C96900HT

wieland concast

Alloy C96900HT, also designated CuNi15Sn8A, is spinodal hardened (CX), reflecting properties similar to copper beryllium alloys.

Product description	Copper-nickel-tin
Solids	Consult mill
Tubes	2" to 14" O.D.*
Rectangles	Consult mill
Standard lengths	52"**
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 wall thickness*
***Consult mill for other lengths*

Typical uses:

Industrial / off-road / mining / heavy equipment
- Bushings, bearings, fittings, wear plates

Oil / gas
- Bushings, bearings, fittings, components for oil refineries

Aircraft / aerospace
- Landing gear bushings and bearings

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Chemical composition			
Cu (%)	Sn (%)	Ni (%)[1]	Mn (%)
76.80	8.00	15.00	0.20

Chemical composition according to ASTM B505/B505M-23

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	%	min BHN	
110	758	105	724	4		Heat treated Rockwell C32

Mechanical properties according to ASTM B505/B505M-23

Key features and benefits:

- Corrosion resistance
- Wear resistance
- Impact resistance
- High strength
- Excellent bearing performance
- High stiffness ratio
- Nonmagnetic
- Exceptional lubricity
- Excellent machinability

Wieland Concast certifications

- AS9100:2016-certified quality management system
- ISO 9001:2015-certified quality management system

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