

# 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 (%) <sup>1</sup>	Mg (%)	Mn (%)	Si (%)	Nb (%)
Remain	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-23

<sup>1</sup>Ni 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-23