

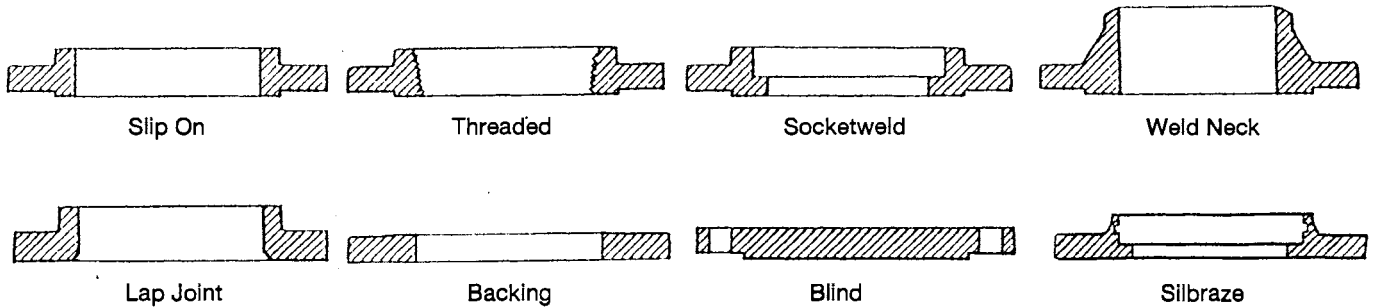
# FLANGES & DIMENSIONS

Flanges to ANSI B16.5 standards are available in all materials and pressure classes. Common flange types are listed below. Metric flanges to DIN and JIS standards see page 98. For Navy and Mil-Spec flanges see pages 189-190.

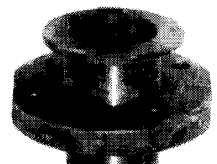
To order: by *description* or specify 3 digit material code + 1 digit pressure class code + 2 digit flange code + facing suffix + bore (applicable to socketweld and weldneck only) + size.

	MATERIAL	PRESSURE	TYPE	FACING	BORE
680	Steel A105	1 150	00 Slip On	RF Raised Face	STD/Sch 40
670	Stainless 304/304L	3 300	20 Threaded	FF Flat Face	XH/Sch 80
671	Stainless 316/316L	6 600	40 Socketweld	RTJ Ring Type Joint	XXH/Sch 160
660	Aluminum 6061	8 900	60 Weldneck		
661	Aluminum 5086	9 1500	70 Silbraz		
689	CopperNickel 90/10		80 Blind		
687	CopperNickel 70/30		85 Undrilled Slip On		
681	Chromemoly F11		90 Lap Joint		
682	Chromemoly F22		95 Backing		
685	Monel 400				
603	Bronze Threaded				
605	Bronze Silbraz				

also available:  
A20 and other stainless alloys  
A350 low temperature  
Titanium



IPS Pipe Size	150 LB				300 LB				600 LB				900 LB				1500 LB			
	Nom. Diam.	Thick.	Bolt Circle	No. and Size of Holes	Diam.	Thick.	Bolt Circle	No. and Size of Holes	Diam.	Thick.	Bolt Circle	No. and Size of Holes	Diam.	Thick.	Bolt Circle	No. and Size of Holes	Diam.	Thick.	Bolt Circle	No. and Size of Holes
1/4	3-1/2	7/16	2-3/8	4-5/8	3-3/4	9/16	2-5/8	4-5/8	3-3/4	9/16	2-5/8	4-5/8	4-3/4	7/8	3-1/4	4-7/8	4-3/4	7/8	3-1/4	4-7/8
3/8	3-1/2	7/16	2-3/8	4-5/8	3-3/4	9/16	2-5/8	4-5/8	3-3/4	9/16	2-5/8	4-5/8	4-3/4	7/8	3-1/4	4-7/8	4-3/4	7/8	3-1/4	4-7/8
1/2	3-1/2	7/16	2-3/8	4-5/8	3-3/4	9/16	2-5/8	4-5/8	3-3/4	9/16	2-5/8	4-5/8	4-3/4	7/8	3-1/4	4-7/8	4-3/4	7/8	3-1/4	4-7/8
3/4	3-7/8	1/2	2-3/4	4-5/8	4-5/8	5/8	3-1/4	4-3/4	4-5/8	5/8	3-1/4	4-3/4	5-1/8	1	3-1/2	4-7/8	5-1/8	7/8	3-1/2	4-7/8
1	4-1/4	9/16	3-1/8	4-5/8	4-7/8	11/16	3-1/2	4-3/4	4-7/8	11/16	3-1/2	4-3/4	5-7/8	1-1/8	4	4-1	5-7/8	1-1/8	4	4-1
1-1/4	4-5/8	5/8	3-1/2	4-5/8	5-1/4	3/4	3-7/8	4-3/4	5-1/4	13/16	3-7/8	4-3/4	8-1/4	1-1/8	4-3/8	4-1	8-1/4	1-1/8	4-3/8	4-1
1-1/2	5	11/16	3-7/8	4-5/8	6-1/8	13/16	4-1/2	4-7/8	6-1/8	7/8	4-1/2	4-7/8	7	1-1/4	4-7/8	4-1-1/8	7	1-1/4	4-7/8	4-1-1/8
2	8	3/4	4-3/4	4-3/4	6-1/2	7/8	5	8-3/4	6-1/2	1	5	8-3/4	8-1/2	1-1/2	6-1/2	8-1	8-1/2	1-1/2	6-1/2	8-1
2-1/2	7	7/8	5-1/2	4-3/4	7-1/2	1	5-7/8	8-7/8	7-1/2	1-1/8	5-7/8	8-7/8	9-5/8	1-5/8	7-1/2	8-1-1/8	9-5/8	1-5/8	7-1/2	8-1-1/8
3	7-1/2	15/16	6	4-3/4	8-1/4	1-1/8	6-5/8	8-7/8	8-1/4	1-1/4	6-5/8	8-7/8	9-1/2	1-1/2	7-1/2	8-1	10-1/2	1-7/8	8	8-1-1/4
3-1/2	8-1/2	15/16	7	8-3/4	9	1-3/16	7-1/4	6-7/8	9	1-3/8	7-1/4	8-1	10-3/4	11			11			
4	9	15/16	7-1/2	8-3/4	10	1-1/4	7-7/8	8-7/8	10-3/4	1-1/2	8-1/2	8-1	11-1/2	1-3/4	9-1/4	8-1-1/4	12-1/4	2-1/8	9-1/2	8-1-3/8
5	10	15/16	8-1/2	8-7/8	11	1-3/8	9-1/4	8-7/8	13	1-3/4	10-1/2	8-1-1/8	13-3/4	2	11	8-1-3/8	14-3/4	2-7/8	11-1/2	8-1-5/8
6	11	1	9-1/2	8-7/8	12-1/2	1-7/16	10-5/8	12-7/8	14	1-7/8	11-1/2	1-1/8	15	2-3/16	12-1/2	1-1/4	15-1/2	3-1/4	12-1/2	1-1/2
8	13-1/2	1-1/8	11-3/4	8-7/8	15	1-5/8	13	12-1	16-1/2	2-3/16	13-3/4	1-1/4	18-1/2	2-1/2	15-1/2	1-1/2	19	3-5/8	15-1/2	1-3/4
10	16	1-3/16	14-1/4	12-1	17-1/2	1-7/8	15-1/4	16-1-1/8	20	2-1/2	17	16-1-3/8	21-1/2	2-3/4	18-1/2	1-1/2	23	4-1/4	19	12-2
12	19	1-1/4	17	12-1	20-1/2	2	17-3/4	16-1-1/4	22	2-5/8	19-1/4	20-1-3/8	24	3-1/8	21	20-1-1/2	26-1/2	4-7/8	22-1/2	16-2-1/8
14	21	1-3/8	18-3/4	12-1-1/8	23	2-1/8	20-1/4	20-1-1/4	23-3/4	2-3/4	20-3/4	20-1-1/2	25-1/4	3-3/8	22	20-1-5/8				
16	23-1/2	1-7/8	21-1/4	16-1-1/8	25-1/2	2-1/4	22-1/2	20-1-3/8	27	3	23-3/4	20-1-5/8	27-3/4	3-1/2	24-1/4	20-1-3/4				
18	25	1-9/16	22-3/4	16-1-1/4	28	2-3/8	24-3/4	24-1-3/8	29-1/4	3-1/4	25-3/4	20-1-3/4	31	4	27	20-2				
20	27-1/2	1-11/16	25	20-1-1/4	30-1/2	2-1/2	27	24-1-3/8	32	3-1/2	28-1/2	24-1-3/4	33-3/4	4-1/4	29-1/2	20-2-1/8				
24	32	1-7/8	29-1/2	20-1-3/8	36	2-3/4	32	24-1-5/8	37	4	33	24-2	41	5-1/2	35-1/2	20-2-5/8				
30	38-3/4	2-1/8	36	28-1-3/8	43	3-5/8	39-1/4	28-1-7/8	44-1/2	4-1/2	40-1/2	28-2-1/8	48-1/2	5-7/8	42-3/4	20-3-1/8				
36	46	2-3/8	42-3/4	32-1-5/8	50	4-1/8	46	32-2-1/8	51-3/4	5	47	28-2-5/8	57-1/2	6-3/4	50-3/4	20-3-5/8				



Type C Stub End with lap joint flange

Note: Metric flanges - see next page  
400 LB, 2500 LB available - More complete diimension charts, showing bolting lengths: pgs 199-201.