

Dimensions ASME B16.47 Series B - Class 75 Blind Flanges


Pipe	Minimum Thickness of Flange, t_f [Note (1)]		Raised Face	Drilling				Length of Bolts, L [Notes (2), (3)] Stud Bolts
Nominal Pipe Size	O.D. of Flange, O	Blind Flange	Raised Face Diam., R	Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole, in.	Diam. of Bolt, in.	Raised Face 1.6 mm
26	760	31.8	705	723.9	36	3/4	5/8	115
28	813	31.8	756	774.7	40	3/4	5/8	115
30	864	31.8	806	825.5	44	3/4	5/8	115
32	914	35.1	857	876.3	48	3/4	5/8	120
34	965	36.6	908	927.1	52	3/4	5/8	120
36	1 034	40.9	965	992.1	40	7/8	3/4	130
38	1 084	42.9	1 016	1 042.9	40	7/8	3/4	130
40	1 135	42.9	1 067	1 093.7	44	7/8	3/4	130
42	1 186	46.2	1 118	1 144.5	48	7/8	3/4	135
44	1 251	47.8	1 175	1 203.5	36	1	7/8	150
46	1 302	49.3	1 226	1 254.3	40	1	7/8	150
48	1 353	52.6	1 276	1 305.1	44	1	7/8	160
50	1 403	54.1	1 327	1 355.9	44	1	7/8	160
52	1 457	55.6	1 378	1 409.7	48	1	7/8	160
54	1 508	58.9	1 429	1 460.5	48	1	7/8	160
56	1 575	60.5	1 486	1 521.0	40	1 1/8	1	170
58	1 626	62	1 537	1 571.8	44	1 1/8	1	180
60	1 676	65.3	1 588	1 622.6	44	1 1/8	1	185

NOTES:

Dimensions are in millimeters unless otherwise noted.

(1) The minimum flange thickness does not include the raised face thickness.

(2) The length of the stud bolt does not include the height of the points.

(3) Bolt lengths not shown in the table may be determined in accordance with Nonmandatory Appendix D.

Dimensions ASME B16.47 Series B - Class 150 Blind Flanges


Pipe	Minimum Thickness of Flange, tf [Note (1)]		Raised Face	Drilling				Length of Bolts, L [Notes (2), (3)] Stud Bolts
Nominal Pipe Size	O.D. of Flange, O	Blind Flange	Raised Face Diam., R	Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole, in.	Diam. of Bolt, in.	Raised Face 1.6 mm
26	786	42.9	711	744.5	36	7/8	3/4	140
28	837	46.2	762	795.3	40	7/8	3/4	145
30	887	49.3	813	846.1	44	7/8	3/4	145
32	941	52.6	864	900.2	48	7/8	3/4	150
34	1 005	55.6	921	957.3	40	1	7/8	165
36	1 057	57.2	972	1 009.6	44	1	7/8	165
38	1 124	62	1 022	1 069.8	40	1 1/8	1	185
40	1 175	65.3	1 080	1 120.6	44	1 1/8	1	185
42	1 226	66.8	1 130	1 171.4	48	1 1/8	1	190
44	1 276	69.8	1 181	1 222.2	52	1 1/8	1	195
46	1 341	73.2	1 235	1 284.2	40	1 1/4	1 1/8	205
48	1 392	76.2	1 289	1 335.0	44	1 1/4	1 1/8	210
50	1 443	79.5	1 340	1 385.8	48	1 1/4	1 1/8	215
52	1 494	82.6	1 391	1 436.6	52	1 1/4	1 1/8	220
54	1 549	85.9	1 441	1 492.2	56	1 1/4	1 1/8	225
56	1 600	88.9	1 492	1 543.0	60	1 1/4	1 1/8	225
58	1 675	91.9	1 543	1 611.4	48	1 3/8	1 1/4	235
60	1 726	95.2	1 600	1 662.2	52	1 3/8	1 1/4	240

NOTES:

Dimensions are in millimeters unless otherwise noted.

(1) The minimum flange thickness does not include the raised face thickness.

(2) The length of the stud bolt does not include the height of the points.

(3) Bolt lengths not shown in the table may be determined in accordance with Nonmandatory Appendix D.

Dimensions ASME B16.47 Series B - Class 300 Blind Flanges


Pipe	Minimum Thickness of Flange, t_f [Note (1)]		Raised Face	Drilling				Length of Bolts, L [Notes (2), (3)] Stud Bolts
Nominal Pipe Size	O.D. of Flange, O	Blind Flange	Raised Face Diam., R	Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole, in.	Diam. of Bolt, in.	Raised Face 1.6 mm
26	867	87.4	737	803.1	32	1 3/8	1 1/4	270
28	921	87.4	787	857.2	36	1 3/8	1 1/4	270
30	991	92.2	845	920.8	36	1 1/2	1 3/8	285
32	1 054	101.6	902	977.9	32	1 5/8	1 1/2	310
34	1 108	101.6	952	1 031.7	36	1 5/8	1 1/2	310
36	1 171	101.6	1 010	1 089.2	32	1 3/4	1 5/8	320
38	1 222	109.5	1 060	1 140.0	36	1 3/4	1 5/8	335
40	1 273	114.3	1 115	1 190.8	40	1 3/4	1 5/8	345
42	1 334	117.6	1 168	1 244.6	36	1 7/8	1 3/4	355
44	1 384	125.5	1 219	1 295.4	40	1 7/8	1 3/4	370
46	1 460	128.5	1 270	1 365.2	36	2	1 7/8	380
48	1 511	133.4	1 327	1 416.0	40	2	1 7/8	380
50	1 562	138.2	1 378	1 466.8	44	2	1 7/8	400
52	1 613	142.5	1 429	1 517.6	48	2	1 7/8	410
54	1 673	147.6	1 480	1 577.8	48	2	1 7/8	400
56	1 765	155.4	1 537	1 651.0	36	2 3/8	2 1/4	450
58	1 827	160.3	1 594	1 713.0	40	2 3/8	2 1/4	450
60	1 878	165.1	1 651	1 763.8	40	2 3/8	2 1/4	450

NOTES:

Dimensions are in millimeters unless otherwise noted.

(1) The minimum flange thickness does not include the raised face thickness.

(2) The length of the stud bolt does not include the height of the points.

(3) Bolt lengths not shown in the table may be determined in accordance with Nonmandatory Appendix D.

Dimensions ASME B16.47 Series B - Class 400 Blind Flanges


Pipe	Minimum Thickness of Flange, tf [Note (1)]		Raised Face	Drilling				Length of Bolts, L [Notes (2), (3)] Stud Bolts
Nominal Pipe Size	O.D. of Flange, O	Blind Flange	Raised Face Diam., R	Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole, in.	Diam. of Bolt, in.	Raised Face 6.4 mm
26	851	88.9	711	781	28	1 1/2	1 3/8	290
28	914	95.2	762	838.2	24	1 5/8	1 1/2	310
30	972	101.6	819	895.4	28	1 5/8	1 1/2	320
32	1 035	108	873	952.5	28	1 3/4	1 5/8	345
34	1 086	111.3	927	1 003.3	32	1 3/4	1 5/8	345
36	1 156	119.1	981	1 066.8	28	1 7/8	1 3/4	370
38	...	...	...	...	...	...	...	...
40	...	...	...	...	...	...	...	...
42	...	...	...	...	...	...	...	...
44	...	...	...	...	...	...	...	...
46	...	...	...	...	...	...	...	...
48	...	...	...	...	...	...	...	...
50	...	...	...	...	...	...	...	...
52	...	...	...	...	...	...	...	...
54	...	...	...	...	...	...	...	...
56	...	...	...	...	...	...	...	...
58	...	...	...	...	...	...	...	...
60	...	...	...	...	...	...	...	...

NOTES:

Dimensions are in millimeters unless otherwise noted.

(1) The minimum flange thickness does not include the raised face thickness.

(2) The length of the stud bolt does not include the height of the points.

(3) Bolt lengths not shown in the table may be determined in accordance with Nonmandatory Appendix D.

Dimensions ASME B16.47 Series B - Class 600 Blind Flanges


Pipe	Minimum Thickness of Flange, t_f [Note (1)]		Raised Face	Drilling				Length of Bolts, L [Notes (2), (3)] Stud Bolts
Nominal Pipe Size	O.D. of Flange, O	Blind Flange	Raised Face Diam., R	Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole, in.	Diam. of Bolt, in.	Raised Face 6.4 mm
26	889	111.3	727	806.4	28	1 3/4	1 5/8	360
28	952	115.8	784	863.6	28	1 7/8	1 3/4	375
30	1 022	127	841	927.1	28	2	1 7/8	395
32	1 086	134.9	895	984.2	28	2 1/8	2	415
34	1 162	144.3	952	1 054.1	24	2 3/8	2 1/4	440
36	1 213	150.9	1 010	1 104.9	28	2 3/8	2 1/4	460
38	...	...	...	...	...	...	...	...
40	...	...	...	...	...	...	...	...
42	...	...	...	...	...	...	...	...
44	...	...	...	...	...	...	...	...
46	...	...	...	...	...	...	...	...
48	...	...	...	...	...	...	...	...
50	...	...	...	...	...	...	...	...
52	...	...	...	...	...	...	...	...
54	...	...	...	...	...	...	...	...
56	...	...	...	...	...	...	...	...
58	...	...	...	...	...	...	...	...
60	...	...	...	...	...	...	...	...

NOTES:

Dimensions are in millimeters unless otherwise noted.

(1) The minimum flange thickness does not include the raised face thickness.

(2) The length of the stud bolt does not include the height of the points.

(3) Bolt lengths not shown in the table may be determined in accordance with Nonmandatory Appendix D.

Dimensions ASME B16.47 Series B - Class 900 Blind Flanges


Pipe	Minimum Thickness of Flange, t_f [Note (1)]		Raised Face	Drilling				Length of Bolts, L [Notes (2), (3)] Stud Bolts
Nominal Pipe Size	O.D. of Flange, O	Blind Flange	Raised Face Diam., R	Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole, in.	Diam. of Bolt, in.	Raised Face 6.4 mm
26	1 022	153.9	762	901.7	20	2 5/8	2 1/2	450
28	1 105	166.6	819	971.6	20	2 7/8	2 3/4	495
30	1 181	176	876	1 035.0	20	3 1/8	3	510
32	1 238	185.7	927	1 092.2	20	3 1/8	3	530
34	1 314	195	991	1 155.7	20	3 3/8	3 1/4	565
36	1 346	201.7	1 029	1 200.2	24	3 1/8	3	570
38	...	...	...	...	...	...	...	...
40	...	...	...	...	...	...	...	...
42	...	...	...	...	...	...	...	...
44	...	...	...	...	...	...	...	...
46	...	...	...	...	...	...	...	...
48	...	...	...	...	...	...	...	...
50	...	...	...	...	...	...	...	...
52	...	...	...	...	...	...	...	...
54	...	...	...	...	...	...	...	...
56	...	...	...	...	...	...	...	...
58	...	...	...	...	...	...	...	...
60	...	...	...	...	...	...	...	...

NOTES:

Dimensions are in millimeters unless otherwise noted.

(1) The minimum flange thickness does not include the raised face thickness.

(2) The length of the stud bolt does not include the height of the points.

(3) Bolt lengths not shown in the table may be determined in accordance with Nonmandatory Appendix D.