

40% SILVER RODS (BARE OR COATED RODS)

Item #	EAN	Type	Dimensions
867845	3660338217586	Bare rods	Ø1,5 MM x 25 Units
867846	3660338217593	Bare rods	Ø2,0 MM x 12 Units
867848	3660338217609	Coated rods	Ø1,5 MM x 18 Units
867849	3660338217616	Coated rods	Ø2,0 MM x 10 Units

Description

Very widely used Cadmium free alloy which main elements are: Copper, Zinc, high Silver (40%) and Tin. Silver and Tin contents lowers the melting point, increases fluidity and exhibits good wetting properties. Its excellent fluidity makes it suitable in closely fitting joints as able to penetrate tight gaps. It offers very good performance in terms of operating and makes it suited for delicate assemblies with tight clearances. Offers good mechanical properties and corrosion resistance. The rods are available in bare rods or in coated rods. To be used with our FLUX **867853**.

Operating temperature for brazed joint is approx. -200°C to +200°C (without loss in strength).

Applications

Can be used for brazing any Steels, Copper and copper-based alloys, stainless steels, as well for Nickel and Nickel based alloys. Can be used for brazing with flame or induction brazing procedures (except coated forms). Typical applications are found e.g. in HVAC, automotive, food and sanitary, electric industry, household and healthcare sectors.

Specifications

Alloy	Working Temperature (°C)	NF EN ISO 17672 (2016-11)	AWS A-5.8	DIN 8513	EN ISO 3677	AMS
Ag-Cu-Zn-Sn	690	Ag 140Si	BAg-28	-	B-Ag40CuZnSn(Si)-650/710	-

Typical Chemical compositions (%)

Ag	Cu	Zn	Sn	Al	Bi	Cd	Si*	P	Pb	Max impurities
40.00	30.00	28.00	1.90	<0.001	<0.03	<0.01	0.10	<0.008	<0.025	<0.15

Typical Physical Properties

Colour	Solidus (°C)	Liquidus (°C)	Density g/cm ³	Elongation %	Tensile strength (MPa)	Electrical Conductivity (%IACS)	Electrical Resistivity (Micro-ohm-cm)
Silver - Yellow	650	710	9.1	17 %	500	18.20	9.75