



# CEWELD NiTi3 Tig

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	<b>Ni 2061 (NiTi3)</b> <b>W.Nr:</b> 2.4060, 2.4061, 2.4062, 2.4066, 2.4068, 2.4106, 2.4108, 2.4109, 2.4110, 2.4116, 2.4122, 2.4128, 2.4170, 2.4175 Ni 99.6 ; Ni 99.2 ; LC-Ni99.6 ; LC-Ni99, Ni99.4Fe, NiMn1, NiMn1C, NiMn1,5, NiMn2, NiMn3Al, NiMn5, NiAl4Ti, G-Ni95, G-Ni93C <b>ASTM</b> B160, B161, B162, B163 <b>UNS:</b> N02200, N02201, N02205 <b>Alloy:</b> 200, 201, 205, Monell																			
APPROVALS	No Approvals Found																			
WELDING POSITIONS																				
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>P</th> <th>S</th> <th>Ni</th> <th>Ti</th> <th>Fe</th> <th>Cu</th> </tr> </thead> <tbody> <tr> <td>0.09</td> <td>0.5</td> <td>0.7</td> <td>0.01</td> <td>0.008</td> <td>96</td> <td>3</td> <td>0.2</td> <td>0.1</td> </tr> </tbody> </table>		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
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ALL WELD MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Heat Treatment</th> <th>R<sub>P0,2</sub> MPa</th> <th>R<sub>m</sub> MPa</th> <th>A<sub>5</sub> (%)</th> <th>Impact Energy (J) ISO-V RT</th> </tr> </thead> <tbody> <tr> <td>As Welded /</td> <td>200</td> <td>420</td> <td>30</td> <td>120</td> </tr> </tbody> </table>		Heat Treatment	R <sub>P0,2</sub> MPa	R <sub>m</sub> MPa	A <sub>5</sub> (%)	Impact Energy (J) ISO-V RT	As Welded /	200	420	30	120								
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As Welded /	200	420	30	120																
REDRYING TEMPERATURE	Not required																			
GAS ACCORDING EN 14175	I1																			



# CEWELD NiTi3 Tig

NIT13 TIG 1,6 X 914MM

Type	KG/unit	EANCode
Tube	4,54	8720663417749

NIT13 TIG 2,0 X 1000MM

Type	KG/unit	EANCode
Tube	5	8720663417756

NIT13 TIG 2,4 X 1000MM

Type	KG/unit	EANCode
Tube	5	8720663417763

NIT13 TIG 3,2 X 914MM

Type	KG/unit	EANCode
Tube	4,54	8720663417770