

<b>Pipe Thread Engineering Data</b>												
<b>Thread Type</b>		<b>Pipe Size</b>										
		3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
		<b>Number of Threads Per Inch</b>										
<b>NPT</b>	(National Pipe Tapered)	18	14	14	11 1/2	11 1/2	11 1/2	11 1/2	8	8	8	8
<b>NPSM</b>	(National Pipe Straight Mechanical)	18	14	14	11 1/2	11 1/2	11 1/2	11 1/2	8	8	8	8
<b>BSPT</b>	(British Standard Pipe Thread, Tapered)	19	14	14	11	11	11	11	11	11	11	11

Note 1: Straight threads have the same O.D., threads per inch and thread depth as tapered threads.  
 Note 2: Pipe O.D. for American NPT, NPSM and BSPT are essentially the same.  
**Note 3: NPSM Male Pipe will not go into NPT Couplings or tapped fittings.**  
 Note 4: NPSM Female Couplings can go over NPT Male Pipe.

<b>Flange Dimensions</b>						
		<b>150 lb. Bronze Flanges</b>		<b>125 lb. Cast Iron Flanges</b>		
<b>Size</b>	<b>Diameter of Flange</b>	<b>Minimum Thickness of Flange</b>		<b>Diameter of Bolt Circle</b>	<b>Diameter of Bolt Holes</b>	<b>Number of Bolts</b>
		<b>Bronze</b>	<b>Cast Iron</b>			
<b>Inches</b>	<b>A</b>	<b>B</b>	<b>B</b>	<b>C</b>	<b>D</b>	
1 1/2	5	7/16	9/16	3 7/8	3/8	4
2	6	1/2	5/8	4 3/4	3/4	4
2 1/2	7	9/16	11/16	5 1/2	3/4	4
3	7 1/2	5/8	3/4	6	3/4	4
4	9	11/16	15/16	7 1/2	3/4	8
5	10	3/4	15/16	8 1/2	7/8	8
6	11	13/16	1	9 1/2	7/8	8
8	13 1/2	15/16	1 1/8	11 3/4	7/8	8
10	16	1	1 3/16	14 1/4	1	12

These flange bolt circles are identical to 150# steel flange.

