

## Description:

C41500 is a tin brass alloy known for its moderate strength, spring properties, and resistance to stress relaxation. It is suitable for various applications, particularly in the electrical and thermal sectors.

Chemical Composition:

- Copper (Cu): 89.0 - 93.0%
- Tin (Sn): 1.5 - 2.2%
- Zinc (Zn): Remainder
- Other elements: 0.05% active

## Mechanical Properties:

- Machinability rating of 30 (where Free-Cutting Brass = 100)
- High-speed-steel tools are recommended for roughing operations, and carbide-tipped tools for finishing

## Thermal & Physical Properties:

- Suitable for spring applications due to its thermal properties and resistance to stress relaxation

## Other Designations:

- DIN Number: Not specified

## Fabrication & Heat Treatment:

- Can be fabricated into plates, sheets, strips, and rolled bars

## Applications:

- Electrical switches
- Spring applications
- Thermal properties
- Resistance to stress relaxation

## Supplied Forms:

- Rolled bars

## Features:

- Brushed surface finish available
- Corrosion resistance

