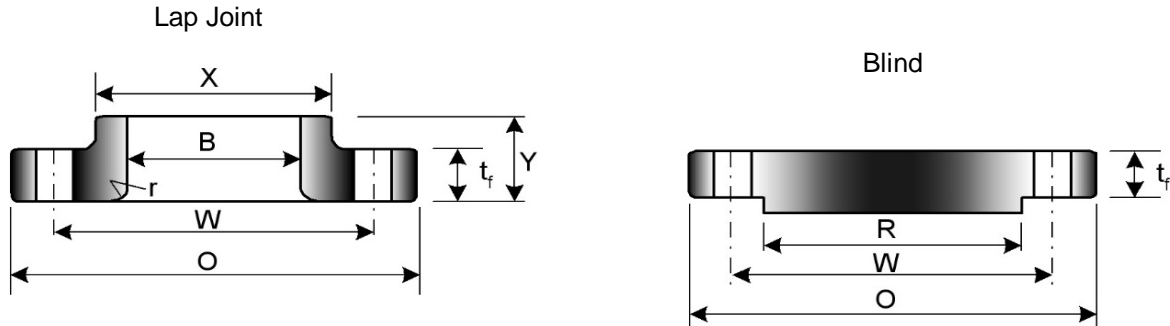


Nominal Pipe Size NPS	O.D. of Flange O	Thickness of Flange <sup>(1)</sup> t <sub>f</sub> (min)	Diameter of Hub X	Diameter at Bevel A	Length Through Hub			Diameter of Bore <sup>(2)</sup>		Thread Length <sup>(3)</sup> T (min)
					W/N Y <sup>(1)</sup>	Threaded Y <sup>(1)</sup>	Lap Joint Y <sup>(1)</sup>	Lap Joint B (min)	Counter-bore Q (min)	
1/2	5.25	1.19	1.69	0.84	2.88	1.56	1.56	0.90	0.93	1.12
3/4	5.50	1.25	2.00	1.05	3.12	1.69	1.69	1.11	1.14	1.25
1	6.25	1.38	2.25	1.32	3.50	1.88	1.88	1.38	1.41	1.38
1 1/4	7.25	1.50	2.88	1.66	3.75	2.06	2.06	1.72	1.75	1.50
1 1/2	8.00	1.75	3.12	1.90	4.38	2.38	2.38	1.97	1.99	1.75
2	9.25	2.00	3.75	2.38	5.00	2.75	2.75	2.46	2.50	2.00
2 1/2	10.50	2.25	4.50	2.88	5.62	3.12	3.12	2.97	3.00	2.25
3	12.00	2.62	5.25	3.50	6.62	...	3.62	3.60	...	...
4	14.00	3.00	6.50	4.50	7.50	...	4.25	4.60	...	...
5	16.50	3.62	8.00	5.56	9.00	...	5.12	5.69	...	...
6	19.00	4.25	9.25	6.63	10.75	...	6.00	6.75	...	...
8	21.75	5.00	12.00	8.63	12.50	...	7.00	8.75	...	...
10	26.50	6.50	14.75	10.75	16.50	...	9.00	10.92	...	...
12	30.00	7.25	17.38	12.75	18.25	...	10.00	12.92	...	...

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 <sup>(4)</sup>		Approximate Weight Each in Pounds				Nominal Pipe Size NPS
						0.25" RF	Ring Joint	Welding Neck	Threaded	Lap Joint	Blind	
0.12	1.38	3.50	4	0.88	3/4	4.75	4.75	7	7	7	7	1/2
0.12	1.69	3.75	4	0.88	3/4	5.00	5.00	8	8	8	8	3/4
0.12	2.00	4.25	4	1.00	7/8	5.50	5.50	12	11	11	11	1
0.19	2.50	5.12	4	1.12	1	6.00	6.00	17	16	16	17	1 1/4
0.25	2.88	5.75	4	1.25	1 1/8	6.75	6.75	25	22	22	23	1 1/2
0.31	3.62	6.75	8	1.12	1	7.00	7.00	42	38	37	39	2
0.31	4.12	7.75	8	1.25	1 1/8	7.75	8.00	52	55	53	56	2 1/2
0.38	5.00	9.00	8	1.38	1 1/4	8.75	9.00	94	...	80	86	3
0.44	6.19	10.75	8	1.62	1 1/2	10.00	10.25	145	...	120	135	4
0.44	7.31	12.75	8	1.88	1 3/4	11.75	12.25	245	...	205	225	5
0.50	8.50	14.50	8	2.12	2	13.50	14.00	380	...	315	345	6
0.50	10.62	17.25	12	2.12	2	15.00	15.50	580	...	470	530	8
0.50	12.75	21.25	12	2.62	2 1/2	19.25	20.00	1075	...	900	1025	10
0.50	15.00	24.38	12	2.88	2 3/4	21.25	22.00	1525	...	1100	1300	12

**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 2500 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.