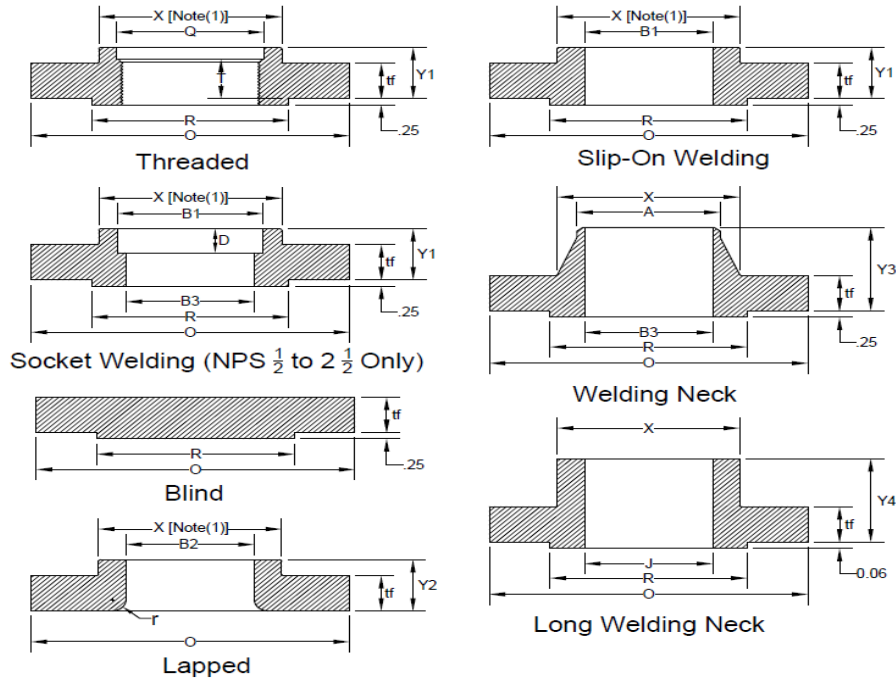




CLASS 900 FLANGE

ASME B16.5-2017



Nominal Pipe Size/ Bore for LWN J	Outside Diameter O	Min. Thickness tf	Diameter of Raised Face R	Diameter of Hub X	Diameter Beginning of Chamfer of Welding Neck A	Length Through Hub				Bore				Corner Bore Radius of Lapped Flange and Pipe r	Depth of Socket D	Minimum Counter-bore Threaded Flange Q	Bolt Circle Dia	Number of Holes	Diameter of Holes
						Threaded Slip-on Socket Welding Y1	Lapped Y2	Welding Neck Y3	Long Welding Neck Y4	Minimum Thread Length Threaded T	Minimum Slip-On Socket Welding B1	Minimum Lapped B2	Welding Neck / Socket Welding B3						
1/2	4.75	0.88	1.38	1.50	0.84	1.25	1.25	2.38	9.00	0.88	0.88	0.90	Note-3	0.12	0.38	0.93	3.25	4	0.88
3/4	5.12	1.00	1.69	1.75	1.05	1.38	1.38	2.75	9.00	1.00	1.09	1.11	Note-3	0.12	0.44	1.14	3.50	4	0.88
1	5.88	1.12	2.00	2.06	1.32	1.62	1.62	2.88	9.00	1.12	1.36	1.38	Note-3	0.12	0.50	1.41	4.00	4	1.00
1 1/4	6.25	1.12	2.50	2.50	1.66	1.62	1.62	2.88	9.00	1.19	1.70	1.72	Note-3	0.19	0.56	1.75	4.38	4	1.00
1 1/2	7.00	1.25	2.88	2.75	1.90	1.75	1.75	3.25	9.00	1.25	1.95	1.97	Note-3	0.25	0.62	1.99	4.88	4	1.13
2	8.50	1.50	3.63	4.12	2.38	2.25	2.25	4.00	9.00	1.50	2.44	2.46	Note-3	0.31	0.69	2.50	6.50	8	1.00
2 1/2	9.62	1.62	4.13	4.88	2.88	2.50	2.50	4.12	9.00	1.88	2.94	2.97	Note-3	0.31	0.75	3.00	7.50	8	1.13
3	9.50	1.50	5.00	5.00	3.50	2.12	2.12	4.00	9.00	1.62	3.57	3.60	Note-3	0.38	-	3.63	7.50	8	1.00
4	11.50	1.75	6.19	6.25	4.50	2.75	2.75	4.50	Note-3	1.88	4.57	4.60	Note-3	0.44	-	4.63	9.25	8	1.25
5	13.75	2.00	7.31	7.50	5.56	3.12	3.12	5.00	12.00	2.12	5.66	5.69	Note-3	0.44	-	5.69	11.00	8	1.38
6	15.00	2.19	8.50	9.25	6.63	3.38	3.38	5.50	12.00	2.25	6.72	6.75	Note-3	0.50	-	6.75	12.50	12	1.25
8	18.50	2.50	10.62	11.75	8.63	4.00	4.50	6.38	12.00	2.50	8.72	8.75	Note-3	0.50	-	8.75	15.50	12	1.50
10	21.50	2.75	12.75	14.50	10.75	4.25	5.00	7.25	12.00	2.81	10.88	10.92	Note-3	0.50	-	10.88	18.50	16	1.50
12	24.00	3.12	15.00	16.50	12.75	4.62	5.62	7.88	12.00	3.00	12.88	12.92	Note-3	0.50	-	12.94	21.00	20	1.50
14	25.25	3.38	16.25	17.75	14.00	5.12	6.12	8.38	12.00	3.25	14.14	14.18	Note-3	0.50	-	14.19	22.00	20	1.63
16	27.75	3.50	18.50	20.00	16.00	5.25	6.50	8.50	12.00	3.38	16.16	16.19	Note-3	0.50	-	16.19	24.25	20	1.75
18	31.00	4.00	21.00	22.25	18.00	6.00	7.50	9.00	12.00	3.50	18.18	18.20	Note-3	0.50	-	18.19	27.00	20	2.00
20	33.75	4.25	23.00	24.50	20.00	6.25	8.25	9.75	12.00	3.62	20.20	20.25	Note-3	0.50	-	20.19	29.50	20	2.13
24	41.00	5.50	27.25	29.50	24.00	8.00	10.50	11.50	12.00	4.00	24.25	24.25	Note-3	0.50	-	24.19	35.50	20	2.63

- Notes:
 (1) This dimension is for the large end of the hub, which may be straight or tapered. Taper shall not exceed 7 deg on threaded, slip-on, socket-welding, and lapped flanges.
 (2) When these flanges are required with flat face, the flat face may be either the full t_f dimension thickness plus 0.25 in. or the t_f dimension thickness without the raised face height.
 (3) To be specified by the Customer; Y4 - the length can be 9" (B16.5) or 12" (industry), shall be specified by the customer.