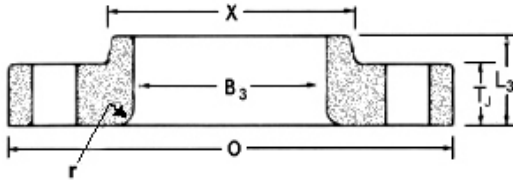


ANSI B16.5 Class 2500 Lap Joint forged flange



The lap joint flange is practically identical to a slip-on flange except it has a radius at the intersection of the bore and flange race. This radius is necessary to have the flange accommodate a lap joint stub end. Normally, a lap joint flange and a lap joint stub end are mated together in an assembly system.

Lap Joint forged flange

Nom. Pipe Size	O	T	R	X	#/Dia of Holes ^a	Bolt Circle Dia	B ₂ ^b	B ₃	H	L	L ₂	L ₃	r	C	Th _r	
½	5.25	1.19	1.38	1.69	4-0.88	3.5	To be specified by Purchaser.	0.9	0.84	1.56	2.88	1.56	0.12	0.93	1.1	
¾	5.5	1.25	1.69	2	4-0.88	3.75		1.11	1.05	1.69	3.12	1.69	1.69	0.12	1.14	1.3
1	6.25	1.38	2	2.25	4-1.00	4.25		1.38	1.32	1.88	3.5	1.88	1.88	0.12	1.41	1.4
1¼	7.25	1.5	2.5	2.88	4-1.12	5.13		1.72	1.66	2.06	3.75	2.06	2.06	0.19	1.75	1.5
1½	8	1.75	2.88	3.12	4-1.25	5.75		1.97	1.9	2.38	4.38	2.38	2.38	0.25	1.99	1.8
2	9.25	2	3.63	3.75	8-1.12	6.75		2.46	2.38	2.75	5	2.75	2.75	0.31	2.5	2
2½	10.5	2.25	4.13	4.5	8-1.25	7.75		2.97	2.88	3.12	5.62	3.12	3.12	0.31	3	2.3
3	12	2.62	5	5.25	8-1.38	9		3.6	3.5	....	6.62	3.62	3.62	0.38	....	....
4	14	3	6.19	6.5	8-1.63	10.75		4.6	4.5	....	7.5	4.25	4.25	0.44	....	....
5	16.5	3.62	7.31	8	8-1.88	12.75		5.69	5.56	....	9	5.12	5.12	0.44	....	....
6	19	4.25	8.5	9.25	8-2.12	14.5		6.75	6.63	....	10.75	6	6	0.5	....	....
8	21.75	5	10.63	12	12-2.12	17.25		8.75	8.63	....	12.5	7	7	0.5	....	....
10	26.5	6.5	12.75	14.75	12-2.63	21.25		10.92	10.75	....	16.5	9	9	0.5	....	....
12	30	7.25	15	17.38	12-2.88	24.38		12.92	12.75	....	18.25	10	10	0.5	....	....

Dimensions are in inches.

- (a)- Bolt hole diameter 1/8 in. larger than bolt diameter.
- (b)- Standard bore dimensions provided. See bore chart for other wall thicknesses.
- (c)- This dimension is commonly associated with "true" lap joints. Industry standard is to make to the slip on length through the hub.

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