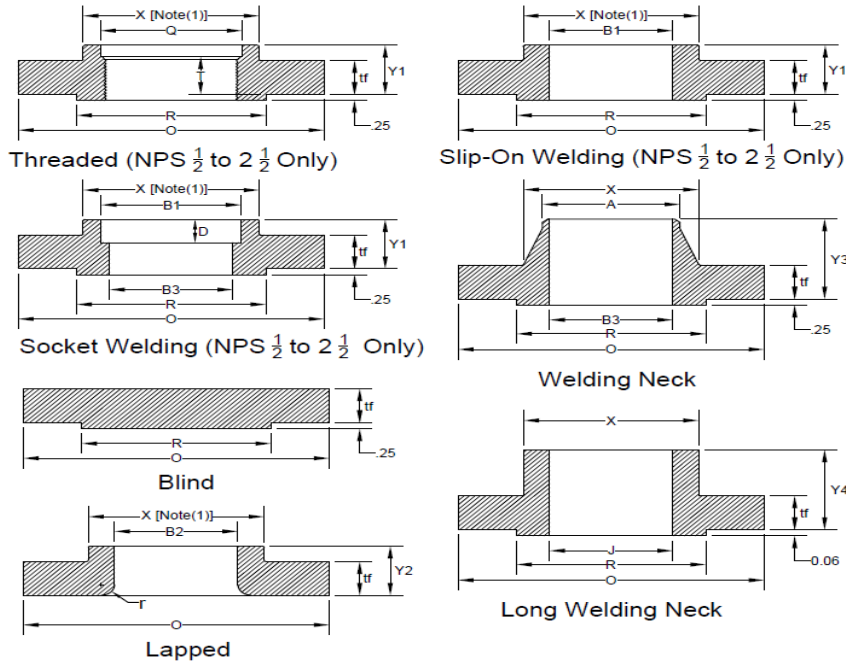




CLASS 1500 FLANGE

ASME B16.5-2017



Nominal Pipe Size/ Bore for LWN	Length Through Hub										Bore				Bolt				
	Outside Diameter	Min. Thickness	Diameter of Raised Face	Diameter of Hub	Diameter Beginning of Chamfer of Welding Neck	Threaded Slip-on Socket Welding	Lapped	Welding Neck	Long Welding Neck	Minimum Thread Length Threaded	Minimum Slip-On Socket Welding	Minimum Lapped	Welding Neck/Socket Welding	Corner Bore Radius of Lapped Flange and Pipe	Depth of Socket	Minimum Counter-bore Threaded Flange	Bolt Circle Dia	Number of Holes	Diameter of Holes
J	O	t _f	R	X	A	Y1	Y2	Y3	Y4	T	B1	B2	B3	r	D	Q			
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	3.62	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	4.12	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	10.50	1.88	5.00	5.25	3.50	-	2.88	4.62	9.00	-	-	3.60	Note-3	0.38	-	-	8.00	8	1.25
4	12.25	2.12	6.19	6.38	4.50	-	3.56	4.88	Note-3	-	-	4.60	Note-3	0.44	-	-	9.50	8	1.38
5	14.75	2.88	7.31	7.75	5.56	-	4.12	6.12	12.00	-	-	5.69	Note-3	0.44	-	-	11.50	8	1.63
6	15.50	3.25	8.50	9.00	6.63	-	4.69	6.75	12.00	-	-	6.75	Note-3	0.50	-	-	12.50	12	1.50
8	19.00	3.62	10.62	11.50	8.63	-	5.62	8.38	12.00	-	-	8.75	Note-3	0.50	-	-	15.50	12	1.75
10	23.00	4.25	12.75	14.50	10.75	-	7.00	10.00	12.00	-	-	10.92	Note-3	0.50	-	-	19.00	12	2.00
12	26.50	4.88	15.00	17.75	12.75	-	8.62	11.12	12.00	-	-	12.92	Note-3	0.50	-	-	22.50	16	2.13
14	29.50	5.25	16.25	19.50	14.00	-	9.50	11.75	12.00	-	-	14.18	Note-3	0.50	-	-	25.00	16	2.38
16	32.50	5.75	18.50	21.75	16.00	-	10.25	12.25	12.00	-	-	16.19	Note-3	0.50	-	-	27.75	16	2.63
18	36.00	6.38	21.00	23.50	18.00	-	10.88	12.88	12.00	-	-	18.20	Note-3	0.50	-	-	30.50	16	2.88
20	38.75	7.00	23.00	25.25	20.00	-	11.50	14.00	12.00	-	-	20.25	Note-3	0.50	-	-	32.75	16	3.13
24	46.00	8.00	27.25	30.00	24.00	-	13.00	16.00	12.00	-	-	24.25	Note-3	0.50	-	-	39.00	16	3.63

- 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.