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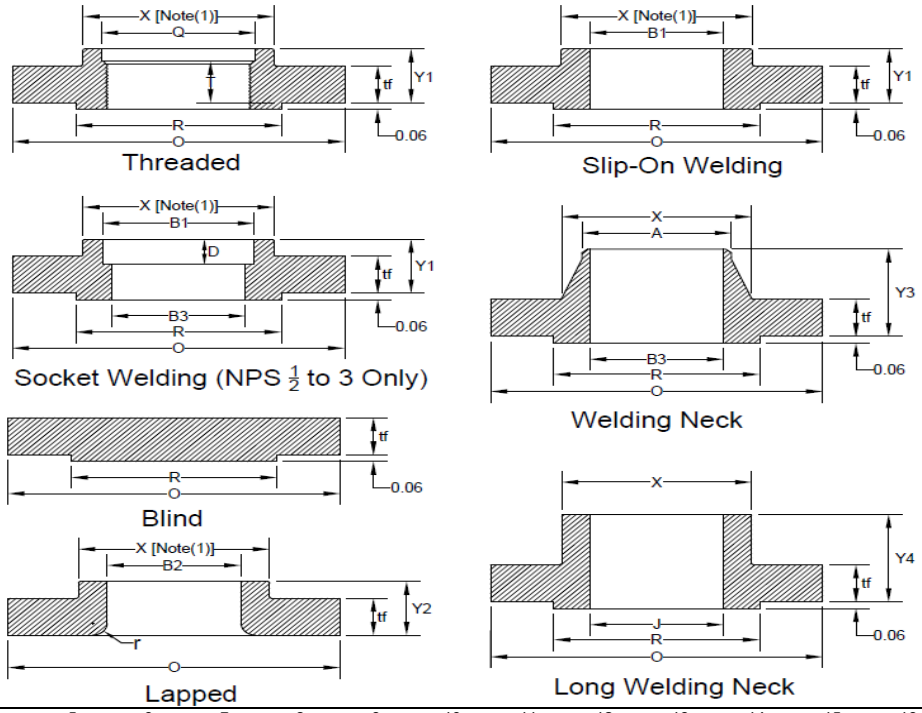
CLASS 150 FLANGE

ASME B16.5-2017



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
							Length Through Hub					Bore					Bolt		
Nominal Pipe Size/ Bore for LWN	Outside Diameter	Min. Thickness	Diameter of Raised Face	Min. Thickness Lap Joint	Diameter of Hub	Diameter Beginning of Chamfer 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	Bolt Circle Dia	Number of Holes	Diameter of Holes
J	*O*	t_f	*R*	t_f	*X*	*A*	*Y1*	*Y2*	*Y3*	*Y4*	*T*	*B1*	*B2*	*B3*	*r*	*D*			
½	3.50	0.38	1.38	0.44	1.19	0.84	0.56	0.62	1.81	9.00	0.62	0.88	0.90	Note-3	0.12	0.38	2.38	4	0.63
¾	3.88	0.44	1.69	0.50	1.50	1.05	0.56	0.62	2.00	9.00	0.62	1.09	1.11	Note-3	0.12	0.44	2.75	4	0.63
1	4.25	0.50	2.00	0.56	1.94	1.32	0.62	0.69	2.12	9.00	0.69	1.36	1.38	Note-3	0.12	0.50	3.12	4	0.63
1¼	4.62	0.56	2.50	0.62	2.31	1.66	0.75	0.81	2.19	9.00	0.81	1.70	1.72	Note-3	0.19	0.56	3.50	4	0.63
1½	5.00	0.62	2.88	0.69	2.56	1.90	0.81	0.88	2.38	9.00	0.88	1.95	1.97	Note-3	0.25	0.62	3.88	4	0.63
2	6.00	0.69	3.62	0.75	3.06	2.38	0.94	1.00	2.44	9.00	1.00	2.44	2.46	Note-3	0.31	0.69	4.75	4	0.75
2½	7.00	0.81	4.12	0.88	3.56	2.88	1.06	1.12	2.69	9.00	1.12	2.94	2.97	Note-3	0.31	0.75	5.50	4	0.75
3	7.50	0.88	5.00	0.94	4.25	3.50	1.12	1.19	2.69	9.00	1.19	3.57	3.60	Note-3	0.38	0.81	6.00	4	0.75
3½	8.50	0.88	5.50	0.94	4.81	4.00	1.19	1.25	2.75	9.00	1.25	4.07	4.10	Note-3	0.38	-	7.00	8	0.75
4	9.00	0.88	6.19	0.94	5.31	4.50	1.25	1.31	2.94	Note-3	1.31	4.57	4.60	Note-3	0.44	-	7.50	8	0.75
5	10.00	0.88	7.31	0.94	6.44	5.56	1.38	1.44	3.44	12.00	1.44	5.66	5.69	Note-3	0.44	-	8.50	8	0.88
6	11.00	0.94	8.50	1.00	7.56	6.63	1.50	1.56	3.44	12.00	1.56	6.72	6.75	Note-3	0.50	-	9.50	8	0.88
8	13.50	1.06	10.62	1.12	9.69	8.63	1.69	1.75	3.94	12.00	1.75	8.72	8.75	Note-3	0.50	-	11.75	8	0.88
10	16.00	1.12	12.75	1.19	12.00	10.75	1.88	1.94	3.94	12.00	1.94	10.88	10.92	Note-3	0.50	-	14.25	12	1.00
12	19.00	1.19	15.00	1.25	14.38	12.75	2.12	2.19	4.44	12.00	2.19	12.88	12.92	Note-3	0.50	-	17.00	12	1.00
14	21.00	1.31	16.25	1.38	15.75	14.00	2.19	3.12	4.94	12.00	2.25	14.14	14.18	Note-3	0.50	-	18.75	12	1.13
16	23.50	1.38	18.50	1.44	18.00	16.00	2.44	3.44	4.94	12.00	2.50	16.16	16.19	Note-3	0.50	-	21.25	16	1.13
18	25.00	1.50	21.00	1.56	19.88	18.00	2.62	3.81	5.44	12.00	2.69	18.18	18.20	Note-3	0.50	-	22.75	16	1.25
20	27.50	1.62	23.00	1.69	22.00	20.00	2.81	4.06	5.62	12.00	2.88	20.20	20.25	Note-3	0.50	-	25.00	20	1.25
22	29.50	1.75	25.25	1.81	24.00	22.00	3.06	4.25	5.82	12.00	-	22.22	22.25	Note-3	0.50	-	27.25	20	1.38
24	32.00	1.81	27.25	1.88	26.12	24.00	3.19	4.38	5.94	12.00	3.25	24.25	24.25	Note-3	0.50	-	29.50	20	1.38

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.