

## Brazing Alloy J0510P

Composition (wt %)									ISO 17672	AWS
Ag	Cu	Zn	Mn	Ni	Sn	Si	P	Altro		
5	89	-	-	-	-	-	6	-	CuP 281	BCuP-3

### Technical data

Density	8,2 g/cm <sup>3</sup>
Melting range	645-815 °C
Shear strength	-
Tensile strength	-
Recommended joint gap	0,05-0,2 mm
Maximum operating temperature of brazed joint	-50/150 °C

### Applications

Silver-Copper-Phosphorus brazing alloy commonly employed to braze copper and copper-based materials. It shows excellent flow properties; joints generally present a very good tensile strength. However, joint strength depends on various factors: type of base metals to be joined, type of joint, joint gap, etc. This brazing alloy is not recommended to join ferrous or nickel-containing metals. To avoid corrosion, the joint should not be exposed to sulphurous atmospheres. Heat sources commonly employed are flame, induction heating system and furnace under protective atmospheres.

### Standard forms and dimensions

Product	Feasibility
Wire	-
Strip	-
Rods	✓
Coated rods	-
Rings	-

### Recommended fluxes

-

### Note

Silver brazing alloys and dimensions other than those listed in our catalogue are available upon request.

Details included in this technical data sheets are based on our knowledge and experience and are believed to be accurate. All data in this data sheet are merely recommendations and shall not be regarded as an assurance of any properties of the product. *We do not assume any responsibility* and make *no warranty* with respect to the *results* that may be *obtained* and the damages that may occur from the use of the information provided.

Since end use of the product is not under our direct control, it is the user's responsibility to comply with applicable safety and hygiene laws and regulations.