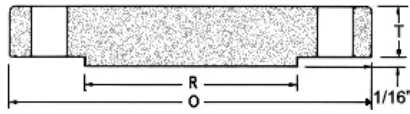


ANSI B16.5 Class 2500 blind forged flange



Blind forged flange

The blind flange is used to close ends of piping systems. It is a kind of round plate with no center hold but with all the proper bolt holes. This blind flange is available in various sizes and materials and is used to provide positive closure on the ends of pipes, valves or equipment nozzles. This flange helps in easy access to a line once it has been sealed. The blind flange is sometimes custom made or machined to accept a nominal sized pipe to which reduction is being made. This reduction can be a threaded reduction or welded reduction.

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	Thr
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	1.12
¾	5.5	1.25	1.69	2	4-0.88	3.75		1.11	1.05	1.69	3.12	1.69	0.12	1.14	1.25
1	6.25	1.38	2	2.25	4-1.00	4.25		1.38	1.32	1.88	3.5	1.88	0.12	1.41	1.38
1¼	7.25	1.5	2.5	2.88	4-1.12	5.13		1.72	1.66	2.06	3.75	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	0.25	1.99	1.75
2	9.25	2	3.63	3.75	8-1.12	6.75		2.46	2.38	2.75	5	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	0.31	3	2.25
3	12	2.62	5	5.25	8-1.38	9		3.6	3.5	....	6.62	3.62	0.38	....	....
4	14	3	6.19	6.5	8-1.63	10.75		4.6	4.5	....	7.5	4.25	0.44	....	....
5	16.5	3.62	7.31	8	8-1.88	12.75		5.69	5.56	....	9	5.12	0.44	....	....
6	19	4.25	8.5	9.25	8-2.12	14.5		6.75	6.63	....	10.75	6	0.5	....	....
8	21.75	5	10.63	12	12-2.12	17.25		8.75	8.63	....	12.5	7	0.5	....	....
10	26.5	6.5	12.75	14.75	12-2.63	21.25		10.92	10.75	....	16.5	9	0.5	....	....
12	30	7.25	15	17.38	12-2.88	24.38		12.92	12.75	....	18.25	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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