

# TECHNICAL SHEET

## Brass Brazing Rods HS221

**BEIDUO® Alloys**

Providing Complete Brazing, Soldering & Welding

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### Classification

HS221

S221

SW221

### Chemical Composition: %

| Cu | Sn  | Si  | Zn      | Other |
|----|-----|-----|---------|-------|
| 60 | 1.0 | 0.3 | Balance | 0.5   |

### Mechanical and physical properties

Working temperature: 900 °C

Melting range: 875 - 890 °C

Density: 8.4 g/cm<sup>3</sup>

Tensile strength: 350 N/mm<sup>2</sup>

Elongation: 35 %

Hardness: about 110 BHN

### Joining process

Acetylene torch, induction and resistance heating

### Description and Applications

Brazing alloy with good flowing properties, hardly sensitive to overheating.

Suitable for gap brazing and coating of steel, cast iron, malleable cast iron, nickel and nickel alloys as well as copper and copper alloys with a solidus of > 900 °C.

### Availability

Rods:  $\phi$  1.5-5.0mm Length: 1000mm

Wire:  $\phi$  0.8, 1.0, 1.2, 1.6mm on spools D300

Other dimensions are available upon request

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