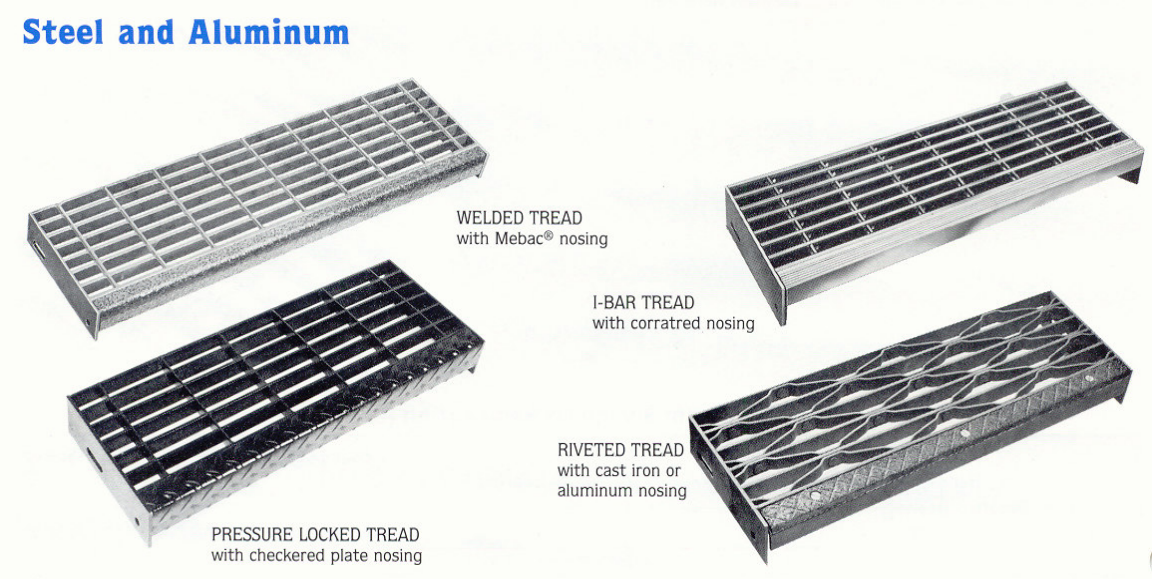
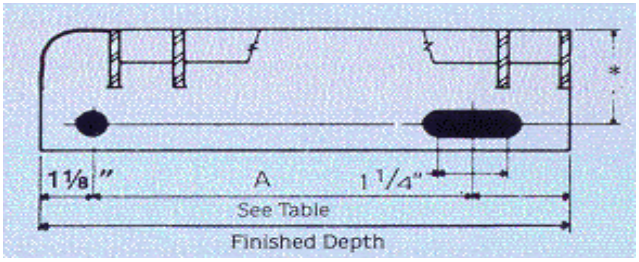
STAIR TREADS DEPTHS





IKG Stair Tread Chart

If you are designing open grid floors, you probably want the stairs to match. IKG fabricates stair treads in every grating style and material. Treads are available with a selection of nosing, and all are available with standard and custom coatings. IKG can also apply Mebac® slip-resistant surfaces to your stair treads.

Stair Tread Chart
Table of Standard Tread Depths

3/16" Rectangular B.B. Centers		1/4" I-Bar B.B. Centers		Riveted 3/16" Bearing Bar		Dimension A Hole Centers
1-3/16" (WB)	15/16" (WD)	1-3/16" (WB)	15/16" (WD)	Type K	Type J	
6 3/16	6 1/8	6 1/4	6 3/16	6 11/16	6 1/8	2 1/2
7 3/8	7 1/16	7 7/16	7 1/8	8	7 1/16	4 1/2
8 9/16	8	8 5/8	8 1/16	9 5/16	8	4 1/2
9 3/4	8 15/16	9 13/16	9	10 5/8	8 15/16	7
10 15/16	9 7/8	11	9 15/16	11 15/16	9 7/8	7
12 1/8	10 13/16	12 3/16	10 7/8	13 1/4	10 13/16	7
13 5/16	11 3/4	13 3/8	11 13/16	14 9/16	11 3/4	7
14 1/2	12 11/16	14 9/16	12 3/4	15 7/8	12 11/16	7

Note: Tread depth should always be greater than the tread run by 1/2" minimum Mounting holes in tread carrier plates are 7/16" diameter located 1 1/8" from the leading edge with "Dimension A" center to center of an 7/16" X 1 1/4" long slotted trailing hole.

Top of tread to center of mounting hole dimensions are as follows:

Steel treads up to and including 1 1/4" deep treads - 1 3/4"
All others 2 1/4"
Aluminum treads all depths 2 1/4"

Note: 3/8" diameter bolt for mounting treads to stringers are not supplied.

Recommended Bearing Bar Sizes

Steel Treads				
Bar Size	Maximum Tread Length*			
	@1-3/16" on center		@15/16" on center	
	Plain	Serrated	Plain	Serrated
3/4 x 3/16	2'-4"	----	2'-8"	----
1 x 3/16	3'-5"	2'-10"	4'-0"	3'-4"
1-1/4 x 3/16	4'-8"	4'-2"	5'-1"	4'-6"
1-1/2 x 3/16	5'-6"	5'-3"	5'-6"	5'-6"

*Maximum tread length based on 300lb concentrated load on front 5" inches of tread at center of tread length, and a deflection limitation of 1/240 of length. For maximum length under other loadings, consult IKG Engineering Department.

Note: When tread length exceed 5'6" design tread for 300 pounds concentrated loads at 1/3 points.

Aluminum Treads							
Rectangular Bar Size	Maximum Tread Length*				I-Bar Size	Maximum Tread Length*	
	@1-3/16" on center		@15/16" on center			@1-3/16" oc	@15/16" oc
	Plain	Serrated	Plain	Serrated			
1 x 3/16	2'-4"	----	2'-6"	----	1" I-Bar	2'-4"	2'-6"
1-1/4 x 3/16	2'-10"	2'-7"	3'-1"	2'-9"	1-1/4" I-Bar	2'-10"	3'-1"
1-1/2 x 3/16	3'-6"	3'-2"	3'-10"	3'-6"	1-1/2" I-Bar	3'-6"	3'-10"
1-3/4 X 3/16	4'-3"	3'-10"	4'-8"	4'-3"	1-3/4" I-Bar	4'-3"	4'-8"

Recommended Tread Lengths	
Max. Length of Tread 2'-0"	Plank Depth 1"
3'-0"	1-1/4"
4'-0"	1-1/2"
5'-0"	1-3/4"

Table of Standard Tread Widths	
Tread Width	(Dimension A Hole Centers)
6-5/16"	2-1/2"
7-1/4"	4-1/2"
8-11/16"	4-1/2"
9-7/8"	7"
11-1/16"	7"
12-5/16"	7"

Note: Tread depth should always be greater than the tread run by ½” minimum

Mounting holes in tread carrier plates are 7/16” diameter located 1-1/8” from the leading edge, with “Dimension A” center to center of an 7/16” x 1-1/4” long slotted trailing hole.

Top of tread to center of mounting hole dimension is 2-1/4”