

## BUSHING PRODUCTS

Atlas Bronze stocks an expansive line of standard size bushings and bearings ranging from plain cast bronze bushings to self lubricated bushings.

Additionally, we specialize in custom made to order parts per your supplied drawing.

SAE 841 Sintered Bronze	Oil / Grease Grooves
Graphite Plugged	Plain Cast Bronze Bushings
Sleeve & Flange Bushings	Bushings in all alloys



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OFFERING **More**  
**Choices** TO BETTER  
SERVE OUR CUSTOMERS

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445 Bunting Avenue  
Trenton, New Jersey 08611

OFFERING **More**  
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SERVE OUR CUSTOMERS

Copper Alloys • Iron Alloys





# OFFERING **More Choices** TO BETTER SERVE OUR CUSTOMERS

## Sintered Products SAE 841 / SAE 863

Sintered Products parts have a proven record of unexcelled wear resistance and long life. They hold closer tolerances and can be made self-lubricating through oil impregnation. Because of smoother action and self-damping features, Sintered products assure a quiet operation.

Atlas carries a large selection of Sintered products which include Sintered Bronze or SAE 841 products and Sintered Iron or SAE 863 products in a number of shapes and sizes.

ASTM - B438, Grade 1, Type II  
Military - MIL-B-5687D, Type I, Comp. A  
MPIF - CT-1000-K26

## CORED BAR SOLID BAR PLATE BUSHINGS

Photo courtesy of Symmac, Inc.

## Plate As Cast, Saw Cut & in Ground

### Atlas Bronze's specialty product-Wear plate.

#### Copper Alloy Products

- CDA 464 (Naval Brass)
- CDA 863 (Manganese Bronze)
- CDA 932 (Bearing Bronze)
- CDA 954 (Aluminum Bronze)
- CDA 959 (Aluminum Bronze)

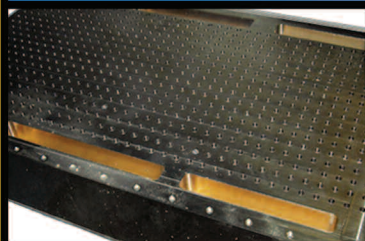
#### Dura-Bar® Iron Products

(\*all of our iron plate is stress relieved)

- G2 Gray Iron
- Ductile Iron 65-45-12
- Ductile Iron 80-55-06

- Surface grinding available up to 190"
- Blanchard grinding available up to 108"
- On Premises Cutting - thanks to 5 in house saws
- Oil Grooving & Graphite Lubrication

## COPPER ALLOYS



Atlas Bronze carries a wide range of Copper Alloys ranging from Phosphor Bronzes to Copper Nickels. We carry these copper alloys in Wrought and Continuous Cast, Centrifugal Cast, and Sand Cast. We warehouse rod, bar, plate and tube from major mill producers allowing us to supply our customers with a wide range of forged, extruded and continuous cast products immediately, from stock. While our vast supply allows competitive pricing for the end-user. Pieces can be custom-sized and, if necessary, machined to customers' specifications.

### Solid bar • Cored bar • Rectangles / Squares • Hex bar

#### Bearing Bronze

SAE 660 / C93200 per ASTM - B505  
and ASTM - B271  
available from stock:  
Rounds up to 13"  
Tubes up to 30"  
Rectangles/Squares:  
up to 10" thk x 12" wide  
(some thinner plates up to 20" wide)

Ground plate is available from stock with a thickness tolerance of +/- .002

Casting per ASTM - B584  
available upon request

#### Aluminum Bronze

C95400 per ASTM - B505 and  
ASTM - B271 available from stock:  
Rounds up to 15"  
Tubes up to 16"  
Rectangles/Squares  
up to 4" thk x 15" wide

Ground plate is available from stock with a thickness tolerance of +/- .002

Centrifugal Castings per  
ASTM - B271  
available in larger sizes

#### Manganese Bronze

SAE430B / C86300 per  
ASTM-B271 & ASTM B505  
available from stock:  
Rounds up to 8"  
Tubes up to 12"  
Rectangles/Squares:  
up to 10" thk x 12" wide

Casting per ASTM-B505  
Our Manganese Bronze  
Plate is certified to  
ASTM-B22 for  
Bridge Plates

#### WROUGHT COPPER ALLOYS & EXTRUDED BRASS

C46400 - Naval Brass "Lead Free"  
C51000 - Phosphor Bronze  
C54400 - Leaded Phosphor Bronze  
C63000 - Nickel Aluminum Bronze 10%  
C64200 - Silicon Aluminum Bronze  
C65100 - Low Silicon Bronze B  
C65500 - High Silicon Bronze A  
C67300 - Leaded Silicon Manganese Brass  
C674100 - Manganese Aluminum Brass  
C67500 - Manganese Bronze  
C67600 - Manganese Bronze  
C72900 - Copper Nickel Tin Spinodal

#### CAST BRONZE ALLOYS

C83600 - Leaded Red Brass, SAE 40  
C84400 - Leaded Semi-Red Brass  
C86200 - Manganese Bronze  
C86300 - High Tensile Manganese Bronze  
C86500 - High Strength Manganese Bronze

#### CAST BRONZE ALLOYS Continued

C90300 - Bronze Navy G  
C90500 - Tin Bronze, Gun Metal, SAE 62  
C90700 - Tin Bronze, SAE 65  
C91100 - Tin Bronze C92200 - Leaded Tin Bronze, Navy M  
C92500 - Leaded Tin Bronze, SAE 640  
C92700 - Leaded Tin Bronze, SAE 63  
C93200 - Bearing Bronze, SAE 660  
C93500 - High Leaded Tin Bronze, SAE 66  
C93600 - Bearing Grade Bronze - MOD SAE 64  
C93700 - High Leaded Tin Bronze, SAE 64  
C93800 - High Leaded Tin Bronze, SAE 67  
C95200 - Aluminum Bronze  
C95400 - Aluminum Bronze 9C  
C95400 - HT Aluminum Bronze  
C95500 - Aluminum Bronze  
C95500 - HT Aluminum Bronze  
C95520 - High Strength Aluminum Bronze  
C95800 - Nickel Aluminum Bronze  
C95900 - Aluminum Bronze  
C96900 - Nickel Tin Bronze

## IRON ALLOYS



Atlas Bronze provides Dura-Bar® Iron Products in G2 Gray Iron, Ductile Iron's 65-45-12 and 80-55-06 in a wide variety of shapes and sizes. Dura-bar® Iron Products are designed to meet our customer's most critical requirements. They are manufactured to strict process controls that give you world class quality and uncompromising consistency. Dura-bar® G2 Gray Iron is widely used in a variety of industries and applications that require high wear & response to heat treatment. Dura-bar® Ductile Iron 65-45-12 displays excellent machinability, optimal impact strength and fatigue properties. Whereas, Dura-bar® Ductile Iron 80-55-06 displays a higher wear resistance and strength over 65-45-12; and is readily machinable with good surface finishes.

We stock a variety of Dura-bar® Iron Products in numerous shapes and sizes. Our Dura-bar® Iron Products include: G2 Gray Iron and Ductile Iron's 65-45-12 and 80-55-06 which are available in Continuous Cast and Centrifugal Cast.

### Solid bar • Cored bar • Rectangles/Squares • Ingots • Milled

Available from stock: Rounds up to 30"  
Tubes up to 30"  
Plate up to 15-1/2 x 23-1/2 rectangles

#### G2 GRAY IRON

Solid Bar - Continuous Cast  
Cored Bar - Continuous Cast  
Rectangle / Squares - Continuous Cast  
Cored Bar - Centrifugal Cast  
Plate - Saw Cut  
Ingots

#### DUCTILE IRON 80-55-06

Solid Bar - Continuous Cast  
Rectangle - Continuous Cast  
Ingots

#### DUCTILE IRON 65-45-12

Solid Bar - Continuous Cast  
Solid Bar - Centrifugal Cast  
Solid Bar Peeled - Continuous Cast  
Rectangle - Continuous Cast  
Milled Rectangles - Continuous Cast  
Squares - Continuous Cast  
Milled Squares - Continuous Cast  
Ingots