

# TECHNICAL SHEET



## Ag5

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### Product name

Ag5

### Class of product

Silver based brazing alloy, cadmium free

### Corresponding standards

DIN8513 L-Ag5

EN1044 AG 208

AWS A5.8-04 ---

### Nominal composition (weight %)

Ag: 5

Cu: 55

Zn: 40

Si: 0,05 – 0, 25

### Physical characteristics

Melting range (Solids – Liquids): 820 – 890 °C

Brazing temperature: 900 °C

Density: 8,4 g/cm<sup>3</sup>

Tensile Strength: 48 kg / mm<sup>2</sup>

### Range of application:

Ag5 is a cadmium-free, silver brazing alloy, with very high melting point.

It is usually used to join ferrous metals and steels.

Its low fluidity enables Ag5 to be used in conditions where joint clearances are large and/or not uniform.

Due to its high melting point can be successfully used for the step-brazing technique.

Thanks to the addition of silver, Ag5 also exhibits better ductility properties when compared to brass (Cu-Zn) alloys.

When brazing in an oxidizing environment a proper high-temperature flux, such as AG5 or BR1, should be used.

### Characteristics Make-up:

Rods: Ø 0,5      4,0 mm Length: 500 / 1.000 mm

Flux Coated Rods: Ø 1,5      3,0 mm

Wires: Ø 0,25      3,0 mm (spooled and coiled)

Rings

Performs from Wire

Pastes & Powders

Other dimensions are available upon request

The above data are subject to change without notice by Spring.

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