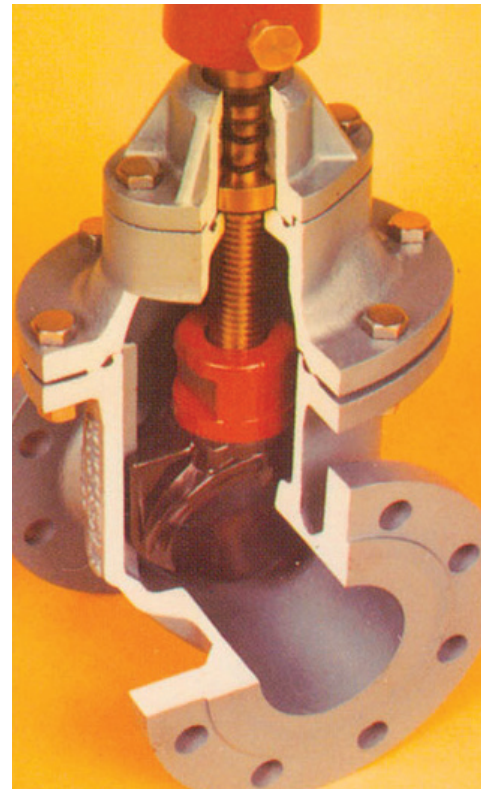


AVIVA 995 “STEM BRONZE”

CORROSION RESISTANT LEAD FREE DZR BRONZE



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

Aviva 995 “stem bronze” can be used in iron body valves where dezincification is a problem. Aviva 995 “stem bronze” has similar mechanical properties and machinability rating to CDA 65500 Silicon Bronze.



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

Aviva 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.

AVIVA
METALS

www.avivametals.com

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THE LEADING USA MANUFACTURER & MASTER DISTRIBUTOR OF BRASS, BRONZE, COPPER ALLOYS & MACHINED PARTS

AVIVA 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	0.09 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 (KSI) MIN	YIELD STRENGTH (KSI) MIN	ELONGATION IN HD MIN	MACHINABILITY RATING	UPSETTING RATING
70	40	12	50%	75%

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

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.



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