

# TECHNICAL SHEET



## Ag34Cd

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### Product name

Ag34Cd

### Class of product

Silver based brazing alloy, cadmium bearing

### Corresponding standards

DIN8513 L-Ag34Cd

EN1044 AG 305

AWS A5.8-04 BAg-2

### Nominal composition (weight %)

Ag: 34

Cu: 22

Zn: 24

Cd: 20

### Physical characteristics

Melting range (Solids – Liquids): 610 – 670 °C

Brazing temperature: 680 °C

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

Tensile Strength: 40 kg / mm<sup>2</sup>

### Range of application:

Ag34Cd is a general purpose, cadmium-bearing silver brazing alloy, with low melting point and with good flow properties.

It can be used to join ferrous, non ferrous and dissimilar metals and alloys, such as steel, copper, copper alloys.

Brazing techniques range from manual, to induction and oven.

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

Due to the content of Cadmium special safety precautions must be followed during brazing operations (e.g., avoid of overheating, use of mechanical ventilation, wear of respiratory masks).

### 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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