

TECHNICAL SHEET

Brass Brazing Rods HS221

BEIDUO® Alloys

Providing Complete Brazing, Soldering & Welding

000006

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/cm³

Tensile strength: 350 N/mm²

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: ϕ 1.5-5.0mm Length: 1000mm

Wire: ϕ 0.8, 1.0, 1.2, 1.6mm on spools D300

Other dimensions are available upon request

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