



TYPICAL USES

Builders Hardware	Window Hardware
Consumer	Musical Instruments, Piano Keys
Electrical	Electrical Hardware
Fasteners	Stuffing Box Nuts
Industrial	Machine Parts, Glass Molds, Welding Jaws, Wear Plates, Air Craft Components, Pickling Equipment, Valve Guides, Piston Guides, Valve Seats, Pump Fluid Ends, Glands, Worms, Worm Wheels, Hot Mill Guides, Landing Gear Parts, Sewage Treatment Applications, Valve Components, Bearings, Gears, Bushings, Valve Bodies, Hand Gun Recoil Mechanisms
Marine	Ship Building, Covers for Marine Hardware, Marine Hardware
Ordinance	Government Fittings

Bronze Family: Nickel Aluminum Bronze
Solids: 1/2" to 9" OD
Tubes: 1-1/8" to 9" OD
Rectangles: Up to 15"
Standard Lengths: 144"

SIMILAR OR EQUIVALENT SPECIFICATION

CDA	ASTM	ASARCON	SAE	AMS	FEDERAL	INGOT	MILITARY	OTHER
C95500HT	ASTM B505				QQ-C-390B TYPE III		MIL-C-16033 CLASS 4	Aluminum Bronze 9D

CHEMICAL COMPOSITION

Alloy	Cu%	Sn%	Pb%	Zn%	Fe%	Ni%	Sb%	P%	S%	Al%	Mn%	Si%
C95500HT	78.00-MIN	N/A	N/A	N/A	3.00-5.00	3.00-5.50	N/A	N/A	N/A	10.00-11.50	3.50	N/A

Chemical Composition according to ASTM B505-08

Note: Single values represent maximums.

MACHINABILITY

Alloy	Machinability Rating	Density (lb/cu in.)
C95500HT	50	0.272

MECHANICAL PROPERTIES

Tensile Strength, min		Yield Strength, at .5% extension under load min		Elongation in 2 in. or 50 mm min, %	Brinell Hardness, min	Remarks
ksi	MPa	ksi	MPa			
110	758	62	427	8	N/A	

Mechanical Properties according to ASTM B505-08