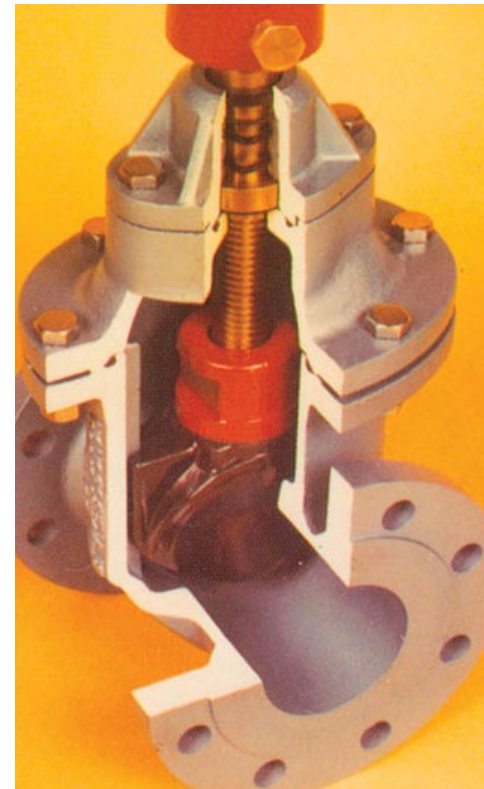


NBM 995 “STEM BRONZE”

Corrosion Resistant Lead Free DZR Bronze



NBM Metals manufactures a large range of sizes for NBM 995 Corrosion Resistant Lead Free DZR Bronze at our foundry in Lorain (Cleveland), Ohio.

NBM 995 “stem bronze” can be used in iron body valves where dezincification is a problem. NBM 995 “stem bronze” has superior mechanical properties and a better machinability rating than CDA 65500 Silicon Bronze, and CDA 69430 Red Silicon Bronze, and C67500/C67600 Manganese Bronze alloys.

NBM 995 “stem bronze” can also be heat treated to meet the most demanding applications, where even higher mechanical properties are required than those stated.

NBM 995 “stem bronze” is available in a solid bar form, ½ inch through 6 inches diameter, and other sizes and shapes can easily be produced upon request. Samples of this material are readily available for your testing and evaluations.

NBM Metals has a brand new ultramodern CNC machine shop capable of supplying finished parts to print, and can produce , hold inventories and release material in full accordance with your production schedule.

We look forward to working with you.

 **NBM Metals**
www.nbmmetals.com

The Leading USA Manufacturer & Master Distributor
of Brass, Bronze, & Copper Alloys

NBM 995 “STEM BRONZE”

Corrosion Resistant Lead Free DZR Bronze

Chemical Composition

	Cu	Al	Fe	Pb	Ni	Si	Zn
Min(%) / Max(%)	Rem	0.50-2.0	3.0-5.0	0.10 max	3.5-5.5	0.50-2.0	0.50-2.0
Nominal (%)	88.9	1.3	4.0	-	4.5	1.3	1.3

Nominal Mechanical Properties

Tensile Strength:	70,000 Psi
Yield Strength (0.5% Eul):	40,000 Psi
Elongation (in 2 in):	12%
Machinability Rating	50% (Free Cutting Brass=100%)
Hot Forging Rating:	75% (Forging Brass=100%)

The values listed on this document represent reasonable approximations suitable for general engineering use. Due to commercial variations in composition and to manufacturing limitations, they should not be used for specification purposes. See applicable A.S.T.M. Specification references.

Typical Uses

Most widely used in flow control marine applications where corrosion resistance and high strength is critical.

- Water Supply Systems
- Valve Stems/Guides/Seats/Collets
- Forging/Heading/Upsetting/Machining
- Pole-line Hardware, Bolts
- Marine Hardware, Propeller Wheels
- Gears For Mining Equipment

About NBM Metals

NBM Metals has undertaken several large expansion programs over the last 10 years, including our newly commissioned state-of-the-art foundry in Lorain, Ohio. This foundry is now considered the top producing continuous cast foundry in the United States. We have expanded into Europe and opened a warehouse operation in Toulon France, and Monterrey Mexico, giving NBM Metals a truly global reach. We foresee even more growth opportunities in the near-term as we continue to add and improve upon our existing services to serve our customers with greater efficiency.



USA / Canadian Sales
(713) 869-9600
sales@nbmmetals.com

MCNA
ISO 9001:2008
Certified
Management Certification
of North America
ANAB
ACCREDITED
ISO 9001:2008

European Sales
+33 494 109 386
info@nbmmetals.com

afaq
EN/AS 9120
Aerospace
AFNOR CERTIFICATION

Mexico Sales
521 81 19 11 29 58
ventas@nbmmetals.com

Other Territories
trading@nbmmetals.com

www.nbmmetals.com