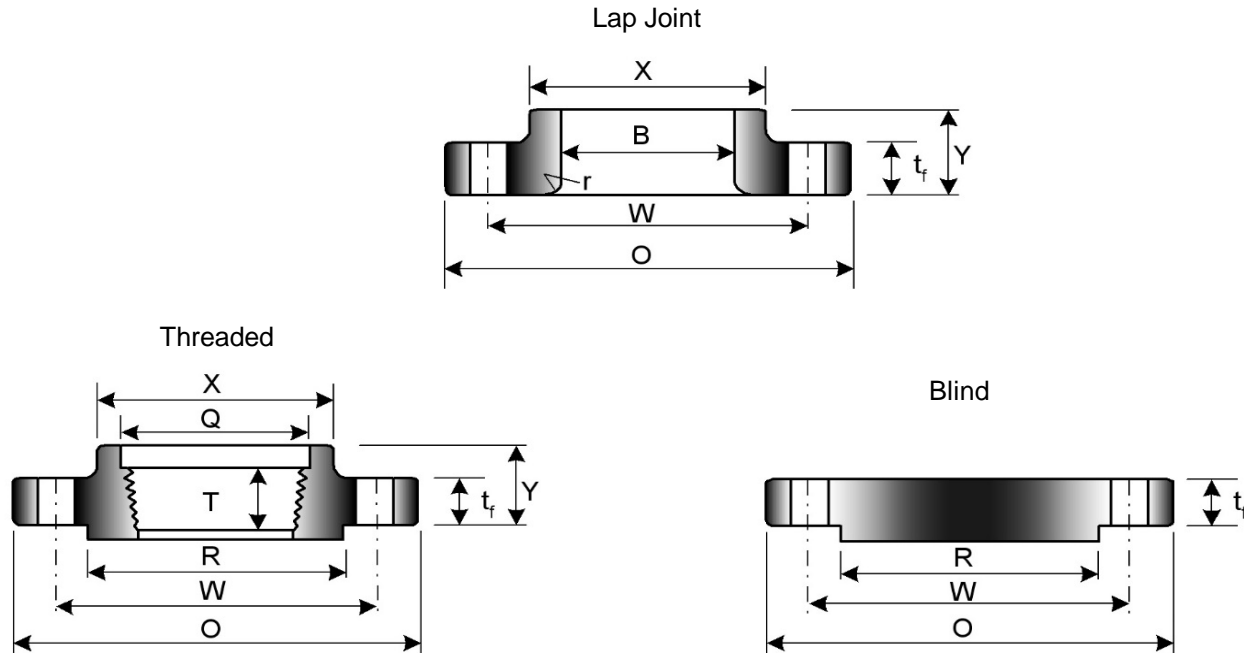


Nominal Pipe Size NPS	O.D. of Flange O	Thickness of Flange ⁽¹⁾ t _f (min)	Diameter of Hub X	Diameter at Bevel A	Length Through Hub			Diameter of Bore ⁽²⁾			Thread Length ⁽³⁾ T (min)	Depth of Socket D
					W/N Y ⁽¹⁾	S/O, Thrd. S/W Y ⁽¹⁾	Lap Joint Y ⁽¹⁾	S/O, S/W B (min)	Lap Joint B (min)	Counter-bore Q (min)		
1/2	3.75	0.56	1.50	0.84	2.06	0.88	0.88	0.88	0.90	0.93	0.62	0.38
3/4	4.62	0.62	1.88	1.05	2.25	1.00	1.00	1.09	1.11	1.14	0.62	0.44
1	4.88	0.69	2.12	1.32	2.44	1.06	1.06	1.36	1.38	1.41	0.69	0.50
1 1/4	5.25	0.81	2.50	1.66	2.62	1.12	1.12	1.70	1.72	1.75	0.81	0.56
1 1/2	6.12	0.88	2.75	1.90	2.75	1.25	1.25	1.95	1.97	1.99	0.88	0.62
2	6.50	1.00	3.31	2.38	2.88	1.44	1.44	2.44	2.46	2.50	1.12	0.69
2 1/2	7.50	1.12	3.94	2.88	3.12	1.62	1.62	2.94	2.97	3.00	1.25	0.75
3	8.25	1.25	4.62	3.50	3.25	1.81	1.81	3.57	3.60	3.63	1.38	0.81
3 1/2	9.00	1.38	5.25	4.00	3.38	1.94	1.94	4.07	4.10	4.13	1.56	...
4	10.75	1.50	6.00	4.50	4.00	2.12	2.12	4.57	4.60	4.63	1.62	...
5	13.00	1.75	7.44	5.56	4.50	2.38	2.38	5.66	5.69	5.69	1.88	...
6	14.00	1.88	8.75	6.63	4.62	2.62	2.62	6.72	6.75	6.75	2.00	...
8	16.50	2.19	10.75	8.63	5.25	3.00	3.00	8.72	8.75	8.75	2.25	...
10	20.00	2.50	13.50	10.75	6.00	3.38	4.38	10.88	10.92	10.88	2.56	...
12	22.00	2.62	15.75	12.75	6.12	3.62	4.62	12.88	12.92	12.94	2.75	...
14	23.75	2.75	17.00	14.00	6.50	3.69	5.00	14.14	14.18	14.19	2.88	...
16	27.00	3.00	19.50	16.00	7.00	4.19	5.50	16.16	16.19	16.19	3.06	...
18	29.25	3.25	21.50	18.00	7.25	4.62	6.00	18.18	18.20	18.19	3.12	...
20	32.00	3.50	24.00	20.00	7.50	5.00	6.50	20.20	20.25	20.19	3.25	...
24	37.00	4.00	28.25	24.00	8.00	5.50	7.25	24.25	24.25	24.19	3.62	...

All dimensions are given in inches.

Trans Am

Piping Products Ltd.



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, S/W, Threaded	Lap Joint	Blind	
0.12	1.38	2.62	4	0.62	1/2	3.00	3.00	2	2	2	2	1/2
0.12	1.69	3.25	4	0.75	5/8	3.50	3.50	4	3	3	3	3/4
0.12	2.00	3.50	4	0.75	5/8	3.50	3.50	4	4	4	4	1
0.19	2.50	3.88	4	0.75	5/8	3.75	3.75	6	5	5	5	1 1/4
0.25	2.88	4.50	4	0.88	3/4	4.25	4.25	8	7	7	8	1 1/2
0.31	3.62	5.00	8	0.75	5/8	4.25	4.25	12	9	9	10	2
0.31	4.12	5.88	8	0.88	3/4	4.75	4.75	18	13	12	15	2 1/2
0.38	5.00	6.62	8	0.88	3/4	5.00	5.00	23	16	15	20	3
0.38	5.50	7.25	8	1.00	7/8	5.50	5.50	26	21	20	29	3 1/2
0.44	6.19	8.50	8	1.00	7/8	5.75	5.75	42	37	36	41	4
0.44	7.31	10.50	8	1.12	1	6.50	6.50	68	63	61	68	5
0.50	8.50	11.50	12	1.12	1	6.75	6.75	81	80	78	86	6
0.50	10.62	13.75	12	1.25	1 1/8	7.50	7.75	120	115	110	140	8
0.50	12.75	17.00	16	1.38	1 1/4	8.50	8.50	190	170	170	230	10
0.50	15.00	19.25	20	1.38	1 1/4	8.75	8.75	225	200	200	295	12
0.50	16.25	20.75	20	1.50	1 3/8	9.25	9.25	280	230	250	355	14
0.50	18.50	23.75	20	1.62	1 1/2	10.00	10.00	390	330	365	495	16
0.50	21.00	25.75	20	1.75	1 5/8	10.75	10.75	475	400	435	630	18
0.50	23.00	28.50	24	1.75	1 5/8	11.25	11.50	590	510	570	810	20
0.50	27.25	33.00	24	2.00	1 7/8	13.00	13.25	830	730	810	1250	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 and small bore of Socket Weld Flange to be specified by purchaser.
- (3) Class 600 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.