.00"	4	1.00"
1 1/4"	6.25"	1.13"	2.50"	1.63"	2.50"	Specified by Purchaser	1.70"	0.56"	9	4.38"	4	1.00"
1 1/2"	7.00"	1.25"	2.88"	1.75"	2.75"	Specified by Purchaser	1.95"	0.63"	12	4.88"	4	1.13"
2"	8.50"	1.50"	3.63"	2.25"	4.13"	Specified by Purchaser	2.44"	0.69"	25	6.50"	8	1.00"
2 1/2"	9.63"	1.63"	4.13"	2.50"	4.88"	Specified by Purchaser	2.94"	0.75"	36	7.50"	8	1.13"

FLANGES

ANSI B16.5 CLASS 2500 WELDING NECK FLANGES



All dimensions are in inches.

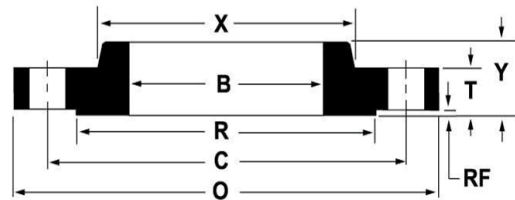
These flanges will be supplied with a 1/4" raised face unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Thick-ness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Point of Weld (A)	Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch		inch	inch	lbs	inch	count	inch
1/2"	5.25"	1.19"	1.38"	2.88"	0.84"	1.69"	Specified by Purchaser	7	3.50"	4	0.88"
3/4"	5.50"	1.25"	1.69"	3.13"	1.05"	2.00"		8	3.75"	4	0.88"
1"	6.25"	1.38"	2.00"	3.50"	1.32"	2.25"		12	4.25"	4	1.00"
1 1/4"	7.25"	1.50"	2.50"	3.75"	1.66"	2.88"		17	5.13"	4	1.13"
1 1/2"	8.00"	1.75"	2.88"	4.38"	1.90"	3.13"		25	5.75"	4	1.25"
2"	9.25"	2.00"	3.63"	5.00"	2.38"	3.75"		42	6.75"	8	1.13"
2 1/2"	10.50"	2.25"	4.13"	5.63"	2.88"	4.50"		52	7.75"	8	1.25"
3"	12.00"	2.63"	5.00"	6.63"	3.50"	5.25"		94	9.00"	8	1.38"
4"	14.00"	3.00"	6.19"	7.50"	4.50"	6.50"		145	10.75"	8	1.63"
5"	16.50"	3.63"	7.31"	9.00"	5.56"	8.00"		245	12.75"	8	1.88"
6"	19.00"	4.25"	8.50"	10.75"	6.63"	9.25"		380	14.50"	8	2.13"
8"	21.75"	5.00"	10.63"	12.50"	8.63"	12.00"		580	17.25"	12	2.13"
10"	26.50"	6.50"	12.75"	16.50"	10.75"	14.75"		1075	21.25"	12	2.63"
12"	30.00"	7.25"	15.00"	18.25"	12.75"	17.38"		1525	24.38"	12	2.88"

FLANGES

ANSI B16.5 CLASS 2500 SLIP-ON FLANGES



All dimensions are in inches.

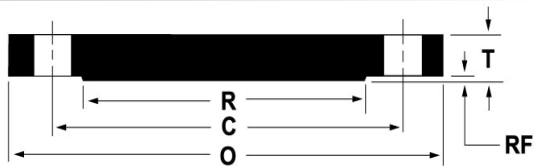
These flanges will be supplied with a 1/4" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	5.25"	1.19"	1.38"	1.56"	1.69"	0.88"	7	3.50"	4	0.88"
3/4"	5.50"	1.25"	1.69"	1.69"	2.00"	1.09"	8	3.75"	4	0.88"
1"	6.25"	1.38"	2.00"	1.88"	2.25"	1.36"	11	4.25"	4	1.00"
1 1/4"	7.25"	1.50"	2.50"	2.06"	2.88"	1.70"	16	5.13"	4	1.13"
1 1/2"	8.00"	1.75"	2.88"	2.38"	3.13"	1.95"	22	5.75"	4	1.25"
2"	9.25"	2.00"	3.63"	2.75"	3.75"	2.44"	38	6.75"	8	1.13"
2 1/2"	10.50"	2.25"	4.13"	3.13"	4.50"	2.94"	55	7.75"	8	1.25"
3"	12.00"	2.63"	5.00"	3.63"	5.25"	3.57"	83	9.00"	8	1.38"
4"	14.00"	3.00"	6.19"	4.25"	6.50"	4.57"	125	10.75"	8	1.63"
5"	16.50"	3.63"	7.31"	5.13"	8.00"	5.66"	210	12.75"	8	1.88"
6"	19.00"	4.25"	8.50"	6.00"	9.25"	6.72"	325	14.50"	8	2.13"
8"	21.75"	5.00"	10.63"	7.00"	12.00"	8.72"	485	17.25"	12	2.13"
10"	26.50"	6.50"	12.75"	9.00"	14.75"	10.88"	930	21.25"	12	2.63"
12"	30.00"	7.25"	15.00"	10.00"	17.38"	12.88"	1100	24.38"	12	2.88"

FLANGES

ANSI B16.5 CLASS 2500 BLIND FLANGES



All dimensions are in inches.

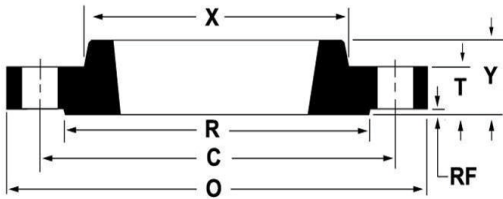
These flanges will be supplied with a 1/4" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
1/2"	5.25"	1.19"	1.38"	7	3.50"	4	0.88"
3/4"	5.50"	1.25"	1.69"	8	3.75"	4	0.88"
1"	6.25"	1.38"	2.00"	11	4.25"	4	1.00"
1 1/4"	7.25"	1.50"	2.50"	17	5.13"	4	1.13"
1 1/2"	8.00"	1.75"	2.88"	23	5.75"	4	1.25"
2"	9.25"	2.00"	3.63"	39	6.75"	8	1.13"
2 1/2"	10.50"	2.25"	4.13"	56	7.75"	8	1.25"
3"	12.00"	2.63"	5.00"	86	9.00"	8	1.38"
4"	14.00"	3.00"	6.19"	135	10.75"	8	1.63"
5"	16.50"	3.63"	7.31"	225	12.75"	8	1.88"
6"	19.00"	4.25"	8.50"	345	14.50"	8	2.13"
8"	21.75"	5.00"	10.63"	530	17.25"	12	2.13"
10"	26.50"	6.50"	12.75"	1025	21.25"	12	2.63"
12"	30.00"	7.25"	15.00"	1300	24.38"	12	2.88"

FLANGES

ANSI B16.5 CLASS 2500 THREADED FLANGES



All dimensions are in inches.

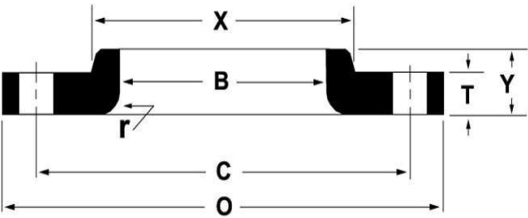
These flanges will be supplied with a 1/4" raised face unless otherwise specified.

Flat face option available

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	5.25"	1.19"	1.38"	1.56"	1.69"	7	3.50"	4	0.88"
3/4"	5.50"	1.25"	1.69"	1.69"	2.00"	8	3.75"	4	0.88"
1"	6.25"	1.38"	2.00"	1.88"	2.25"	11	4.25"	4	1.00"
1 1/4"	7.25"	1.50"	2.50"	2.06"	2.88"	16	5.13"	4	1.13"
1 1/2"	8.00"	1.75"	2.88"	2.38"	3.13"	22	5.75"	4	1.25"
2"	9.25"	2.00"	3.63"	2.75"	3.75"	38	6.75"	8	1.13"
2 1/2"	10.50"	2.25"	4.13"	3.13"	4.50"	55	7.75"	8	1.25"
3"	12.00"	2.63"	5.00"	3.63"	5.25"	83	9.00"	8	1.38"
4"	14.00"	3.00"	6.19"	4.25"	6.50"	125	10.75"	8	1.63"
5"	16.50"	3.63"	7.31"	5.13"	8.00"	210	12.75"	8	1.88"
6"	19.00"	4.25"	8.50"	6.00"	9.25"	325	14.50"	8	2.13"
8"	21.75"	5.00"	10.63"	7.00"	12.00"	485	17.25"	12	2.13"
10"	26.50"	6.50"	12.75"	9.00"	14.75"	930	21.25"	12	2.63"
12"	30.00"	7.25"	15.00"	10.00"	17.38"	1100	24.38"	12	2.88"

FLANGES

ANSI B16.5 CLASS 2500 LAP JOINT FLANGES

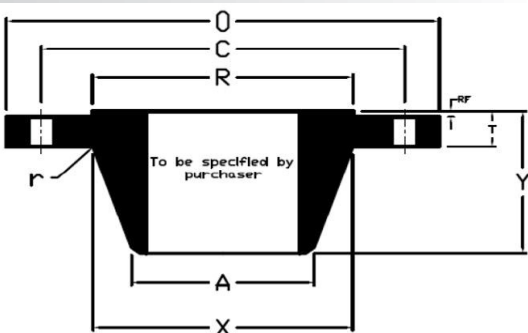


All dimensions are in inches.

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Length Thru Hub (Y)	Hub Diameter (X)	Radius (r)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
1/2"	5.25"	1.19"	1.56"	1.69"	0.13"	0.90"	7	3.50"	4	0.88"
3/4"	5.50"	1.25"	1.69"	2.00"	0.13"	1.11"	8	3.75"	4	0.88"
1"	6.25"	1.38"	1.88"	2.25"	0.13"	1.38"	11	4.25"	4	1.00"
1 1/4"	7.25"	1.50"	2.06"	2.88"	0.19"	1.72"	16	5.13"	4	1.13"
1 1/2"	8.00"	1.75"	2.38"	3.13"	0.25"	1.97"	22	5.75"	4	1.25"
2"	9.25"	2.00"	2.75"	3.75"	0.31"	2.46"	37	6.75"	8	1.13"
2 1/2"	10.50"	2.25"	3.13"	4.50"	0.31"	2.97"	53	7.75"	8	1.25"
3"	12.00"	2.63"	3.63"	5.25"	0.38"	3.60"	80	9.00"	8	1.38"
4"	14.00"	3.00"	4.25"	6.50"	0.38"	4.60"	120	10.75"	8	1.63"
5"	16.50"	3.63"	5.13"	8.00"	0.44"	5.69"	205	12.75"	8	1.88"
6"	19.00"	4.25"	6.00"	9.25"	0.44"	6.75"	315	14.50"	8	2.13"
8"	21.75"	5.00"	7.00"	12.00"	0.50"	8.75"	470	17.25"	12	2.13"
10"	26.50"	6.50"	9.00"	14.75"	0.50"	10.92"	900	21.25"	12	2.63"
12"	30.00"	7.25"	10.00"	17.38"	0.50"	12.92"	1100	24.38"	12	2.88"

FLANGES

ASME B16.47 CLASS 150 SERIES A WELDING NECK FLANGES



All ASME B16.47 CLASS 150# SERIES "A" weld neck flange dimensions are in inches.

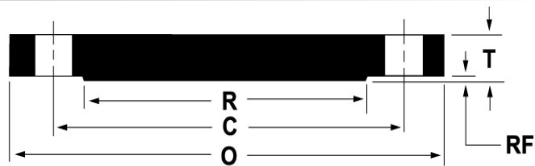
These ASME B16.47 CLASS 150# SERIES "A" weld neck flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available for ASME B16.47 CLASS 150# SERIES "A" weld neck flanges.

Nominal Pipe Size	Outside Diameter (O)	Minimum Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Minimum Fillet Radius (r)	Top of Hub (A)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	34.25"	2.69"	29.50"	4.75"	26.62"	0.38"	26.00"	Specified by Purchaser	300	31.75"	24	1.38"
28"	36.50"	2.81"	31.50"	4.94"	28.62"	0.44"	28.00"		345	34.00"	28	1.38"
30"	38.75"	2.94"	33.75"	5.38"	30.75"	0.44"	30.00"		400	36.00"	28	1.38"
32"	41.75"	3.19"	36.00"	5.69"	32.75"	0.44"	32.00"		505	38.50"	28	1.62"
34"	43.75"	3.25"	38.00"	5.88"	34.75"	0.50"	34.00"		540	40.50"	32	1.62"
36"	46.00"	3.56"	40.25"	6.19"	36.75"	0.50"	36.00"		640	42.75"	32	1.62"
38"	48.75"	3.44"	42.25"	6.19"	39.00"	0.50"	38.00"		720	45.25"	32	1.62"
40"	50.75"	3.56"	44.25"	6.44"	41.00"	0.50"	40.00"		775	47.25"	36	1.62"
42"	53.00"	3.81"	47.00"	6.75"	43.00"	0.50"	42.00"		890	49.50"	36	1.62"
44"	55.25"	4.00"	49.00"	7.00"	45.00"	0.50"	44.00"		990	51.75"	40	1.62"
46"	57.25"	4.06"	51.00"	7.31"	47.12"	0.50"	46.00"		1060	53.75"	40	1.62"
48"	59.50"	4.25"	53.50"	7.56"	49.12"	0.50"	48.00"		1185	56.00"	44	1.62"
50"	61.75"	4.38"	55.50"	8.00"	51.25"	0.50"	50.00"		1270	58.25"	44	1.88"
52"	64.00"	4.56"	57.50"	8.25"	53.25"	0.50"	52.00"		1410	60.50"	44	1.88"
54"	66.25"	4.75"	59.50"	8.50"	55.25"	0.50"	54.00"		1585	62.75"	44	1.88"
56"	68.75"	4.88"	62.00"	9.00"	57.38"	0.50"	56.00"		1760	65.00"	48	1.88"
58"	71.00"	5.06"	64.00"	9.25"	59.38"	0.50"	58.00"		1915	67.25"	48	1.88"
60"	73.00"	5.19"	66.00"	9.44"	61.38"	0.50"	60.00"		2045	69.25"	52	1.88"

FLANGES

ASME B16.47 CLASS 150 SERIES A BLIND FLANGES



All ASME B16.47 150# SERIES "A" Blind flange dimensions are in inches.

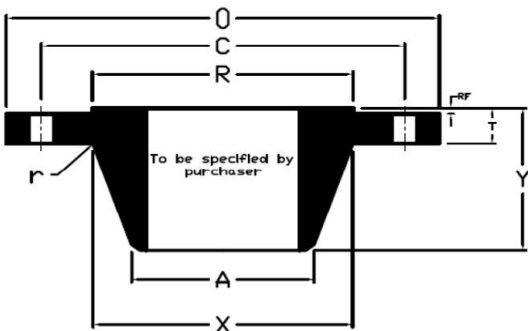
These ASME B16.47 150# SERIES "A" Blind flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available for ASME B16.47 150# SERIES "A" Blind flanges.

Nominal Pipe Size	Outside Diameter (O)	Minimum Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
26"	34.25"	2.69"	29.50"	702	31.75"	24	1.38"
28"	36.50"	2.81"	31.50"	833	34.00"	28	1.38"
30"	38.75"	2.94"	33.75"	982	36.00"	28	1.38"
32"	41.75"	3.19"	36.00"	1238	38.50"	28	1.62"
34"	43.75"	3.25"	38.00"	1384	40.50"	32	1.62"
36"	46.00"	3.56"	40.25"	1676	42.75"	32	1.62"
38"	48.75"	3.44"	42.25"	1819	45.25"	32	1.62"
40"	50.75"	3.56"	44.25"	2040	47.25"	36	1.62"
42"	53.00"	3.81"	47.00"	2380	49.50"	36	1.62"
44"	55.25"	4.00"	49.00"	2715	51.75"	40	1.62"
46"	57.25"	4.06"	51.00"	2961	53.75"	40	1.62"
48"	59.50"	4.25"	53.50"	3350	56.00"	44	1.62"
50"	61.75"	4.38"	55.50"	3716	58.25"	44	1.88"
52"	64.00"	4.56"	57.50"	4156	60.50"	44	1.88"
54"	66.25"	4.75"	59.50"	4639	62.75"	44	1.88"
56"	68.75"	4.88"	62.00"	5130	65.00"	48	1.88"
58"	71.00"	5.06"	64.00"	5675	67.25"	48	1.88"
60"	73.00"	5.19"	66.00"	6155	69.25"	52	1.88"

FLANGES

ASME B16.47 CLASS 300 SERIES A WELDING NECK FLANGES



All dimensions are in inches.

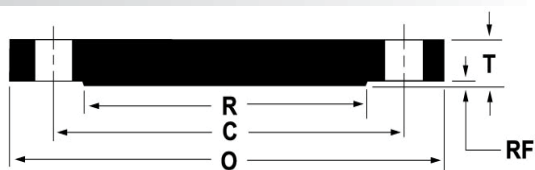
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Minimum Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Minimum Fillet Radius (r)	Top of Hub (A)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	38.25"	3.12"	29.50"	7.25"	28.38"	0.38"	26.00"	Specified by Purchaser	605	34.50"	28	1.75"
28"	40.75"	3.38"	31.50"	7.75"	30.50"	0.44"	28.00"		745	37.00"	28	1.75"
30"	43.00"	3.62"	33.75"	8.25"	32.56"	0.44"	30.00"		870	39.25"	28	1.88"
32"	45.25"	3.88"	36.00"	8.75"	34.69"	0.44"	32.00"		1005	41.50"	28	2.00"
34"	47.50"	4.00"	38.00"	9.12"	36.88"	0.50"	34.00"		1145	43.50"	28	2.00"
36"	50.00"	4.12"	40.25"	9.50"	39.00"	0.50"	36.00"		1275	46.00"	32	2.12"
38"	46.00"	4.25"	40.50"	7.12"	39.12"	0.50"	38.00"		695	43.00"	32	1.62"
40"	48.75"	4.50"	42.75"	7.62"	41.25"	0.50"	40.00"		840	45.50"	32	1.75"
42"	50.75"	4.69"	44.75"	7.88"	43.25"	0.50"	42.00"		950	47.50"	32	1.75"
44"	53.25"	4.88"	47.00"	8.12"	45.25"	0.50"	44.00"		1055	49.75"	32	1.88"
46"	55.75"	5.06"	49.00"	8.50"	47.38"	0.50"	46.00"		1235	52.00"	28	2.00"
48"	57.75"	5.25"	51.25"	8.81"	49.38"	0.50"	48.00"		1380	54.00"	32	2.00"
50"	60.25"	5.50"	53.50"	9.12"	51.38"	0.50"	50.00"		1530	56.25"	32	2.12"
52"	62.25"	5.69"	55.50"	9.38"	53.38"	0.50"	52.00"		1660	58.25"	32	2.12"
54"	65.25"	6.00"	57.75"	9.94"	55.50"	0.50"	54.00"		2050	61.00"	28	2.38"
56"	67.25"	6.06"	59.75"	10.25"	57.62"	0.50"	56.00"		2155	63.00"	28	2.38"
58"	69.25"	6.25"	62.00"	10.50"	59.62"	0.50"	58.00"		2270	65.00"	32	2.38"
60"	71.25"	6.44"	64.00"	10.75"	61.62"	0.50"	60.00"		2470	67.00"	32	2.38"

FLANGES

ASME B16.47 CLASS 300 SERIES A BLIND FLANGES



All dimensions are in inches.

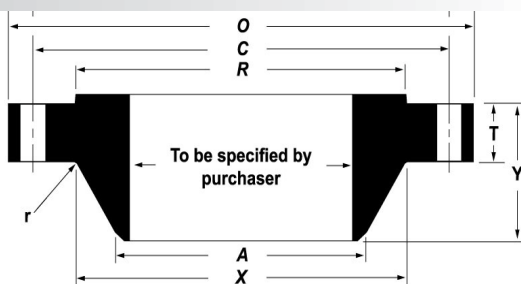
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Minimum Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
26"	38.25"	3.31"	29.50"	1079	34.50"	28	1.75"
28"	40.75"	3.56"	31.50"	1315	37.00"	28	1.75"
30"	43.00"	3.75"	33.75"	1545	39.25"	28	1.88"
32"	45.25"	3.94"	36.00"	1795	41.50"	28	2.00"
34"	47.50"	4.12"	38.00"	2068	43.50"	28	2.00"
36"	50.00"	4.38"	40.25"	2435	46.00"	32	2.12"
38"	46.00"	4.25"	40.50"	2001	43.00"	32	1.62"
40"	48.75"	4.50"	42.75"	2380	45.50"	32	1.75"
42"	50.75"	4.69"	44.75"	2689	47.50"	32	1.75"
44"	53.25"	4.88"	47.00"	3079	49.75"	32	1.88"
46"	55.75"	5.06"	49.00"	3500	52.00"	28	2.00"
48"	57.75"	5.25"	51.25"	3896	54.00"	32	2.00"
50"	60.25"	5.50"	53.50"	4442	56.25"	32	2.12"
52"	62.25"	5.69"	55.50"	4906	58.25"	32	2.12"
54"	65.25"	6.00"	57.75"	5684	61.00"	28	2.38"
56"	67.25"	6.06"	59.75"	6099	63.00"	28	2.38"
58"	69.25"	6.25"	62.00"	6669	65.00"	32	2.38"
60"	71.25"	6.44"	64.00"	7274	67.00"	32	2.38"

FLANGES

ASME B16.47 CLASS 600 SERIES A WELDING NECK FLANGES



All dimensions are in inches.

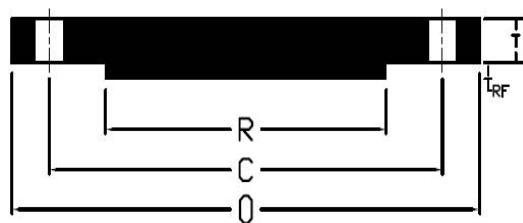
1/4" raised face will be added to the thickness and over-all length unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Minimum Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Minimum Fillet Radius (r)	Top of Hub (A)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	40.00"	4.25"	29.50"	8.75"	29.44"	0.50"	26.00"	Specified by Purchaser	940	36.00"	28	2.00"
28"	42.25"	4.38"	31.50"	9.25"	31.62"	0.50"	28.00"		1060	38.00"	28	2.12"
30"	44.50"	4.50"	33.75"	9.75"	33.94"	0.50"	30.00"		1210	40.25"	28	2.12"
32"	47.00"	4.62"	36.00"	10.25"	36.12"	0.50"	32.00"		1375	42.50"	28	2.38"
34"	49.00"	4.75"	38.00"	10.62"	38.31"	0.56"	34.00"		1540	44.50"	28	2.38"
36"	51.75"	4.88"	40.25"	11.12"	40.62"	0.56"	36.00"		1705	47.00"	28	2.62"
38"	50.00"	6.00"	41.50"	10.00"	40.25"	0.56"	38.00"		1470	45.75"	28	2.38"
40"	52.00"	6.25"	43.75"	10.38"	42.25"	0.56"	40.00"		1630	47.75"	32	2.38"
42"	55.25"	6.62"	46.00"	11.00"	44.38"	0.56"	42.00"		2030	50.50"	28	2.62"
44"	57.25"	6.81"	48.25"	11.38"	46.50"	0.56"	44.00"		2160	52.50"	32	2.62"
46"	59.50"	7.06"	50.25"	11.81"	48.62"	0.56"	46.00"		2410	54.75"	32	2.62"
48"	62.75"	7.44"	52.50"	12.44"	50.75"	0.56"	48.00"		2855	57.50"	32	2.88"
50"	65.75"	7.75"	54.50"	12.94"	52.88"	0.56"	50.00"		3330	60.00"	28	3.12"
52"	67.75"	8.00"	56.50"	13.25"	54.88"	0.56"	52.00"		3560	62.00"	32	3.12"
54"	70.00"	8.25"	58.75"	13.75"	57.00"	0.56"	54.00"		3920	64.25"	32	3.12"
56"	73.00"	8.56"	60.75"	14.25"	59.12"	0.62"	56.00"		4280	66.75"	32	3.38"
58"	75.00"	8.75"	63.00"	14.56"	61.12"	0.62"	58.00"		4640	68.75"	32	3.38"
60"	78.50"	9.19"	65.25"	15.31"	63.38"	0.69"	60.00"		5000	71.75"	28	3.62"

FLANGES

ASME B16.47 CLASS 600 SERIES A BLIND FLANGES



All dimensions are in inches.

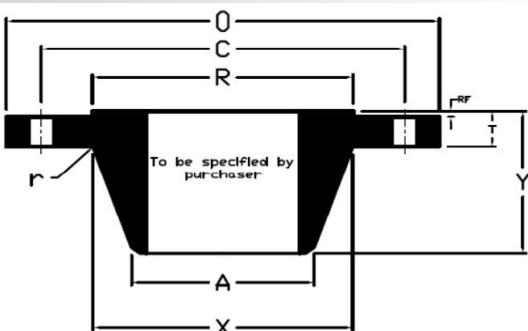
1/4" raised face will be added to the thickness unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Minimum Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
26"	40.00"	4.94"	29.50"	1760	36.00"	28	2.00"
28"	42.25"	5.19"	31.50"	2061	38.00"	28	2.12"
30"	44.50"	5.50"	33.75"	2423	40.25"	28	2.12"
32"	47.00"	5.81"	36.00"	2858	42.50"	28	2.38"
34"	49.00"	6.06"	38.00"	3237	44.50"	28	2.38"
36"	51.75"	6.38"	40.25"	3800	47.00"	28	2.62"
38"	50.00"	6.12"	41.50"	3405	45.75"	28	2.38"
40"	52.00"	6.38"	43.75"	3838	47.75"	32	2.38"
42"	55.25"	6.75"	46.00"	4585	50.50"	28	2.62"
44"	57.25"	7.00"	48.25"	5105	52.50"	32	2.62"
46"	59.50"	7.31"	50.25"	5758	54.75"	32	2.62"
48"	62.75"	7.69"	52.50"	6737	57.50"	32	2.88"
50"	65.75"	8.00"	54.50"	7695	60.00"	28	3.12"
52"	67.75"	8.25"	56.50"	8425	62.00"	32	3.12"
54"	70.00"	8.56"	58.75"	9333	64.25"	32	3.12"
56"	73.00"	8.88"	60.75"	10,530	66.75"	32	3.38"
58"	75.00"	9.12"	63.00"	11,414	68.75"	32	3.38"
60"	78.50"	9.56"	65.25"	13,108	71.75"	28	3.62"

FLANGES

ASME B16.47 CLASS 150 SERIES B WELDING NECK FLANGES



All dimensions are in inches.

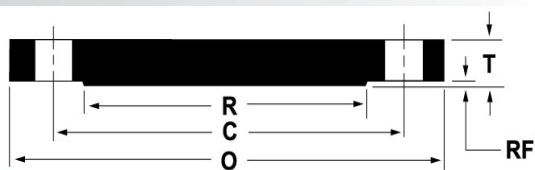
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Minimum Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Minimum Fillet Radius (r)	Top of Hub (A)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	30.94"	1.62"	28.00"	3.50"	26.94"	0.38"	26.06"	Specified by Purchaser	120	29.31"	36	0.88"
28"	32.94"	1.75"	30.00"	3.75"	28.94"	0.38"	28.06"		140	31.31"	40	0.88"
30"	34.94"	1.75"	32.00"	3.94"	31.00"	0.38"	30.06"		150	33.31"	44	0.88"
32"	37.06"	1.81"	34.00"	4.25"	33.06"	0.38"	32.06"		170	35.44"	48	0.88"
34"	39.56"	1.94"	36.25"	4.34"	35.12"	0.38"	34.06"		210	37.69"	40	1.00"
36"	41.62"	2.06"	38.25"	4.62"	37.19"	0.38"	36.06"		240	39.75"	44	1.00"
38"	44.25"	2.12"	40.25"	4.88"	39.25"	0.38"	38.12"		290	42.12"	40	1.12"
40"	46.25"	2.19"	42.50"	5.06"	41.31"	0.38"	40.12"		310	44.12"	44	1.12"
42"	48.25"	2.31"	44.50"	5.25"	43.38"	0.44"	42.12"		345	46.12"	48	1.12"
44"	50.25"	2.38"	46.50"	5.38"	45.38"	0.44"	44.12"		370	48.12"	52	1.12"
46"	52.81"	2.44"	48.62"	5.69"	47.44"	0.44"	46.12"		435	50.56"	40	1.25"
48"	54.81"	2.56"	50.75"	5.88"	49.50"	0.44"	48.12"		480	52.56"	44	1.25"
50"	56.81"	2.69"	52.75"	6.06"	51.50"	0.44"	50.12"		520	54.56"	48	1.25"
52"	58.81"	2.75"	54.75"	6.19"	53.56"	0.44"	52.12"		550	56.56"	52	1.25"
54"	61.00"	2.81"	56.75"	6.38"	55.62"	0.44"	54.12"		620	58.75"	56	1.25"
56"	63.00"	2.88"	58.75"	6.56"	57.69"	0.56"	56.12"		650	60.75"	60	1.25"
58"	65.94"	2.94"	60.75"	6.88"	59.69"	0.56"	58.12"		780	63.44"	48	1.38"
60"	67.94"	3.00"	63.00"	7.06"	61.81"	0.56"	60.12"		850	65.44"	52	1.38"

FLANGES

ASME B16.47 CLASS 150 SERIES B BLIND FLANGES



All dimensions are in inches.

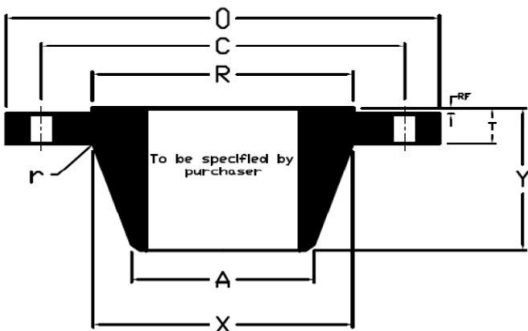
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Minimum Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
26"	30.94"	1.75"	28.00"	375	29.31"	36	0.88"
28"	32.94"	1.88"	30.00"	455	31.31"	40	0.88"
30"	34.94"	2.00"	32.00"	545	33.31"	44	0.88"
32"	37.06"	2.12"	34.00"	648	35.44"	48	0.88"
34"	39.56"	2.25"	36.25"	782	37.69"	40	1.00"
36"	41.62"	2.31"	38.25"	890	39.75"	44	1.00"
38"	44.25"	2.50"	40.25"	1090	42.12"	40	1.12"
40"	46.25"	2.62"	42.50"	1247	44.12"	44	1.12"
42"	48.25"	2.69"	44.50"	1393	46.12"	48	1.12"
44"	50.25"	2.81"	46.50"	1579	48.12"	52	1.12"
46"	52.81"	2.94"	48.62"	1825	50.56"	40	1.25"
48"	54.81"	3.06"	50.75"	2045	52.56"	44	1.25"
50"	56.81"	3.18"	52.75"	2284	54.56"	48	1.25"
52"	58.81"	3.31"	54.75"	2547	56.56"	52	1.25"
54"	61.00"	3.44"	56.75"	2848	58.75"	56	1.25"
56"	63.00"	3.56"	58.75"	3145	60.75"	60	1.25"
58"	65.94"	3.68"	60.75"	3560	63.44"	48	1.38"
60"	67.94"	3.81"	63.00"	3913	65.44"	52	1.38"

FLANGES

ASME B16.47 CLASS 300 SERIES B WELDING NECK FLANGES



All dimensions are in inches.

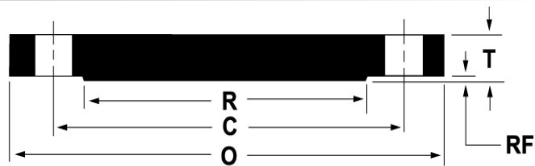
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Minimum Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Minimum Fillet Radius (r)	Top of Hub (A)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	34.12"	3.50"	29.00"	5.69"	27.62"	0.56"	26.19"	Specified by Purchaser	400	31.62"	32	1.38"
28"	36.25"	3.50"	31.00"	5.88"	29.75"	0.56"	28.19"		450	33.75"	36	1.38"
30"	39.00"	3.69"	33.25"	6.22"	32.00"	0.56"	30.25"		550	36.25"	36	1.50"
32"	41.50"	4.06"	35.50"	6.62"	34.00"	0.62"	32.25"		685	38.50"	32	1.62"
34"	43.62"	4.06"	37.50"	6.81"	36.12"	0.62"	34.25"		750	40.62"	36	1.62"
36"	46.12"	4.06"	39.75"	7.12"	38.00"	0.62"	36.25"		840	42.88"	32	1.75"
38"	48.12"	4.38"	41.75"	7.56"	40.00"	0.62"	38.25"		915	44.88"	36	1.75"
40"	50.12"	4.56"	43.88"	7.81"	42.00"	0.62"	40.25"		990	46.88"	40	1.75"
42"	52.50"	4.69"	46.00"	8.06"	44.00"	0.62"	42.31"		1135	49.00"	36	1.88"
44"	54.50"	5.00"	48.00"	8.44"	46.19"	0.62"	44.31"		1235	51.00"	40	1.88"
46"	57.50"	5.06"	50.00"	8.75"	48.38"	0.62"	46.31"		1470	53.75"	36	2.00"
48"	59.50"	5.06"	52.25"	8.81"	50.31"	0.62"	48.31"		1575	55.75"	40	2.00"
50"	61.50"	5.44"	54.25"	9.25"	52.38"	0.62"	50.31"		1710	57.75"	44	2.00"
52"	63.50"	5.62"	56.25"	9.56"	54.44"	0.62"	52.31"		1840	59.75"	48	2.00"
54"	65.88"	5.38"	58.25"	9.44"	56.50"	0.62"	54.31"		1980	62.12"	48	2.00"
56"	69.50"	6.06"	60.50"	10.56"	58.81"	0.69"	56.31"		2595	65.00"	36	2.38"
58"	71.94"	6.06"	62.75"	10.81"	60.94"	0.69"	58.31"		2770	67.44"	40	2.38"
60"	73.94"	5.94"	65.00"	10.69"	62.94"	0.69"	60.31"		2870	69.44"	40	2.38"

FLANGES

ASME B16.47 CLASS 300 SERIES B BLIND FLANGES



All dimensions are in inches.

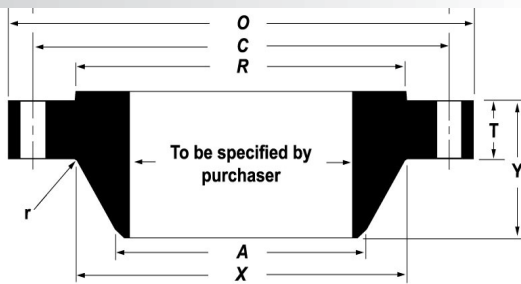
These flanges will be supplied with a 1/16" raised face unless otherwise specified.

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Minimum Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
26"	34.12"	3.50"	29.00"	905	31.62"	32	1.38"
28"	36.25"	3.50"	31.00"	1023	33.75"	36	1.38"
30"	39.00"	3.69"	33.25"	1250	36.25"	36	1.50"
32"	41.50"	4.06"	35.50"	1556	38.50"	32	1.62"
34"	43.62"	4.06"	37.50"	1719	40.62"	36	1.62"
36"	46.12"	4.06"	39.75"	1920	42.88"	32	1.75"
38"	48.12"	4.38"	41.75"	2257	44.88"	36	1.75"
40"	50.12"	4.56"	43.88"	2550	46.88"	40	1.75"
42"	52.50"	4.69"	46.00"	2875	49.00"	36	1.88"
44"	54.50"	5.00"	48.00"	3305	51.00"	40	1.88"
46"	57.50"	5.12"	50.00"	3766	53.75"	36	2.00"
48"	59.50"	5.31"	52.25"	4183	55.75"	40	2.00"
50"	61.50"	5.50"	54.25"	4629	57.75"	44	2.00"
52"	63.50"	5.68"	56.25"	5096	59.75"	48	2.00"
54"	65.88"	5.88"	58.25"	5679	62.12"	48	2.00"
56"	69.50"	6.18"	60.50"	6642	65.00"	36	2.38"
58"	71.94"	6.38"	62.75"	7347	67.44"	40	2.38"
60"	73.94"	6.56"	65.00"	7980	69.44"	40	2.38"

FLANGES

ASME B16.47 CLASS 600 SERIES B WELDING NECK FLANGES



All dimensions are in inches.

1/4" raised face will be added to the thickness and overall length unless otherwise specified.

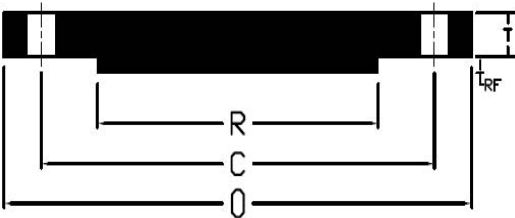
38" thru 60" sizes are the same as Series "A".

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Minimum Thickness (T)	Raised Face Diameter (R)	Length Thru Hub (Y)	Hub Diameter (X)	Minimum Fillet Radius (r)	Top of Hub (A)	Bore (B)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	inch	inch	inch	inch	inch	lbs	inch	count	inch
26"	35.00"	4.38"	28.62"	7.12"	27.50"	0.50"	26.00"	Specified by Purchaser	550	31.75"	28	1.75"
28"	37.50"	4.56"	30.88"	7.50"	29.62"	0.50"	28.00"		650	34.00"	28	1.88"
30"	40.25"	4.94"	33.12"	8.06"	31.75"	0.50"	30.00"		810	36.50"	28	2.00"
32"	42.75"	5.12"	35.25"	8.50"	33.88"	0.50"	32.00"		950	38.75"	28	2.12"
34"	45.75"	5.56"	37.50"	9.19"	36.00"	0.56"	34.00"		1205	41.50"	24	2.38"
36"	47.75"	5.75"	39.75"	9.56"	38.12"	0.56"	36.00"		1340	43.50"	28	2.38"

FLANGES

ASME B16.47 CLASS 600
SERIES B BLIND FLANGES



All dimensions are in inches.

1/4" raised face will be added to the thickness unless otherwise specified.

38" thru 60" sizes are the same as Series "A".

Flat face option available.

Nominal Pipe Size	Outside Diameter (O)	Minimum Thickness (T)	Raised Face Diameter (R)	Approximate Weight (lbs)	Bolt Circle (C)	Number of Holes	Diameter of Holes
inch	inch	inch	inch	lbs	inch	count	inch
26"	35.00"	4.38"	28.62"	1195	31.75"	28	1.75"
28"	37.50"	4.56"	30.88"	1427	34.00"	28	1.88"
30"	40.25"	5.00"	33.12"	1800	36.50"	28	2.00"
32"	42.75"	5.31"	35.25"	2160	38.75"	28	2.12"
34"	45.75"	5.68"	37.50"	2645	41.50"	24	2.38"
36"	47.75"	5.94"	39.75"	3013	43.50"	28	2.38"