

The information provided below is your guide for choosing the right **McNICHOLS®** BAR GRATING STAIR TREADS for your project. Please specify:

APPLICATION	PRODUCT SURFACE
Consider Bar Grating Stair Tread features including loading requirements, surface needs, environmental considerations, etc. We invite you to browse Bar Grating Stair Tread applications in our Product and Application Gallery.	Determine if your application requires a smooth, serrated or a grooved product surface.
CONSTRUCTION TYPE	NOSING
Choose from several Bar Grating Stair Tread construction types including Welded, Heavy-Duty Welded, Swage-Locked and Press-Locked.	Stair Treads are almost always supplied with angled Nosing along the leading edge. This Nosing is welded to the first Bar Grating bearing bar and to each End Plate (see End Plates below). Nosing helps with Stair Tread sight lines as well as enhancing slip-resistance. Select from our inventory of Nosing types, including Checkered Plate Angle Nosing, the most common choice among customers. Stair Tread inventory items ready for immediate shipment have standard Nosing attached.
SERIES TYPE & NAME	CARRIER PLATES
Determine the series type and name (GW-100, GHB-150, GAL-125, etc.) of the Bar Grating Stair Treads for your project.	Carrier Plates (sometimes referred to as End Plates) are rectangular pieces of metal that are welded to the ends of the Bar Grating bearing bars and Nosing. Each Carrier Plate has a slot and bolt hole for structural attachment purposes. Stair Treads can also be welded to structurals/stringers if desired. Choose the Carrier Plate gauge/thickness and size (height x width) for your Stair Tread application. Stair Tread inventory items ready for immediate shipment have standard Carrier Plates attached.
PRODUCT SPACING	PERCENT OPEN AREA
Select the product spacing (the measurement from the center of one bearing bar to the center of an adjacent bearing bar) for your application. Product Spacing [e.g. 19-W-4] refers to the industry specification for Bar Grating products. For example, the first number refers to the bearing bar spacing measured on center (19 = 19/16" or 1-3/16"), the letter refers to the construction type (W = welded), and the last number references the cross bar spacing measured on center (4 = 4").	Choose the percentage of open area desired in the Bar Grating Stair Treads.
PRIMARY MATERIAL/PRODUCT FINISH	PRODUCT SIZE & QUANTITY
Select the primary material type including Aluminum, Carbon Steel, Carbon Steel - Powder Coated Black, Galvanized Steel, or Stainless Steel. Inventory is typically "mill finish" for Aluminum, Carbon Steel and Stainless Steel. Hot-Dipped Galvanized, Powder Coated Black or Powder Coated Gray finishes available for some items. We provide more information on Primary Material Types and Product Finishes in the links provided in the Overview section on the Stair Tread Resources landing page.	Identify the number of Stair Treads and the size(s) desired (width and length). The width of the Stair Tread is the distance between the outside front edge of the angled Nosing to outside edge of the last bearing bar (front to back measurement). This measurement is sometimes referred to as depth. The length (span) of the Stair Tread is measured from the outside edges of the Carrier Plates attached to the open ends of the bearing bars and Nosing.
BEARING BAR SIZE & SHAPE	SPECIAL REQUIREMENTS
Choose the bearing bar height and thickness (e.g. 1-1/4" Height x 3/16" Thick) and the bearing bar shape (Rectangular Bar, I-Bar, T-Bar).	Specify any requirements like additional welding needs, surface treatment (e.g. grinding, etc.), non-standard tolerances, etc.

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