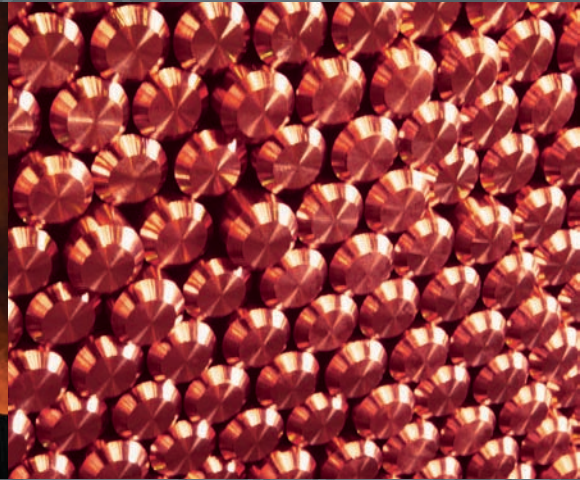
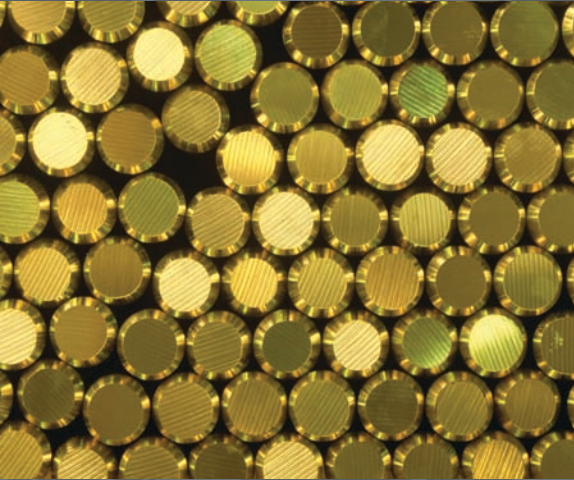


Leading USA manufacturer & master distributor of brass, bronze, and copper alloys.



NBM National
Bronze &
Metals, Inc.



CORPORATE OFFICE

po box 800818
houston, texas 77280 - usa

(p) 713.869.9600
800.231.0771

(f) 713.869.9124
713.869.2897

(e) info@nbmmetals.com
sales@nbmmetals.com

(w) www.nbmmetals.com

NATIONAL BRONZE & METALS EUROPE, SAS

(t) +33 1 78 42 35 12

(f) +33 1 78 42 40 78

(e) gaubry@nbmmetals.com
edekerautem@nbmmetals.com

(w) www.nbmmetals.com/Europe

Leading USA manufacturers & master distributors



U S A m a n u f a c t u r e r s & m a s t e r d i s t r i b u t o r s

National Bronze & Metals, Inc. [NBM] - Our corporate headquarters and main distribution center (founded in 1983) is centrally located in Houston, Texas. Over the past 25 years, we have experienced tremendous growth and earned a worldwide reputation for maintaining huge inventories of brass, bronze, and specialty copper alloys. We inventory over one hundred different grades of copper alloys and well in excess of 5000 metric tons. Our inventories are built and designed with our customers in mind.

Our foundry in Lorain, Ohio is one of the top producing continuous cast foundries in the United States. This facility utilizes both vertical and horizontal casting processes to manufacture our very broad range of continuous cast copper alloys.

In March of 2008 we commenced the construction of a complete new, state-of-the art foundry, which will add a significant amount of additional capacity and introduce our own in-house heat treatment and quenching facilities. This new foundry will be built to meet future requirements for high precision casting applications. We also rough machine, warehouse, and ship material to our customers from this location, both nationally and internationally. We intend to commission this new foundry in July 2009.

NBM has undertaken several large expansion programs over the past five years at both of our USA operations, and we are now in the process of opening a European warehouse. National Bronze & Metals Europe, SAS was established in April 2008 and by September 2008 our European distribution center will be in operation in the south of France.

We foresee even more growth opportunities in the coming years, as we continue to add and improve upon our existing services and move forward into a greater range of copper alloy products, so as to continue to upgrade our services.



Aerospace | Mining | Power & Energy | Resistance Welding | Automotive
| Oil & Gas | Bearings & Bushings | Plumbing | Heavy Engineering |
Transportation

see full details at www.nbmmetals.com

continuous & centrifugal cast bronze



c o n t i n u o u s & c e n t r i f u g a l c a s t b r o n z e

Since the establishment of our foundry in Lorain, Ohio in 1998, NBM has grown to be known as one of the leading manufacturers of continuous cast bronzes in North America. Our production consists of bars in rounds, hollows, rectangles, squares, hex, and made to order shapes for customer specific applications. We utilize both vertical and horizontal casting processes at our foundry, and have the capability to continuous cast as large as sixteen inches diameter (both solids and hollows). We also specialize in casting wearplates (flat bar and plates) and can cast up to twenty inches wide. We are recognized throughout the North American marketplace for casting the largest wearplates in both high leaded tin bronzes and aluminum bronzes.

We also maintain inventories with a substantial size range of centrifugal cast bronze bars in both high leaded tin bronze and aluminum bronze bars. Bars up to thirty inches in diameter are readily available for next day shipment to accommodate the most urgent of breakdowns and repair work.

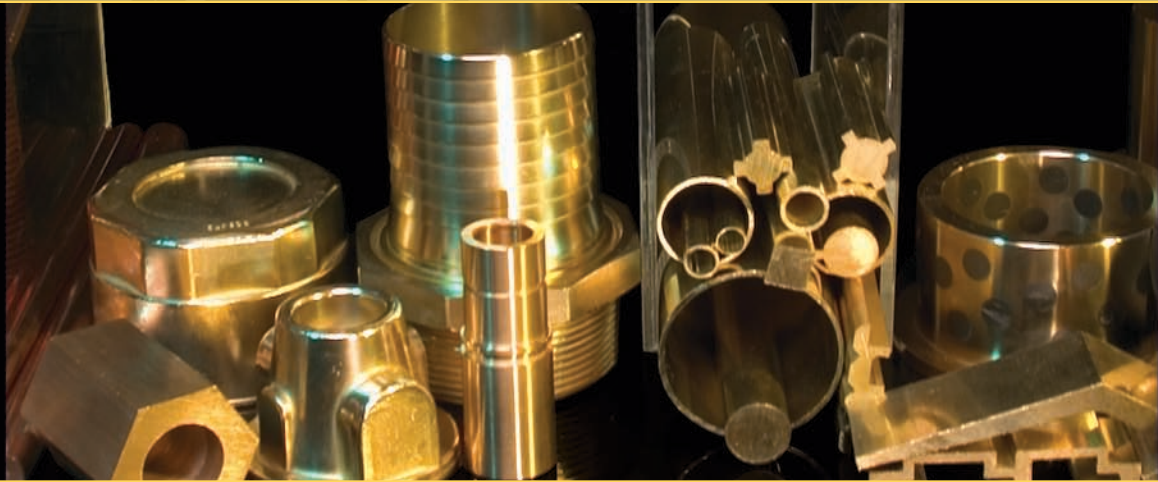
Our new state of the art foundry which is currently under construction will commence production in July 2009, and it is our intention to increase our product range, to cater to the most demanding of applications.



C83600 Leaded Red Brass | C86300 Manganese
Bronze | C87600 Silicon Bronze | C90500 Tin
Bronze | C90700 Tin Bronze | C92200 Leaded
Tin Bronze | C93200 High Leaded Tin Bronze
| C93700 High Leaded Tin Bronze | C943 High Leaded Tin Bronze |
C95400 Aluminum Bronze | C95500 Nickel Aluminum Bronze | C95510
Nickel Aluminum Bronze

see full details at www.nbmmetals.com

wrought bronzes & extruded brass



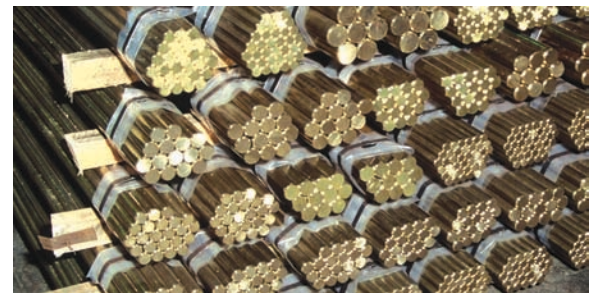
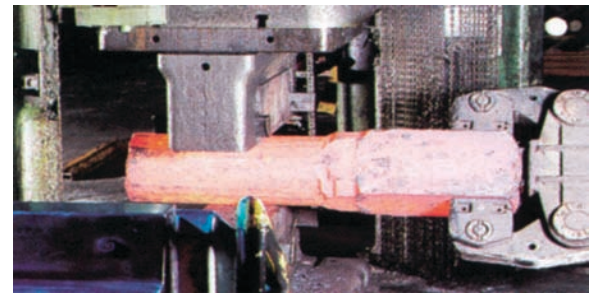
w r o u g h t b r o n z e s & e x t r u d e d b r a s s

NBM has a long family heritage in the manufacture of extruded brasses and wrought bronzes to which no other U.S. company can compare. We have direct familial ties to the largest brass and bronze extrusion mill in Southern Africa.

With our modern and versatile mills producing a broad range of extruded brass, copper, and wrought bronze alloys in rod, bar, tube, rectangles, wire, hollow bars, and profiles, we have a strong competitive edge. Equipped with the latest technology in draw benches, straighteners, and heat treatments our products are made to the highest of standards. Our in-house design and maintenance of extrusion dies provides exceptional quality and craftsmanship, which extends to servicing even the most demanding of applications. One of the most significant aspects of our mill is the fact that we have four extrusion presses utilizing indirect and direct extrusion processes maximizing our range of capabilities in providing a wide variety of alloys, shapes, and sizes.

We also maintain our own laboratory to oversee all the chemical, mechanical, and physical properties of our material. Microstructures, U.T. testing, and other tests can also be readily supplied when requested at time of order.

As of early 2008, our NBM "Patent Pending" line of "Lead-Free Brasses" and "Lead Free D.Z.R. Brasses" are in the final stages of development. They have been designed to be fully compliant with the new California "NSF61" "Lead Free" regulations that will go into effect, as of January 2010. Our new lead-free brasses will have machinability and forgability ratings in excess of 90% when compared to C36000 Free-Cutting Brass and C37700 Forging Brass.

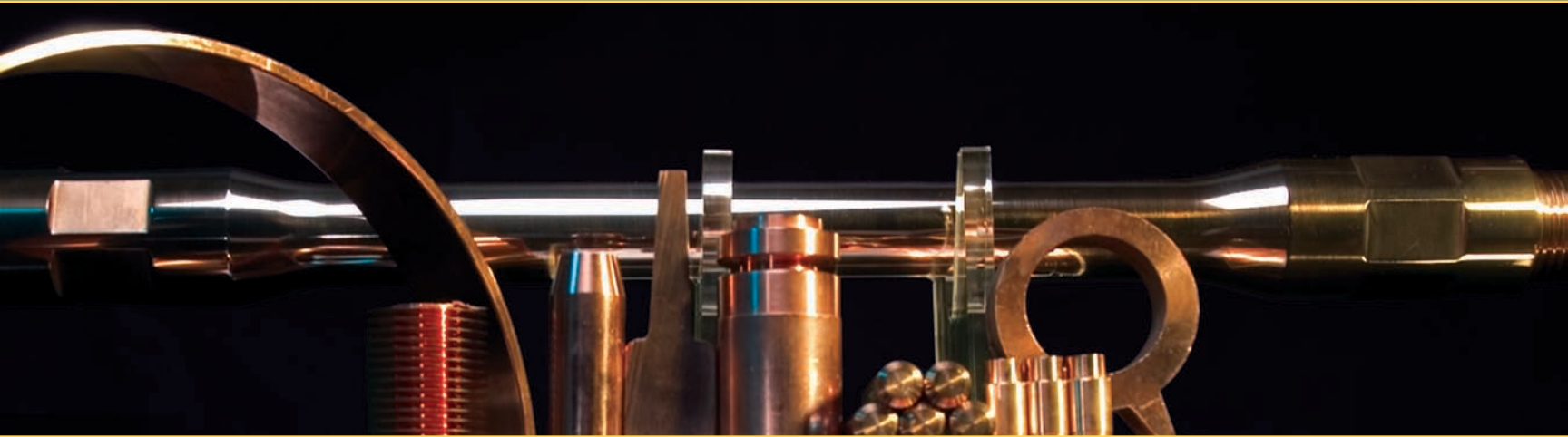


C31400 Leaded Commercial Bronze | C36000 Free-Cutting Brass
| C37700 Forging Brass | C31600 Leaded Comm Bronze | C46400
Naval Brass | C51000 Phosphor Bronze | C54400 Phosphor
Bronze | C63000 Nickel Aluminum Bronze | C63020 Nickel
Aluminum Bronze | C65500 High Silicon Bronze | C67410
Manganese Bronze

see full details at www.nbmmetals.com

A large, dark silhouette of industrial machinery, possibly a turbine or a large pump, is centered against a solid blue background. The silhouette shows a large circular component at the top, a central horizontal shaft or rotor, and various structural supports and blades extending from the sides.

specialty copper alloys



specialty copper alloys

Over the past ten years, NBM has expanded and grown its range of specialty copper alloys utilized in very specific, and often tailor made applications - such as oilfield tools, aerospace landing gears, robotic welding, and mold making applications.

We have a full range of RWMA alloys:

- Class I (C15000 Zirconium Copper)
- Class II (C18200 Chromium Copper)
- Class III (C17500/C17510 Beryllium Copper & C18000 Copper Nickel Silicon)
- Class IV (C17200 Beryllium Copper)
- Class V (C95400 Aluminum Bronze)

We also maintain a complete range of aluminum bronze alloys:

- C61300 Aluminum Bronze (ASTM B-150, B-171, B-169)
- C61400 Aluminum Bronze (ASTM B-100, B-150, B-169, B-171)
- C62300 Aluminum Bronze (AMS 4635)
- C62400 Low Brass (ASTM B-150)
- C63000 Nickel Aluminum Bronze (AMS 4640)
- C63020 Nickel Aluminum Bronze (AMS 4590)
- C63200 Nickel Aluminum Bronze (ASTM B-124, B-150, B-171, B-283)
- C64200 Silicon Aluminum Bronze (AMS 4631, 4634)
- C65620 Silicon Bronze (AMS 4616)
- C95500 Nickel Aluminum Bronze "9D" (ASTM B-148, B-271, B-505, B-763)
- C95510 Nickel Aluminum Bronze (AMS 4880)
- C95520 Nickel Aluminum Bronze (AMS 4881)

Visit our website for a full listing of the alloys that we have available.

In addition, you will find specific details on the standards and properties applicable to our alloys.



C10100 Oxygen Free Electronic Copper | C10200

Oxygen Free Copper | C11000 Electrolytic

Tough Pitch Copper | C14500 Tellurium Copper

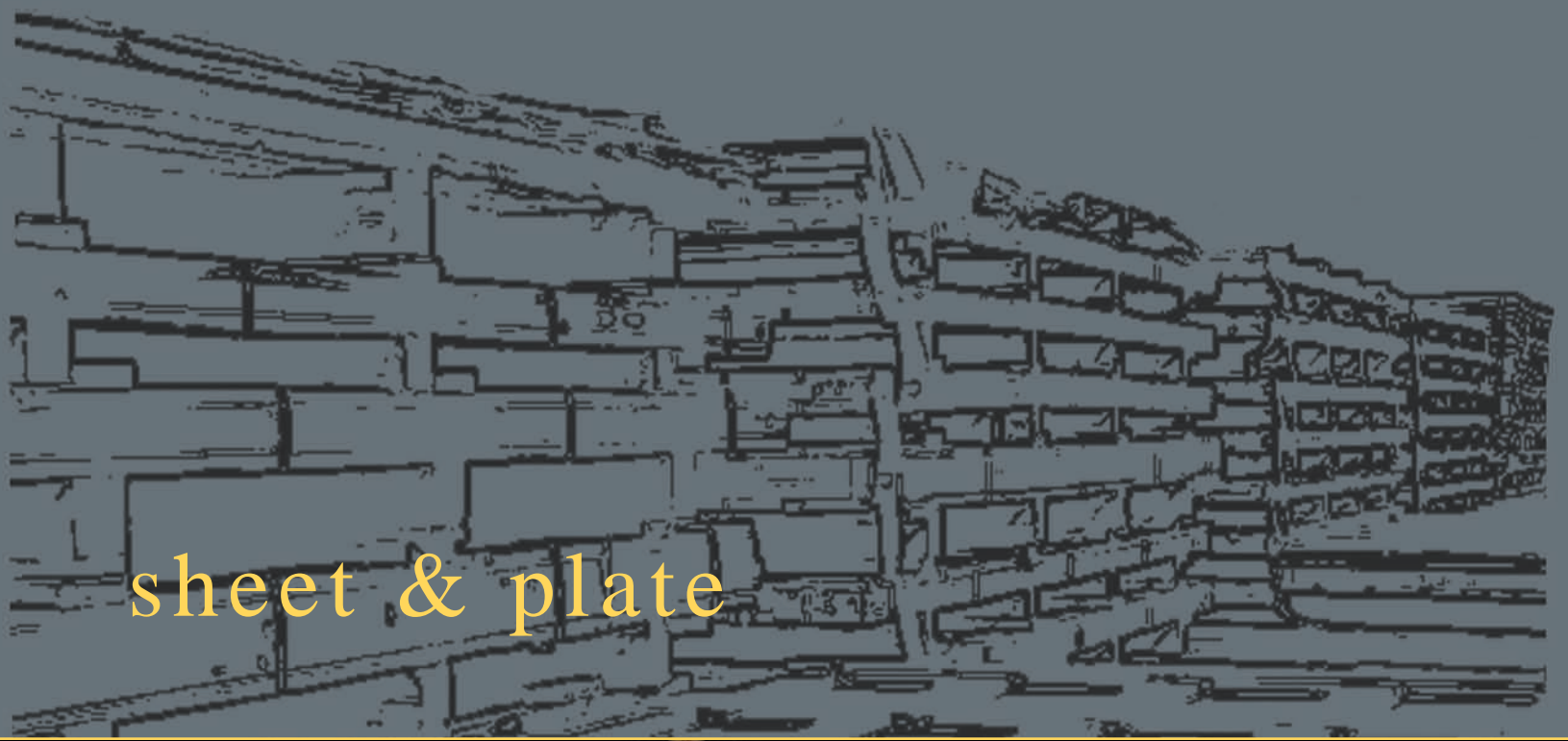
| C15000 Zirconium Copper | C17200 Beryllium Copper | C17500

Beryllium Copper | C17510 Beryllium Copper | C18000 Copper

Chromium Nickel Silicon | C18150 Copper Chromium Zirconium |

C18200 Chromium Copper

see full details at www.nbmmetals.com



sheet & plate



NBM is excited to announce the addition of a vast range and firm commitment to hold substantial inventories of brass, bronze, and copper alloy sheet and plate.

The inventories have been accompanied by the installation of a new state-of-the-art plate saw and other processing equipment to service cut to size orders.

Current alloys available in sheet & plate are as follows:

- C10100 Oxygen Free Copper
- C11000 ETP Copper
- C18150 Copper Chromium Zirconium
- C26000 Cartridge Brass
- C46400 Naval Brass
- C61400 Aluminum Bronze
- C63000 Nickel Aluminum Bronze
- C65500 Silicon Bronze

This material is now available for immediate shipment, and we will be expanding our selection of alloys and increasing our size ranges as we develop this segment of our business.

We encourage you to visit our website to obtain updated news on our inventories which are being developed constantly.



C10100 Oxygen Free Copper |
C1100 ETP Copper | C18150 Copper
Chromium Zirconium | C26000 Cartridge Brass |
C46400 Naval Brass | C61400 Aluminum Bronze |
C63000 Nickel Aluminum Bronze | C65500 High
Silicon Bronze

Website & Informational Resources

The screenshot shows the NBM Metals website homepage. At the top right, there is a list of product codes: C35300 - C36000 - C37700 - C38500 - C41400, C48500 - C67300 - C67500 - C67600 - C68100. The main header features the NBM logo and the text: "NBM is the leading manufacturer and master distributor of brass, bronze, and copper alloys in the USA. Currently, NBM maintains inventories of more than one hundred different copper alloys from stock and many others by request." Below this is a search bar and a navigation menu with links for PRODUCTS / SPECS, MARKETS & APPS, CONTACT US, RESOURCE LIBRARY, ABOUT NBM, NEWS & EVENTS, and HOME. A large banner image shows various metal parts with the text "We Have It. READY TO SHIP". Below the banner, there are three main sections: "Featured Alloys" with a list of alloy types (C10100 Oxygen Free Copper, C11000 ERP Copper, C18150 Copper/Chromium Zirconium, C18200 Chromium Copper, C20200 Cartridge Brass, C46400 Naval Brass, C51400 Aluminum Bronze), "Industry Spotlight" with sub-sections for "OIL & GAS" and "AEROSPACE", and a "Cross Reference Chart of Copper Alloys" link.

WWW.
NBMMETALS.
COM

Website & Informational Resources

Questions? Answers.

Learn additional information about NBM and our service tools on the world wide web at <http://www.nbmmetals.com>

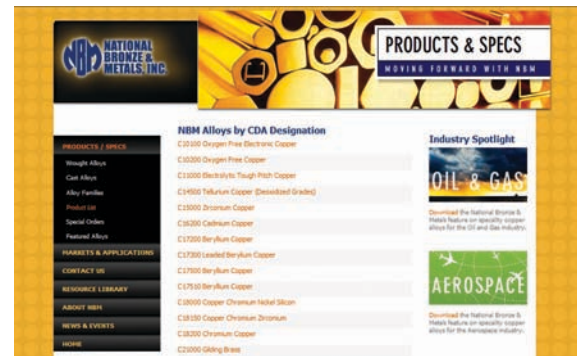
Products/ and specification analysis are available for our complete product line. We discuss the physical, mechanical and specific properties of each alloy within these pages.

Markets/Applications introduces industry-specific knowledge on alloy usage within your company's field. Technical information for the Oil and Gas, Aerospace and RMWA applications can also be found here.

Resource Library offers access to valuable knowledge regarding the material we provide. Download our PDF friendly informational flyers on our specific alloys or choose among our specific industry handouts. You will also find a collection of links to other websites which we believe to be beneficial when making your assessment for the copper alloys you need.

News/Events shares recent news about NBM and our progressive moves, product releases, and ongoing growth. Drill into this section and find out where we will be and what we have going on. We will also keep you up to date on any trade shows and special events that NBM is involved with throughout the world.

NBM is the leading manufacturer and master distributor of brass, bronze, and copper alloys. In addition to our professional sales and trading team serving you and satisfying your requirements, we are an instant click away at <http://www.nbmmetals.com> - send us your quotes online or any questions, concerns and comments.



Products | Specs | Markets | Apps |

Resource Library | About NBM | News | Events | Home | Industry

Spotlight | Employment Opportunities | Aerospace | Features | Oil & Gas |

Downloads | Industry

see full details at www.nbmmetals.com

q u a l i t y & s e r v i c e



We are a company built on a commitment to quality, service & dependability. From the sales desk to the warehouse, our team adds value to your purchase with a collection of experience unmatched in the brass, bronze, and copper industry.

NBM has been ISO certified since 1999. We maintain a policy of total quality assurance that goods and services are supplied to meet their intended purpose, stated performance criteria, and exceed our customers highest expectations. Inventory is produced to ASTM, SAE, ASM, US Federal, and Military specifications when applicable. All outbound material is analyzed and checked several times before dispatch and is identified throughout all stages of production. Each product item is carefully tagged with heat and identification numbers and is fully supported by appropriate material test reports. Our emphasis on quality and conformity are one of the many services we are happy to pass on to you, our customer.

Depending on your requirements, we are ready to provide same day deliveries from inventory, stock & release programs, and mill direct shipments. If by chance the product you need is not a part of our large selection of regularly stocked items, our trading & purchasing department can quickly source our international network to acquire it for you. From our headquarters in Houston, Texas to our foundry in Lorain, Ohio, we proudly answer the demands of the North American markets and our new French warehouse will be able to rapidly transport your order direct to you anywhere in the world.

We look forward to working with you in the near future, and assure you of our best attention.

The management & staff



The Leading Manufacturer & Master Distributor of
Brass Bronze and Copper Alloys in the U.S.A.

www.nbmmetals.com

C10100	Oxygen Free Electronic Copper	C48600	Dezincification Resistant Forging Brass (Arsenical)	C86400	Manganese Bronze
C10200	Oxygen Free Copper	C50700	Tin Bronze / Signal Bronze	C86500	Manganese Bronze "SAE 43"
C11000	Electrolytic Tough Pitch Copper	C51000	Phosphor Bronze "5% A"	C90200	Tin Bronze
C12000	Phosphorus - Deoxidized, Low Residual P	C52100	Phosphor Bronze "8% C"	C90300	Tin Bronze "Navy G"
C12200	Phosphorus-Deoxidized, High Residual P	C52400	Phosphor Bronze "10% D"	C90500	Tin Bronze "SAE 62"
C14500	Tellurium Copper (Deoxidized Grades)	C53400	Phosphor Bronze "B-1"	C90700	Tin Bronze "SAE 65"
C15000	Zirconium Copper	C54400	Phosphor Bronze "B-2" "Free Cutting"	C91000	Tin Bronze
C16200	Cadmium Copper	C61000	Aluminum Bronze	C91100	Tin Bronze
C16500	Cadmium Tin Copper	C61300	Aluminum Bronze	C91700	Nickel Tin Bronze
C17200	Beryllium Copper	C61400	Aluminum Bronze	C92200	Leaded Tin Bronze "Navy M"
C17300	Leaded Beryllium Copper	C61800	Aluminum Bronze	C92300	Leaded Tin Bronze
C17510	Beryllium Copper	C62300	Aluminum Bronze	C92500	Leaded Tin Bronze
C18000	Copper Chromium Nickel Silicon	C62400	Aluminum Bronze	C92600	Commercial Leaded Tin Bronze
C18150	Copper Chromium Zirconium	C63000	Nickel Aluminum Bronze	C92700	Leaded Tin Bronze
C18200	Chromium Copper	C63020	Nickel Aluminum Bronze	C92800	Leaded Tin Bronze
C18700	Leaded Copper	C63200	Nickel Aluminum Bronze	C92900	Leaded Nickel Tin Bronze
C19140	Low Leaded Nickel Copper	C63400	Aluminum Bronze	C93200	High Leaded Tin Bronze "SAE 660"
C19160	Leaded Nickel Copper	C63600	Aluminum Bronze	C93400	High Leaded Tin Bronze
C21000	Gilding Brass	C64200	Silicon Aluminum Bronze	C93600	High Leaded Tin Bronze
C22000	Commercial Bronze	C64210	Everdur 6421	C93700	High Leaded Tin Bronze "SAE 64"
C22600	Jewelry Bronze	C64700	Nickel Silicon Bronze	C93800	High Leaded Tin Bronze "SAE 67"
C23000	Red Brass	C65100	Low Silicon Bronze "B"	C94100	High Leaded Tin Bronze
C23400	Red Brass Welding Filler Metal	C65500	High Silicon Bronze "A"	C94300	High Leaded Tin Bronze
C24000	Low Brass	C65600	Everdur 656	C94500	Medium Bronze
C26000	Cartridge Brass "70%"	C65610	Silicon Bronze	C94700	Nickel Tin Bronze "Spinodal"
C27000	Yellow Brass "65%"	C65620	Silicon Bronze "AMS 4616"	C94800	Leaded Nickel Tin Bronze
C27200	Yellow Brass "63.5%"	C67300	Manganese Bronze	C95200	Aluminum Bronze
C27400	Yellow Brass "63%"	C67310	Manganese Bronze	C95300	Aluminum Bronze
C28000	Muntz Metal "60%"	C67400	Manganese Bronze	C95400	Aluminum Bronze "9C"
C31400	Leaded Commercial Bronze	C67410	Manganese Bronze	C95500	Nickel Aluminum Bronze "9D"
C31600	Nickel Leaded Commercial Bronze	C67420	Manganese Bronze	C95510	Nickel Aluminum Bronze (AMS4880)
C34500	High Leaded Brass "64%"	C67500	Manganese Bronze	C95520	Nickel Aluminum Bronze (AMS 4881)
C35200	Dezincification Resistant Machine Brass (Arsenical)	C67600	Manganese Bronze	C95800	Alpha Nickel Aluminum Bronze
C35300	High Leaded Brass "62%"	C68700	Aluminum Brass "Arsenical"	C95900	Aluminum Bronze
C36000	Free-Cutting Brass	C69430	Silicon Red Brass	C96900	Nickel Tin Bronze "Spinodal"
C37700	Forging Brass	C70600	Copper Nickel "90/10"	C97600	Nickel Silver Bronze "Dairy Metal"
C38000	Architectural Bronze "Low Leaded"	C71500	Copper Nickel "70/30"	C97800	Nickel Silver Bronze "25%"
C38500	Architectural Bronze	C75200	Nickel Silver "65-18"	C99500	NBM Stem Bronze
C44300	Admiralty Brass	C79200	Leaded Nickel Silver		
C46200	Naval Brass - Cold Heading (Wire)	C83600	Leaded Red Brass "SAE 40"	UZ19AL6	Aircraft Bronze
C46400	Naval Brass "Lead Free"	C84400	Leaded Semi-Red Brass	SAE 841	Sintered Bronze
C48200	Naval Brass "Medium Lead"	C86200	Manganese Bronze "SAE 430 A"		
C48500	Naval Brass "High Leaded"	C86300	Manganese Bronze "SAE 430 B"		



VISIT OUR WEBSITE!
www.nbmmetals.com



www.nbmmetals.com | 713.869.9600 | sales@nbmmetals.com

rev. 0608