CEWELD NiTi3 Tig

certilas® THE FILLER METAL SPECIALIST

TYPE

Solid Nickel based filler metal for TIG welding.

APPLICATIONS

CEWELD® NiTi 3 is developed for welding and cladding Nickel 200 and Nickel 201. This alloy is also suited for surfacing of steel. Dissimilar welding applications of filler metal NiTi 3 include joining Nickel 200 and 201 to stainless steels, copper-nickel alloys, and Monel alloys. It is also used for joining Monel alloys and copper-nickel alloys to carbon steels, and for joining copper-nickel alloys to Inconel en Incoloy alloys.

PROPERTIES

The reaction of titanium with carbon maintains a low level of free carbon and enables the filler metal to be used with Nickel 201. The weld metal has good corrosion resistance, particularly in alkali's.

CLASSIFICATION

AWS	A 5.14: ERNi-1
EN ISO	18274: S Ni 2061(NiTi3)
F-nr	41
FM	6

SUITABLE FOR

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UNS Nr: N 02200 - N 02201
DIN 17742: Ni 99.6, Ni 99.2, LC-Ni99.6, LC-Ni99
2.4060 - 2.4061 - 2.4066- 2.4068

APPROVALS

No Approvals Found

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	P	S	Ni	Ti	Fe	Cu
0.09	0.5	0.7	0.01	0.008	96	3	0.2	0.1

ALL WELD MECHANICAL PROPERTIES

Heat Treatment	$R_{P0,2}$ MPa	Rm MPa	A5 (%)	Impact Energy (J) ISO-V RT
As Welded /	200	420	30	120

REDRYING TEMPERATURE

Not required

GAS ACCORDING EN 14175

I1

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NITI3 TIG 1,6 X 914MM	Type	KG/unit	EANCode
	Tube	4,54	8720663417749

NITI3 TIG 2,0 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663417756

NITI3 TIG 2,4 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663417763

NITI3 TIG 3,2 X 914MM	Type	KG/unit	EANCode
	Tube	4,54	8720663417770