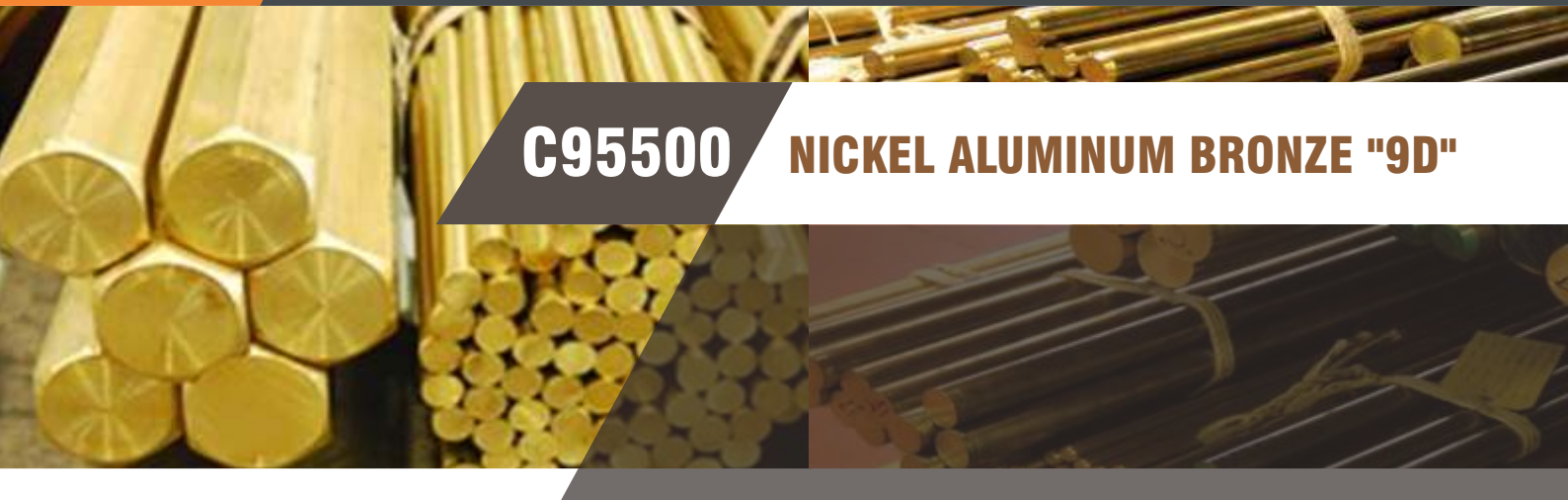




SHREE EXTRUSIONS LIMITED



C95500

NICKEL ALUMINUM BRONZE "9D"

ASTM B505

C95500 offers superior salt water corrosion resistance. It also is resistant to cavitation and erosion. Along with the advantage of pressure tightness, this high strength alloy is excellent for welding and is available in many forms at a lower cost to you.

COMMON APPLICATIONS

BUILDERS HARDWARE: Window Hardware **CONSUMER:** Piano Keys, Musical Instruments **ELECTRICAL:** Electrical Hardware **FASTENERS:** Stuffing Box Nuts **INDUSTRIAL:** Pickling Equipment, Valve Guides, Piston Guides, Valve Seats, Pump Fluid Ends, Glands, Worms, Worms Wheels, Hot Mill Guides, Hand Gun Recoil Mechanisms, Landing Gear Parts, Air Craft Components, Wear Plates, Welding Jaws, Landing Gear Parts, Glass Molds, Machine Parts, Sewage Treatment Applications, Valve Components, Bearings, Bushings, Valve Bodies, Gears **OIL & GAS:** Piping for Vertical Pump Columns, Firefighting and Fire Suppression Systems, Seawater Lift Pumps, Piping Layout, Flanges and Fittings, Discharge Elbows, Cooling Loops for Power Plants, Bronze Valve Bodies, Piping Systems, Desalination Equipment, Tube Sheets, Circulating Pumps and Pump Shafts, Fasteners and Hardware for Cooling towers. **MARINE:** Marine Applications, Covers for Marine Hardware, Ship Building, Marine Hardware **ORDINANCE:** Government Fittings

CHEMICAL COMPOSITION

	Al	Cu	Fe	Mn	Ni
Min/Max	10.0-11.5	78.0 min	3.0-5.0	3.5	3.0-5.5
Nominals	11.0000	80.0000	4.0000	-	4.3000

PHYSICAL PROPERTIES

Product Property	US Customary
Coefficient of Thermal Expansion	9.0 Å • 10-6 per oF (68-572 F)
Density	0.272 lb/in3 at 68 F
Electrical Conductivity	8 %IACS @ 68 F
Electrical Resistivity	122.8 ohms-cmil/ft @ 68 F
Magnetic Permeability (As Cast)	1.32
Magnetic Permeability (TQ50 temper)	1.2
Melting Point - Liquidus	1930 F
Melting Point - Solidus	1900 F
Modulus of Elasticity in Tension	16000 ksi
Poisson's Ratio	0.32
Specific Gravity	7.53
Specific Heat Capacity	0.1 Btu/lb/oF at 68 F
Thermal Conductivity	24.2 Btu Å • ft/(hr Å • ft2Å • oF)at 68F

SIZES AVAILABLE :

ROUND RODS/BARS	8mm To 100 mm
HEX	10mm To 60mm
SQUARE	10mm To 60mm
FLAT	10mm Min Thickness and max Width 120mm
BILLETS	Up to 200 mm
INGOTS	As per Specification

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Quality, Technology & Vision at it's Best...