

Rev. 4-99 Shaded area indicates changes

Cast iron flange dimensions - Class 125

Nominal pipe size	Diameter of flange	Thickness of flange (minimum)	Diameter of bolt circle	Number of bolts	Diameter of bolts	Diameter of bolt holes	Length of bolts	Length of bolt-stud with two nuts
1	4-1/4	7/16	3-1/8	4	1/2	5/8	1-3/4	.....
1-1/4	4-5/8	1/2	3-1/2	4	1/2	5/8	2	.....
1-1/2	5	9/16	3-7/8	4	1/2	5/8	2	.....
2	6	5/8	4-3/4	4	5/8	3/4	2-1/4	.....
2-1/2	7	11/16	5-1/2	4	5/8	3/4	2-1/2	.....
3	7-1/2	3/4	6	4	5/8	3/4	2-1/2	.....
3-1/2	8-1/2	13/16	7	8	5/8	3/4	2-3/4	.....
4	9	15/16	7-1/2	8	5/8	3/4	3	.....
5	10	15/16	8-1/2	8	3/4	7/8	3	.....
6	11	1	9-1/2	8	3/4	7/8	3-1/4	.....
8	13-1/2	1-1/8	11-3/4	8	3/4	7/8	3-1/2	.....
10	16	1-3/16	14-1/4	12	7/8	1	3-1/4	.....
12	19	1-1/4	17	12	7/8	1	3-3/4	.....
14	21	1-3/8	18-3/4	12	1	1-1/8	4-1/4	.....
16	23-1/2	1-7/16	21-1/4	16	1	1-1/8	4-1/2	.....
18	25	1-9/16	22-3/4	16	1-1/8	1-1/4	4-3/4	.....
20	27-1/2	1-11/16	25	20	1-1/8	1-1/4	5	.....
24	32	1-7/8	29-1/2	20	1-1/4	1-3/8	5-1/2	.....
30	38-3/4	2-1/8	36	28	1-1/4	1-3/8	6-1/4	.....
36	46	2-3/8	42-3/4	32	1-1/2	1-5/8	7	.....
42	53	2-5/8	49-1/2	36	1-1/2	1-5/8	7-1/2	.....
48	59-1/2	2-3/4	56	44	1-1/2	1-5/8	7-3/4	.....
* 54	66-1/4	3	62-3/4	44	1-3/4	2	8-1/2	10-1/2
* 60	73	3-1/8	69-1/4	52	1-3/4	2	8-3/4	10-3/4
* 72	86-1/2	3-1/2	82-1/2	60	1-3/4	2	9-1/2	11-1/2
* 84	99-3/4	3-7/8	95-1/2	64	2	2-1/4	10-1/2	12-3/4
*96	113-1/4	4-1/4	108-1/2	68	2-1/4	2-1/2	11-1/2	14

All dimensions are in inches.

* These sizes are included for convenience and do not carry a definite rating.

Extracted from American Standard Cast Iron Pipe Flanges and Flanged Fittings (ANSI B16.1), with the permission of publisher, The American Society of Mechanical Engineers.

Cast iron flange dimensions - Class 250

Nominal pipe size	Diameter of flange	Thickness of flange (min.)	Diameter of raised face	Diameter of bolt circle	Number of bolts	Diameter of bolts	Diameter of bolt holes	Length of bolts	Length of bolt-stud w/ two nuts
1	4-7/8	11/16	2-11/16	3-1/2	4	5/8	3/4	2-1/2	.....
1-1/4	5-1/4	3/4	3-1/16	3-7/8	4	5/8	3/4	2-1/2	.....
1-1/2	6-1/8	13/16	3-9/16	4-1/2	4	3/4	7/8	2-3/4	.....
2	6-1/2	7/8	4-3/16	5	8	5/8	3/4	2-3/4	.....
2-1/2	7-1/2	1	4-15/16	5-7/8	8	3/4	7/8	3-1/4	.....
3	8-1/4	1-1/8	5-11/16	6-5/8	8	3/4	7/8	3-1/2	.....
3-1/2	9	1-3/16	6-5/16	7-1/4	8	3/4	7/8	3-1/2	.....
4	10	1-1/4	6-15/16	7-7/8	8	3/4	7/8	3-3/4	.....
5	11	1-3/8	8-5/16	9-1/4	8	3/4	7/8	4	.....
6	12-1/2	1-7/16	9-11/16	10-5/8	12	3/4	7/8	4	.....
8	15	1-5/8	11-15/16	13	12	7/8	1	4-1/2	.....
10	17-1/2	1-7/8	14-1/16	15-1/4	16	1	1-1/8	5-1/4	.....
12	20-1/2	2	16-7/16	17-3/4	16	1-1/8	1-1/4	5-1/2	.....
14	23	2-1/8	18-15/16	20-1/4	20	1-1/8	1-1/4	6	.....
16	25-1/2	2-1/4	21-1/16	22-1/2	20	1-1/4	1-3/8	6-1/4	.....
18	28	2-3/8	23-5/16	24-3/4	24	1-1/4	1-3/8	6-1/2	.....
20	30-1/2	2-1/2	25-9/16	27	24	1-1/4	1-3/8	6-3/4	.....
24	36	2-3/4	30-1/4	32	24	1-1/2	1-5/8	7-3/4	9-1/2
* 30	43	3	37-3/16	39-1/4	28	1-3/4	2	8-1/2	10-1/2
* 36	50	3-3/8	43-11/16	46	32	2	2-1/4	9-1/2	11-3/4
* 42	57	3-11/16	50-7/16	52-3/4	36	2	2-1/4	10-1/4	12-1/2

All dimensions are in inches.

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