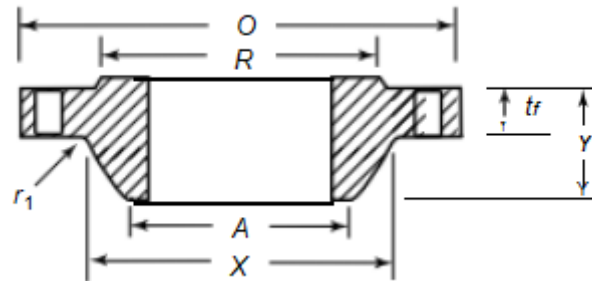




ASME B16.47 Series A – Class 150 Weld Neck Flanges

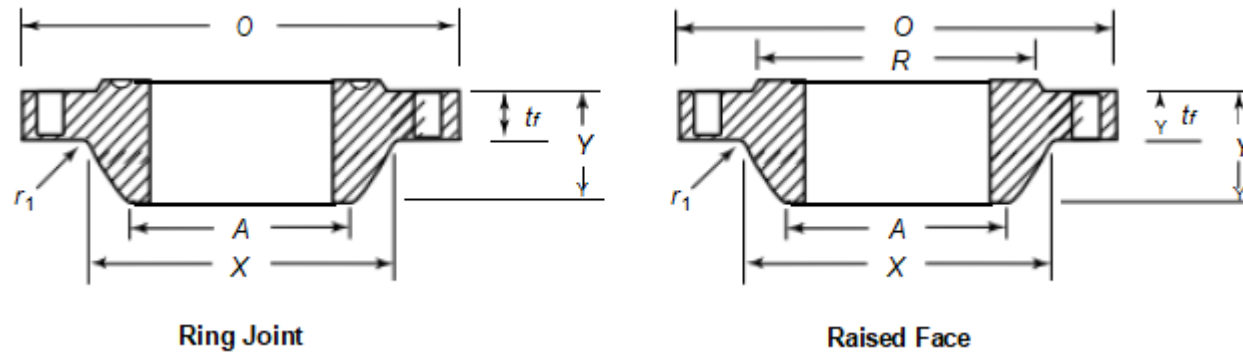


JINIE TECHNOLOGY (JIANGSU) CO., LTD.

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	870	66.8	119	676	660.4	749	806.4	24	1 3/8	1 1/4	10	225
28	927	69.8	124	727	711.2	800	863.6	28	1 3/8	1 1/4	11	230
30	984	73.2	135	781	762	857	914.4	28	1 3/8	1 1/4	11	235
32	1 060	79.5	143	832	812.8	914	977.9	28	1 5/8	1 1/2	11	265
34	1 111	81	148	883	863.6	965	1 028.7	32	1 5/8	1 1/2	13	270
36	1 168	88.9	156	933	914.4	1 022	1 085.8	32	1 5/8	1 1/2	13	285
38	1 238	85.9	156	991	965.2	1 073	1 149.4	32	1 5/8	1 1/2	13	280
40	1 289	88.9	162	1 041	1 016.0	1 124	1 200.2	36	1 5/8	1 1/2	13	285
42	1 346	95.2	170	1 092	1 066.8	1 194	1 257.3	36	1 5/8	1 1/2	13	300
44	1 403	100.1	176	1 143	1 117.6	1 245	1 314.4	40	1 5/8	1 1/2	13	305
46	1 454	101.6	184	1 197	1 168.4	1 295	1 365.2	40	1 5/8	1 1/2	13	310
48	1 511	106.4	191	1 248	1 219.2	1 359	1 422.4	44	1 5/8	1 1/2	13	320
50	1 568	109.7	202	1 302	1 270.0	1 410	1 479.6	44	1 7/8	1 3/4	13	340
52	1 626	114.3	208	1 353	1 320.8	1 461	1 536.7	44	1 7/8	1 3/4	13	350
54	1 683	119.1	214	1 403	1 371.6	1 511	1 593.8	44	1 7/8	1 3/4	13	360
56	1 746	122.4	227	1 457	1 422.4	1 575	1 651.0	48	1 7/8	1 3/4	13	365
58	1 803	127	233	1 508	1 473.2	1 626	1 708.2	48	1 7/8	1 3/4	13	380
60	1 854	130.3	238	1 559	1 524.0	1 676	1 759.0	52	1 7/8	1 3/4	13	380



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

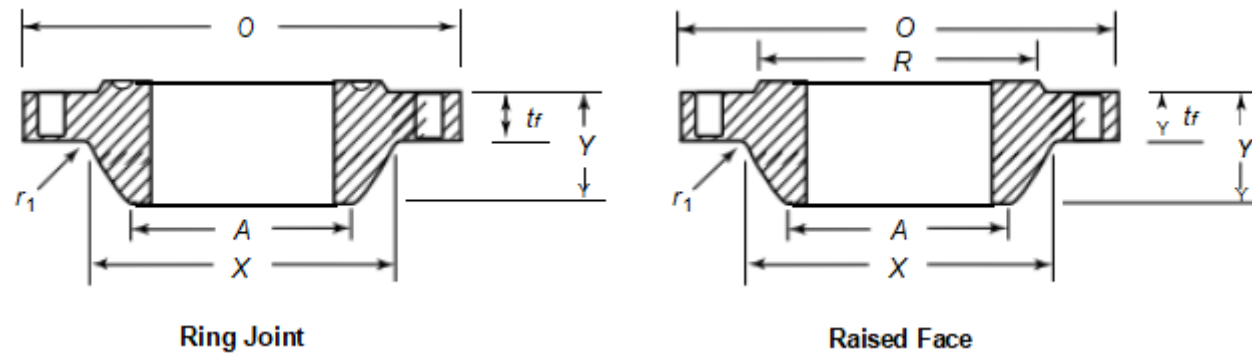


JINIE TECHNOLOGY (JIANGSU) CO., LTD.

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	Ring Joint
26	972	78	183	721	660.4	749	876.3	28	1 3/4	1 5/8	10	270	290
28	1 035	84.3	195	775	711.2	800	939.8	28	1 3/4	1 5/8	11	280	300
30	1 092	90.7	208	827	762	857	997	28	1 7/8	1 3/4	11	300	320
32	1 149	97	221	881	812.8	914	1 054.1	28	2	1 7/8	11	320	345
34	1 206	100.1	230	937	863.6	965	1 104.9	28	2	1 7/8	13	330	350
36	1 270	103.4	240	991	914.4	1 022	1 168.4	32	2 1/8	2	13	340	365
38	1 168	106.4	179	994	965.2	1 029	1 092.2	32	1 5/8	1 1/2	13	320	...
40	1 238	112.8	192	1 048	1 016.0	1 086	1 155.7	32	1 3/4	1 5/8	13	340	...
42	1 289	117.6	199	1 099	1 066.8	1 137	1 206.5	32	1 3/4	1 5/8	13	350	...
44	1 353	122.4	205	1 149	1 117.6	1 194	1 263.6	32	1 7/8	1 3/4	13	365	...
46	1 416	127	214	1 203	1 168.4	1 245	1 320.8	28	2	1 7/8	13	380	...
48	1 467	131.8	222	1 254	1 219.2	1 302	1 371.6	32	2	1 7/8	13	390	...
50	1 530	138.2	230	1 305	1 270.0	1 359	1 428.8	32	2 1/8	2	13	410	...
52	1 581	143	237	1 356	1 320.8	1 410	1 479.6	32	2 1/8	2	13	420	...
54	1 657	150.9	251	1 410	1 371.6	1 467	1 549.4	28	2 3/8	2 1/4	13	450	...
56	1 708	152.4	259	1 464	1 422.4	1 518	1 600.2	28	2 3/8	2 1/4	13	450	...
58	1 759	157.2	265	1 514	1 473.2	1 575	1 651.0	32	2 3/8	2 1/4	13	465	...
60	1 810	160.1	272	1 565	1 524.0	1 626	1 701.8	32	2 3/8	2 1/4	13	475	...



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

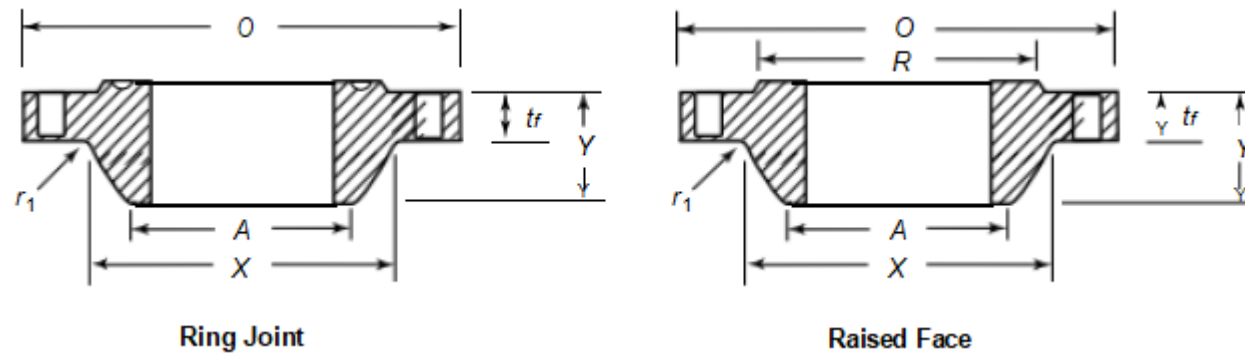


JINIE TECHNOLOGY (JIANGSU) CO., LTD.

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	Ring Joint
26	972	88.9	194	727	660.4	749	876.3	28	1 7/8	1 3/4	11	310	320
28	1 035	95.2	206	783	711.2	800	939.8	28	2	1 7/8	13	330	340
30	1 092	101.6	219	837	762	857	997	28	2 1/8	2	13	345	360
32	1 149	108	232	889	812.8	914	1 054.1	28	2 1/8	2	13	360	375
34	1 206	111.3	241	945	863.6	965	1 104.9	28	2 1/8	2	14	365	380
36	1 270	114.3	251	1 000	914.4	1 022	1 168.4	32	2 1/8	2	14	375	385
38	1 206	124	206	1 003	965.2	1 035	1 117.6	32	1 7/8	1 3/4	14	380	...
40	1 270	130	216	1 054	1 016.0	1 092	1 174.8	32	2	1 7/8	14	405	...
42	1 321	133.4	224	1 108	1 066.8	1 143	1 225.6	32	2	1 7/8	14	405	...
44	1 384	139.7	233	1 159	1 117.6	1 200	1 282.7	32	2 1/8	2	14	425	...
46	1 441	146	244	1 213	1 168.4	1 257	1 339.8	36	2 1/8	2	14	435	...
48	1 511	152.4	257	1 267	1 219.2	1 308	1 403.4	28	2 3/8	2 1/4	14	460	...
50	1 568	157.2	268	1 321	1 270.0	1 362	1 460.5	32	2 3/8	2 1/4	14	470	...
52	1 619	162.1	276	1 372	1 320.8	1 413	1 511.3	32	2 3/8	2 1/4	14	480	...
54	1 702	169.9	289	1 425	1 371.6	1 470	1 581.2	28	2 5/8	2 1/2	14	510	...
56	1 753	174.8	298	1 480	1 422.4	1 527	1 632.0	32	2 5/8	2 1/2	14	520	...
58	1 803	177.8	306	1 530	1 473.2	1 578	1 682.8	32	2 5/8	2 1/2	14	530	...
60	1 886	185.7	319	1 584	1 524.0	1 635	1 752.6	32	2 7/8	2 3/4	14	560	...



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

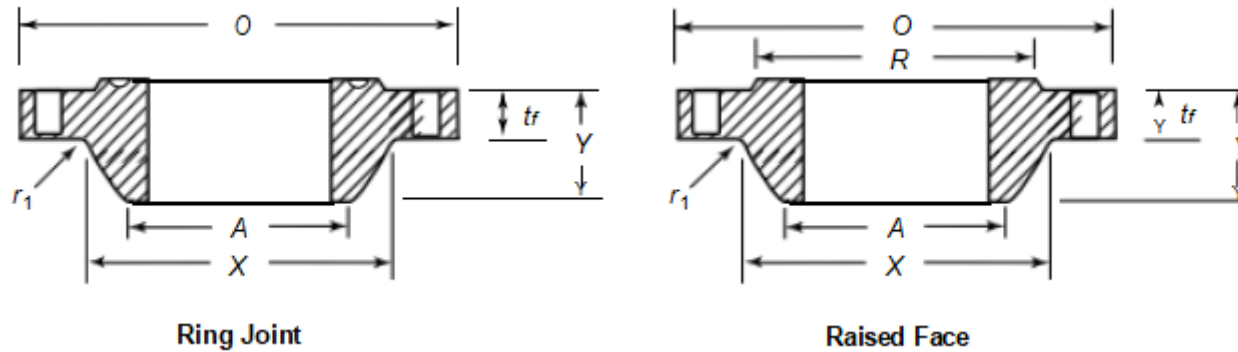


JINIE TECHNOLOGY (JIANGSU) CO., LTD.

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	Ring Joint
26	1 016	108	222	748	660.4	749	914.4	28	2	1 7/8	13	355	365
28	1 073	111.3	235	803	711.2	800	965.2	28	2 1/8	2	13	365	375
30	1 130	114.3	248	862	762	857	1 022.4	28	2 1/8	2	13	375	385
32	1 194	117.3	260	917	812.8	914	1 079.5	28	2 3/8	2 1/4	13	390	405
34	1 245	120.6	270	973	863.6	965	1 130.3	28	2 3/8	2 1/4	14	400	410
36	1 314	124	282	1 032	914.4	1 022	1 193.8	28	2 5/8	2 1/2	14	415	430
38	1 270	152.4	254	1 022	965.2	1 054	1 162.0	28	2 3/8	2 1/4	14	465	...
40	1 321	158.8	264	1 073	1 016.0	1 111	1 212.8	32	2 3/8	2 1/4	14	480	...
42	1 403	168.1	279	1 127	1 066.8	1 168	1 282.7	28	2 5/8	2 1/2	14	510	...
44	1 454	173	289	1 181	1 117.6	1 226	1 333.5	32	2 5/8	2 1/2	14	520	...
46	1 511	179.3	300	1 235	1 168.4	1 276	1 390.6	32	2 5/8	2 1/2	14	530	...
48	1 594	189	316	1 289	1 219.2	1 334	1 460.5	32	2 7/8	2 3/4	14	565	...
50	1 670	196.8	329	1 343	1 270.0	1 384	1 524.0	28	3 1/8	3	14	595	...
52	1 721	203.2	337	1 394	1 320.8	1 435	1 574.8	32	3 1/8	3	14	605	...
54	1 778	209.6	349	1 448	1 371.6	1 492	1 632.0	32	3 1/8	3	14	620	...
56	1 854	217.4	362	1 502	1 422.4	1 543	1 695.4	32	3 3/8	3 1/4	16	645	...
58	1 905	222.2	370	1 553	1 473.2	1 600	1 746.2	32	3 3/8	3 1/4	16	655	...
60	1 994	233.4	389	1 610	1 524.0	1 657	1 822.4	28	3 5/8	3 1/2	17	690	...



ASME B16.47 Series A – 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	Ring Joint
26	1 086	139.7	286	775	660.4	749	952.5	20	2 7/8	2 3/4	11	465	485
28	1 168	142.7	298	832	711.2	800	1 022.4	20	3 1/8	3	13	485	505
30	1 232	149.4	311	889	762	857	1 085.8	20	3 1/8	3	13	495	520
32	1 314	158.8	330	946	812.8	914	1 155.7	20	3 3/8	3 1/4	13	530	550
34	1 397	165.1	349	1 006	863.6	965	1 225.6	20	3 5/8	3 1/2	14	555	580
36	1 460	171.4	362	1 064	914.4	1 022	1 289.0	20	3 5/8	3 1/2	14	565	595
38	1 460	190.5	353	1 073	965.2	1 099	1 289.0	20	3 5/8	3 1/2	19	605	...
40	1 511	196.8	363	1 127	1 016.0	1 162	1 339.8	24	3 5/8	3 1/2	21	620	...
42	1 562	206.2	371	1 176	1 066.8	1 213	1 390.6	24	3 5/8	3 1/2	21	635	...
44	1 648	214.4	391	1 235	1 117.6	1 270	1 463.5	24	3 7/8	3 3/4	22	665	...
46	1 734	225.6	411	1 292	1 168.4	1 334	1 536.7	24	4 1/8	4	22	700	...
48	1 784	233.4	419	1 343	1 219.2	1 384	1 587.5	24	4 1/8	4	24	715	...
50	...	...	...	...	...	...	...	...	...	...	...	...	...
52	...	...	...	...	...	...	...	...	...	...	...	...	...
54	...	...	...	...	...	...	...	...	...	...	...	...	...
56	...	...	...	...	...	...	...	...	...	...	...	...	...
58	...	...	...	...	...	...	...	...	...	...	...	...	...
60	...	...	...	...	...	...	...	...	...	...	...	...	...

JINIE TECHNOLOGY (JIANGSU) CO., LTD.

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.