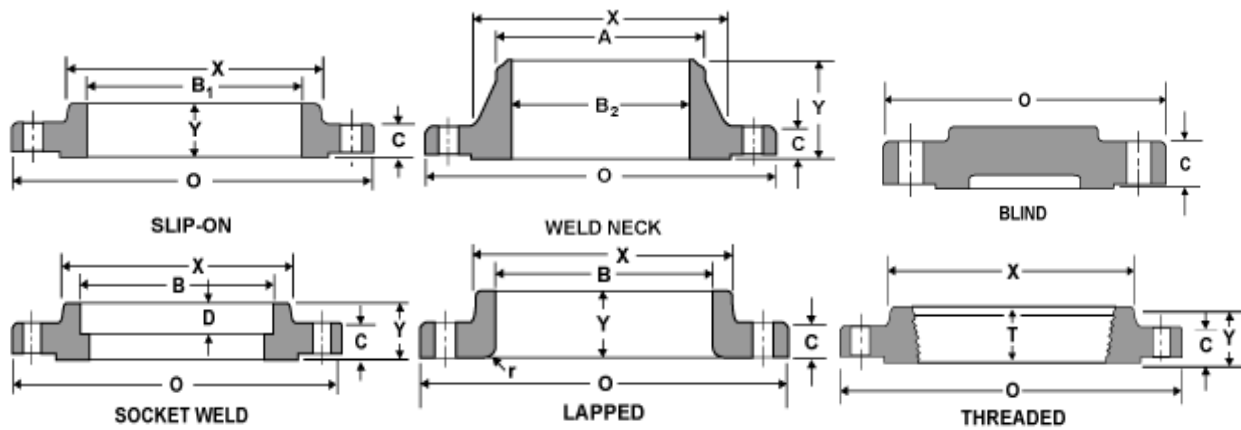


# Class 150 Steel Pipe Flanges

## DIMENSIONAL SPECIFICATION



Pipe Size	O	C	X	A	Y	Y	Y	T	B1	B	B2	r	D
	Outside Diameter of Flange	* Thickness of Flange, Minimum	** Diameter of Hub	Diameter of Weld neck	Threaded Slip-On	Lap-Joint	Weld Neck	Thread Length Threaded Flange, Minimum	Slip-On, Minimum	Lap-Joint, Minimum	Weld neck / Socket weld	Lap-Joint Flange Radius	Depth of Socket

1/2	3.50	0.44	1.19	0.84	0.62	0.62	1.88	0.62	0.88	0.90	0.62	0.12	0.38
3/4	3.88	0.50	1.50	1.05	0.62	0.62	2.06	0.62	1.09	1.11	0.82	0.12	0.44
1	4.25	0.56	1.94	1.32	0.69	0.69	2.19	0.69	1.36	1.38	1.05	0.12	0.50
1 1/4	4.62	0.62	2.31	1.66	0.81	0.81	2.25	0.81	1.70	1.72	1.38	0.19	0.56
1 1/2	5.00	0.69	2.56	1.90	0.88	0.88	2.44	0.88	1.95	1.97	1.61	0.25	0.62
2	6.00	0.75	3.06	2.38	1.00	1.00	2.50	1.00	2.44	2.46	2.07	0.31	0.69
2 1/2	7.00	0.88	3.56	2.88	1.12	1.12	2.75	1.12	2.94	2.97	2.47	0.31	0.75
3	7.50	0.94	4.25	3.50	1.19	1.19	2.75	1.19	3.57	3.60	3.07	0.38	0.81
3 1/2	8.50	0.94	4.81	4.00	1.25	1.25	2.81	1.25	4.07	4.10	3.55	0.38	...
4	9.00	0.94	5.31	4.50	1.31	1.31	3.00	1.31	4.57	4.60	4.03	0.44	...
5	10.00	0.94	6.44	5.56	1.44	1.44	3.50	1.44	5.66	5.69	5.05	0.44	...
6	11.00	1.00	7.56	6.63	1.56	1.56	3.50	1.56	6.72	6.75	6.07	0.50	...
8	13.50	1.12	9.69	8.63	1.75	1.75	4.00	1.75	8.72	8.75	7.98	0.50	...
10	16.00	1.19	12.00	10.75	1.94	1.94	4.00	1.94	10.88	10.92	10.02	0.50	...
12	19.00	1.25	14.38	12.75	2.19	2.19	4.50	2.19	12.88	12.92	12.00	0.50	...
14	21.00	1.38	15.75	14.00	2.25	3.12	5.00	2.25	14.14	14.18	13.25	0.50	...
16	23.50	1.44	18.00	16.00	2.50	3.44	5.00	2.50	16.16	16.19	15.25	0.50	...
18	25.00	1.56	19.88	18.00	2.69	3.81	5.50	2.69	18.18	18.20	17.25	0.50	...
20	27.50	1.69	22.00	20.00	2.88	4.06	5.69	2.88	20.20	20.25	19.25	0.50	...
24	32.00	1.88	26.12	24.00	3.25	4.38	6.00	3.25	24.25	24.25	23.25	0.50	...

### Class 150 Series A The flanges below, from 30" - 48", conform to ASME B16.47

Nominal Pipe Size	Outside Diameter of Flange	Minimum Thickness Of Flange		Length Through Hub	Diameter of Hub	Hub Diameter Top	Raised Face Diameter	Minimum Fillet Radius r1
		Weldneck	Blind					
30	38.75	2.94	2.94	5.38	30.75	30.00	33.75	0.44
36	46.00	3.56	3.56	6.19	36.75	36.00	40.25	0.50
42	53.00	3.81	3.81	6.75	43.00	42.00	47.00	0.50
48	59.50	4.25	4.25	7.56	49.12	48.00	53.50	0.50

### Class 150 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.