SIEMENS

Technical Bulletin

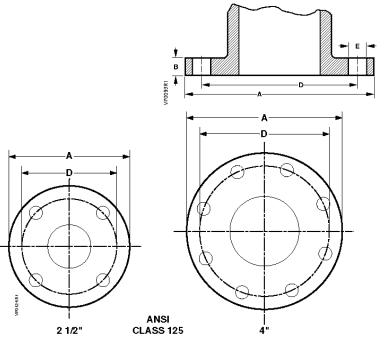
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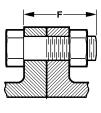
Cast Iron Flange Dimensions For 2-1/2 through 6-inch Valves

Description

This Technical Bulletin shows the standard dimensions for ANSI Class 125 and Class 250 flange valves as defined in ANSI standard B16.1. Also shown are the number and size of bolt holes for each line size. Siemens Building Technologies manufactures its 2-1/2 through 6-inch valves to these standards.

The letters used in the illustrations correspond to dimensions in the accompanying tables. Figure 1 and Table 1 show the ANSI Class 125 flange dimensions. Figure 2 and Table 2 show the ANSI Class 250 flange dimensions.





Length of Machine Bolt.

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Figure 1.	ANSI C	lass 125	Flange	Dimensions.
i igui e i i			riunge	Dimensions.

Nominal Pipe Size	Fla	nges	Drilling		Bolting		
	Flange Diameter A	Flange Thickness B	Diameter of Bolt Circle D	Diameter of Bolt Holes E	Number of Bolts	Diameter of Bolts	Length of Machine Bolts F
2-1/2	7	11/16	5-1/2	3/4	4	5/8	2-1/2
3	7-1/12	3/4	6	3/4	4	5/8	2-1/2
4	9	15/16	7-1/2	3/4	8	5/8	3
5	10	15/16	8-1/2	7/8	8	3/4	3
6	11	1	9-1/2	7/8	8	3/4	3-1/4

Table 4		405 0		D:	in Inches
Table 1.	ANSI Class	s 125 Cast Iro	n Flanges.	Dimensions	in inches.

Dimensions

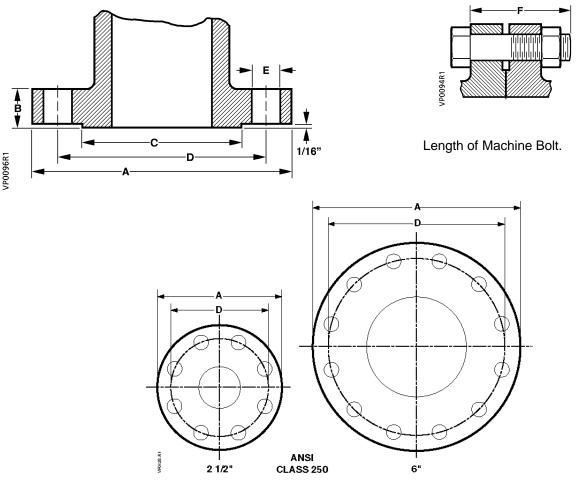


Figure 2. ANSI Class 250 Flange Dimensions.

Table 2.	ANSI	Class	250	Cast Iror	Flanges	. Dimensions	in Inches.
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	Flanges			Drilling		Bolting		
Nominal Pipe Size	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	Length of Machine Bolts F
2-1/2	7-1/2	1	4-15/16	5-7/8	7/8	8	3/4	3-1/4
3	8-1/4	1-1/8	5-11/16	6-5/8	7/8	8	3/4	3-1/2
4	10	1-1/4	6-15/16	7-7/8	7/8	8	3/4	3-3/4
5	11	1-3/8	8-5/16	9-1/4	7/8	8	3/4	4
6	12-1/2	1-7/16	9-11/16	10-5/8	7/8	12	3/4	4

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