

National Bronze & Metals, Inc. is pleased to announce the development and production of NBM 995 "stem bronze", manufactured at our plant in Lorain (Cleveland), Ohio.

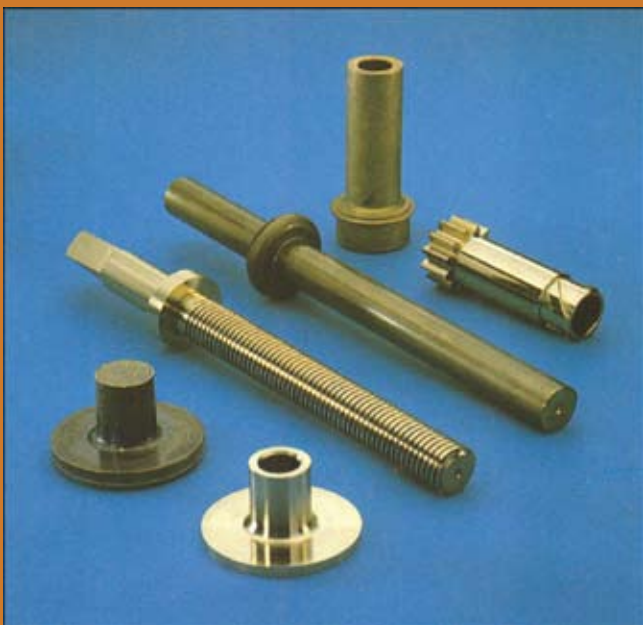
This NDZF material is a LEAD FREE (low zinc) alloy that can be used in iron body valves where dezincification is a problem. NBM 995 "stem bronze" has superior mechanical properties and a better machinability rating than CDA 65500, silicon bronze, and CDA 69430, red silicon bronze, in an extruded and hard drawn temper.



NBM 995 STEM BRONZE

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, 3/8 inch through 6 inches in diameter, with other sizes and shapes easily produced upon request. Samples of this material are readily available for your testing and evaluations, and we look forward to working with you.



For further information,
call your sales representative at
800-231-0771 or e-mail us at
trading@nbmmetals.com today.

NBM
**NATIONAL
BRONZE &
METALS, INC.**

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CHEMICAL COMPOSITION

	Cu	Al	Fe	Pb	Mn	Ni	Si	Zn
min/max %	rem	.50-2.0	3.0-5.0	.10 max	.50	3.5-5.5	.50-2.0	.50-2.0
nominal %	88.9	1.3	4.0	-	-	4.5	1.3	1.3

NOMINAL MECHANICAL PROPERTIES

TENSILE STRENGTH:	72,000 Psi
YIELD STRENGTH (0.5% EUL):	40,000 Psi
ELONGATION (in 2 in):	20%
MACHINABILITY RATING:	50% (Free Cutting Brass=100%)
HOT FORGING RATING:	75% (Forging Brass=100%)

TYPICAL APPLICATIONS

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

- valve stems/guides/ seats/ collets
- forging/heading
- pole-line hardware
- bolts
- upsetting
- screw machining
- marine hardware
- gears

NATIONAL BRONZE & METALS, INC.

- Leading manufacturer and distributors of brass, bronze, and copper alloys
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