

Dimensions of Seamless and Welded Steel Pipe

ASA—B36.10 and B36.19

Nominal Pipe Size (in.)	Outside Diameter (in.)	10	20	30	Standard	40	60	Extra Strong	80	100	120	140	160	XX Strong
1/8	0.405	—	—	—	0.068	0.068	—	0.095	0.095	—	—	—	—	—
1/4	0.540	—	—	—	0.088	0.088	—	0.119	0.119	—	—	—	—	—
7/8	0.675	—	—	—	0.091	0.091	—	0.126	0.126	—	—	—	—	—
1/2	0.840	—	—	—	0.109	0.109	—	0.147	0.147	—	—	—	0.188	0.294
3/4	1.050	—	—	—	0.113	0.113	—	0.154	0.154	—	—	—	0.219	0.308
1	1.315	—	—	—	0.133	0.133	—	0.179	0.179	—	—	—	0.250	0.358
1-1/4	1.660	—	—	—	0.140	0.140	—	0.191	0.191	—	—	—	0.250	0.382
1-1/2	1.900	—	—	—	0.145	0.145	—	0.200	0.200	—	—	—	0.281	0.400
2	2.375	—	—	—	0.154	0.154	—	0.218	0.218	—	—	—	0.344	0.436
2-1/2	2.875	—	—	—	0.203	0.203	—	0.276	0.276	—	—	—	0.375	0.552
3	3.50	—	—	—	0.216	0.216	—	0.300	0.300	—	—	—	0.438	0.600
3-1/2	4.00	—	—	—	0.226	0.226	—	0.318	0.318	—	—	—	—	—
4	4.50	—	—	—	0.237	0.237	—	0.337	0.337	—	0.438	—	0.531	0.674
5	5.563	—	—	—	0.258	0.258	—	0.375	0.375	—	0.500	—	0.625	0.750
6	6.625	—	—	—	0.280	0.280	—	0.432	0.432	—	0.562	—	0.719	0.864
8	8.625	—	0.250	0.277	0.322	0.322	0.406	0.500	0.500	0.594	0.719	0.812	0.906	0.873
14 O.D.	14.00	0.250	0.312	0.375	0.375	0.438	0.594	0.500	0.750	0.938	1.094	1.250	1.406	—
16 O.D.	16.00	0.250	0.312	0.375	0.375	0.500	0.656	0.500	0.844	1.031	1.219	1.438	1.594	—
18 O.D.	18.00	0.250	0.312	0.438	0.375	0.562	0.750	0.500	0.938	1.156	1.375	1.562	1.781	—
20 O.D.	20.00	0.250	0.375	0.500	0.375	0.594	0.812	0.500	1.031	1.281	1.500	1.750	1.969	—
22 O.D.	22.00	0.250	0.375	0.500	0.375	—	0.875	0.500	1.125	1.375	1.625	1.875	2.125	—
24 O.D.	24.00	0.250	0.375	0.562	0.375	0.688	0.969	0.500	1.218	1.531	1.812	2.062	2.344	—
26 O.D.	26.00	0.312	0.500	—	0.375	—	—	0.500	—	—	—	—	—	—
28 O.D.	28.00	0.312	0.500	0.625	.0375	—	—	0.500	—	—	—	—	—	—
30 O.D.	30.00	0.312	0.500	0.625	0.375	—	—	0.500	—	—	—	—	—	—
32 O.D.	32.00	0.312	0.500	0.625	0.375	0.688	—	0.500	—	—	—	—	—	—
34 O.D.	34.00	0.312	0.500	0.625	0.375	0.688	—	0.500	—	—	—	—	—	—
36 O.D.	36.00	0.312	0.500	0.625	0.375	0.750	—	0.500	—	—	—	—	—	—
42 O.D.	42.00	—	—	—	0.375	—	—	0.500	—	—	—	—	—	—

Dimensions of 150-Lb. Steel Flanges ASA

Nominal Pipe Size (in.)	Diameter of Bolt Circle (in.)	Number of Bolts	Diameter of Bolts (in.)	Diameter of Bolt Holes (in.)	Flange O.D. (in.)	*Weight (Lbs.)
1	3-1/8	4	1/8	5/8	4-1/2	2
1-1/2	3-7/8	4	1/2	5/8	5	3
2	4-3/4	4	5/8	3/4	6	5
2-1/2	5-1/2	4	5/8	3/4	7	8
3	6	4	5/8	3/4	7-1/2	10
3-1/2	7	8	5/8	3/4	8-1/2	12
4	7-1/2	8	5/8	3/4	9	13
5	8-1/2	8	3/4	7/8	10	15
6	9-1/2	8	3/4	7/8	11	19-1/2
8	11-3/4	8	3/4	7/8	13-1/2	30
10	14-1/4	12	7/8	1	16	41
12	17	12	7/8	1	19	65
14	18-3/4	12	1	1-1/8	21	85
16	21-1/4	16	1	1-1/8	23-1/2	93
18	22-3/4	16	1-1/8	1-1/4	25	120
20	25	20	1-1/8	1-1/4	27-1/2	155
24	29-1/2	20	1-1/4	1-3/8	32	210

*Weights shown for sizes up through 24" are for threaded flanges.

Note: 125-Lb. flange dimensions are same as dimensions of 150-Lb. flanges except thickness and weight.

Dimensions of 150-Lb. Steel Flanges ASA

Nominal Pipe Size (in.)	Diameter of Bolt Circle (in.)	Number of Bolts	Diameter of Bolts (in.)	Diameter of Bolt Holes (in.)	Flange O.D. (in.)	*Weight (Lbs.)
1	3-1/2	4	5/8	3/4	4-7/8	3
1-1/2	4-1/2	4	3/4	7/8	6-1/8	6-1/2
2	5	8	5/8	3/4	6-1/2	7
2-1/2	5-7/8	8	3/4	7/8	7-1/2	10
3	6-5/8	8	3/4	7/8	8-1/4	14
3-1/2	7-1/4	8	3/4	7/8	9	16
4	7-7/8	8	3/4	7/8	10	24
5	9-1/4	8	3/4	7/8	11	31
6	10-5/8	12	3/4	7/8	12-1/2	36
8	13	12	7/8	1	15	56
10	15-1/4	16	1	1-1/8	17-1/2	80
12	17-3/4	16	1-1/8	1-1/4	20-1/2	110
14	20-1/4	20	1-1/8	1-1/4	23	164
16	22-1/2	20	1-1/4	1-3/8	25-1/2	220
18	24-3/4	24	1-1/4	1-3/8	28	280
20	27	24	1-1/4	1-3/8	30-1/2	325
24	32	24	1-1/2	1-5/8	36	490