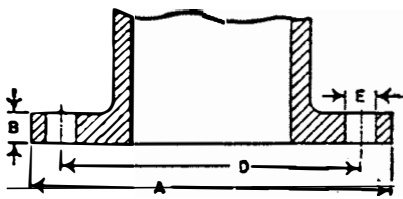
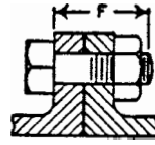


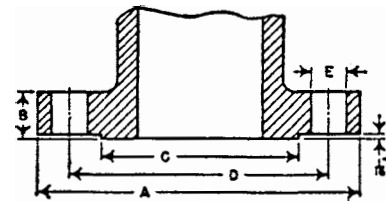
CAST IRON FLANGE DIMENSIONS



Class 125 Cast Iron



Length of Machine Bolt



Class 250 Cast Iron

CLASS 125 CAST IRON FLANGES

Dimensions in Inches

Nominal Pipe Size	Flanges		Drilling		Bolting		Length of Machine Bolts F
	Flange Diameter A	Flange Thickness B	Diameter of Bolt Circle D	Diameter of Bolt Holes E	Number of Bolts	Diameter of Bolts	
1	4 $\frac{1}{4}$	$\frac{7}{16}$	3 $\frac{3}{8}$	$\frac{5}{8}$	4	$\frac{1}{2}$	1 $\frac{3}{4}$
1 $\frac{1}{4}$	4 $\frac{5}{8}$	$\frac{1}{2}$	3 $\frac{1}{2}$	$\frac{5}{8}$	4	$\frac{1}{2}$	2
1 $\frac{1}{2}$	5	$\frac{9}{16}$	3 $\frac{3}{8}$	$\frac{5}{8}$	4	$\frac{1}{2}$	2
2	6	$\frac{5}{8}$	4 $\frac{3}{4}$	$\frac{3}{4}$	4	$\frac{5}{8}$	2 $\frac{1}{4}$
2 $\frac{1}{2}$	7	$\frac{11}{16}$	5 $\frac{1}{2}$	$\frac{3}{4}$	4	$\frac{5}{8}$	2 $\frac{1}{2}$
3	7 $\frac{1}{2}$	$\frac{3}{4}$	6	$\frac{3}{4}$	4	$\frac{5}{8}$	2 $\frac{1}{2}$
3 $\frac{1}{2}$	8 $\frac{1}{2}$	$\frac{13}{16}$	7	$\frac{3}{4}$	8	$\frac{5}{8}$	3
4	9	$\frac{15}{16}$	7 $\frac{1}{2}$	$\frac{3}{4}$	8	$\frac{5}{8}$	3
5	10	$\frac{15}{16}$	8 $\frac{1}{2}$	$\frac{7}{8}$	8	$\frac{3}{4}$	3
6	11	1	9 $\frac{1}{2}$	$\frac{7}{8}$	8	$\frac{3}{4}$	3 $\frac{1}{4}$
8	13 $\frac{1}{2}$	$\frac{11}{8}$	11 $\frac{3}{4}$	$\frac{7}{8}$	8	$\frac{3}{4}$	3 $\frac{1}{2}$
10	16	$\frac{13}{16}$	14 $\frac{1}{4}$	1	12	$\frac{7}{8}$	3 $\frac{3}{4}$
12	19	$\frac{11}{4}$	17	1	12	$\frac{7}{8}$	3 $\frac{3}{4}$
14	21	$\frac{13}{8}$	18 $\frac{3}{4}$	$\frac{11}{8}$	12	1	4 $\frac{1}{4}$
16	23 $\frac{1}{2}$	$\frac{17}{16}$	21 $\frac{1}{4}$	$\frac{11}{8}$	16	1	4 $\frac{1}{2}$
18	25	$\frac{19}{16}$	22 $\frac{3}{4}$	$\frac{11}{4}$	16	$\frac{11}{8}$	4 $\frac{3}{4}$
20	27 $\frac{1}{2}$	$\frac{11}{16}$	25	$\frac{11}{4}$	20	$\frac{11}{8}$	5
24	32	$\frac{17}{8}$	29 $\frac{1}{2}$	$\frac{13}{8}$	20	$\frac{11}{4}$	5 $\frac{1}{2}$
30	38 $\frac{3}{4}$	$\frac{21}{8}$	36	$\frac{13}{8}$	28	$\frac{11}{4}$	6 $\frac{1}{4}$
36	46	$\frac{23}{8}$	42 $\frac{3}{4}$	$\frac{15}{8}$	32	$\frac{11}{2}$	7

Bolt lengths are for flanges of thickness shown herein. Bolt lengths should be checked for the thicker flanges shown in some individual valve description pages.

When flanges are integral with valves or fittings, the bolt holes, which are in multiples of four, are drilled to straddle the center lines unless otherwise ordered. Class 125 cast iron flanges have plain faces.

CLASS 250

Nominal Pipe Size	Flanges			Drilling		Bolting		Length of Machine Bolts F
	Flange Diameter A	Flange Thickness B	Diameter of Raised Face C	Diameter of Bolt Circle D	Diameter of Bolt Holes E	Number of Bolts	Diameter of Bolts	
1	4 $\frac{7}{8}$	$\frac{11}{16}$	2 $\frac{11}{16}$	3 $\frac{1}{2}$	$\frac{3}{4}$	4	$\frac{5}{8}$	2 $\frac{1}{2}$
1 $\frac{1}{4}$	5 $\frac{1}{4}$	$\frac{3}{4}$	3 $\frac{1}{16}$	3 $\frac{7}{8}$	$\frac{3}{4}$	4	$\frac{5}{8}$	2 $\frac{1}{2}$
1 $\frac{1}{2}$	5 $\frac{1}{2}$	$\frac{13}{16}$	3 $\frac{9}{16}$	4 $\frac{1}{2}$	$\frac{7}{8}$	4	$\frac{3}{4}$	2 $\frac{3}{4}$
2	6 $\frac{1}{2}$	$\frac{7}{8}$	4 $\frac{3}{16}$	5	$\frac{3}{4}$	8	$\frac{5}{8}$	2 $\frac{3}{4}$
2 $\frac{1}{2}$	7 $\frac{1}{2}$	1	4 $\frac{15}{16}$	5 $\frac{5}{8}$	$\frac{7}{8}$	8	$\frac{3}{4}$	3 $\frac{1}{4}$
3	8 $\frac{1}{4}$	$\frac{11}{8}$	5 $\frac{11}{16}$	6 $\frac{5}{8}$	$\frac{7}{8}$	8	$\frac{3}{4}$	3 $\frac{1}{2}$
4	10	$\frac{11}{4}$	6 $\frac{5}{16}$	7 $\frac{7}{8}$	$\frac{7}{8}$	8	$\frac{3}{4}$	3 $\frac{3}{4}$
5	11	$\frac{13}{8}$	8 $\frac{5}{16}$	9 $\frac{1}{4}$	$\frac{7}{8}$	8	$\frac{3}{4}$	4
6	12 $\frac{1}{2}$	$\frac{17}{16}$	9 $\frac{11}{16}$	10 $\frac{5}{8}$	$\frac{7}{8}$	12	$\frac{3}{4}$	4
8	15	$\frac{15}{8}$	11 $\frac{15}{16}$	13	1	12	$\frac{7}{8}$	4 $\frac{1}{2}$
10	17 $\frac{1}{2}$	$\frac{17}{8}$	14 $\frac{1}{16}$	15 $\frac{1}{4}$	$\frac{11}{8}$	16	1	5 $\frac{1}{4}$
12	20 $\frac{1}{2}$	2	16 $\frac{7}{16}$	17 $\frac{3}{4}$	$\frac{11}{4}$	16	$\frac{11}{8}$	5 $\frac{1}{2}$
14	23	$\frac{21}{8}$	18 $\frac{15}{16}$	20 $\frac{1}{4}$	$\frac{11}{4}$	20	$\frac{11}{8}$	6
16	25 $\frac{1}{2}$	$\frac{21}{4}$	21 $\frac{1}{16}$	22 $\frac{1}{2}$	$\frac{13}{8}$	20	$\frac{11}{4}$	6 $\frac{1}{4}$
18	28	$\frac{23}{8}$	23 $\frac{9}{16}$	24 $\frac{3}{4}$	$\frac{13}{8}$	24	$\frac{11}{4}$	6 $\frac{1}{2}$
20	30 $\frac{1}{2}$	$\frac{21}{2}$	25 $\frac{9}{16}$	27	$\frac{13}{8}$	24	$\frac{11}{4}$	6 $\frac{3}{4}$
24	36	$\frac{23}{4}$	30 $\frac{9}{16}$	32	$\frac{15}{8}$	24	$\frac{11}{2}$	7 $\frac{1}{2}$

When Class 250 cast iron flanges are bolted to bronze flanges, the $\frac{1}{16}$ -inch raised face should be removed and a full-face gasket used.

The $\frac{1}{16}$ -inch raised face on the Class 250 cast iron flanges is included in the dimension B for thickness of flange.

Bolt lengths are for flanges of thickness shown herein. Bolt lengths should be checked for the thicker flanges shown in some individual valve description pages.