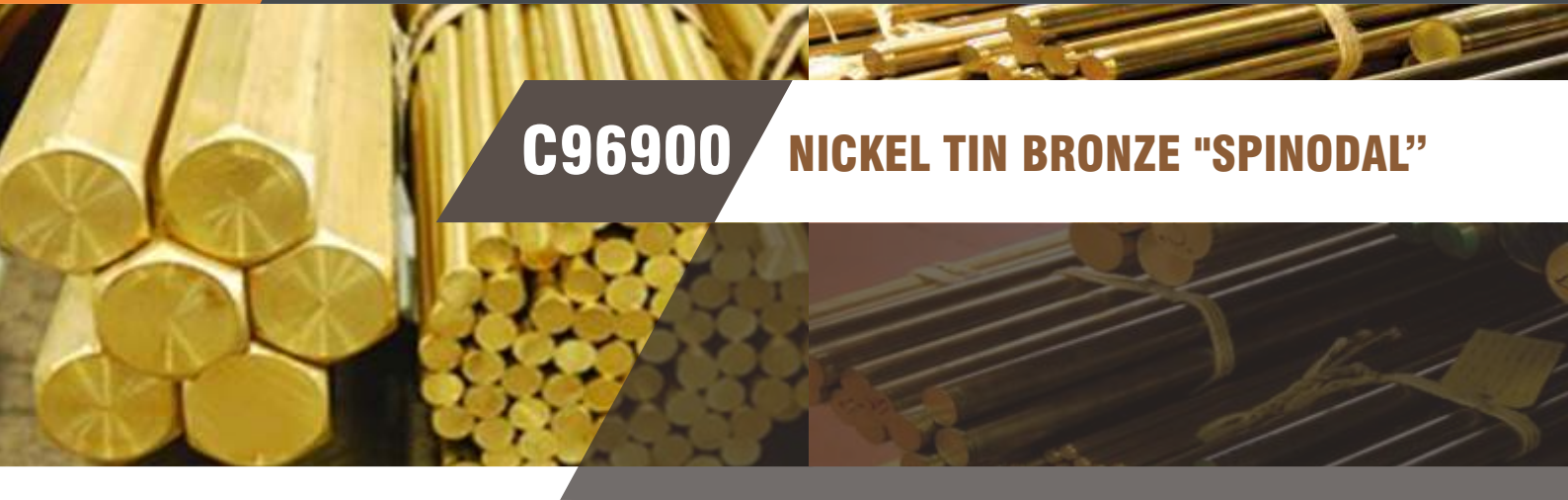




# SHREE EXTRUSIONS LIMITED



## C96900

## NICKEL TIN BRONZE "SPINODAL"

C96900 is the ideal choice for tough environments. It displays High Strength, Anti-Galling Properties, Non-Magnetic, Excellent Machinability, Corrosion Resistance, and Good Bearing Properties.

C96900 is used in bushings and bearings for aircraft, industrial equipment, and heavy equipment. It is also used for oil and gas drilling hardware including rotary steerable housings, Kelly valve seats and pressure housings.

C96900 in the hot worked and spinodally hardened (AT/TX00) condition exhibits tensile strength up to 140 ksi in a copper nickel tin alloy with excellent machinability.

### TYPICAL USES:

Defense, Electronics, Heavy Equipment, Marine, Oil & Gas, Performance Racing, Plastic Mold Tooling

### CHEMICAL COMPOSITION

	Cu	Ni	Fe	Mn	Nb	Pb	Sn	Zn
Min/Max	Reminder	14.5-15.5	0.05 max	.05-.3 max	0.1 max	0.02 max	7.5-8.5	0.5max
Nominals	-	-	-	-	-	-	-	-

### PHYSICAL PROPERTIES

Density	0.325Lbs. per cubic inch @ 68°F (annealed)
Modulus	21Elastic modulus in tension x 106 P.S.I.
Electrical Conductivity	9% IACS at 68°F (annealed)
Thermal Conductivity	22BTU per foot per hour per °F at 68°F (annealed)
Thermal Expansion	9.1Inches per inch x 10 <sup>-6</sup> from 68°F to 572°F

### SIZES AVAILABLE :

ROUND RODS

HEX

SQUARE

FLAT

BILLETS

INGOTS

8mm To 100 mm

10mm To 60mm

10mm To 60mm

10mm Min Thickness and max Width 120mm

Up to 200 mm

As per Specification

Regd. Office & Works:

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