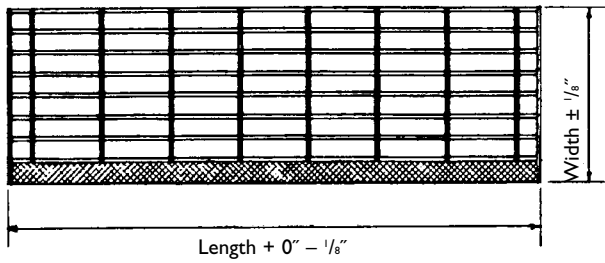
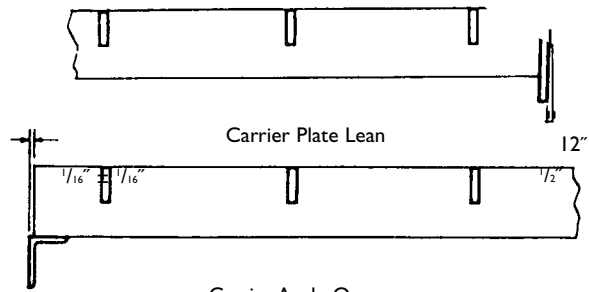


STAIR TREAD TOLERANCES

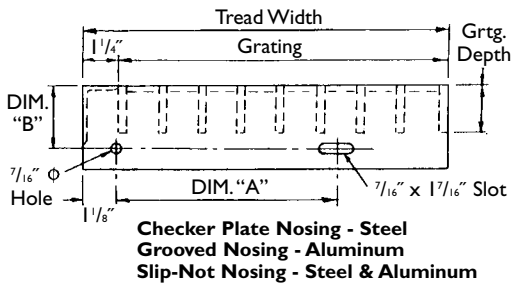


Overall Dimensions

Note: Length of tread is distance between outer faces of carrier plates or back to back of carrier angles.



Carrier Angle Overrun

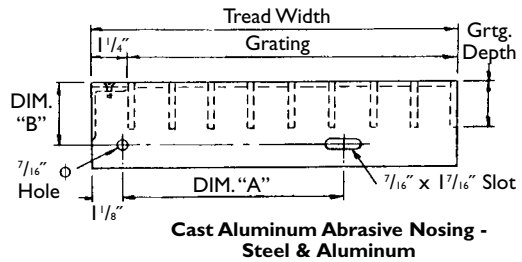


Checker Plate Nosing - Steel
Grooved Nosing - Aluminum
Slip-Not Nosing - Steel & Aluminum

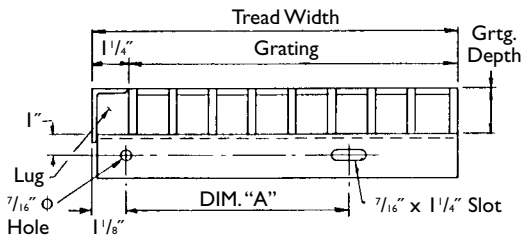
Stair Tread Details

Tread with Carrier Plate

Carrier Plate
Steel - 2 1/2" x 3/16", or
3" x 3/16" depending
upon DIM. B
Aluminum - 3" x 3/16"



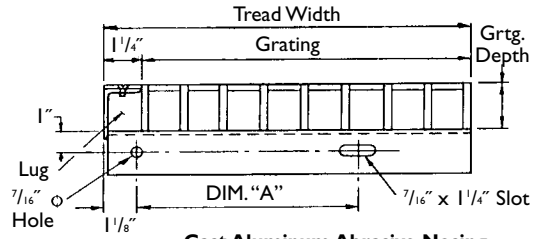
Cast Aluminum Abrasive Nosing -
Steel & Aluminum



Checker Plate Nosing - Steel
Grooved Nosing - Aluminum
Slip-Not Nosing - Steel & Aluminum

Tread with Carrier Angle

Carrier Angle
2" x 1 1/2" x 1/4" Angle
(used for 1 1/16", 7/16" BB ctrs.)



Cast Aluminum Abrasive Nosing -
Steel & Aluminum

Lite Bar Max Tread Length Chart

Bar Size Inches	19SGII	15SGII	11SGII	7SGII
	Max Length Inches	Max Length Inches	Max Length Inches	Max Length Inches
3/4"	18	20	22	27
1"	24	28	29	34
1-1/4"	31	34	36	43
1-1/2"	37	40	43	53
2"	52	57	62	66
2-1/2"	66	66	66	82

Standard Tread Widths and End Plate Dimensions

Note: Refer to drawings above for A and B dimensions.

Number of Bearing Bars	Width (Includes Nosing)*					End Plate Dimensions		
	SGF, SG, ADT, W, DT, SGCS, SGSS Series	SGI Series	R, AR Series	Plank Series	Dim. A	Dim. B		
						1" 1 1/4"	1 1/2" 1 3/4"	
5	6 3/16	6 1/4	6 11/16	6 3/8	2 1/2"	1 3/4"	2 1/4"	
6	7 3/8	7 7/16	8	7 1/4	4 1/2"	1 3/4"	2 1/4"	
7	8 9/16	8 5/8	9 5/16	8 3/4	4 1/2"	1 3/4"	2 1/4"	
8	9 3/4	9 13/16	10 5/8	9 15/16	7"	1 3/4"	2 1/4"	
9	10 15/16	11	11 15/16	11 1/8	7"	1 3/4"	2 1/4"	
10	12 1/8	12 3/16	13 1/4	12 3/8	7"	1 3/4"	2 1/4"	

Note: DIM. B = 2 1/4" for ALL aluminum treads.

*Table of widths based on 3/16" thick bearing bars (1/4" I-Bar) and standard 1 3/16" c.c. bar spacing (1 1/8" face-to-face for riveted grating).

Suggested Bearing Bar Sizes and Maximum Tread Lengths*

ALUMINUM TREADS					STEEL TREADS				
SGF, SG, ADT Series			AR Series	SGI and Plank Series		W, DT, SGCS, SGSS Series			R Series
Bar Size, Inches	Max. Tread Length		Max. Tread Length	Bar Size, Inches	Max. Tread Length	Bar Size, Inches	Max. Tread Length		Max. Tread Length
	Plain	Serrated					Plain	Serrated	
1 x 3/16	2'-4"	2'-2"	2'-5"	1	2'-6"	3/4 x 3/16	2'-4"	1'-11"	2'-7"
1 1/4 x 3/16	2'-10"	2'-7"	3'-0"	1 1/4	3'-0"	1 x 3/16	3'-5"	2'-10"	3'-10"
1 1/2 x 3/16	3'-6"	3'-2"	3'-8"	1 1/2	3'-8"	1 1/4 x 3/16	4'-8"	4'-2"	4'-11"
1 3/4 x 3/16	4'-3"	3'-10"	4'-6"	1 3/4	4'-5"	1 1/2 x 3/16	5'-6"	5'-3"	5'-6"

*Maximum tread length based on 300 lb. concentrated load on front 5" of tread at center of tread length and max. D = 1/240 of length. Lengths based on 3/16" thick bearing bars (1/4" I-Bar) and standard 1 3/16" c.c. bar spacing (1 1/8" face-to-face for riveted grating).

Note: Since a serrated connecting bar does not reduce the strength of the AR and R Series, plain and serrated lengths are the same.