

Material grades

A105 / A350 / A694 / A707 / Chrome & Alloys

Manufacturing capabilities

Welding necks / Blinds / Slip-ons / Orifice flanges / E and other Customer special requirements (from contour rings or special forgings - 4" diameter to 60" diameter).

- 150 # from 26" to 60"
- 300 # from 26" to 48"
- 600 # / 900 # / 1500 # / 2500 # all sizes



Flange project packages

We support project activity requiring multiple delivery schedules.

Engineered solution for non standard flanges

We can supply calculation notes and drawings.

Emergency machining

Ability to produce made-to-order flanges 24 hours a day, 7 days a week.

EVEN FOR ONE PIECE, dial 866-460-0700 (after hours pager 800-425-7432)



Flange weights by pressure class and size

	150 #			300 #			600 #			900 #			1500 #			2500 #		
	WN	SO	BLD	WN	SO	BLD	WN	SO	BLD	WN	SO	BLD	WN	SO	BLD	WN	SO	BLD
1/2"	2	1	1	2	1	1	2	2	2	SEE 1500 # WEIGHTS			5	4	4	7	7	7
3/4"	2	2	2	3	3	3	4	3	3	SEE 1500 # WEIGHTS			6	5	6	8	8	8
1"	3	2	2	4	3	3	4	4	4	SEE 1500 # WEIGHTS			9	8	8	12	11	11
1 1/2"	4	3	3	7	6	6	8	7	8	SEE 1500 # WEIGHTS			13	12	13	25	22	23
2"	6	5	5	9	7	8	12	9	10	SEE 1500 # WEIGHTS			25	25	25	42	37	39
2 1/2"	8	7	7	12	10	12	18	13	15	SEE 1500 # WEIGHTS			36	36	35	52	55	56
3"	10	8	9	15	13	16	23	16	20	31	26	29	48	48	48	94	83	86
4"	15	13	17	25	22	27	42	37	41	53	53	54	73	73	73	145	125	130
5"	19	15	20	32	28	35	68	63	68	86	83	87	130	130	140	245	210	225
6"	24	19	26	42	39	50	81	80	86	110	110	115	165	165	160	380	325	345
8"	39	30	45	67	58	81	120	115	140	175	170	200	275	260	300	580	485	530
10"	52	43	70	91	81	124	190	170	230	260	245	290	455	435	510	1075	930	1025
12"	80	64	110	140	115	185	225	200	295	325	325	415	690	580	690	1525	1100	1300
14"	110	90	140	180	165	250	280	230	355	400	400	520	940	NA	975	NA	NA	NA
16"	140	98	180	250	190	295	390	330	495	495	425	600	1250	NA	1300	NA	NA	NA
18"	150	130	220	320	250	395	475	400	630	680	600	850	1625	NA	1750	NA	NA	NA
20"	180	165	285	400	315	505	590	510	810	830	730	1075	2050	NA	2225	NA	NA	NA
22"	225	185	355	465	370	640	720	590	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
24"	260	220	430	580	475	790	830	730	1250	1500	1400	2025	3325	NA	3625	NA	NA	NA

Weights are in pounds, and will vary by different wall thicknesses.

Conversion data

- 1 inch = 25,4 mm
- 1 mm = 0,03937 inches
- 1 lb/ft2 = 47,88 Pa
- 1 psi = 6,894,8 Pa
- x°F = (5/9)(x-32)°C
- 1 pound = 0,45359 Kg
- 1 Kg = 2,20462 pounds
- 1Pa = 0,020885 lb / ft2
- 1Pa = 0,00014504 psi
- x°C = (9/5)x + 32°F



Your flange solution

24 hours a day, 7 days a week

Tel: (832) 397-4290 / Fax: (713) 635-4784

Watts: (866) 460-0700 / After hours pager: (800) 425-7432

Blue figures indicate wall thickness in inches

Black figures indicate nominal inside diameter in inches.

Pipe size	O.D. in inches	5	10	20	30	40	STD	60	80	XH	100	120	140	160	XXH
1/2	.840	.065 .710	.083 .674			.109 .622	.109 .622		.147 .546	.147 .546				.187 .466	.294 .252
3/4	1.050	.065 .920	.083 .884			.113 .824	.113 .824		.154 .742	.154 .742				.218 .614	.308 .434
1	1.315	.065 1.185	.109 1.097			.133 1.049	.133 1.049		.179 .957	.179 .957				.250 .815	.358 .599
1 1/4	1.660	.065 1.530	.109 1.442			.140 1.380	.140 1.380		.191 1.278	.191 1.278				.250 1.160	.382 .896
1 1/2	1.900	.065 1.770	.109 1.682			.145 1.610	.145 1.610		.200 1.500	.200 1.500				.281 1.338	.400 1.100
2	2.375	.065 2.245	.109 2.157			.154 2.067	.154 2.067		.218 1.939	.218 1.939				.343 1.687	.436 1.503
2 1/2	2.875	.083 2.709	.120 2.635			.203 2.469	.203 2.469		.276 2.323	.276 2.323				.375 2.125	.552 1.771
3	3.500	.083 3.334	.120 3.260			.216 3.068	.216 3.068		.300 2.900	.300 2.900				.437 2.626	.600 2.300
3 1/2	4.0	.083 3.834	.120 3.760			.226 3.548	.226 3.548		.318 3.364	.318 3.364					.636 2.728
4	4.5	.083 4.334	.120 4.260			.237 4.026	.237 4.026	.281 3.938	.337 3.826	.337 3.826		.437 3.626		.531 3.438	.674 3.152
5	5.563	.109 5.345	.134 5.295			.258 5.047	.258 5.047		.375 4.813	.375 4.813		.500 4.563		.625 4.313	.750 4.063
6	6.625	.109 6.407	.134 6.357			.280 6.065	.280 6.065		.432 5.761	.432 5.761		.562 5.501		.718 5.189	.864 4.897
8	8.625	.109 8.407	.148 8.329	.250 8.125	.277 8.071	.322 7.981	.322 7.981	.406 7.813	.500 7.625	.500 7.625	.593 7.439	.718 7.189	.812 7.001	.906 6.813	.875 6.875
10	10.75	.134 10.482	.165 10.420	.250 10.250	.307 10.136	.365 10.020	.365 10.020	.500 9.750	.593 9.562	.500 9.750	.718 9.314	.843 9.064	1.000 8.750	1.125 8.500	
12	12.75	.156 12.420	.180 12.390	.250 12.250	.330 12.090	.406 11.938	.375 12.000	.562 11.626	.687 11.374	.500 11.750	.843 11.064	1.000 10.750	1.125 10.500	1.312 10.126	
14	14.0		.250 13.500	.312 13.376	.375 13.250	.437 13.124	.375 13.250	.593 12.812	.750 12.500	.500 13.000	.937 12.126	1.093 11.814	1.250 11.500	1.406 11.188	
16	16.0		.250 15.500	.312 15.376	.375 15.250	.500 15.000	.375 15.250	.656 14.688	.843 14.312	.500 15.000	1.031 13.938	1.218 13.564	1.437 13.126	1.593 12.814	
18	18.0		.250 17.500	.312 17.376	.437 17.124	.562 16.876	.375 17.250	.750 16.500	.937 16.124	.500 17.000	1.156 15.688	1.375 15.250	1.562 14.876	1.781 14.438	
20	20.0		.250 19.500	.375 19.250	.500 19.000	.593 18.812	.375 19.250	.812 18.376	1.031 17.938	.500 19.000	1.280 17.440	1.500 17.000	1.750 16.500	1.968 16.064	
22	22.0		.250 21.500	.375 21.250	.500 21.000		.375 21.250	.875 20.250	1.125 19.750	.500 21.000	1.375 19.250	1.625 18.750	1.875 18.250	2.125 17.750	
24	24.0		.250 23.500	.375 23.250	.562 22.876	.687 22.624	.375 23.250	.968 22.064	1.218 21.562	.500 23.000	1.531 20.938	1.812 20.376	2.062 19.876	2.343 19.314	
26	26.0		.312 25.376	.500 25.000			.375 25.250			.500 25.000					
28	28.0		.312 27.376	.500 27.000	.625 26.750		.375 27.250			.500 27.000					
30	30.0		.312 29.376	.500 29.000	.625 28.750		.375 29.250			.500 29.000					
32	32.0		.312 31.376	.500 31.000	.625 30.750	.688 30.624	.375 31.250			.500 31.000					
34	34.0		.344 33.312	.500 33.000	.625 32.750	.688 32.624	.375 33.250			.500 33.000					
36	36.0		.312 35.376	.500 35.000	.625 34.750	.750 34.500	.375 35.250			.500 35.000					
42	42.0						.375 41.250			.500 41.000					
48	48.0						.375 47.250			.500 47.000					

Note : The nominal inside diameter for size 26" and up, are based on nominal outside diameter of the B16.47 SERIES A design