TECHNICAL SHEET

Cu58ZnMnCo2



No.:000283

Classification

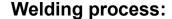
Copper based high temperature brazing alloy Cu58ZnMnCo2

Chemical Composition: %

Cu	Zn	Mn	Со	Other
Balance	38	2	2	0.30

Mechanical and physical properties

Working temperature: 950 °C Melting range: 880-930 °C Specific gravity: 8.2 g/cm³



Brazing

Description and Applications

It is suitable to join steels, stainless steels, tool steels, nickel alloys and cemented carbides. The alloys exhibits good ductility and high temperature strength.

Brazing procedures range from torch to induction. Because of its high zinc content the alloys is only marginally suited to furnace brazing.

The use of a proper high temperature flux is necessary.

Typical application of Cu58ZnMnCo2 are in the drilling tools sector for joining tool steel shanks to carbide bits, combining the brazing operation with the heat treatment of the tool steel body.

Availability

Rods: \$\phi\$1.5-5.0mm Max.Length: 15mm-1000mm

Wire: Φ 1.2, 1.6mm on spools or coil wire Other dimensions are available upon request