



C65500 is a high strength, engineering alloy that has excellent resistance to a wide range of corrosives, including fresh and salt water, most acids, alkalies, salts, and organic chemicals. However, it is not suitable for use with sulfides, nitric acid, acid chromates, or oxidizing salts such as ferric chloride. It has a combination of corrosion resistance, strength, resilience, and formability that makes them among the most widely used copper alloys. Noted to be non-sparking, galling resistant, and fatigue resistant. Typical applications of C65500 include electrical conduit, pump shafts,

Sizes Available From NBM

 SOLID BAR
 1/8" - 8" Dia

 HEXAGONAL
 1/4" - 2" A/F

 WIRE
 1/16" - 7/8" Dia

SHEET & PLATE 48" x 144" & 1/8" - 4" Thick*

Spec Equivalents

ASTM B-96, B-124, B-98, B-99

Chemical Composition

	Cu ⁽¹⁾	Fe	Pb	Mn	Ni ⁽²⁾	Si	Zn
min/max	Rem.	.8	.05	.50-1.3	.6	2.8-3.8	1.5
nominal	97.0	-	-	.9	-	3.0	-

(1) Cu value includes Ag.

Note: Cu + Sum of Named Elements, 99.5% min.

Typical Uses

valve stems, tie rods, fasteners, marine and pole-line hardware, nuts, bolts,

Architecture

screws, rivets, nails, bushings, screen cloth and wire.

Handrails, Sculptures, Fountains, Outdoor Decor

Electrical

Pole Line Hardware, Motors, Rotor Bar

Fasteners

Bolts, Nuts, Screws, Rivets, Burrs, Nails, Cotter Pins, Clamps

Industrial

Screen Cloth, Wear Plates, Screen Plates, Shafting, Wire, Welded Pressure Vessels, Oil Refinery Plumbing Tube, Bearing Plates, Butts, Bushings, Cable, Channels, Chemical Equipment, Heat Exchanger Tubes, Kettles, Hydraulic Pressure Lines, Tanks, Piston Rings, Doctor Blades, Paper Industry, Pressure Vessels, Welded Tanks

Marine

Hardware, Propeller Shaft



PO BOX 800818 HOUSTON, TX 77280 fax: 713-869-9124



^{*(}Thicker plates and other dimensions can be made to order)



C65500

HIGH-SILICON BRONZE "A"

WWW.NBMMETALS.COM

LEADING MANUFACTURER & MASTER DISTRIBUTOR OF BRASS, BRONZE, & COPPER ALLOYS

Tempers Most Commonly Used

Flat Products	
Plate M20	
Sheet M20	
Strip, Rolled	H01, H02, H04, H06, H08, OS015, OS035, OS070
Wire, Rolled	H02, H06

Other	
Rod	H02, H04, H06, OS050
Tube	H58, H80, OS050
Wire	H00, H01, H02, H04, H08, OS015, OS035

Physical Properties

 Melting Point - Liquidus
 1880 F

 Melting Point - Solidus
 1780 F



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