



# TIG CUNI30

Old reference: TIG CuNi30

## Classification

ISO 24373 : S Cu 7158 (CuNi30Mn1FeTi)      Material.N°: 2.0837  
 AWS A5.7 : ERCuNi

## Description & Applications

Solid rod for TIG welding of different Copper-Nickel types as Cu/Ni70.30, 80.20 and 90.10.

**Main applications:** For offshore applications, seawater desalination plants, for ship building, in the chemical industry.

### Base materials:

UNS	Alloy	DIN	Material N°
C70600	CuNi90/10	CuNi10Fe1Mn	2.0872
	CuNi80/20	CuNi20Fe	2.0878
C71500	CuNi70/30	CuNi30Mn1Fe	2.0882

## Typical Chemical Composition ( % )

Mn	Fe	Si	Ni	P	Pb	Ti	Cu
0.7	0.6	<0.2	30.0	<0.02	<0.02	0.4	Rem.

## All Weld Metal Mechanical Properties

R <sub>p0.2</sub> ( MPa )	R <sub>m</sub> ( MPa )	A <sub>5</sub> ( % )
240	400	32

## Welding Current & Instructions

Welding mode	Shielding Gas
TIG = -	Ar : 5-10 l/min Argon / He : 5-10 l/min

ind.10



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