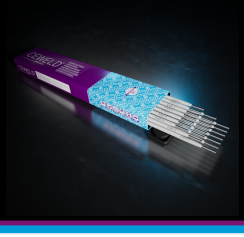


CEWELD E NiTi3

certilas® THE FILLER METAL SPECIALIST

TYPE

Nickel based basic stickelectrode for welding pure nickel

APPLICATIONS

CEWELD® E NiTi3 has been developed for welding and cladding nickel 200 and nickel 201. This alloy is also suitable for cladding steel. 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. It is mainly used where good corrosion and temperature behavior is required.
CEWELD® E NiTi3 applications pressure vessel and apparatus construction, in the chemical industry, the food industry and in the energy industry.

PROPERTIES

Due to the reaction of titanium with carbon, the proportion of free carbon remains low, so that **CEWELD® E NiTi3** can be used for nickel 201. The weld metal has good corrosion resistance, especially in alkalis.

CLASSIFICATION

AWS	A 5.11: E Ni-1
EN ISO	14172: E Ni 2061
W.Nr.	2.4156
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 WELD METAL (%)

C	Si	Mn	Ni	Ti	Fe	Cu
0.08	1	0.6	Rem.	3	0.5	0.1

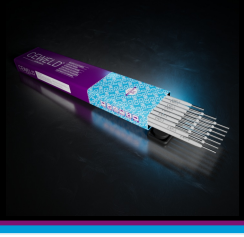
MECHANICAL PROPERTIES

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V	Hardness
				RT	
As Welded	330	510	28	160	HRc

REDRYING

300°C / 2 hr

GAS ACC. EN ISO 14175



CEWELD E NiTi3

E NITI3 2,5 X 350MM

Packaging	KG/unit	EanCode
Can	2,27	8720663419156

E NITI3 3,2 X 350MM

Packaging	KG/unit	EanCode
Can	2,27	8720663419163

E NITI3 4,0 X 350MM

Packaging	KG/unit	EanCode
Can	2,27	8720663417671