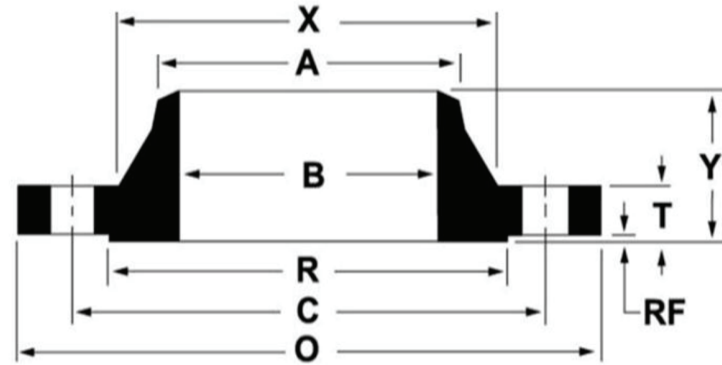
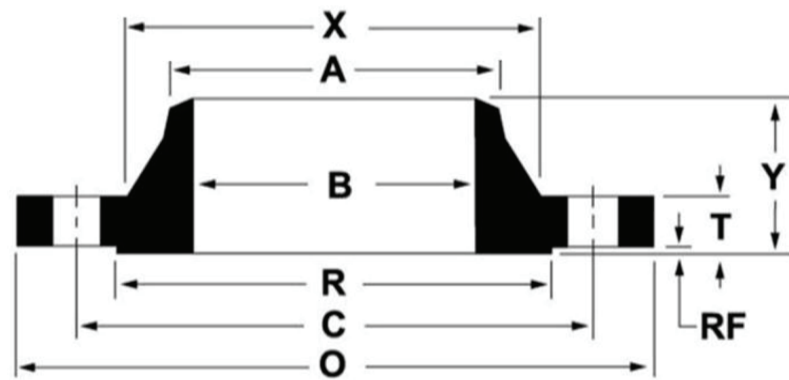




ANSI B16.5 CLASS 150 WELDING NECK FLANGES

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Point of Weld (A)	Hub Diameter (X)	Bore (B)	Number of Holes	Diameter of Holes	Bolt Circle (C)	Approximate Weight (lbs)
½	3.50	0.44	1.38	0.84	1.19	0.62	4	0.63	2.38	2
¾	3.88	0.50	1.69	1.05	1.50	0.82	4	0.63	2.75	2
1	4.25	0.56	2.00	1.32	1.94	1.05	4	0.63	3.13	3
1¼	4.63	0.63	2.50	1.66	2.31	1.38	4	0.63	3.50	3
1½	5.00	0.69	2.88	1.90	2.56	1.61	4	0.63	3.88	4
2	6.00	0.75	3.63	2.38	3.06	2.07	4	0.75	4.75	6
2½	7.00	0.88	4.13	2.88	3.56	2.47	4	0.75	5.50	8
3	7.50	0.94	5.00	3.50	4.25	3.07	4	0.75	6.00	10
3½	8.50	0.94	5.50	4.00	4.81	3.55	8	0.75	7.00	12
4	9.00	0.94	6.19	4.50	5.31	4.03	8	0.75	7.50	15
5	10.00	0.94	7.13	5.56	6.44	5.05	8	0.88	8.50	19
6	11.00	1.00	8.50	6.63	7.56	6.07	8	0.88	9.50	24
8	13.50	1.13	10.63	8.63	9.69	7.98	8	0.88	11.75	39
10	16.00	1.19	12.75	10.75	12.00	10.02	12	1.00	14.25	52
12	19.00	1.25	15.00	12.75	14.38	12.00	12	1.00	17.00	80
14	21.00	1.38	16.25	14.00	15.75	13.25	12	1.13	18.75	110
16	23.50	1.44	18.50	16.00	18.00	15.25	16	1.13	21.25	140
18	25.00	1.56	21.00	18.00	19.88	17.25	16	1.25	22.75	150
20	27.50	1.69	23.00	20.00	22.00	19.25	20	1.25	25.00	180
22	29.50	1.81	25.25	22.00	24.25	21.25	20	1.38	27.25	225
24	32.00	1.88	27.25	24.00	26.13	23.25	20	1.38	29.50	260

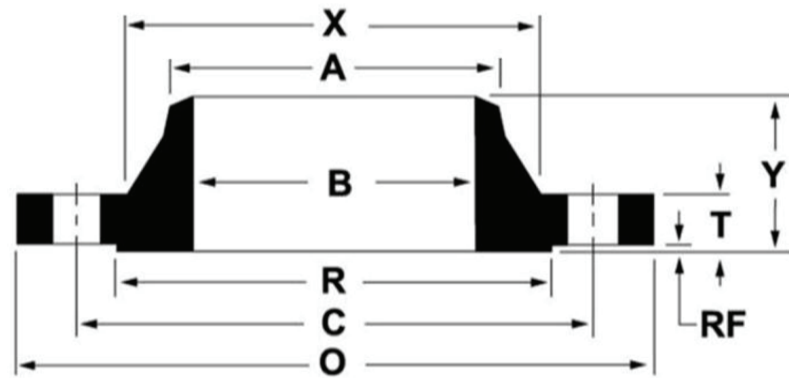
*All dimensions are in inches.
 These flanges will be furnished with a 1/16" raised face unless otherwise specified.
 Flat face option available.
 Standard Bore will be furnished unless otherwise specified.



ANSI B16.5 CLASS 300 WELDING NECK FLANGES

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)	Number of Holes	Diameter of Holes	Bolt Circle (C)	Approximate Weight (lbs)
½	3.75	0.56	1.38	2.05	0.84	1.50	0.62	4	0.63	2.63	2
¾	4.63	0.63	1.69	2.25	1.05	1.88	0.82	4	0.75	3.25	3
1	4.88	0.69	2.00	2.44	1.32	2.13	1.05	4	0.75	3.50	4
1¼	5.25	0.75	2.50	2.56	1.66	2.50	1.38	4	0.75	3.88	5
1½	6.13	0.81	2.88	2.69	1.90	2.75	1.61	4	0.88	4.50	7
2	6.50	0.88	3.63	2.75	2.38	3.31	2.07	8	0.75	5.00	9
2½	7.50	1.00	4.13	3.00	2.88	3.94	2.47	8	0.88	5.88	12
3	8.25	1.13	5.00	3.13	3.50	4.63	3.07	8	0.88	6.63	15
3½	9.00	1.19	5.50	3.19	4.00	5.25	3.55	8	0.88	7.25	18
4	10.00	1.25	6.19	3.38	4.50	5.75	4.03	8	0.88	7.88	25
5	11.00	1.38	7.13	3.88	5.56	7.00	5.05	8	0.88	9.25	32
6	12.50	1.44	8.50	3.88	6.63	8.13	6.07	12	0.88	10.63	42
8	15.00	1.63	10.63	4.38	8.63	10.25	7.98	12	1.00	13.00	67
10	17.50	1.88	12.75	4.63	10.75	12.63	10.02	16	1.13	15.25	91
12	20.50	2.00	15.00	5.13	12.75	14.75	12.00	16	1.25	17.75	140
14	23.00	2.13	16.25	5.63	14.00	16.75	13.25	20	1.25	20.25	180
16	25.50	2.25	18.50	5.75	16.00	19.00	15.25	20	1.38	22.50	250
18	28.00	2.38	21.00	6.25	18.00	21.00	17.25	24	1.38	24.75	320
20	30.50	2.50	23.00	6.38	20.00	23.13	19.25	24	1.38	27.00	400
22	33.00	2.63	25.25	6.50	22.00	25.25	21.25	24	1.63	29.25	465
24	36.00	2.75	27.25	6.63	24.00	27.63	23.25	24	1.63	32.00	580

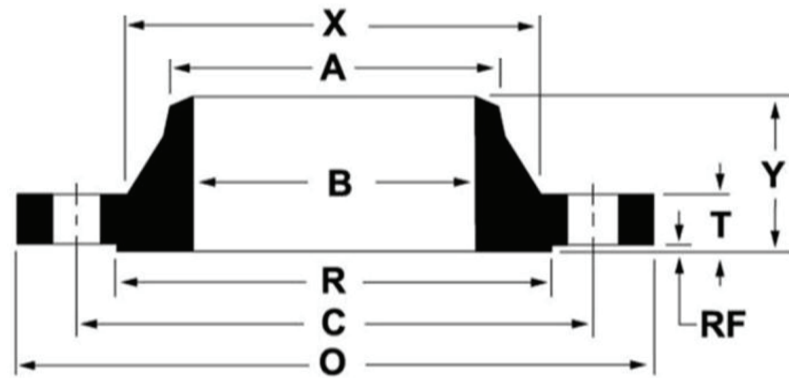
*All dimensions are in inches.
 These flanges will be furnished with a 1/16" raised face unless otherwise specified.
 Flat face option available.
 Standard Bore will be furnished unless otherwise specified.



ANSI B16.5 CLASS 600 WELDING NECK FLANGES

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)	Number of Holes	Diameter of Holes	Bolt Circle (C)	Approximate Weight (lbs)
½	3.75	0.56	1.38	2.06	0.84	1.50	Specified by purchaser	4	0.63	2.63	2
¾	4.63	0.63	1.69	2.25	1.05	1.88	Specified by purchaser	4	0.75	3.25	3
1	4.88	0.69	2.00	2.44	1.32	2.13	Specified by purchaser	4	0.75	3.50	4
1¼	5.25	0.81	2.50	2.63	1.66	2.50	Specified by purchaser	4	0.75	3.88	6
1½	6.13	0.88	2.88	2.75	1.90	2.75	Specified by purchaser	4	0.88	4.50	8
2	6.50	1.00	3.63	2.88	2.38	3.31	Specified by purchaser	8	0.75	5.00	12
2½	7.50	1.13	4.13	3.13	2.88	3.94	Specified by purchaser	8	0.88	5.88	18
3	8.25	1.25	5.00	3.25	3.50	4.63	Specified by purchaser	8	0.88	6.63	23
3½	9.00	1.38	5.50	3.38	4.00	5.25	Specified by purchaser	8	1.00	7.25	26
4	10.75	1.50	6.19	4.00	4.50	6.00	Specified by purchaser	8	1.00	8.50	42
5	13.00	1.75	7.13	4.50	5.56	7.44	Specified by purchaser	8	1.13	10.50	68
6	14.00	1.88	8.50	4.63	6.63	8.75	Specified by purchaser	12	1.13	11.50	81
8	16.50	2.19	10.63	5.25	8.63	10.75	Specified by purchaser	12	1.25	13.75	120
10	20.00	2.50	12.75	6.00	10.75	13.50	Specified by purchaser	16	1.38	17.00	190
12	22.00	2.63	15.00	6.13	12.75	15.75	Specified by purchaser	20	1.38	19.25	225
14	23.75	2.75	16.25	6.50	14.00	17.00	Specified by purchaser	20	1.50	20.75	280
16	27.00	3.00	18.50	7.00	16.00	19.50	Specified by purchaser	20	1.63	23.75	390
18	29.25	3.25	21.00	7.25	18.00	21.50	Specified by purchaser	20	1.75	25.75	475
20	32.00	3.50	23.00	7.50	20.00	24.00	Specified by purchaser	24	1.75	28.50	590
22	34.25	3.75	25.25	7.75	22.00	26.25	Specified by purchaser	24	1.88	30.63	720
24	37.00	4.00	27.25	8.00	24.00	28.25	Specified by purchaser	24	2.00	33.00	830

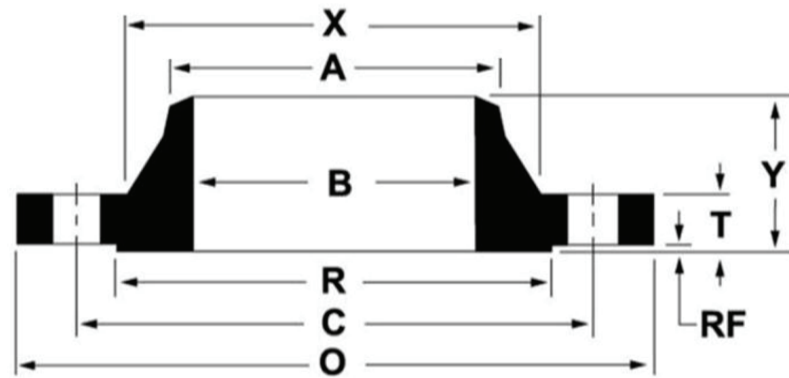
*All dimensions are in inches.
These flanges will be furnished with a 1/4" raised face unless otherwise specified.
Flat face option available.



ANSI B16.5 CLASS 900 WELDING NECK FLANGES

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)	Number of Holes	Diameter of Holes	Bolt Circle (C)	Approximate Weight (lbs)
½	4.75	0.88	1.38	2.36	0.84	1.50	Specified by purchaser	4	0.88	3.25	5
¾	5.13	1.00	1.69	2.75	1.05	1.75	Specified by purchaser	4	0.88	3.50	6
1	5.88	1.13	2.00	2.88	1.32	2.06	Specified by purchaser	4	1.00	4.00	9
1¼	6.25	1.13	2.50	2.88	1.66	2.50	Specified by purchaser	4	1.00	4.38	10
1½	7.00	1.25	2.88	3.25	1.90	2.75	Specified by purchaser	4	1.13	4.88	13
2	8.50	1.50	3.63	4.00	2.38	4.13	Specified by purchaser	8	1.00	6.50	25
2½	9.63	1.63	4.13	4.06	2.88	4.88	Specified by purchaser	8	1.13	7.50	36
3	9.50	1.50	5.00	4.00	4.00	5.00	Specified by purchaser	8	1.00	7.50	31
4	11.50	1.75	6.19	4.50	4.50	6.25	Specified by purchaser	8	1.25	9.25	53
5	13.75	2.00	7.13	5.00	5.56	7.50	Specified by purchaser	8	1.38	11.00	86
6	15.00	2.19	8.50	5.50	6.63	9.25	Specified by purchaser	12	1.25	12.50	110
8	18.50	2.50	10.63	6.38	8.63	11.75	Specified by purchaser	12	1.50	15.50	175
10	21.50	2.75	12.75	7.25	10.75	14.50	Specified by purchaser	16	1.50	18.50	260
12	24.00	3.13	15.00	7.88	12.75	16.50	Specified by purchaser	20	1.50	21.00	325
14	25.25	3.38	16.25	8.38	14.00	17.75	Specified by purchaser	20	1.63	22.00	400
16	27.75	3.50	18.50	8.50	16.00	20.00	Specified by purchaser	20	1.75	24.25	495
18	31.00	4.00	21.00	9.00	18.00	22.25	Specified by purchaser	20	2.00	27.00	680
20	33.75	4.25	23.00	9.75	20.00	24.50	Specified by purchaser	20	2.13	29.50	830
24	41.00	5.50	27.25	11.50	24.00	29.50	Specified by purchaser	20	2.63	35.50	1500

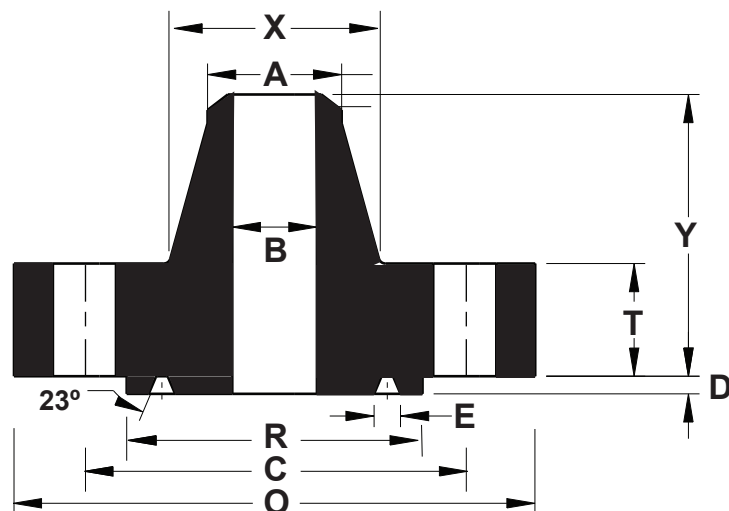
*All dimensions are in inches.
These flanges will be furnished with a 1/4" raised face unless otherwise specified.
Flat face option available.



ANSI B16.5 CLASS 1500 BLIND FLANGES

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Raised Face Diameter (R)	Lenght Thru Hub (Y)	Point of Weld (A)	Hub Diameter (X)	Bore (B)	Number of Holes	Diameter of Holes	Bolt Circle (C)	Approximate Weight (lbs)
½	4.75	0.88	1.38	2.36	0.84	1.50	Specified by purchaser	4	0.88	3.25	5
¾	5.13	1.00	1.69	2.75	1.05	1.75	Specified by purchaser	4	0.88	3.50	6
1	5.88	1.13	2.00	2.88	1.32	2.06	Specified by purchaser	4	1.00	4.00	9
1¼	6.25	1.13	2.50	2.88	1.66	2.50	Specified by purchaser	4	1.00	4.38	10
1½	7.00	1.25	2.88	3.25	1.90	2.75	Specified by purchaser	4	1.13	4.88	13
2	8.50	1.50	3.63	4.00	2.38	4.13	Specified by purchaser	8	1.00	6.50	25
2½	9.63	1.63	4.13	4.06	2.88	4.88	Specified by purchaser	8	1.13	7.50	36
3	10.50	1.85	5.00	4.63	3.50	5.25	Specified by purchaser	8	1.25	8.00	48
4	12.25	2.13	6.19	4.88	4.50	6.38	Specified by purchaser	8	1.38	9.50	73
5	14.75	2.88	7.13	6.13	5.56	7.75	Specified by purchaser	8	1.63	11.50	130
6	15.50	3.25	8.50	6.75	6.63	9.00	Specified by purchaser	12	1.50	12.50	165
8	19.00	3.63	10.63	8.38	8.63	11.75	Specified by purchaser	12	1.75	15.50	275
10	23.00	4.25	12.75	10.00	10.75	14.50	Specified by purchaser	12	2.00	19.00	455
12	26.50	4.88	15.00	11.13	12.75	17.75	Specified by purchaser	16	2.13	22.50	690
14	29.50	5.25	16.25	11.75	14.00	19.50	Specified by purchaser	16	2.38	25.00	940
16	32.50	5.75	18.50	12.25	16.00	21.75	Specified by purchaser	16	2.63	27.75	1250
18	36.00	6.38	21.00	12.88	18.00	23.50	Specified by purchaser	16	2.88	30.50	1625
20	38.75	7.00	23.00	14.00	20.00	25.25	Specified by purchaser	16	3.13	32.75	2050
24	46.00	8.00	27.25	16.00	24.00	30.00	Specified by purchaser	16	3.63	39.00	3325

*All dimensions are in inches.
These flanges will be furnished with a 1/4" raised face unless otherwise specified.
Flat face option available.



ANSI B16.5 CLASS 2500 WELDING NECK FLANGES RTJ

Nominal Pipe Size	Outside Diameter (O)	Thickness (T)	Grooved Face Diameter (R)	Lenght Thru Hub (Y)	Point of Weld (A)	Hub Diameter (X)	Bore (B)	Number of Holes	Diameter of Holes	Bolt Circle (C)	Grooved Thickness (D)	Grooved length (E)	Grooved Number	Approximate Weight (lbs)
2	9.25	2.00	5.25	5.00	2.38	3.75	Specified by purchaser	8	1.12	6.75	0.31	0.47	R26	42.10
3	12.00	2.62	6.63	6.62	3.50	5.25	Specified by purchaser	8	1.38	9.00	0.38	0.43	R32	94.13
4	14.00	3.00	8.00	7.50	4.50	6.50	Specified by purchaser	8	1.63	10.75	0.44	0.66	R38	146.16
6	19.00	4.25	11.00	10.75	6.63	9.25	Specified by purchaser	8	2.12	14.50	0.50	0.78	R47	378.31