







CEWELD E NiTi3

TYPE	Nickel based welding electrode for welding pure nickel						
APPLICATIONS	CEWELD E NiTi3 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 NiTi3 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 or Incoloy Alloys. Mainly used where good behaviour under corrosion and temperature is demanded.						
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 5.11: E Ni-1					
	EN ISO	14172: E Ni 2061					
	F-nr	41					
	FM	6					
	W.Nr.	2.4156					
SUITABLE FOR	Pure nickel, nickel clad steel, copper to unalloyed or stainless steel, nickel to steel, Nickel alloy 200 - Nickel 201, Monel W.Nr: 2.4066, 2.4068, 2.4061, 2.4060, 2.4050, 2.4062, 2.4106, 2.4110, 2.4122, 2.4116, 2.4128 Ni 99.6 ; Ni 99.2 ; LC-Ni99.6 ; LC-Ni99, Ni99.4Fe, NiMn1, NiMn2, NiMn3Al, NiMn5 UNS: N 02200 - N 02201.						
APPROVALS	No Approvals Found						
WELDING POSITIONS	<div> PA</div> <div> PB</div> <div> PC</div> <div> PD</div> <div> PE</div> <div> PF</div>						
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	C	Si	Mn	Ni	Ti	Fe	Cu
	0.08	1	0.6	96	3	0.5	0.1
ALL WELD MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} MPa	R _m MPa	A5 (%)	Impact Energy (J) ISO-V RT		
	As Welded /	330	510	28	160		
REDRYING TEMPERATURE	Not required						
GAS ACCORDING EN 14175							



CEWELD E NiTi3

E NITi3 2,5 X 350MM

Type	KG/unit	EANCode
Can	2,27	8720663419156

E NITi3 3,2 X 350MM

Type	KG/unit	EANCode
Can	2,27	8720663419163

E NITi3 4,0 X 350MM

Type	KG/unit	EANCode
Can	2,27	8720663417671