

Dimensions ASME B16.47 Series A - 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	870	66.8	749	806.4	24	1 3/8	1 1/4	225
28	927	69.8	800	863.6	28	1 3/8	1 1/4	230
30	984	73.2	857	914.4	28	1 3/8	1 1/4	235
32	1 060	79.5	914	977.9	28	1 5/8	1 1/2	265
34	1 111	81	965	1 028.7	32	1 5/8	1 1/2	270
36	1 168	88.9	1 022	1 085.8	32	1 5/8	1 1/2	285
38	1 238	85.9	1 073	1 149.4	32	1 5/8	1 1/2	280
40	1 289	88.9	1 124	1 200.2	36	1 5/8	1 1/2	285
42	1 346	95.2	1 194	1 257.3	36	1 5/8	1 1/2	300
44	1 403	100.1	1 245	1 314.4	40	1 5/8	1 1/2	305
46	1 454	101.6	1 295	1 365.2	40	1 5/8	1 1/2	310
48	1 511	106.4	1 359	1 422.4	44	1 5/8	1 1/2	320
50	1 568	109.7	1 410	1 479.6	44	1 7/8	1 3/4	340
52	1 626	114.3	1 461	1 536.7	44	1 7/8	1 3/4	350
54	1 683	119.1	1 511	1 593.8	44	1 7/8	1 3/4	360
56	1 746	122.4	1 575	1 651.0	48	1 7/8	1 3/4	365
58	1 803	127	1 626	1 708.2	48	1 7/8	1 3/4	380
60	1 854	130.3	1 676	1 759.0	52	1 7/8	1 3/4	380

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 A - Class 300 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	Ring Joint
26	972	82.6	749	876.3	28	1 3/4	1 5/8	270	290
28	1 035	88.9	800	939.8	28	1 3/4	1 5/8	280	300
30	1 092	93.7	857	997	28	1 7/8	1 3/4	300	320
32	1 149	98.6	914	1 054.1	28	2	1 7/8	320	345
34	1 206	103.4	965	1 104.9	28	2	1 7/8	330	350
36	1 270	109.7	1 022	1 168.4	32	2 1/8	2	340	365
38	1 168	106.4	1 029	1 092.2	32	1 5/8	1 1/2	320	...
40	1 238	112.8	1 086	1 155.7	32	1 3/4	1 5/8	340	...
42	1 289	117.6	1 137	1 206.5	32	1 3/4	1 5/8	350	...
44	1 353	122.4	1 194	1 263.6	32	1 7/8	1 3/4	365	...
46	1 416	127	1 245	1 320.8	28	2	1 7/8	380	...
48	1 467	131.8	1 302	1 371.6	32	2	1 7/8	390	...
50	1 530	138.2	1 359	1 428.8	32	2 1/8	2	410	...
52	1 581	143	1 410	1 479.6	32	2 1/8	2	420	...
54	1 657	150.9	1 467	1 549.4	28	2 3/8	2 1/4	450	...
56	1 708	152.4	1 518	1 600.2	28	2 3/8	2 1/4	450	...
58	1 759	157.2	1 575	1 651.0	32	2 3/8	2 1/4	465	...
60	1 810	160.1	1 626	1 701.8	32	2 3/8	2 1/4	475	...

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 A - Class 400 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	Ring Joint
26	972	98.6	749	876.3	28	1 7/8	1 3/4	310	320
28	1 035	104.6	800	939.8	28	2	1 7/8	330	340
30	1 092	111.3	857	997	28	2 1/8	2	345	360
32	1 149	115.8	914	1 054.1	28	2 1/8	2	360	375
34	1 206	122.2	965	1 104.9	28	2 1/8	2	365	380
36	1 270	128.5	1 022	1 168.4	32	2 1/8	2	375	385
38	1 206	124	1 035	1 117.6	32	1 7/8	1 3/4	380	...
40	1 270	130	1 092	1 174.8	32	2	1 7/8	405	...
42	1 321	133.4	1 143	1 225.6	32	2	1 7/8	405	...
44	1 384	139.7	1 200	1 282.7	32	2 1/8	2	425	...
46	1 441	146	1 257	1 339.8	36	2 1/8	2	435	...
48	1 511	152.4	1 308	1 403.4	28	2 3/8	2 1/4	460	...
50	1 568	158.8	1 362	1 460.5	32	2 3/8	2 1/4	470	...
52	1 619	163.6	1 413	1 511.3	32	2 3/8	2 1/4	480	...
54	1 702	171.4	1 470	1 581.2	28	2 5/8	2 1/2	510	...
56	1 753	176.3	1 527	1 632.0	32	2 5/8	2 1/2	520	...
58	1 803	180.8	1 578	1 682.8	32	2 5/8	2 1/2	530	...
60	1 886	189	1 635	1 752.6	32	2 7/8	2 3/4	560	...

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 A - 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	Ring Joint
26	1 016	125.5	749	914.4	28	2	1 7/8	355	365
28	1 073	131.8	800	965.2	28	2 1/8	2	365	375
30	1 130	139.7	857	1 022.4	28	2 1/8	2	375	385
32	1 194	147.6	914	1 079.5	28	2 3/8	2 1/4	390	405
34	1 245	153.9	965	1 130.3	28	2 3/8	2 1/4	400	410
36	1 314	162.1	1 022	1 193.8	28	2 5/8	2 1/2	415	430
38	1 270	155.4	1 054	1 162.0	28	2 3/8	2 1/4	465	...
40	1 321	162.1	1 111	1 212.8	32	2 3/8	2 1/4	480	...
42	1 403	171.4	1 168	1 282.7	28	2 5/8	2 1/2	510	...
44	1 454	177.8	1 226	1 333.5	32	2 5/8	2 1/2	520	...
46	1 511	185.7	1 276	1 390.6	32	2 5/8	2 1/2	530	...
48	1 594	195.3	1 334	1 460.5	32	2 7/8	2 3/4	565	...
50	1 670	203.2	1 384	1 524.0	28	3 1/8	3	595	...
52	1 721	209.6	1 435	1 574.8	32	3 1/8	3	605	...
54	1 778	217.4	1 492	1 632.0	32	3 1/8	3	620	...
56	1 854	225.6	1 543	1 695.4	32	3 3/8	3 1/4	645	...
58	1 905	231.6	1 600	1 746.2	32	3 3/8	3 1/4	655	...
60	1 994	242.8	1 657	1 822.4	28	3 5/8	3 1/2	690	...

NOTES:

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(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 A - Class 900 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	Ring Joint
26	1 086	160.3	749	952.5	20	2 7/8	2 3/4	465	485
28	1 168	171.4	800	1 022.4	20	3 1/8	3	485	505
30	1 232	182.4	857	1 085.8	20	3 1/8	3	495	520
32	1 314	193.5	914	1 155.7	20	3 3/8	3 1/4	530	550
34	1 397	204.7	965	1 225.6	20	3 5/8	3 1/2	555	580
36	1 460	214.4	1 022	1 289.0	20	3 5/8	3 1/2	565	595
38	1 460	215.9	1 099	1 289.0	20	3 5/8	3 1/2	605	...
40	1 511	223.8	1 162	1 339.8	24	3 5/8	3 1/2	620	...
42	1 562	231.6	1 213	1 390.6	24	3 5/8	3 1/2	635	...
44	1 648	242.8	1 270	1 463.5	24	3 7/8	3 3/4	665	...
46	1 734	255.5	1 334	1 536.7	24	4 1/8	4	700	...
48	1 784	263.7	1 384	1 587.5	24	4 1/8	4	715	...
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.