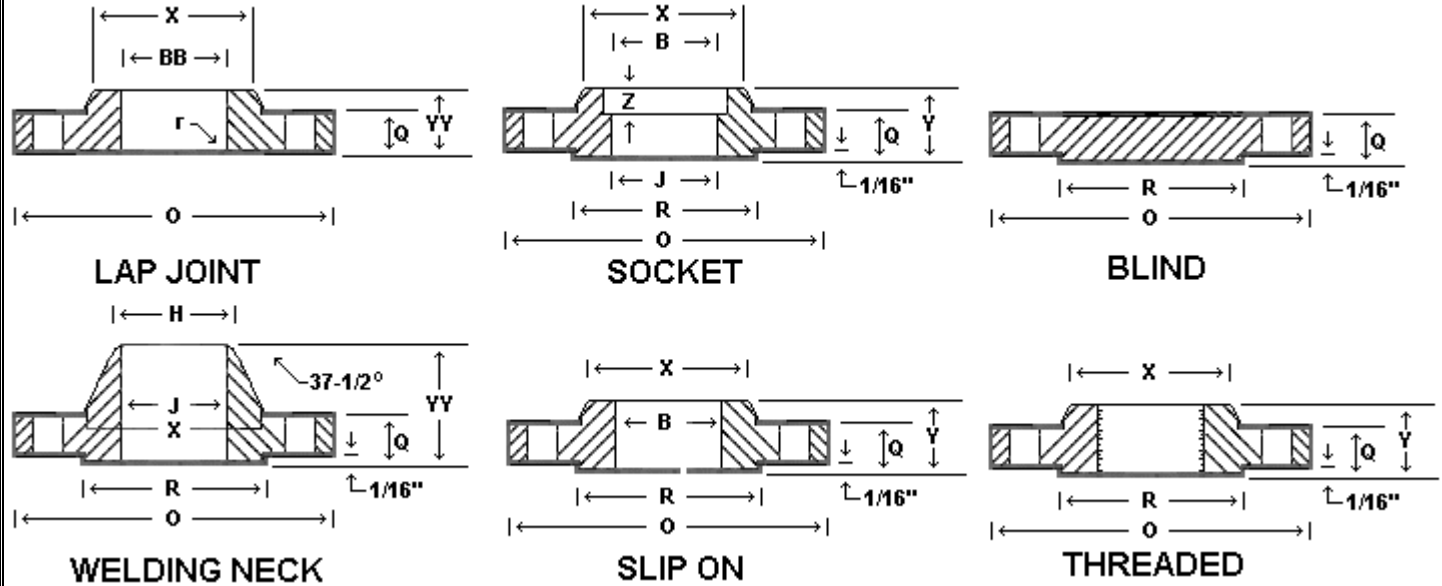


The following charts are for reference use only. They are based upon older piping systems. Refer to current specifications when designing new systems

Dimensions for Class 1500 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	Z	C	T
1/2	4.75	0.88	1.38	1.50	4-0.88	3.25	2.38	0.84	To be speci Fied By The Purc Haser	1.25	0.88	0.12	1.25	0.9	0.38	0.93	0.88
3/4	5.12	1.00	1.69	1.75	4-0.88	3.50	2.75	1.05		1.38	1.09	0.12	1.38	1.11	0.44	1.14	1.00
1	5.88	1.12	2.00	2.06	4-1.00	4.00	2.88	1.32		1.62	1.36	0.12	1.62	1.38	0.50	1.41	1.12
1 1/4	6.25	1.12	2.50	2.50	4-1.00	4.38	2.88	1.66		1.62	1.70	0.19	1.62	1.72	0.56	1.75	1.19
1 1/2	7.00	1.25	2.88	2.75	4-1.12	4.88	3.25	1.90		1.75	1.95	0.25	1.75	1.97	0.62	1.99	1.25
2	8.50	1.50	3.62	4.12	8-1.00	6.50	4.00	2.38		2.25	2.44	0.31	2.25	2.46	0.69	2.50	1.50
2 1/2	9.62	1.62	4.12	4.88	8-1.12	7.50	4.12	2.88		2.50	2.94	0.31	2.50	2.97	0.75	3.00	1.88
3	10.50	1.88	5.00	5.25	8-1.25	8.00	4.62	3.50		2.88	3.60	0.38	2.88	3.60	3.60	3.63	2.00
4	12.25	2.12	6.19	6.38	8-1.38	9.50	4.88	4.50		3.56							
5	14.75	2.88	7.31	7.75	8-1.62	11.50	6.12	5.56		4.12	5.69	5.69	2.50				
6	15.50	3.25	8.50	9.00	12-1.50	12.50	6.75	6.63		4.69	6.75	6.75	2.75				
8	19.00	3.62	10.62	11.50	12-1.75	15.50	8.38	8.63		5.62	8.75	8.75	3.00				
10	23.00	4.25	12.75	14.50	12-2.00	19.00	10.00	10.75		6.25	10.92	10.88	3.31				
12	26.50	4.88	15.00	17.75	16-2.12	22.50	11.12	12.75		7.12	12.92	12.94	3.62				
14	29.50	5.25	16.25	19.50	16-2.38	25.00	11.75	14.00		7.12	9.50	14.18					
16	32.50	5.75	18.50	21.75	16-2.62	27.75	12.25	16.00			10.25	16.19					
18	36.00	6.38	21.00	23.50	16-2.88	30.50	12.00	18.00			10.88	18.20					
20	38.75	7.00	23.00	25.25	16-3.12	32.75	14.00	20.00			11.5	20.25					
24	46.00	8.00	27.25	30.00	16-3.62	39.00	16.00	24.00		0.5	13.00	24.25					

Weight (L.B.S.)***							
Pressure Class	Nom. Size Pipe	Weld Neck	Slip-On	Thd.	Lap Joint	Blind	Socket
1500	1/2	7	6	6	6	4	6.25
	3/4	7	6	6	6	6	6.25
	1	8.5	7.5	7.5	7.5	9	8
	1 1/4	10	10	10	10	10	11
	1 1/2	14	14	14	14	14	15
	2	24	22	22	21	25	24
	2 1/2	36	36	36	29	35	38
	3	48		48	38	448	
	4	69		73	75	73	
	5	132		132	138	142	
	6	164		164	170	159	
	8	273		258	286	302	
	10	454		436	485	507	
	12	690		667	749	775	
	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.

