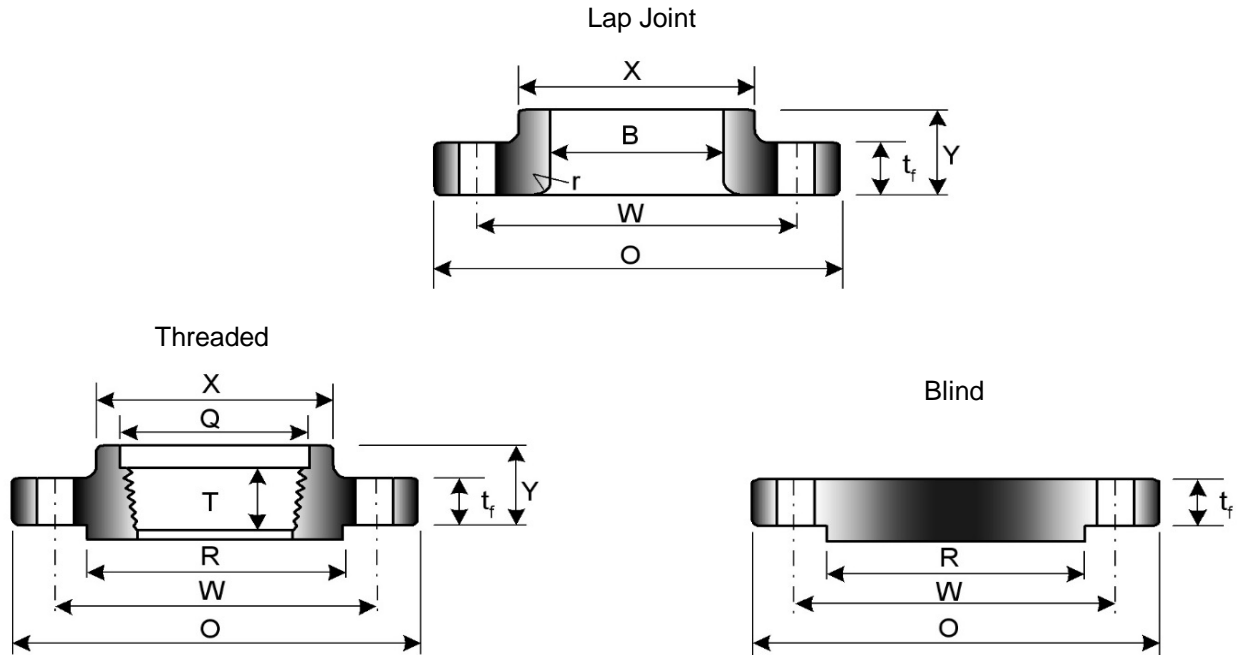


Nominal Pipe Size NPS	O.D. of Flange O	Thickness of Flange ⁽¹⁾ t _f (min)	Diameter of Hub X	Diameter at Bevel A	Length Through Hub			Diameter of Bore ⁽²⁾			Thread Length ⁽³⁾ T (min)
					W/N Y ⁽¹⁾	S/O, Threaded Y ⁽¹⁾	Lap Joint Y ⁽¹⁾	S/O B (min)	Lap Joint B (min)	Counter-bore Q (min)	
1/2											
3/4											
1											
1 1/4											
1 1/2											
2											
2 1/2											
3											
3 1/2											
Use Class 600 dimensions in these sizes											
4	10.00	1.38	5.75	4.50	3.50	2.00	2.00	4.57	4.60	4.63	1.44
5	11.00	1.50	7.00	5.56	4.00	2.12	2.12	5.66	5.69	5.69	1.69
6	12.50	1.62	8.12	6.63	4.06	2.25	2.25	6.72	6.75	6.75	1.81
8	15.00	1.88	10.25	8.63	4.62	2.69	2.69	8.72	8.75	8.75	2.00
10	17.50	2.12	12.62	10.75	4.88	2.88	4.00	10.88	10.92	10.88	2.19
12	20.50	2.25	14.75	12.75	5.38	3.12	4.25	12.88	12.92	12.94	2.38
14	23.00	2.38	16.75	14.00	5.88	3.31	4.62	14.14	14.18	14.19	2.50
16	25.50	2.50	19.00	16.00	6.00	3.69	5.00	16.16	16.19	16.19	2.69
18	28.00	2.62	21.00	18.00	6.50	3.88	5.38	18.18	18.20	18.19	2.75
20	30.50	2.75	23.12	20.00	6.62	4.00	5.75	20.20	20.25	20.19	2.88
24	36.00	3.00	27.62	24.00	6.88	4.50	6.25	24.25	24.25	24.19	3.25

All dimensions are given in inches.



Corner Radius of Bore r	Diameter of RF R	Diameter of Bolt Circle W	Number of Bolt Holes	Diameter of Bolt Holes	Diameter of Bolts	Length of Studs ⁽⁴⁾		Approximate Weight Each in Pounds				Nominal Pipe Size NPS
						0.25" RF	Ring Joint	Welding Neck	S/O, Threaded	Lap Joint	Blind	
Use Class 600 dimensions in these sizes												1/2
Use Class 600 dimensions in these sizes												3/4
Use Class 600 dimensions in these sizes												1
Use Class 600 dimensions in these sizes												1 1/4
Use Class 600 dimensions in these sizes												1 1/2
Use Class 600 dimensions in these sizes												2
Use Class 600 dimensions in these sizes												2 1/2
Use Class 600 dimensions in these sizes												3
Use Class 600 dimensions in these sizes												3 1/2
0.44	6.19	7.88	8	1.00	7/8	5.50	5.50	35	26	25	33	4
0.44	7.31	9.25	8	1.00	7/8	5.75	5.75	43	31	29	44	5
0.50	8.50	10.62	12	1.00	7/8	6.00	6.00	57	44	42	61	6
0.50	10.62	13.00	12	1.12	1	6.75	6.75	89	67	64	100	8
0.50	12.75	15.25	16	1.25	1 1/8	7.50	7.50	125	91	110	155	10
0.50	15.00	17.75	16	1.38	1 1/4	8.00	8.00	175	130	150	225	12
0.50	16.25	20.25	20	1.38	1 1/4	8.25	8.25	230	180	205	290	14
0.50	18.50	22.50	20	1.50	1 3/8	8.75	8.75	295	235	260	370	16
0.50	21.00	24.75	24	1.50	1 3/8	9.00	9.00	350	285	315	455	18
0.50	23.00	27.00	24	1.62	1 1/2	9.50	9.75	425	345	385	585	20
0.50	27.25	32.00	24	1.88	1 3/4	10.50	11.00	620	510	570	890	24

Notes:

- (1) 1/4" RF not included in Flange Thickness (t_f) and Length Through Hub (Y).
- (2) Bore diameter of Welding Neck Flange to be specified by purchaser.
- (3) Class 400 Threaded Flanges are made with a counterbore. Threads are per ASME B1.20.1.
- (4) Stud lengths noted are thread to thread, and assume a 1/8" gasket thickness.