



# Industrial Business Link

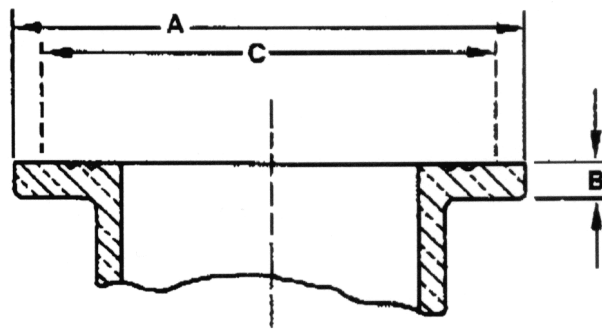
SERVING ALL YOUR NEEDS FOR PIPE, PIPE-FITTINGS, FLANGES, VALVES, GASKETS & STUD BOLTS

209, 2nd Floor, Landmark Plaza, Muhammad Bin Qasim Road, Off. I. I. Chundrigar Road,  
Karachi-74200, Pakistan. Phone: (92-21) 2218028-29,  
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**SPECIALIST IN**  
Carbon Steel  
Stainless Steel  
Alloy Steel  
Low Temperature  
&  
High Pressure  
Materials

## TEMPLATES FOR DRILLING FLANGES

Flange diameters and drilling templates of 150-lb bronze flanges are the same as the 125 lb. USA Cast-Iron Standard (B16.1). Flanges diameters and drilling templates of 250-lb and 300-lb. Bronze flanges are the same as the 250-lb. USA Cast-Iron Flange Standard (B16.5) The faces of these flanges are machined with a serrated spiral finish. When cast iron or steel flanges with raised faces are bolted to these flanges, the raised faces should be removed. Full face gaskets should be used. Metallic Gaskets should not be used.



**150 POUND FLANGES**

Nominal Size of Pipe Inches	A Outside Diameter of Flange Inches	B Minimum Thickness of Flange Inches	C Diameter of Bolt Circle Inches	Diameter of Drilled Bolt Holes Inches	Diameter of Bolts Inches	Length of Bolts Inches	Number of Bolts
1/2	3 1/2	1/16	2 1/8	5/8	1/2	1 1/4	4
3/4	3 7/8	11/32	2 3/4	5/8	1/2	1 1/2	4
1	4 1/4	3/8	3 1/8	5/8	1/2	1 1/2	4
1 1/4	4 3/8	13/32	3 1/2	5/8	1/2	1 1/2	4
1 1/2	5	7/16	3 7/8	5/8	1/2	1 1/2	4
2	6	1/2	4 3/4	3/4	1/8	1 3/4	4
2 1/2	7	9/16	5 1/2	3/4	1/8	2	4
3	7 1/2	5/8	6	3/4	1/8	2	4
3 1/2	8 1/2	11/16	7	3/4	5/8	2 1/4	8
4	9	11/16	7 1/2	3/4	5/8	2 1/4	8
5	10	3/4	8 1/2	7/8	3/4	2 1/2	8
6	11	13/16	9 1/2	7/8	3/4	2 1/2	8
8	13 1/2	15/16	11 3/4	7/8	3/4	2 1/4	8
10	16	1	14 1/4	1	7/8	3 1/4	12
12	19	1 1/16	17	1	7/8	3 1/4	12



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## TEMPLATES FOR DRILLING FLANGES

### 250 POUND FLANGES

Nominal Size of Pipe Inches	A Outside Diameter of Flange Inches	B Minimum Thickness of Flange Inches	C Diameter of Bolt Circle Inches	Diameter of Drilled Bolt Holes Inches	Diameter of Bolts Inches	Length of Bolts Inches	Number of Bolts
1/2	3 3/4	13/32	2 3/8	5/8	1/2	1 1/2	4
3/4	4 1/8	7/16	3 1/4	3/4	3/8	1 3/4	4
1	4 7/8	1/2	3 1/2	3/4	3/8	1 3/4	4
1 1/4	5 1/4	17/32	3 7/8	3/4	3/8	2	4
1 1/2	6 1/8	9/16	4 1/2	7/8	3/4	2	4
2	6 1/2	5/8	5	3/4	3/8	2	8
2 1/2	7 1/2	11/14	5 7/8	7/8	3/4	2 1/4	8
3	8 1/4	7/8	6 5/8	7/8	3/4	2 1/2	8
3 1/2	9	13/16	7 1/4	7/8	3/4	2 1/2	8
4	10	7/8	7 7/8	7/8	3/4	2 1/4	8
5	11	13/16	9 1/4	7/8	3/4	2 1/4	8
6	12 1/2	1	10 3/8	7/8	3/4	3	12
8	15	1 1/8	13	1	3/8	3 1/4	12
10	17 1/2	1 3/16	15 1/4	1 1/8	1	3 3/4	16
12	20 1/2	1 1/4	17 3/4	1 1/4	1 1/8	3 3/4	16

### 300 POUND FLANGES

Nominal Size of Pipe Inches	A Outside Diameter of Flange Inches	B Minimum Thickness of Flange Inches	C Diameter of Bolt Circle Inches	Diameter of Drilled Bolt Holes Inches	Diameter of Bolts Inches	Length of Bolts Inches	Number of Bolts
1/2	3 3/4	1/2	2 5/8	3/8	1/2	1 3/4	4
3/4	4 3/8	17/32	3 1/4	3/4	3/8	2	4
1	4 7/8	19/32	3 1/2	3/4	3/8	2	4
1 1/4	5 1/4	5/8	3 7/8	3/4	3/8	2	4
1 1/2	6 1/8	11/16	4 1/2	7/8	3/4	2 1/4	4
2	6 1/2	3/4	5	3/4	3/8	2 1/4	8
2 1/2	7 1/2	13/16	5 7/8	7/8	3/4	2 1/2	8
3	8 1/4	29/32	6 5/8	7/8	3/4	2 3/4	8
3 1/2	9	31/32	7 1/4	7/8	3/4	3	8
4	10	1 1/16	7 7/8	7/8	3/4	3	8
5	11	1 1/8	9 1/4	7/8	3/4	3 1/4	8
6	12 1/2	1 3/16	10 5/8	7/8	3/4	3 1/4	12
8	15	1 3/8	13	1	3/8	3 1/4	12