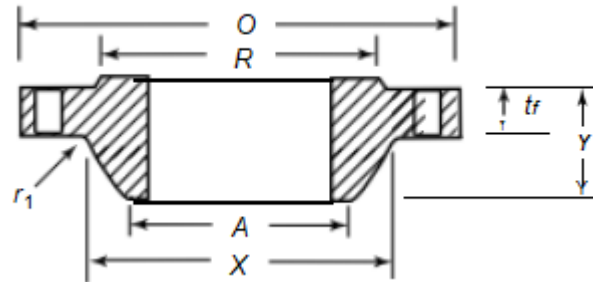




ASME B16.47 Series B – Class 75 Weld Neck Flanges



JINIE TECHNOLOGY (JIANGSU) CO., LTD.

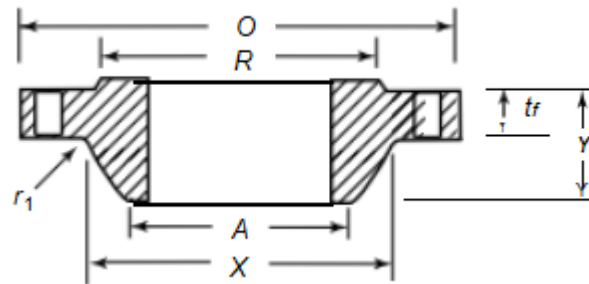
Pipe	Minimum Thickness of Flange, tf [Note (1)]		Hub Data			Raised Face	Drilling				Radius	Length of Bolts, L [Notes (4), (5)] Stud Bolts
Nominal Pipe Size	O.D. of Flange, O	Weld Neck Flange	Length Through Hub, Y	Diam. of Hub, X [Note (2)]	Hub Diam. Top, A [Note (3)]	Raised Face Diam., R	Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole, in.	Diam. of Bolt, in.	Minimum Fillet Radius, r1	Raised Face 1.6 mm
26	760	31.8	57	676	661.9	705	723.9	36	3/4	5/8	8	115
28	813	31.8	60	727	712.7	756	774.7	40	3/4	5/8	8	115
30	864	31.8	64	778	763.5	806	825.5	44	3/4	5/8	8	115
32	914	33.5	68	829	814.3	857	876.3	48	3/4	5/8	8	120
34	965	33.5	72	879	865.1	908	927.1	52	3/4	5/8	8	120
36	1 034	35.1	84	935	915.9	965	992.1	40	7/8	3/4	10	130
38	1 084	36.6	87	986	966.7	1 016	1 042.9	40	7/8	3/4	10	130
40	1 135	36.6	91	1 037	1 017.5	1 067	1 093.7	44	7/8	3/4	10	130
42	1 186	38.1	94	1 087	1 068.3	1 118	1 144.5	48	7/8	3/4	10	135
44	1 251	41.4	103	1 140	1 119.1	1 175	1 203.5	36	1	7/8	10	150
46	1 302	42.9	106	1 191	1 169.9	1 226	1 254.3	40	1	7/8	10	150
48	1 353	44.6	110	1 242	1 220.7	1 276	1 305.1	44	1	7/8	10	160
50	1 403	46.2	114	1 294	1 271.5	1 327	1 355.9	44	1	7/8	10	160
52	1 457	46.2	119	1 345	1 322.3	1 378	1 409.7	48	1	7/8	10	160
54	1 508	47.8	124	1 397	1 373.1	1 429	1 460.5	48	1	7/8	10	160
56	1 575	49.3	133	1 451	1 423.9	1 486	1 521.0	40	11/8	1	11	170
58	1 626	50.8	137	1 502	1 474.7	1 537	1 571.8	44	11/8	1	11	180

JINIE TECHNOLOGY (JIANGSU) CO., LTD.

60	1 676	54.1	143	1 553	1 525.5	1 588	1 622.6	44	11/8	1	11	185
----	-------	------	-----	-------	---------	-------	---------	----	------	---	----	-----



ASME B16.47 Series B – Class 150 Weld Neck Flanges

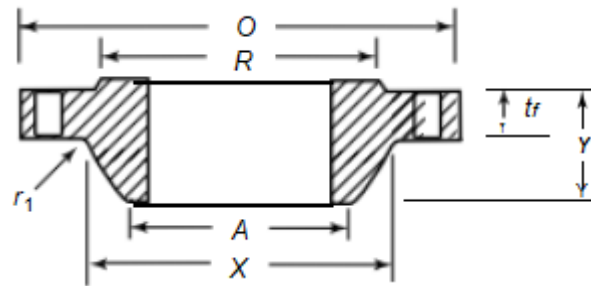


JINIE TECHNOLOGY (JIANGSU) CO., LTD.

Pipe	Minimum Thickness of Flange, tf [Note (1)]		Hub Data			Raised Face	Drilling				Radius	Length of Bolts, L [Notes (4), (5)] Stud Bolts
Nominal Pipe Size	O.D. of Flange, O	Weld Neck Flange	Length Through Hub, Y	Diam. of Hub, X [Note (2)]	Hub Diam. Top, A [Note (3)]	Raised Face Diam., R	Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole, in.	Diam. of Bolt, in.	Minimum Fillet Radius, r1	Raised Face 1.6 mm
26	786	39.9	87	684	661.9	711	744.5	36	7/8	3/4	10	140
28	837	42.9	94	735	712.7	762	795.3	40	7/8	3/4	10	145
30	887	42.9	98	787	763.5	813	846.1	44	7/8	3/4	10	145
32	941	44.4	106	840	814.3	864	900.2	48	7/8	3/4	10	150
34	1 005	47.8	109	892	865.1	921	957.3	40	1	7/8	10	165
36	1 057	50.8	116	945	915.9	972	1 009.6	44	1	7/8	10	165
38	1 124	52.6	122	997	968.2	1 022	1 069.8	40	1 1/8	1	10	185
40	1 175	54.1	127	1 049	1 019.0	1 080	1 120.6	44	1 1/8	1	10	185
42	1 226	57.2	132	1 102	1 069.8	1 130	1 171.4	48	1 1/8	1	11	190
44	1 276	58.9	135	1 153	1 120.6	1 181	1 222.2	52	1 1/8	1	11	195
46	1 341	60.5	143	1 205	1 171.4	1 235	1 284.2	40	1 1/4	1 1/8	11	205
48	1 392	63.5	148	1 257	1 222.2	1 289	1 335.0	44	1 1/4	1 1/8	11	210
50	1 443	66.8	152	1 308	1 273.0	1 340	1 385.8	48	1 1/4	1 1/8	11	215
52	1 494	68.3	156	1 360	1 323.8	1 391	1 436.6	52	1 1/4	1 1/8	11	220
54	1 549	69.8	161	1 413	1 374.6	1 441	1 492.2	56	1 1/4	1 1/8	11	225
56	1 600	71.6	165	1 465	1 425.4	1 492	1 543.0	60	1 1/4	1 1/8	14	225
58	1 675	73.2	173	1 516	1 476.2	1 543	1 611.4	48	1 3/8	1 1/4	14	235
60	1 726	74.7	178	1 570	1 527.0	1 600	1 662.2	52	1 3/8	1 1/4	14	240



ASME B16.47 Series B – Class 300 Weld Neck Flanges

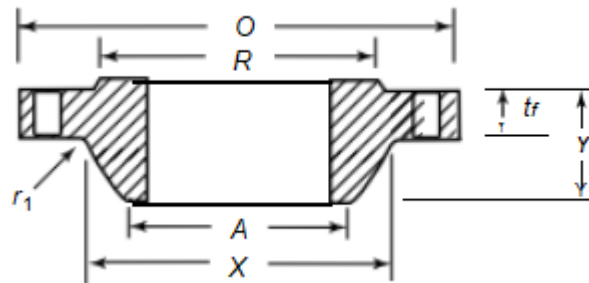


JINIE TECHNOLOGY (JIANGSU) CO., LTD.

Pipe	Minimum Thickness of Flange, tf [Note (1)]		Hub Data			Raised Face	Drilling				Radius	Length of Bolts, L [Notes (4), (5)] Stud Bolts
Nominal Pipe Size	O.D. of Flange, O	Weld Neck Flange	Length Through Hub, Y	Diam. of Hub, X [Note (2)]	Hub Diam. Top, A [Note (3)]	Raised Face Diam., R	Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole, in.	Diam. of Bolt, in.	Minimum Fillet Radius, r1	Raised Face 1.6 mm
26	867	87.4	143	702	665.2	737	803.1	32	1 3/8	1 1/4	14	270
28	921	87.4	148	756	716	787	857.2	36	1 3/8	1 1/4	14	270
30	991	92.2	156	813	768.4	845	920.8	36	1 1/2	1 3/8	14	285
32	1 054	101.6	167	864	819.2	902	977.9	32	1 5/8	1 1/2	16	310
34	1 108	101.6	171	917	870	952	1 031.7	36	1 5/8	1 1/2	16	310
36	1 171	101.6	179	965	920.8	1 010	1 089.2	32	1 3/4	1 5/8	16	320
38	1 222	109.5	190	1 016	971.6	1 060	1 140.0	36	1 3/4	1 5/8	16	335
40	1 273	114.3	197	1 067	1 022.4	1 115	1 190.8	40	1 3/4	1 5/8	16	345
42	1 334	117.6	203	1 118	1 074.7	1 168	1 244.6	36	1 7/8	1 3/4	16	355
44	1 384	125.5	213	1 173	1 125.5	1 219	1 295.4	40	1 7/8	1 3/4	16	370
46	1 460	127	221	1 229	1 176.3	1 270	1 365.2	36	2	1 7/8	16	380
48	1 511	127	222	1 278	1 227.1	1 327	1 416.0	40	2	1 7/8	16	380
50	1 562	136.7	233	1 330	1 277.9	1 378	1 466.8	44	2	1 7/8	16	400
52	1 613	141.2	241	1 383	1 328.7	1 429	1 517.6	48	2	1 7/8	16	410
54	1 673	135.1	238	1 435	1 379.5	1 480	1 577.8	48	2	1 7/8	16	400
56	1 765	152.4	267	1 494	1 430.3	1 537	1 651.0	36	2 3/8	2 1/4	17	450
58	1 827	152.4	273	1 548	1 481.1	1 594	1 713.0	40	2 3/8	2 1/4	17	450
60	1 878	149.4	270	1 599	1 531.9	1 651	1 763.8	40	2 3/8	2 1/4	17	450



ASME B16.47 Series B – Class 400 Weld Neck Flanges

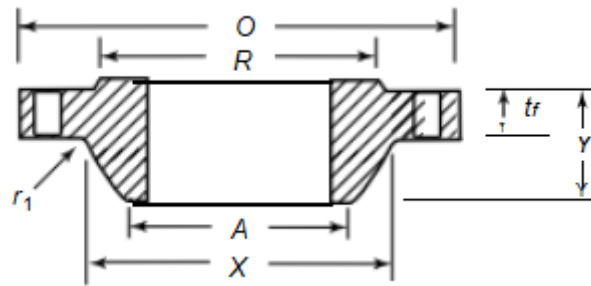


JINIE TECHNOLOGY (JIANGSU) CO., LTD.

Pipe	Minimum Thickness of Flange, tf [Note (1)]		Hub Data			Raised Face	Drilling				Radius	Length of Bolts, L [Notes (4), (5)] Stud Bolts
Nominal Pipe Size	O.D. of Flange, O	Weld Neck Flange	Length Through Hub, Y	Diam. of Hub, X [Note (2)]	Hub Diam. Top, A [Note (3)]	Raised Face Diam., R	Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole, in.	Diam. of Bolt, in.	Minimum Fillet Radius, r1	Raised Face 6.4 mm
26	851	88.9	149	689	660.4	711	781	28	1 1/2	1 3/8	11	290
28	914	95.2	159	740	711.2	762	838.2	24	1 5/8	1 1/2	13	310
30	972	101.6	170	794	762	819	895.4	28	1 5/8	1 1/2	13	320
32	1 035	108	179	845	812.8	873	952.5	28	1 3/4	1 5/8	13	345
34	1 086	111.3	187	899	863.6	927	1 003.3	32	1 3/4	1 5/8	14	345
36	1 156	119.1	200	952	914.4	981	1 066.8	28	1 7/8	1 3/4	14	370
38	...	...	...	...	...	...	...	...	...	...	...	...
40	...	...	...	...	...	...	...	...	...	...	...	...
42	...	...	...	...	...	...	...	...	...	...	...	...
44	...	...	...	...	...	...	...	...	...	...	...	...
46	...	...	...	...	...	...	...	...	...	...	...	...
48	...	...	...	...	...	...	...	...	...	...	...	...
50	...	...	...	...	...	...	...	...	...	...	...	...
52	...	...	...	...	...	...	...	...	...	...	...	...
54	...	...	...	...	...	...	...	...	...	...	...	...
56	...	...	...	...	...	...	...	...	...	...	...	...
58	...	...	...	...	...	...	...	...	...	...	...	...
60	...	...	...	...	...	...	...	...	...	...	...	...



ASME B16.47 Series B – Class 600 Weld Neck Flanges

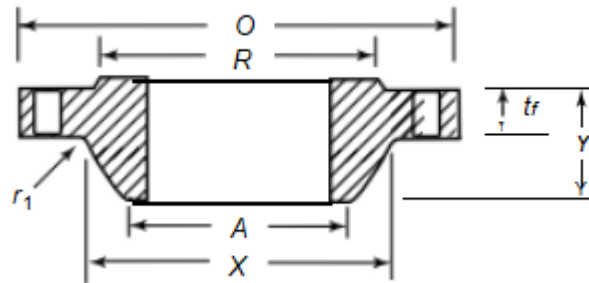


JINIE TECHNOLOGY (JIANGSU) CO., LTD.

Pipe	Minimum Thickness of Flange, tf [Note (1)]		Hub Data			Raised Face	Drilling				Radius	Length of Bolts, L [Notes (4), (5)]Stud Bolts
Nominal Pipe Size	O.D. of Flange, O	Weld Neck Flange	Length Through Hub, Y	Diam. of Hub, X [Note (2)]	Hub Diam. Top, A [Note (3)]	Raised Face Diam., R	Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole, in.	Diam. of Bolt, in.	Minimum Fillet Radius, r1	Raised Face 6.4 mm
26	889	111.3	181	698	660.4	727	806.4	28	1 3/4	1 5/8	13	360
28	952	115.8	190	752	711.2	784	863.6	28	1 7/8	1 3/4	13	375
30	1 022	125.5	205	806	762	841	927.1	28	2	1 7/8	13	395
32	1 086	130	216	861	812.8	895	984.2	28	2 1/8	2	13	415
34	1 162	141.2	233	914	863.6	952	1 054.1	24	2 3/8	2 1/4	14	440
36	1 213	146	243	968	914.4	1 010	1 104.9	28	2 3/8	2 1/4	14	460
38	...	...	...	...	...	...	...	...	...	...	...	...
40	...	...	...	...	...	...	...	...	...	...	...	...
42	...	...	...	...	...	...	...	...	...	...	...	...
44	...	...	...	...	...	...	...	...	...	...	...	...
46	...	...	...	...	...	...	...	...	...	...	...	...
48	...	...	...	...	...	...	...	...	...	...	...	...
50	...	...	...	...	...	...	...	...	...	...	...	...
52	...	...	...	...	...	...	...	...	...	...	...	...
54	...	...	...	...	...	...	...	...	...	...	...	...
56	...	...	...	...	...	...	...	...	...	...	...	...
58	...	...	...	...	...	...	...	...	...	...	...	...
60	...	...	...	...	...	...	...	...	...	...	...	...



ASME B16.47 Series B – Class 900 Weld Neck Flanges



JINIE TECHNOLOGY (JIANGSU) CO., LTD.

Pipe	Minimum Thickness of Flange, tf [Note (1)]		Hub Data			Raised Face	Drilling				Radius	Length of Bolts, L [Notes (4), (5)] Stud Bolts
Nominal Pipe Size	O.D. of Flange, O	Weld Neck Flange	Length Through Hub, Y	Diam. of Hub, X [Note (2)]	Hub Diam. Top, A [Note (3)]	Raised Face Diam., R	Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole, in.	Diam. of Bolt, in.	Minimum Fillet Radius, r1	Raised Face 6.4 mm
26	1 022	134.9	259	743	660.4	762	901.7	20	2 5/8	2 1/2	11	450
28	1 105	147.6	276	797	711.2	819	971.6	20	2 7/8	2 3/4	13	495
30	1 181	155.4	289	851	762	876	1 035.0	20	3 1/8	3	13	510
32	1 238	160.3	303	908	812.8	927	1 092.2	20	3 1/8	3	13	530
34	1 314	171.4	319	962	863.6	991	1 155.7	20	3 3/8	3 1/4	14	565
36	1 346	173	325	1 016	914.4	1 029	1 200.2	24	3 1/8	3	14	570
38	...	...	...	...	...	...	...	...	...	...	...	...
40	...	...	...	...	...	...	...	...	...	...	...	...
42	...	...	...	...	...	...	...	...	...	...	...	...
44	...	...	...	...	...	...	...	...	...	...	...	...
46	...	...	...	...	...	...	...	...	...	...	...	...
48	...	...	...	...	...	...	...	...	...	...	...	...
50	...	...	...	...	...	...	...	...	...	...	...	...
52	...	...	...	...	...	...	...	...	...	...	...	...
54	...	...	...	...	...	...	...	...	...	...	...	...
56	...	...	...	...	...	...	...	...	...	...	...	...
58	...	...	...	...	...	...	...	...	...	...	...	...
60	...	...	...	...	...	...	...	...	...	...	...	...

JINIE TECHNOLOGY (JIANGSU) CO., LTD.

GENERAL NOTES:

Dimensions are in millimeters unless otherwise noted.

- (1) The minimum flange thickness does not include the raised face thickness.
- (2) This dimension is for the large end of hub, which may be straight or tapered.
- (3) For welding and bevel.
- (4) The length of the stud bolt does not include the height of the points.
- (5) Bolt lengths not shown in the table may be determined in accordance with Nonmandatory Appendix D.