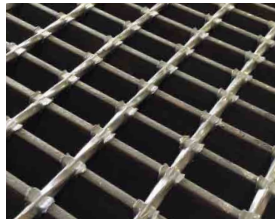


Bar Grating Overview

Methods of Assembly



Welded



Heavy-Duty Welded



Press-Locked



Swage-Locked



Stair Treads

Welded Steel Bar Grating

Standard Welded: used universally for walkway and mezzanine decking applications. It is ideal for most general industrial and commercial uses. Standard welded grating is generally considered to include grating with bearing bars spaced at 1-3/16" or 15/16" and is available in carbon or stainless steel.

Close-Mesh: similar to standard grating except that spacing of the bearing bars is closer, ranging from 7/16" to 13/16". It is suitable for applications requiring narrow spacing for aesthetic or functional reasons. It is available in carbon or stainless steel.

Railroad: Welded grating with spacings of 1-9/16" and 1-11/16" meet the requirements for AAR approved safety walkway products. It is designed specifically for use as railcar brake steps, running boards, walkways and platforms.

Heavy-Duty: thicker (1/4", 5/16", 3/8") and deeper bearing bars. We custom fabricate this on request. Heavy-Duty is used for airfields, highways, industrial floors, ramps, docks, reinforced concrete areas and specialty applications.

Press-Locked Steel Bar Grating

A system of interlocking, perpendicular bars, that provides a smooth clean look ideal for architectural applications such as grilles, dividers and screens. It is used in the same structural applications as its welded steel and rectangular aluminum counterparts. Materials include carbon steel, stainless steel or aluminum. Spacings range from 7/16" to 1-3/16".

Swage-Locked Aluminum Grating

This grating is manufactured with either an "I" or rectangular bearing bar. These bars are permanently locked to the cross rods with a swaging process which reshapes the rods. Because of the flange width, I-bars reduce the open space of the grating yet-bar swage-locked is lighter in weight and less costly than a rectangular bar grating with the same bar thickness.

Stair Treads

Stair treads are available in many a variety of styles, but welded bar grating has long been one of the most popular grating types due to its remarkable combination of superior strength, cost efficiency and ease of installation.

Material Selection

Carbon Steel: provides an economical, high strength grating for use in most industrial and commercial applications.

Aluminum: lightweight, corrosion resistant and non-sparking alloys make aluminum ideal for use in chemical, petroleum, hydro and sewage, water and waste treatment facilities; munitions plants and other volatile areas; aboard ship; etc.

Stainless Steel: ideal for use in caustic atmospheres where corrosion resistance and minimum carbide precipitation are important considerations. It is especially applicable for chemical, food and hydro processing areas.

Options

Series Types & Name: 19-W-4, 13-W-2, etc.

Bearing Bar Shape: Rectangular Bar, I-Bar, T-Bar

Bearing Bar Height: 3/4", 1", 1-1/2", 2", etc.

Bearing Bar Thickness: 1/8", 3/16", 1/4", etc.

Open Area: Panel percentage of open area

Surface Options: smooth, serrated, or grooved

Fabrication Capabilities

We customize bar grating projects of any size and scope. From a simple weld to complete catalyst screen we are here to help.

