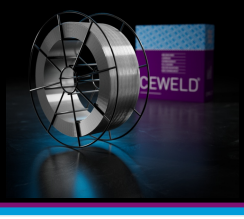


CEWELD NiTi3

certilas® THE FILLER METAL SPECIALIST

TYPE

Solid Nickel based filler metal for MAG welding.

TOEPASSINGEN

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.

EIGENSCHAPPEN

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.

CLASSIFICATIE

AWS	A 5.14: ERNi-1
EN ISO	18274: S Ni 2061(NiTi3)
W.Nr.	2.4155
F-nr	41
FM	6

GESCHIKT VOOR

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

GOEDKEURINGEN

LASPOSITIES

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

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

MECHANISCHE WAARDEN

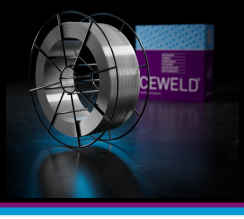
Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V	Hardness
				RT	
As Welded	200	420	30	120	HRc

HERDROGEN

Not required

GAS ACC. EN ISO 14175

I1



CEWELD NiTi3

NITI3 0,8MM

Packaging	KG/unit	EanCode
BS-300	15	8720663417695

NITI3 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663417701

NITI3 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663417725
BS-300	15	8720663417718

NITI3 1,6MM

Packaging	KG/unit	EanCode
BS-300	15	8720663417732