

Titanium and alloys

July 2016 - rev.1.0

ARCAP AP 1D

DIN CuNi25Zn12

CHEMICAL COMPOSITION %

Cu %	Ni%	Mn%	Pb %	Sn%	Fe%	Zn%
59,00	23,00	Max	0,80	Max	Max	balance
63,00	26,00	0,50	1,10	0,60	0,25	

USES AND APPLICATIONS

ARCAP AP 1D is a ferrous Cu-Ni-Zn alloy. Good machinability, high magnetic property and good corrosion resistance, especially in seawater.

Suitable for the production of optical fiber connectors, but also for watchmaking parts.

EXECUTIONS

Diameters	1.00 - 15.00 mm
Tolerances	ISO h9 up to ISO h7
Delivery conditions	in cold drawn or ground bars 3m and Coils and profiles

MECHANICAL PROPERTIES

Tensile Strength	550 - 750 N/mm ² , depends on diameter
Heat treatment	soft anneal: 750 - 800°C, 15 - 60 min in inert atm stress relieved anneal: 300°C, 1h in inert atm
Cutting speed	100 - 140 m/min
Lubrificant-cooling fluid i.e.	INOX or ORTHO Motorex

OTHER INFORMATION

Diagrams, treatment tabs or other information on request.