

# TECHNICAL SHEET



## Ag44

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### Product name

Ag44

### Class of product

Silver based brazing alloy, cadmium-free

### Corresponding standards

DIN8513 L-Ag44

EN1044 AG 203

### Nominal composition (weight %)

Ag: 44

Cu: 30

Zn: 26

### Physical characteristics

Melting range (Solids – Liquids): 670 – 730 °C

Brazing temperature: 740 °C

Density: 9,1 g/cm<sup>3</sup>

Tensile Strength: 51 kg / mm<sup>2</sup>

### Range of application:

Ag44 is a cadmium-free, silver brazing alloy with good flow characteristics.

It can be used to join ferrous, non ferrous and dissimilar metals and alloys with close joint clearances, such as steel, copper, copper alloys, nickel, nickel alloys.

Joints made with Ag44 exhibit excellent tensile strength.

Brazing procedures range from manual to induction techniques.

When brazing in an oxidizing environment a proper flux should be used.

Typical applications are in the carbide and diamond tipped tools, automotive, electric, air conditioning and refrigeration industries.

### 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)

Strips: Thickness: 0,1    1 mm Width: 1,5    65 mm

Rings

Performs from Wire and from Strip

Pastes & Powders

Other dimensions are available upon request

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

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