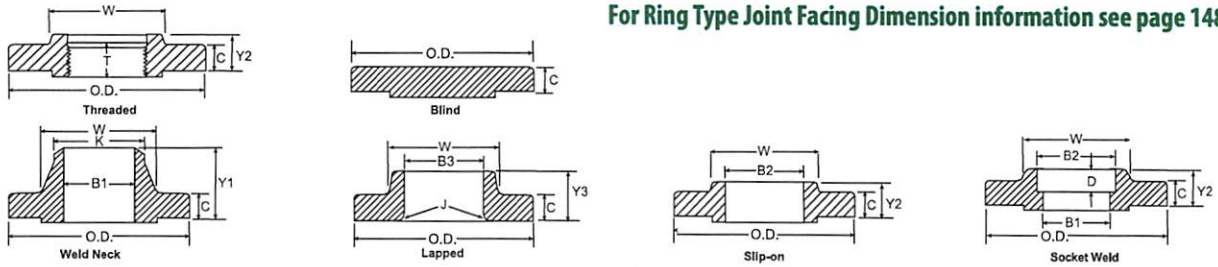


CLASS 150 STEEL PIPE FLANGES

For Ring Type Joint Facing Dimension information see page 148.



Pipe Size	Outside Diameter of Flange	Thickness of Flange (Min.)	Thickness of Lap Joint (Min.)	Diameter of Hub*	Diameter of Weld Neck	Length Through Hub			Thread Length (Min.)	Bore			Lap Joint Radius	Depth of Socket
						Threaded, Slip-on & Socket Weld	Lap Joint	Weld Neck		Slip-on & Socket Weld (Min.)	Lap Joint (Min.)	Weld Neck & Socket Weld		
	O.D.	C	C	W	K	Y2	Y3	Y1	T	B2	B3	B1 ▲	J	D

ASME B16.5

1/2	90	9.6	11.2	30	21.3	14	16	46	16	22.2	22.9	15.8	3	10
3/4	100	11.2	12.7	38	26.7	14	16	51	16	27.7	28.2	20.9	3	11
1	110	12.7	14.3	49	33.4	16	17	54	17	34.5	34.9	26.6	3	13
1 1/4	115	14.3	15.9	59	42.2	19	21	56	21	43.2	43.7	35.1	5	14
1 1/2	125	15.9	17.5	65	48.3	21	22	60	22	49.5	50.0	40.9	6	16
2	150	17.5	19.1	78	60.3	24	25	62	25	61.9	62.5	52.5	8	17
2 1/2	180	20.7	22.3	90	73.0	27	29	68	29	74.6	75.4	62.7	8	19
3	190	22.3	23.9	108	88.9	29	30	68	30	90.7	91.4	77.9	10	21
3 1/2	215	22.3	23.9	122	101.6	30	32	70	32	103.4	104.1	90.1	10	
4	230	22.3	23.9	135	114.3	32	33	75	33	116.1	116.8	102.3	11	
5	255	22.3	23.9	164	141.3	35	36	87	36	143.8	144.4	128.2	11	
6	280	23.9	25.4	192	168.3	38	40	87	40	170.7	171.4	154.1	13	
8	345	27.0	28.6	246	219.1	43	44	100	44	221.5	222.2	202.7	13	
10	405	28.6	30.2	305	273.0	48	49	100	49	276.2	277.4	254.6	13	
12	485	30.2	31.8	365	323.8	54	56	113	56	327.0	328.2	304.8	13	
14	535	33.4	35.0	400	355.6	56	79	125	57	359.2	360.2	*	13	
16	595	35.0	36.6	457	406.4	62	87	125	64	410.5	411.2	*	13	
18	633	38.1	39.7	505	457.0	67	97	138	68	461.8	461.8	*	13	
20	700	41.3	42.9	559	508.0	71	103	143	73	513.1	514.4	*	13	
24	815	46.1	47.7	663	610.0	81	111	151	83	616.0	616.0	*	13	

ASME B16.47 Series A

30	985	73.1	73.1	781	762.0	135	
36	1170	88.9	88.9	933	914.4	156	
42	1345	95.3	95.3	1092	1066.8	170	
48	1510	106.4	106.4	1248	1219.2	191	

ASME B16.47 Series B

30	885	43.0	49.3	787	763.5	98	
36	1055	50.9	57.3	945	915.9	116	
42	1225	57.3	66.8	1102	1069.8	132	
48	1390	63.6	76.3	1257	1222.2	148	

WELDBEND NOTES

- Standard flange facings on page 146.
- All dimensions are in millimeters.
- Calculated flange weights on page 99.
- For dimensional tolerances see page 144.
- Weld end preparations on page 154.

- Thread standards on page 156.
- Blind flanges may be produced with or without hubs.
- All flanges conform to ASTM A105/ASME SA105.
- All flanges NPS 1/2-24 conform to ASME B16.5.
- All flanges NPS 30 and larger conform to ASME B16.47.

- * A taper shall not exceed 7 degrees on threaded, slip-on and lapped flanges.
▲ Dimensions listed for socket weld and weld neck flanges are for Standard bore unless specified by purchaser.