

The information provided below is your guide for choosing the right **McNICHOLS®** Bar Grating Stair Treads for your project. Please specify:

APPLICATION

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.

CONSTRUCTION TYPE

Choose from several Bar Grating Stair Tread construction types including Standard-Duty Welded, Heavy-Duty Welded, Swage-Locked, and Press-Locked.

SERIES TYPE & NAME

Determine the series type and name (GW-100, GHB-150, GAL-125, etc.) of the Bar Grating Stair Treads for your project.

PRODUCT SPACING

Select the product spacing (the measurement from the center of one bearing bar to the center of an adjacent bearing bar) of the Bar Grating Stair Treads needed 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").

PRIMARY MATERIAL / PRODUCT FINISH

Select the primary material type including Aluminum, Carbon Steel, Galvanized Steel, and Stainless Steel. Inventory is typically mill finish for Aluminum, Carbon Steel, and Stainless Steel. Hot Dipped Galvanized, Powder Coated Black, and Powder Coated Gray finishes are available for some Carbon Steel items. We provide more information on Primary Material Types and Product Finishes in the links provided in the Overview section on the Stair Treads Resources landing page.

ALLOY, GRADE, OR TYPE

Choose a secondary material characteristic that applies to your application. A specific material alloy, grade, or type can be an important consideration in your product selection. Factors like temperature, corrosion-resistance, and environmental surroundings can be important variables to consider prior to placing your order.

BEARING BAR SIZE & SHAPE

Choose the bearing bar height and thickness (e.g. 1-1/4" Height x 3/16" Thick) of your Stair Treads. Select from our inventory of Rectangular Bar, I-Bar, and T-Bar bearing bar shapes.

PRODUCT SURFACE

Determine if your application requires a smooth, serrated, or grooved product surface.

PERCENT OPEN AREA

Choose the percentage of open area desired in your Bar Grating Stair Tread selection.

NOSING

Bar Grating Stair Treads are typically supplied with 90° Angle Nosing along the leading edge. Nosing is welded to the first bearing bar and to each Carrier Plate (see Carrier Plates below) across the length (span) dimension. Nosing helps with Stair Tread sight lines and provides additional slip-resistance. Select from our inventory of Nosing types including Checkered Plate 90° Angle Nosing, the most common choice among customers. Stair Tread inventory items ready for immediate shipment have standard Nosing attached.

CARRIER PLATES

Carrier Plates (sometimes referred to as End Plates) are rectangular-shaped pieces of metal that are designed to be welded to open ends of Bar Grating bearing bars and optional Nosing perpendicular to the Stair Tread length (span). Each Carrier Plate has a mounting 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 (typically 3/16" thick) and size (height x width) for your Stair Tread application. Stair Tread inventory items ready for immediate shipment have standard Carrier Plates attached.

PRODUCT SIZE & QUANTITY

Identify the number of Stair Treads and the sizes desired (width and length). The width of the Stair Tread is the distance between the outside front edge of the Nosing to the 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.

SPECIAL REQUIREMENTS

Specify any requirements like additional welding needs, surface treatment (e.g. grinding), non-standard tolerances, etc.