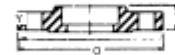
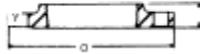
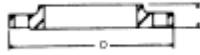


WELD FLANGE DIMENSIONS								
WELDING NECK FLANGES								
Nom. Pipe Size	150 lb.		300 lb		400 lb.		600 lb.	
	Outside Dia. of Flange O	Length Thru Hub Y ¹	Outside Dia. of Flange O	Length Thru Hub Y ¹	Outside Dia. of Flange O	Length Thru Hub Y ²	Outside Dia. of Flange O	Length Thru Hub Y ²
1/2	3-1/2	1-7/8	3-3/4	2-1/16	For sizes 3-1/2 and smaller use 600 lb. Standard		3-3/4	2-1/16
3/4	3-7/8	2-1/16	4-5/8	2-1/4			4-5/8	2-1/4
1	4-1/4	2-3/16	4-7/8	2-7/16			4-7/8	2-7/16
1-1/4	4-5/8	2-1/4	5-1/4	2-9/16			5-1/4	2-5/8
1-1/2	5	2-7/16	6-1/8	2-11/16			6-1/8	2-3/4
2	6	2-1/2	6-1/2	2-3/4			6-1/2	2-7/8
2-1/2	7	2-3/4	7-1/2	3			7-1/2	3-1/8
3	7-1/2	2-3/4	8-1/4	3-1/8			8-1/4	3-1/4
3-1/2	8-1/2	2-13/16	9	3-3/16	—	—	9	3-3/8
4	9	3	10	3-3/8	10	3-1/2	10-3/4	4
5	10	3-1/2	11	3-7/8	11	4	13	4-1/2
6	11	3-1/2	12-1/2	3-7/8	12-1/2	4-1/16	14	4-5/8
8	13-1/2	4	15	4-3/8	15	4-5/8	16-1/2	5-1/4
10	16	4	17-1/2	4-5/8	17-1/2	4-7/8	20	6
12	19	4-1/2	20-1/2	5-1/8	20-1/2	5-3/8	22	6-1/8
14	21	5	23	5-5/8	23	5-7/8	23-3/4	6-1/2
16	23-1/2	5	25-1/2	5-3/4	25-1/2	6	27	7
18	25	5-1/2	28	6-1/4	28	6-1/2	29-1/4	7-1/4
20	27-1/2	5-11/16	30-1/2	6-3/8	30-1/2	6-5/8	32	7-1/2
22	29-1/2	5-7/8	33	6-1/2	33	6-3/4	34-1/4	7-3/4
24	32	6	36	6-5/8	36	6-7/8	37	8
26	34-1/4	5	38-1/4	7-1/4	38-1/4	7-5/8	40	8-3/4
30	38-3/4	5-1/8	43	8-1/4	43	8-5/8	44-1/2	9-3/4
34	43-3/4	5-5/16	47-1/2	9-1/8	47-1/2	9-1/2	49	10-5/8
36	46	5-3/8	50	9-1/2	50	9-7/8	51-3/4	11-1/8
42	53	5-5/8	57	10-7/8	57	11-3/8	58-3/4	12-3/4

¹ The 1/16 inch raised face is included in "Length thru Hub 'Y'."

² The 1/4 inch raised face is not included in "Length thru Hub 'Y'."



WELD FLANGE DIMENSIONS								
SLIP-ON, THREADED, AND SOCKET TYPE FLANGES								
Nom. Pipe Size	150 lb.		300 lb		400 lb.		600 lb.	
	Outside Dia. O	Length Thru Hub Y ¹	Outside Dia. O	Length Thru Hub Y ¹	Outside Dia. O	Length Thru Hub Y ²	Outside Dia.	Length Thru Hub Y ²
1/4	3-1/2	5/8*†	3-3/4	7/8*†	For sizes 3-1/2 and smaller use 600 lb. Standard		3-3/4	7/8*†
3/8	3-1/2	5/8*†	3-3/4	7/8*†			3-3/4	7/8*†
1/2	3-1/2	5/8	3-3/4	7/8			3-3/4	7/8
3/4	3-7/8	5/8	4-5/8	1			4-5/8	1
1	4-1/4	11/16	4-7/8	1-1/16			4-7/8	1-1/16
1-1/4	4-5/8	13/16	5-1/4	1-1/16			5-1/4	1-1/8
1-1/2	5	7/8	6-1/8	1-3/16			6-1/8	1-1/4
2	6	1	6-1/2	1-5/16			6-1/2	1-7/16
2-1/2	7	1-1/8	7-1/2	1-1/2			7-1/2	1-5/8
3	7-1/2	1-3/16	8-1/4	1-11/16			8-1/4	1-13/16
3-1/2	8-1/2	1-1/4	9	1-3/4	—	—	9	1-15/16
4	9	1-5/16	10	1-7/8	10	2‡	10-3/4	2-1/8‡
5	10	1-7/16	11	2‡	11	2-1/8‡	13	2-3/8‡
6	11	1-9/16	12-1/2	2-1/16‡	12-1/2	2-1/4‡	14	2-5/8‡
8	13-1/2	1-3/4	15	2-7/16‡	15	2-11/16‡	16-1/2	3‡
10	16	1-15/16	17-1/2	2-5/8‡	17-1/2	2-7/8‡	20	3-3/8‡
12	19	2-3/16	20-1/2	2-7/8‡	20-1/2	3-1/8‡	22	3-5/8‡
14	21	2-1/4	23	3‡	23	3-5/16‡	23-3/4	3-11/16‡
16	23-1/2	2-1/2	25-1/2	3-1/4‡	25-1/2	3-11/16‡	27	4-3/16‡
18	25	2-11/16	28	3-1/2‡	28	3-7/8‡	29-1/4	4-5/8‡
20	27-1/2	2-7/8	30-1/2	3-3/4‡	30-1/2	4‡	32	5‡
22	29-1/2	3-1/8†‡	33	4†‡	33	4-1/4†‡	34-1/4	5-1/4†‡
24	32	3-1/4	36	4-3/16‡	36	4-1/2‡	37	5-1/2‡
26	34-1/4	3-3/8†‡	38-1/4	7-1/4†‡	38-1/4	7-5/8†‡	40	8-3/4†‡
30	38-3/4	3-1/2†‡	43	8-1/4†‡	43	8-5/8†‡	44-1/2	9-3/4†‡
34	43-3/4	3-11/16†‡	47-1/2	9-1/8†‡	47-1/2	9-1/2†‡	49	10-5/8†‡
36	46	3-3/4†‡	50	9-1/2†‡	50	9-7/8†‡	51-3/4	11-1/8†‡
42	53	4†‡	57	10-7/8†‡	57	11-3/8†‡	58-3/4	12-3/4†‡

¹ The 1/16 inch raised face is included in "Length thru Hub 'Y'."

² The 1/4 inch raised face is not included in "Length thru Hub 'Y'."

* Not available in Slip-On type.

† Not available in Threaded type.

‡ Not available in Socket type.



WELD FLANGE DIMENSIONS								
LAP JOINT FLANGES								
Nom. Pipe Size	150 lb.		300 lb		400 lb.		600 lb.	
	Outside Dia. of Flange O	Length Thru Hub Z¹	Outside Dia. of Flange O	Length Thru Hub Z¹	Outside Dia. of Flange O	Length Thru Hub Z²	Outside Dia. of Flange O	Length Thru Hub Z²
1/2	3-1/2	5/8	3-3/4	7/8	For sizes 3-1/2 and smaller use 600 lb. Standard		3-3/4	7/8
3/4	3-7/8	5/8	4-5/8	1			4-5/8	1
1	4-1/4	11/16	4-7/8	1-1/16			4-7/8	1-1/16
1-1/4	4-5/8	13/16	5-1/4	1-1/16			5-1/4	1-1/8
1-1/2	5	7/8	6-1/8	1-3/16			6-1/8	1-1/4
2	6	1	6-1/2	1-5/16			6-1/2	1-7/16
2-1/2	7	1-1/8	7-1/2	1-1/2			7-1/2	1-5/8
3	7-1/2	1-3/16	8-1/4	1-11/16			8-1/4	1-13/16
3-1/2	8-1/2	1-1/4	9	1-3/4	—	—	9	1-15/16
4	9	1-5/16	10	1-7/8	10	2	10-3/4	2-1/8
5	10	1-7/16	11	2	11	2-1/8	13	2-3/8
6	11	1-9/16	12-1/2	2-1/16	12-1/2	2-1/4	14	2-5/8
8	13-1/2	1-3/4	15	2-7/16	15	2-11/16	16-1/2	3
10	16	1-15/16	17-1/2	3-3/4	17-1/2	4	20	4-3/8
12	19	2-3/16	20-1/2	4	20-1/2	4-1/4	22	4-5/8
14	21	3-1/8	23	4-3/8	23	4-5/8	23-3/4	5
16	23-1/2	3-7/16	25-1/2	4-3/4	25-1/2	5	27	5-1/2
18	25	3-13/16	28	5-1/8	28	5-3/8	29-1/4	6
20	27-1/2	4-1/16	30-1/2	5-1/2	30-1/2	5-3/4	32	6-1/2
24	32	4-3/8	36	6	36	6-1/4	37	7-1/4



WELD FLANGE DIMENSIONS								
BLIND FLANGES								
Nom. Pipe Size	150 lb.		300 lb.		400 lb.		600 lb.	
	Outside Dia. of Flange O	Thick-ness Q ¹	Outside Dia. of Flange O	Thick-ness Q ¹	Outside Dia. of Flange O	Thick-ness Q ²	Outside Dia. of Flange O	Thick-ness Q ²
1/2	3-1/2	7/16	3-3/4	9/16	For sizes 3-1/2 and smaller use 600 lb. Standard		3-3/4	9/16
3/4	3-7/8	1/2	4-5/8	5/8			4-5/8	5/8
1	4-1/4	9/16	4-7/8	11/16			4-7/8	11/16
1-1/4	4-5/8	5/8	5-1/4	3/4			5-1/4	13/16
1-1/2	5	11/16	6-1/8	13/16			6-1/8	7/8
2	6	3/4	6-1/2	7/8			6-1/2	1
2-1/2	7	7/8	7-1/2	1			7-1/2	1-1/8
3	7-1/2	15/16	8-1/4	1-1/8			8-1/4	1-1/4
3-1/2	8-1/2	15/16	9	1-3/16			9	1-3/8
4	9	15/16	10	1-1/4	10	1-3/8	10-3/4	1-1/2
5	10	15/16	11	1-3/8	11	1-1/2	13	1-3/4
6	11	1	12-1/2	1-7/16	12-1/2	1-5/8	14	1-7/8
8	13-1/2	1-1/8	15	1-5/8	15	1-7/8	16-1/2	2-3/16
10	16	1-3/16	17-1/2	1-7/8	17-1/2	2-1/8	20	2-1/2
12	19	1-1/4	20-1/2	2	20-1/2	2-1/4	22	2-5/8
14	21	1-3/8	23	2-1/8	23	2-3/8	23-3/4	2-3/4
16	23-1/2	1-7/16	25-1/2	2-1/4	25-1/2	2-1/2	27	3
18	25	1-9/16	28	2-3/8	28	2-5/8	29-1/4	3-1/4
20	27-1/2	1-11/16	30-1/2	2-1/2	30-1/2	2-3/4	32	3-1/2
22	29-1/2	1-13/16	33	2-5/8	33	2-7/8	34-1/4	3-3/4
24	32	1-7/8	36	2-3/4	36	3	37	4
26	34-1/4	2	38-1/4	3-1/8	38-1/4	3-1/2	40	4-1/4
30	38-3/4	2-1/8	43	3-5/8	43	4	44-1/2	4-1/2
34	43-3/4	2-5/16	47-1/2	4	47-1/2	4-3/8	49	4-3/4
36	46	2-3/8	50	4-1/8	50	4-1/2	51-3/4	4-7/8
42	53	2-5/8	57	4-5/8	57	5-1/8	58-3/4	5-1/2

¹ The 1/16 inch raised face is included in "Length thru Hub 'Z'" and "Thickness 'Q'."

² The 1/4 inch raised face is not included in "Length thru Hub 'Z'" and "Thickness 'Q'."