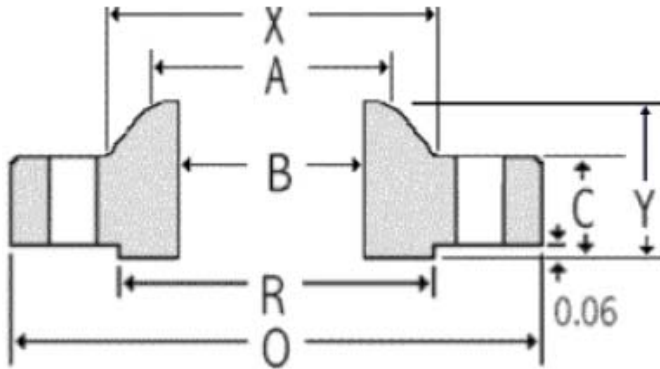
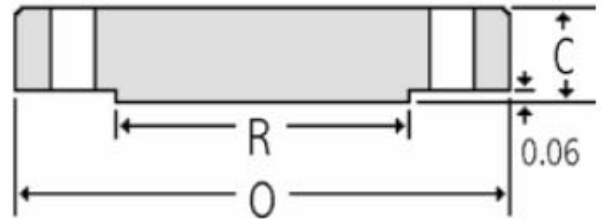


ANSI B16.47 Series A Class 150 Flanges



Weld Neck

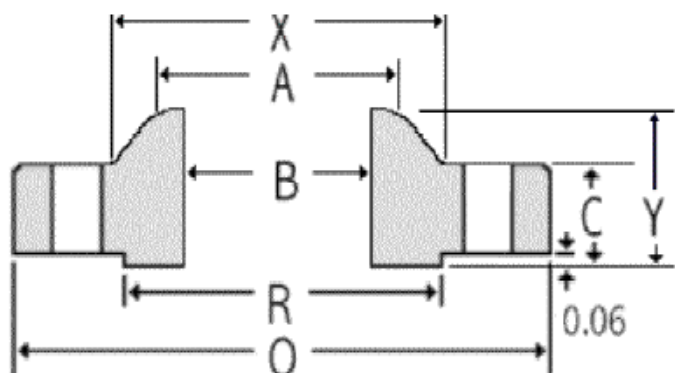


Blind

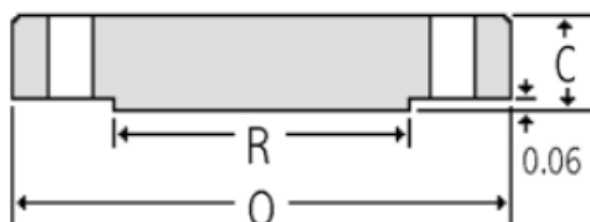
Nom. Pipe Size		Thickness							Drilling			Weight	
	OD	Weld Neck	Blind	OD RF	Dia at Base	Bore	LTH	Dia Bevel	Bolt Circle	Dia Holes	# Holes	Weld Neck	Blind
	O	C	C	R	X	B	Y	A					
26	34.25	2.69	2.69	29.50	26.62	To be specified by purchaser.	4.75	26.00	31.75	1.38	24.00	300	702
28	36.50	2.81	2.81	31.50	28.62		4.94	28.00	34.00	1.38	28.00	345	833
30	38.75	2.94	2.94	33.75	30.75		5.38	30.00	36.00	1.38	28.00	400	982
32	41.75	3.19	3.19	36.00	32.75		5.69	32.00	38.50	1.62	28.00	505	1237
34	43.75	3.25	3.25	38.00	34.75		5.88	34.00	40.50	1.62	32.00	540	1384
36	46.00	3.56	3.56	40.25	36.75		6.19	36.00	42.75	1.62	32.00	640	1676
38	48.75	3.44	3.44	42.25	39.00		6.19	38.00	45.25	1.62	32.00	720	1819
40	50.75	3.56	3.56	44.25	41.00		6.44	40.00	47.25	1.62	36.00	775	2040
42	53.00	3.81	3.81	47.00	43.00		6.75	42.00	49.50	1.62	36.00	890	2381
44	55.25	4.00	4.00	49.00	45.00		7.00	44.00	51.75	1.62	40.00	990	2717
46	57.25	4.06	4.06	51.00	47.12		7.31	46.00	53.75	1.62	40.00	1060	2961
48	59.50	4.25	4.25	53.50	49.12		7.56	48.00	56.00	1.62	44.00	1185	3348
50	61.75	4.38	4.38	55.50	51.25		8.00	50.00	58.25	1.88	44.00	1270	3716
52	64.00	4.56	4.56	57.50	53.25		8.25	52.00	60.50	1.88	44.00	1410	4156
54	66.25	4.75	4.75	59.50	55.25		8.50	54.00	62.75	1.88	44.00	1585	4639
56	68.75	4.88	4.88	62.00	57.38		9.00	56.00	65.00	1.88	48.00	1760	5132
58	71.00	5.06	5.06	64.00	59.38		9.25	58.00	67.25	1.88	48.00	1915	5675
60	73.00	5.19	5.19	66.00	61.38		9.44	60.00	69.25	1.88	52.00	2045	6154

Dimensions in inches. Weight in pounds.

ANSI B16.47 Series A Class 300 Flanges



Weld Neck Flange



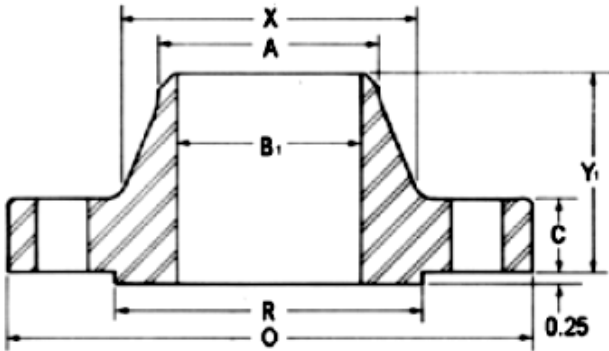
Blind Flange

Nom. Pipe Size	Thickness								Drilling			Weight	
	OD	Weld Neck	Blind	OD RF	Dia at Base	Bore	LTH	Dia Bevel	Bolt Circle	Dia Holes	# Holes	Weld Neck	Blind
	O	C	C	R	X	B	Y	A					
26	38.25	3.12	3.31	29.50	28.38	To be specified by purchaser.	7.25	26.00	34.50	1.75	28.00	605	1078
28	40.75	3.38	3.56	31.50	30.50		7.75	28.00	37.00	1.75	28.00	745	1315
30	43.00	3.62	3.75	33.75	32.56		8.25	30.00	39.25	1.88	28.00	870	1543
32	45.25	3.88	3.94	36.00	34.69		8.75	32.00	41.50	2.00	28.00	1005	1795
34	47.50	4.00	4.12	38.00	36.88		9.12	34.00	43.50	2.00	28.00	1145	2068
36	50.00	4.12	4.38	40.25	39.00		9.50	36.00	46.00	2.12	32.00	1275	2436
38	46.00	4.25	4.25	40.50	39.12		7.12	38.00	43.00	1.62	32.00	695	2001
40	48.75	4.50	4.50	42.75	41.25		7.62	40.00	45.50	1.75	32.00	840	2380
42	50.75	4.69	4.69	44.75	43.25		7.88	42.00	47.50	1.75	32.00	950	2688
44	53.25	4.88	4.88	47.00	45.25		8.12	44.00	49.75	1.88	32.00	1055	3079
46	55.75	5.06	5.06	49.00	47.38		8.50	46.00	52.00	2.00	28.00	1235	3499
48	57.75	5.25	5.25	51.25	49.38		8.81	48.00	54.00	2.00	32.00	1380	3896
50	60.25	5.50	5.50	53.50	51.38		9.12	50.00	56.25	2.12	32.00	1530	4442
52	62.25	5.69	5.69	55.50	53.38		9.38	52.00	58.25	2.12	32.00	1660	4906
54	65.25	6.00	6.00	57.75	55.50		9.94	54.00	61.00	2.38	28.00	2050	5684
56	67.25	6.06	6.06	59.75	57.62		10.25	56.00	63.00	2.38	28.00	2155	6098
58	69.25	6.25	6.25	62.00	59.62		10.50	58.00	65.00	2.38	32.00	2270	6669
60	71.25	6.44	6.44	64.00	61.62		10.75	60.00	67.00	2.38	32.00	2470	7274

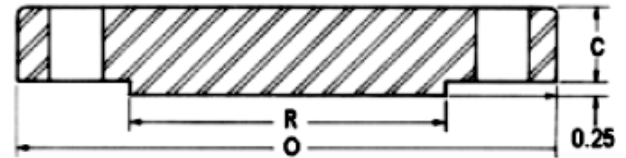
Dimensions in inches. Weights in pounds.

Note: Larger sizes as well as intermediate sizes can be furnished.

ANSI B16.47 Series A Class 400 Flanges



Weld Neck Flange



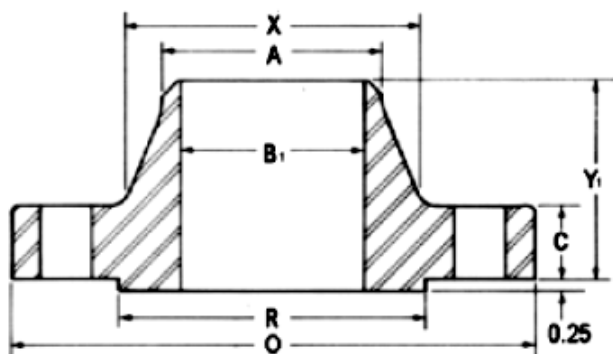
Blind Flange

Nom. Pipe Size	Thickness							Drilling			Weight	
	OD	Weld Neck	Blind	LTH	Dia at Base	Dia Bevel	OD RF	Bolt Circle	# Holes	Dia Holes	Weld Neck	Blind
	O	C	C	Y	X	A	R					
26	38.25	3.50	3.88	7.62	28.62	26.00	29.50	34.50	28.00	1.88	650	1263
28	40.75	3.75	4.12	8.12	30.81	28.00	31.50	37.00	28.00	2.00	785	1522
30	43.00	4.00	4.38	8.62	32.94	30.00	33.75	39.25	28.00	2.12	905	1802
32	45.25	4.25	4.56	9.12	35.00	32.00	36.00	41.50	28.00	2.12	1065	2077
34	47.50	4.38	4.81	9.50	37.19	34.00	38.00	43.50	28.00	2.12	1200	2415
36	50.00	4.50	5.06	9.88	39.38	36.00	40.25	46.00	32.00	2.12	1340	2815
38	47.50	4.88	4.88	8.12	39.50	38.00	40.75	44.00	32.00	1.88	935	2450
40	50.00	5.12	5.12	8.50	41.50	40.00	43.00	46.25	32.00	2.00	1090	2848
42	52.00	5.25	5.25	8.81	43.62	42.00	45.00	48.25	32.00	2.00	1190	3159
44	54.50	5.50	5.50	9.18	45.62	44.00	47.25	50.50	32.00	2.12	1375	3635
46	56.75	5.75	5.75	9.62	47.75	46.00	49.50	52.75	36.00	2.12	1525	4120
48	59.50	6.00	6.00	10.12	49.88	48.00	51.50	55.25	28.00	2.38	1790	4726
50	61.75	6.19	6.25	10.56	52.00	50.00	53.62	57.50	32.00	2.38	1950	5303
52	63.75	6.38	6.44	10.88	54.00	52.00	55.62	59.50	32.00	2.38	2125	5823
54	67.00	6.69	6.75	11.38	56.12	54.00	57.88	62.25	28.00	2.62	2565	6742
56	69.00	6.88	6.94	11.75	58.25	56.00	60.12	64.25	32.00	2.62	2710	7352
58	71.00	7.00	7.12	12.06	60.25	58.00	62.12	66.25	32.00	2.62	3230	7986
60	74.25	7.31	7.44	12.56	62.38	60.00	64.38	69.00	32.00	2.88	3820	9126

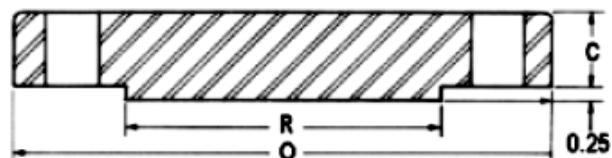
Dimensions in inches. Weights in pounds.

Note: Larger sizes as well as intermediate sizes can be furnished.

ANSI B16.47 Series A Class 600 Flanges



Weld Neck Flange



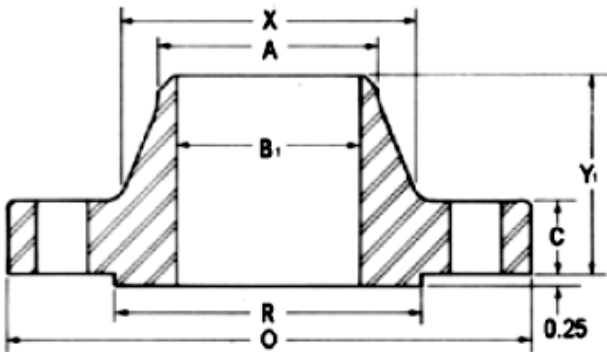
Blind Flange

Nom. Pipe Size	Thickness							Drilling			Weight	
	OD	Weld Neck	Blind	LTH	Dia at Base	Dia Bevel	OD RF	Bolt Circle	# Holes	Dia Holes	Weld Neck	Blind
	O	C	C	Y	X	A	R					
26	40.00	4.25	4.94	8.75	29.44	26.00	29.50	36.00	28.00	2.00	940	1759
28	42.25	4.38	5.19	9.25	31.62	28.00	31.50	38.00	28.00	2.12	1060	2061
30	44.50	4.50	5.50	9.75	33.94	30.00	33.75	40.25	28.00	2.12	1210	2423
32	47.00	4.62	5.81	10.25	36.12	32.00	36.00	42.50	28.00	2.38	1375	2856
34	49.00	4.75	6.06	10.62	38.31	34.00	38.00	44.50	28.00	2.38	1540	3237
36	51.75	4.88	6.38	11.12	40.62	36.00	40.25	47.00	28.00	2.62	1705	3802
38	50.00	6.00	6.12	10.00	40.25	38.00	41.50	45.75	28.00	2.38	1470	3404
40	52.00	6.25	6.38	10.38	42.25	40.00	43.75	47.75	32.00	2.38	1630	3838
42	55.25	6.62	6.75	11.00	44.38	42.00	46.00	50.50	28.00	2.62	2030	4585
44	57.25	6.81	7.00	11.38	46.50	44.00	48.25	52.50	32.00	2.62	2160	5105
46	59.50	7.06	7.31	11.81	48.62	46.00	50.25	54.75	32.00	2.62	2410	5758
48	62.75	7.44	7.69	12.44	50.75	48.00	52.50	57.50	32.00	2.88	2855	6737
50	65.75	7.75	8.00	12.94	52.88	50.00	54.50	60.00	28.00	3.12	3330	7695
52	67.75	8.00	8.25	13.25	54.88	52.00	56.50	62.00	32.00	3.12	3560	8426
54	70.00	8.25	8.56	13.75	57.00	54.00	58.75	64.25	32.00	3.12	3920	9333
56	73.00	8.56	8.88	14.25	59.12	56.00	60.75	66.75	32.00	3.38	4280	10529
58	75.00	8.75	9.12	14.56	61.12	58.00	63.00	68.75	32.00	3.38	4640	11414
60	78.50	9.19	9.56	15.31	63.38	60.00	65.25	71.75	28.00	3.62	5000	13108

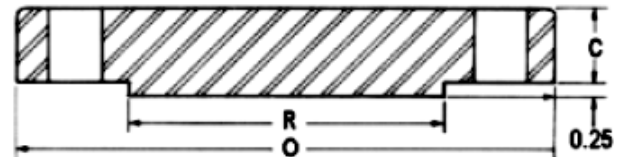
Dimensions in inches. Weights in pounds.

Note: Larger sizes as well as intermediate sizes can be furnished.

ANSI B16.47 Series A Class 900 Flanges



Weld Neck Flange



Blind Flange

Nom. Pipe Size	Thickness							Drilling			Weight	
	OD	Weld Neck	Blind	LTH	Dia at Base	Dia Bevel	OD RF	Bolt Circle	# Holes	Dia Holes	Weld Neck	Blind
	O	C	C	Y	X	A	R					
26	42.75	5.50	6.31	11.25	30.50	26.00	29.50	37.50	20.00	2.88	1,525	2,566
28	46.00	5.62	6.75	11.75	32.75	28.00	31.50	40.25	20.00	3.12	1,810	3,178
30	48.50	5.88	7.18	12.25	35.00	30.00	33.75	42.75	20.00	3.12	2,120	3,758
32	51.75	6.25	7.62	13.00	37.25	32.00	36.00	45.50	20.00	3.38	2,545	4,541
34	55.00	6.50	8.06	13.75	39.62	34.00	38.00	48.25	20.00	3.62	2,970	5,425
36	57.50	6.75	8.44	14.25	41.88	36.00	40.25	50.75	20.00	3.62	3,395	6,209
38	57.50	7.50	8.50	13.88	42.25	38.00	43.25	50.75	20.00	3.62	3,385	6,253
40	59.50	7.75	8.81	14.31	44.38	40.00	45.75	52.75	24.00	3.62	3,620	6,940
42	61.50	8.12	9.12	14.62	46.31	42.00	47.75	54.75	24.00	3.62	3,960	7,675
44	64.88	8.44	9.56	15.38	48.62	44.00	50.00	57.62	24.00	3.88	4,300	8,954
46	68.25	8.88	10.06	16.18	50.88	46.00	52.50	60.50	24.00	4.12	4,640	10,426
48	70.25	9.19	10.38	16.50	52.88	48.00	54.50	62.50	24.00	4.12	4,980	11,398

Dimensions in inches. Weights in pounds.

Note: Larger sizes as well as intermediate sizes can be furnished.