

CEWELD NiTi3

TYPE Solid Nickel based filler metal for MAG welding.

APPLICATIONS CEWELD® 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 and 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)
W.Nr.	2.4155
F-nr	41
FM	6

SUITABLE FOR

Ni 2061 (NiTi3)
W.Nr: 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
ASTM B160, B161, B162, B163
UNS: N02200, N02201, N02205
Alloy: 200, 201, 205, Monell

APPROVALS

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

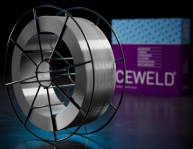
C	Si	Mn	Ni	Ti	Al
0.1	0.5	0.5	96	3	0.9

MECHANICAL PROPERTIES

Heat Treatment	Rp0,2 (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V		Hardness
				RT		
As Welded	200	420	30	120		HRc

REDRYING Not required

GAS ACC. EN ISO 14175 I1



CEWELD NiTi3

NIT3 0,8MM	Packaging	KG/unit	EanCode
	BS-300	15	8720663417695

NIT3 1,0MM	Packaging	KG/unit	EanCode
	BS-300	15	8720663417701

NIT3 1,2MM	Packaging	KG/unit	EanCode
	BS-300	15	8720663417725
	BS-300	15	8720663417718

NIT3 1,6MM	Packaging	KG/unit	EanCode
	BS-300	15	8720663417732