

AMERICAN IRON (AIA) IS THE LARGEST FULL-LINE MASTER DISTRIBUTOR OF VERSA-BAR CONTINUOUS CAST IRON IN THE USA

AIA also stocks and distribute common grades of bronze bars, tubing, custom-stocked steel, and other alloys.





Versa-Bar continuous cast gray and ductile iron is a metallurgically superior, compared to conventional sand cast iron. It's an excellent alternative to steel.



LOWER COSTS

Versa-Bar needs less machining and creates less scrap. That means lower costs for you!

QUALITY

The unique continuous cast process yields more consistent microstructure. Versa-Bar is free from defects like porosity, inconsistent hardness, and inclusions that jeopardize the part's integrity.

PERFORMANCE

Versa-Bar is favored for its machining and operational integrity.

SERVICE

AIA takes pride in providing the best service possible. From rapid quote response to competitive pricing and on-time delivery, you'll be fully satisfied. Together, we'll build a metal supply program to your needs.

PROCESSING SERVICES

- Cut-to-Length
- Boring
- Milling
- Plate Cutting
- Turning
- Machined Complete



American Iron, your one-stop shop for bar stock



SELECTION

V2 Gray Class 40 (ASTM A 48)/V9 GMI (Gray Glass Mold Iron)

Pearlitic/Ferritic structure with high mechanical properties, good surface finish, and hardenability (Well suited for pressure applications such as hydraulic components).

V3 Ductile Iron 65-45-12 (ASTM 536)

Ferritic/Pearlitic structure with excellent machinability, fine surface finish, and high strength similar to 1020/1030 steel.

V4 Ductile Iron 80-55-06 (ASTM 536)/V5 Ductile Iron 100-73-03 (ASTM536)

Ferritic/Pearlitic balanced structure with higher strength similar to 1040/1045 steel. Good machinability with good surface finish and excellent wear characteristics.

SHAPES AND SIZES

- **Rounds:** .625" to 25"
- **Tubes:** Stock and custom I.D.s with O.D.s up to 22"
- **Squares:** 1.250" to 18.50"
- **Rectangles:** Stock and custom cut available up to 16" x 22" x 72" and 10.50" x 25.00" x 82.00"
- **Shapes:** Custom cast to your design
- **Notes:** Standard lengths 72" (Longer lengths available up to 144" upon request)
- **Notes:** Ductile rounds start at 1.50" Diameter

Bronze selection

C86300 Manganese Bronze

Manganese Bronze is a high-strength, non-heat-treatable copper alloy intended for use in applications requiring a combination of outstanding wear characteristics and high bearing strength for heavy loads and slow speeds.

C93200 Bearing Bronze (SAE 660)

High-Leaded Tin Bronze has excellent machining properties, good hardness, strength, and wear resistance with excellent anti-friction qualities. C93200 is suitable for bearings and bushings having medium loads and speeds with adequate lubrication.

C95400 Aluminum Bronze

Aluminum bronze is the most popular, all-purpose aluminum bronze alloy. It provides high yield and tensile strength, good ductility, weldability, and exceptional resistance to wear, fatigue, and deformation under shock or overload.

C95500 Nickel Aluminum Bronze

Nickel makes this aluminum bronze one of the toughest non-ferrous alloys known. The alloy exhibits exceptional yield, compressive strength, high hardness, and higher elongation. Resistant to seawater corrosion, heat resistance, good machinability, and weldability.

*Custom stocking programs may be available!



About American Iron

AIA offers raw and machined continuous cast iron, bronze stock, and custom components. They have provided high-quality metals, including Versa-Bar continuous cast iron and bronze, since 1982.

We serve various industries, from fluid power to bearing manufacturing. We also supply customers with high-quality metal products at competitive prices with a service-focused approach.



Meet our family

