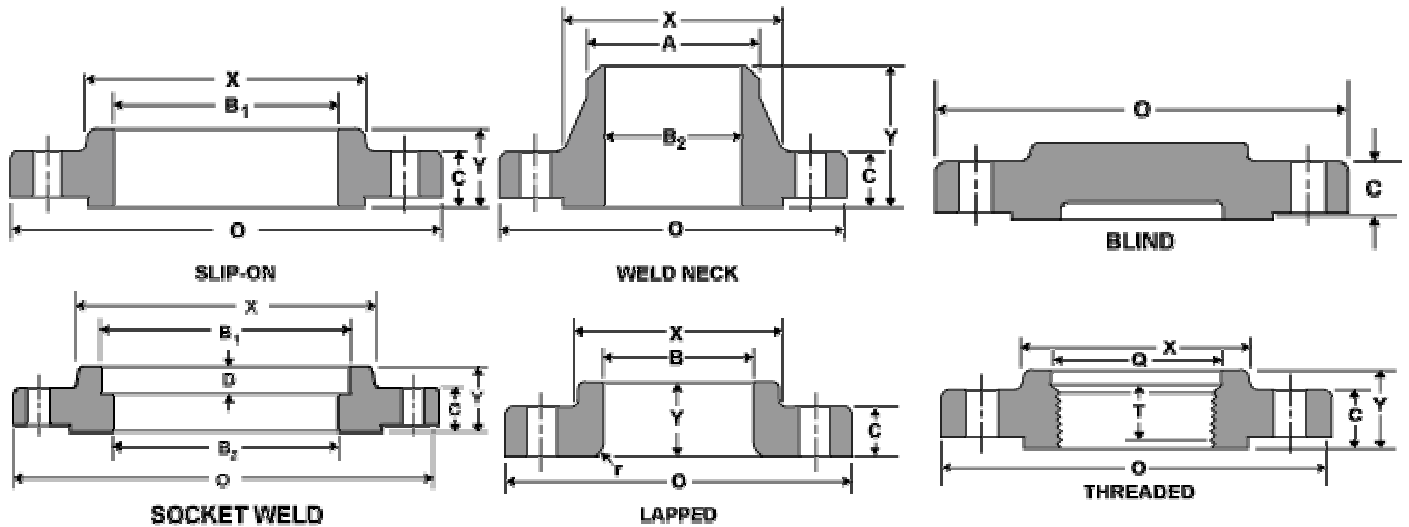


Class 300 Steel Pipe Flanges

DIMENSIONAL SPECIFICATIONS



Pipe Size	O Outside Diameter of Flange	C Thickness of Flange, Minimum	X Diameter of Hub	A Diameter of Weld Neck	Y Threaded Slip-On	Y Lap-Joint	Y Weld Neck	T Thread Length Threaded Flange, Minimum	B1 Slip-On, Minimum	B Lap-Joint, Minimum	B2 Weld Neck / Socket Weld	r Lap-Joint Flange Radius	Q Counter-bore Threaded Flange, Minimum
1/2	3.75	0.56	1.50	0.84	0.88	0.88	2.06	0.62	0.88	0.90	0.62	0.12	0.91
3/4	4.62	0.62	1.88	1.05	1.00	1.00	2.25	0.62	1.09	1.11	0.82	0.12	1.14
1	4.88	0.69	2.12	1.32	1.06	1.06	2.44	0.69	1.36	1.38	1.05	0.12	1.41
1 1/4	5.25	0.75	2.50	1.66	1.06	1.06	2.56	0.81	1.70	1.72	1.38	0.19	1.75
1 1/2	6.12	0.81	2.75	1.90	1.19	1.19	2.69	0.88	1.95	1.97	1.61	0.25	1.99
2	6.50	0.88	3.31	2.38	1.31	1.31	2.75	1.12	2.44	2.46	2.07	0.31	2.50
2 1/2	7.50	1.00	3.94	2.88	1.50	1.50	3.00	1.25	2.94	2.97	2.47	0.31	3.00
3	8.25	1.12	4.62	3.50	1.69	1.69	3.12	1.25	3.57	3.60	3.07	0.38	3.63
3 1/2	9.00	1.19	5.25	4.00	1.75	1.75	3.19	1.44	4.07	4.10	3.55	0.38	4.13
4	10.00	1.25	5.75	4.50	1.88	1.88	3.38	1.44	4.57	4.60	4.03	0.44	4.63
5	11.00	1.38	7.00	5.56	2.00	2.00	3.88	1.69	5.66	5.69	5.05	0.44	5.69
6	12.50	1.44	8.12	6.63	2.06	2.06	3.88	1.81	6.72	6.75	6.07	0.50	6.75
8	15.00	1.62	10.25	8.63	2.44	2.44	4.38	2.00	8.72	8.75	7.98	0.50	8.75
10	17.50	1.88	12.62	10.75	2.62	3.75	4.62	2.19	10.88	10.92	10.02	0.50	10.88
12	20.50	2.00	14.75	12.75	2.88	4.00	5.12	2.38	12.88	12.92	12.00	0.50	12.94
14	23.00	2.12	16.75	14.00	3.00	4.38	5.62	2.50	14.14	14.18	13.25	0.50	14.19
16	25.50	2.25	19.00	16.00	3.25	4.75	5.75	2.69	16.16	16.19	15.25	0.50	16.19
18	28.00	2.38	21.00	18.00	3.50	5.12	6.25	2.75	18.18	18.20	17.25	0.50	18.19
20	30.50	2.50	23.12	20.00	3.75	5.50	6.38	2.88	20.20	20.25	19.25	0.50	20.19
24	36.00	2.75	27.62	24.00	4.19	6.00	6.62	3.25	24.25	24.25	23.25	0.50	24.19

Class 300 Series A The flanges below from 30" - 48" conform to ASTM B16.47

Nominal Pipe Size	Outside Diameter	Minimum Thickness Of Flange	Length Through	Diameter of Hub	Hub Diameter	Raised Face	Minimum Fillet
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	of Flange	Weld Neck	Blind	Hub		Top	Diameter	Radius r1
30	43.00	3.62	3.75	8.25	32.56	30.00	33.75	0.44
36	50.00	4.12	4.38	9.50	39.00	36.00	40.25	0.50
42	50.75	4.69	4.69	7.88	43.25	42.00	44.75	0.50
48	57.75	5.25	5.25	8.81	49.38	48.00	51.25	0.50

Class 300 Bolt Patterns & Bolt Lengths >

* Should flanges be required with flat face, shipments may be either the full thickness, or a thickness with raised face removed. (Removal of the raised face produces a non-standard length through the hub.)

** A taper shall not exceed 7 degrees on threaded, slip-on, and lap-joint flanges.