



## UNS C14500 Alloy Tellurium Copper Rod For Automobile Electromagnetic Switch

Our Product Introduction

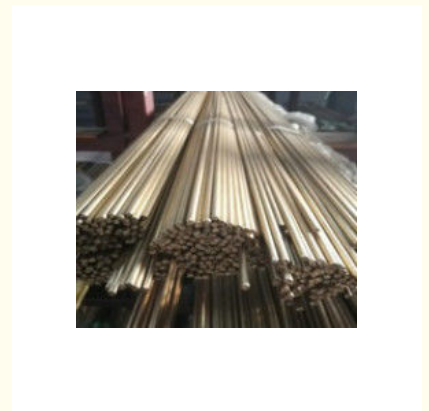
### Basic Information

- Place of Origin: china
- Brand Name: jinshunlai
- Certification: ISO, AISI, ASTM, GB, EN, DIN
- Model Number: 0.1mm-900mm
- Minimum Order Quantity: 1kg
- Price: Contact Us
- Packaging Details: Waterproof Paper, Steel Strip Packed and other Standard Export Seaworthy Package, or customized package
- Delivery Time: 5day
- Payment Terms: L/C, T/T , Western Union
- Supply Ability: 90000ton



### Product Specification

- Application: Industrial
- Color: Bronze
- Feature: High Strength
- Material: Bronze
- Package: Wooden Case
- Processing: Casting
- Shape: Rod
- Surface: Smooth
- CorrosionResistance: High
- Diameter: Various
- Ductility: High
- ElectricalConductivity: Low
- Finish: Polished
- Hardness: Medium
- Length: Various



### More Images



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## Product Description

### PRODUCT DESCRIPTION

#### C14500/ QTe0.5 Tellurium Bronze Copper Rod Plate Sheet For New Energy Vehicles

##### Product Normal Description:

Product Name: Tellurium bronze copper rod plate sheet

Grade: C14500/ QTe0.5

Size: according customer's requirement

State: H02 H04

Typical Application: Electrical

##### Material Properties of C14500/ QTe0.5 Tellurium Bronze Copper Alloy

C145 Tellurium Copper (TeCuP) has applications in the production of hot forged products, high-speed screw machine products and parts requiring high conductivity, extensive machining, corrosion resistance, copper color, or a combination of these. The addition of tellurium enhances the strength of the copper alloy and assists in chip breakage, allowing for much higher machining speeds and ultimately longer tool life than with pure copper in high-speed screw machines.

|                                                                      |                                             |
|----------------------------------------------------------------------|---------------------------------------------|
| Typical Application of C14500/ QTe0.5 Tellurium Bronze Copper Alloy: | Gas cutting nozzles                         |
|                                                                      | High-speed automatic screw machines         |
|                                                                      | Electrical Switches on power semiconductors |
|                                                                      | Welding Torch tips                          |
|                                                                      | Transformer & Circuit-breaker terminals     |
|                                                                      | Fasteners                                   |
|                                                                      | Production of hot forged products           |

| PHYSICAL PROPERTIES               |          | GENERAL PROPERTIES             |      |
|-----------------------------------|----------|--------------------------------|------|
| (Guide values for 20° C)          |          |                                |      |
| Density of g/cm³                  | 8,94     | Resistance to:                 |      |
| Solidification range ° C          | 953-1080 | – organic materials            | n.a  |
| Electrical conductivity m/Ω · mm2 | 50       | – neutral / alkaline compounds | k.A. |
| Thermal conductivity W/(mK)       | 355      | Formability                    |      |
| Therm. linear expansion-          |          | – Warm                         | 1    |
| coefficient 10-6/K                | 17,1     | – Cold                         | 2    |
| Modulus of elasticity N/mm2       | 115.000  |                                |      |

##### Shape Available of C14500/ QTe0.5 Tellurium Bronze Copper Alloy:

| Shape                   | Condition      | Size     |
|-------------------------|----------------|----------|
| Straight Round Rod/Wire | Hard/Half Hard | Φ2-15mm  |
| Straight Round Rod      | Hard/Half Hard | Φ3-90mm  |
| Flat Bars/Plates/Sheets | Hard/Half Hard | Φ5-100mm |



