

AMS 4616 (C65620) SILICON BRONZE

OFFERED IN SOLID BARS



A special high strength silicon bronze; the additional iron content provides added strength in conjunction with the self lubricity of the silicon for excellent bearing and load properties. Easily machined into ball bearing cage assemblies!

TYPICAL USES

Aerospace

Anti-Friction Bearing Cages, Races, and Spacers

SIZES AVAILABLE

Solid Bar.....5/8" – 4 1/2" diameter

GENERAL NOTES

All material is DFARS compliant and supplied with micro structures. All popular sizes are available from stock.

SIMILAR OR EQUIVALENT SPECS

C65620



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Chemical Composition, Mechanical Properties

CHEMICAL COMPOSITION

	Cu ⁽¹⁾	Fe	Mn	Si	Zn
min/max	90	1.0 - 2.0	1.0	2.4 - 4.0	1.5 - 4.0
nominal	-	-	-	-	-

MECHANICAL PROPERTIES

TENSILE STRENGTH (KSI)	YIELD STRENGTH IN COMP. (KSI)	ELONGATION IN HD MIN	BRINELL (3000 KG)
56	20	30%	55

AVIVA Color Code



FLOURESCENT ORANGE

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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