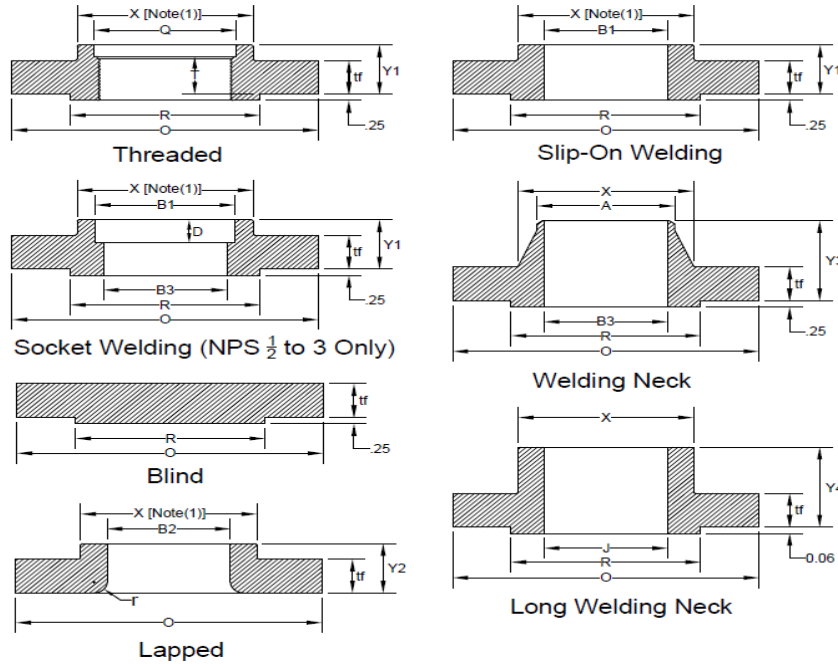




CLASS 600 FLANGE
ASME B16.5-2017



Nominal Pipe Size/ Bore for LWN	Length Through Hub										Bore					Bolt			
	Outside Diameter O	Min. Thickness t _f	Diameter of Raised Face R	Diameter of Hub X	Diameter Beginning of Chamfer of Neck A	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	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
1/2	3.75	0.56	1.38	1.50	0.84	0.88	0.88	2.06	9.00	0.62	0.88	0.90	Note-3	0.12	0.38	0.93	2.62	4	0.63
3/4	4.62	0.62	1.69	1.88	1.05	1.00	1.00	2.25	9.00	0.62	1.09	1.11	Note-3	0.12	0.44	1.14	3.25	4	0.75
1	4.88	0.69	2.00	2.12	1.32	1.06	1.06	2.44	9.00	0.69	1.36	1.38	Note-3	0.12	0.50	1.41	3.50	4	0.75
1 1/4	5.25	0.81	2.50	2.50	1.66	1.12	1.12	2.62	9.00	0.81	1.70	1.72	Note-3	0.19	0.56	1.75	3.88	4	0.75
1 1/2	6.12	0.88	2.88	2.75	1.90	1.25	1.25	2.75	9.00	0.88	1.95	1.97	Note-3	0.25	0.62	1.99	4.50	4	0.88
2	6.50	1.00	3.62	3.31	2.38	1.44	1.44	2.88	9.00	1.12	2.44	2.46	Note-3	0.31	0.69	2.50	5.00	8	0.75
2 1/2	7.50	1.12	4.12	3.94	2.88	1.62	1.62	3.12	9.00	1.25	2.94	2.97	Note-3	0.31	0.75	3.00	5.88	8	0.88
3	8.25	1.25	5.00	4.62	3.50	1.81	1.81	3.25	9.00	1.38	3.57	3.60	Note-3	0.38	0.81	3.63	6.62	8	0.88
3 1/2	9.00	1.38	5.50	5.25	4.00	1.94	1.94	3.38	9.00	1.56	4.07	4.10	Note-3	0.38	-	4.13	7.25	8	1.00
4	10.75	1.50	6.19	6.00	4.50	2.12	2.12	4.00	Note-3	1.62	4.57	4.60	Note-3	0.44	-	4.63	8.50	8	1.00
5	13.00	1.75	7.31	7.44	5.56	2.38	2.38	4.50	12.00	1.88	5.66	5.69	Note-3	0.44	-	5.69	10.50	8	1.12
6	14.00	1.88	8.50	8.75	6.63	2.62	2.62	4.62	12.00	2.00	6.72	6.75	Note-3	0.50	-	6.75	11.50	12	1.12
8	16.50	2.19	10.62	10.75	8.63	3.00	3.00	5.25	12.00	2.25	8.72	8.75	Note-3	0.50	-	8.75	13.75	12	1.25
10	20.00	2.50	12.75	13.50	10.75	3.38	4.38	6.00	12.00	2.56	10.88	10.92	Note-3	0.50	-	10.88	17.00	16	1.38
12	22.00	2.62	15.00	15.75	12.75	3.62	4.62	6.12	12.00	2.75	12.88	12.92	Note-3	0.50	-	12.94	19.25	20	1.38
14	23.75	2.75	16.25	17.00	14.00	3.69	5.00	6.50	12.00	2.88	14.14	14.18	Note-3	0.50	-	14.19	20.75	20	1.50
16	27.00	3.00	18.50	19.50	16.00	4.19	5.50	7.00	12.00	3.06	16.16	16.19	Note-3	0.50	-	16.19	23.75	20	1.62
18	29.25	3.25	21.00	21.50	18.00	4.62	6.00	7.25	12.00	3.12	18.18	18.20	Note-3	0.50	-	18.19	25.75	20	1.75
20	32.00	3.50	23.00	24.00	20.00	5.00	6.50	7.50	12.00	3.25	20.20	20.25	Note-3	0.50	-	20.19	28.50	24	1.75
22	34.25	3.75	25.25	26.25	22.00	5.25	6.88	7.75	12.00	-	22.22	22.25	Note-3	0.50	-	-	30.63	24	1.88
24	37.00	4.00	27.25	28.25	24.00	5.50	7.25	8.00	12.00	3.62	24.25	24.25	Note-3	0.50	-	24.19	33.00	24	2.00

- 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 0.06 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.