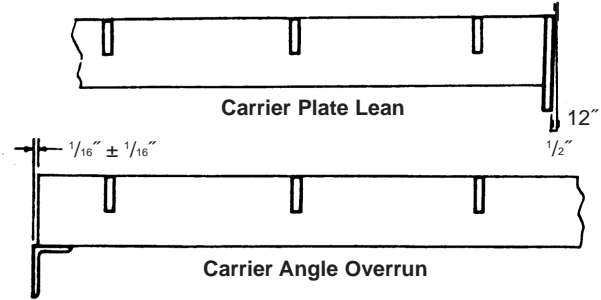
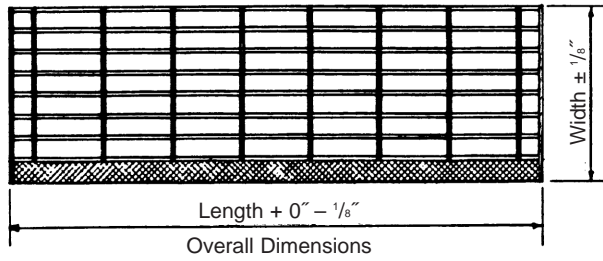
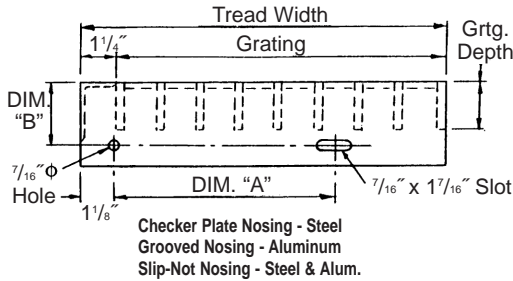


STAIR TREAD TOLERANCES



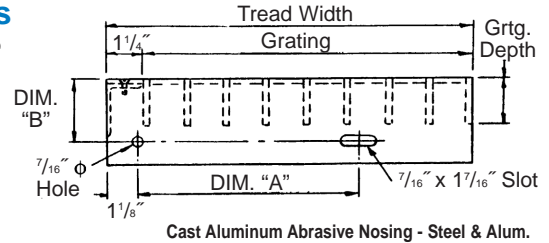
Note: Length of tread is distance between outer faces of carrier plates or back to back of carrier angles.

Stair Tread Details



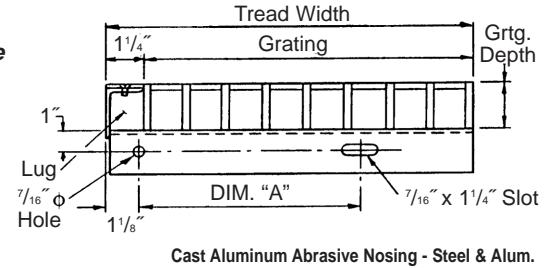
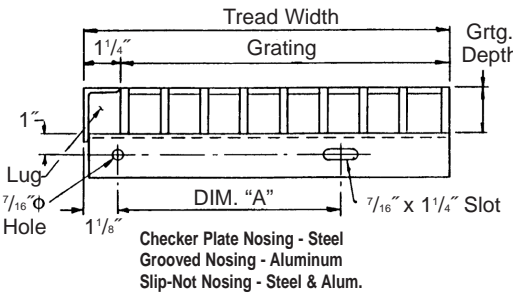
Tread with Carrier Plate

Carrier Plate
Steel – 2½" x ¾", or
3" x ¾" depending
upon DIM. B
Aluminum – 3" x ¾"



Tread with Carrier Angle

Carrier Angle
2" x 1½" x ¼" Angle
(used for 11/16", 7/16" BB ctrs.)



Standard Tread Widths & 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"	1½"	
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 = 21¼" 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 (1/8" face-to-face for riveted grating).

Suggested Bearing Bar Sizes & 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 in. 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 (1/8" 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.



OHIO GRATINGS, INC.

5299 Southway SW • Canton, OH 44704 • Toll Free: 800-321-9800 • Fax: 330-477-7872 • www.ohiogratings.com

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