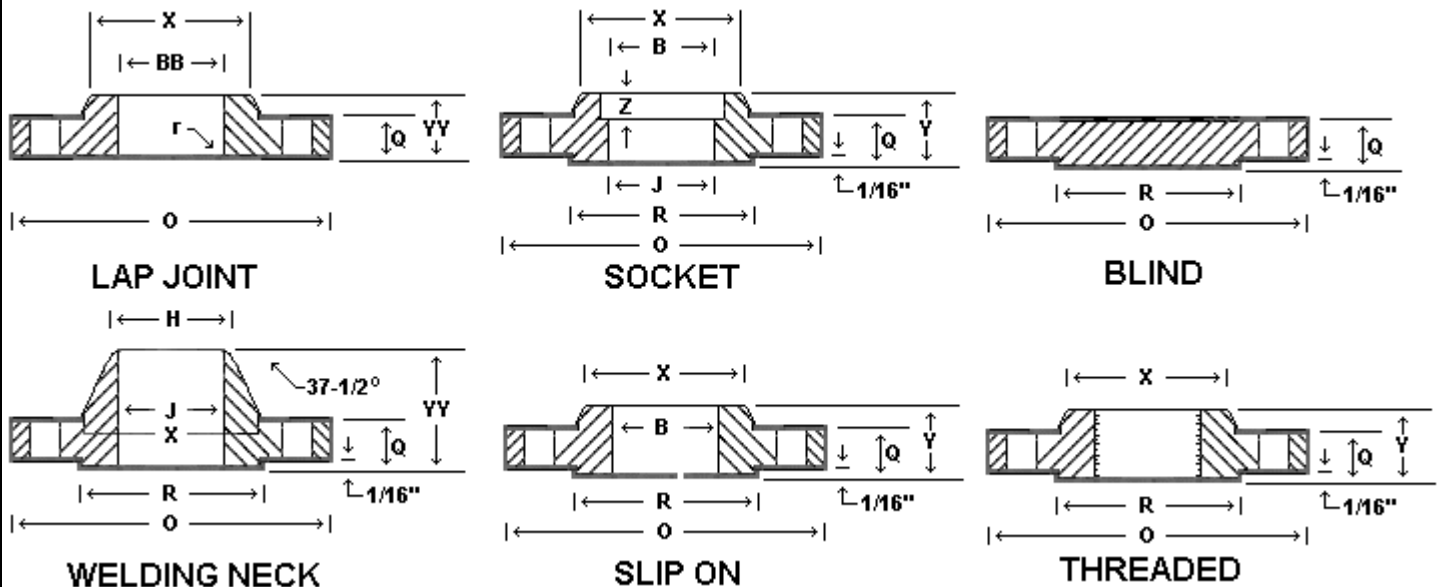




Dimensions for Class 2500 Flanges



Nom. Pipe Size (inches)	O	Q*	R	X	No. and** Dia of Bolt Holes	Bolt Circle Dia.	YY*	H	J	Y*	B	R	YV	BB	C	T	
1/2	5.25	1.19	1.38	1.69	4-0.88	3.50	2.88	0.84	To Be Specified by Purchaser	1.56	.12	1.56	0.90	0.93	1.12	1.12	
3/4	5.50	1.25	1.69	2.00	4-0.88	3.75	3.12	1.05		1.69	.12	1.69	1.11	1.14	1.25		
1	6.25	1.38	2.00	2.25	4-1.00	4.25	3.50	1.32		1.88	.12	1.88	1.38	1.41	1.38		
1 1/4	7.25	1.50	2.50	2.88	4-1.12	5.12	3.75	1.66		2.06	.19	2.06	1.72	1.75	1.50		
1 1/2	8.00	1.75	2.88	3.12	4-1.25	5.75	4.38	1.90		2.38	.25	2.38	1.97	1.99	1.75		
2	9.25	2.00	3.62	3.75	8-1.12	6.75	5.00	2.38		2.75	.31	2.75	2.46	2.50	2.00		
2 1/2	10.50	2.25	4.12	4.50	8-1.25	7.75	5.62	2.88		3.12	.31	3.12	2.97	3.00	2.25		
3	12.00	2.62	5.00	5.25	8-1.38	9.00	6.62	3.50		3.62	.38	3.62	3.60	3.63	2.50		
4	14.00	3.00	6.19	6.50	8-1.62	10.75	7.50	4.50		4.25	.44	4.25	4.60	4.63	2.75		
5	16.50	3.62	7.31	8.00	8-1.88	12.75	9.00	5.56		5.12	.44	5.12	5.69	5.69	3.00		
6	19.00	4.25	8.50	9.25	8-2.12	14.5	10.75	6.63		6.00	.50	6.00	6.75	6.75	3.25		
8	21.75	5.00	10.62	12.00	12-2.12	17.25	12.50	8.63		7.00	.50	7.00	8.75	8.75	3.75		
10	26.50	6.50	12.75	14.75	12-2.62	21.25	16.50	10.75	9.00	.50	9.00	10.92	10.88	4.25			
12	30.00	7.25	15.00	17.38	12-2.88	24.38	18.25	12.75	10.00	.50	10.00	12.92	12.94	4.75			

The following charts are for reference use only. They are based upon older piping systems. Refer to current specifications when designing new systems

Weight (L.B.S.)***								Flange Types	
Pressure Class	Nom. Size Pipe	Weld Neck	Slip-On	Thd.	Lap Joint	Blind	Socket		
2500	1/2	8		7	7	7			
	3/4	9		9	8	10			
	1	13		12	12	12			
	1 1/4	20		18	17	18			
	1 1/2	28		25	24	25			
	2	42		38	37	39			
	2 1/2	52		55	53	56			
	3	94		83	80	86			
	4	146		127	122	133			
	5	244		210	204	223			
	6	378		323	314	345			
	8	576		485	471	533			
	10	1068		925	897	1025			
	12	1608		1300	1262	1464			
	14								
	16								
	18								
	20								
24									

All dimensions given in inches.

Dimensions & tolerances in accordance with ANSI B16.5. Carbon steel flanges mechanical properties and chemistry conform to ASTM A105.

Flanges are furnished faced, drilled and spot faced or back faced.

\*1/4 in. raised face included in dimensions Q, Y and YY.

\*\*Bolt hole diameter 1/8 in. larger than bolt diameter.

\*\*\*Weights listed are approximate values.

\*\*\*\* To be specified by the customer.

