

C96900HT

Continuous Cast

Product Description:	Copper-Nickel
Solids:	Consult Mill
Tubes:	2" to 14" O.D.
Rectangles:	Consult Mill
Standard Lengths:	24**
Shape/Form:	semi-finished, mill stock or near-net shapes, anode, bar stock, billet/bloom, squares, hex, plate, profile or structural shape, flats/rectangular bar
	*Consult mill for other lengths

Typical Uses

Industrial	bushings, bearings, chemical processing equipment, components for oil refineries, fittings, steam fittings
Marine	component parts for sea water corrosion resistance, elbows/flanges/propeller sleeves/pump bodies/pump impellers/valves to resist sea water
Plumbing	plumbing parts

Chemical Composition

Cu%	Pb%	Sn%	Zn%	Ni% ¹	Mg%	Mn%	Si%	Nb%
Rem.	0.02	7.50- 8.50	0.50	14.50- 15.50	0.15	0.05- 0.30	0.30	0.10

Chemical Composition according to ASTM B505/B505M-18

¹Ni value includes Co.

Note: Cu + Sum of Named Elements, 99.5% min. Single values represent maximums.

Mechanical Properties

Tensile Strength, min		Yield Strength, at 0.2% Offset, min		Elongation, in 4D or 2 in. or 50 mm min	Brinell Hardness	Remarks
ksi	MPa	ksi	MPa	%	typical BHN	
110	758	105	724	4		Heat Treated Rockwell C32

Mechanical Properties according to ASTM B505/B505M-18

