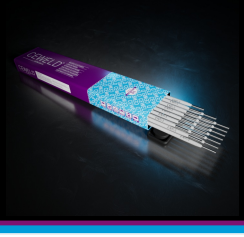


# CEWELD E NiTi3

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 |
| F-nr | 41 |
| FM | 6 |
| W.Nr. | 2.4156 |

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

No Approvals Found

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 |

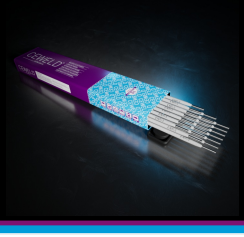
ALL WELD MECHANICAL PROPERTIES

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

REDRYING TEMPERATURE

300°C / 2 hr

GAS ACCORDING EN 14175



# CEWELD E NiTi3

certilas® THE FILLER METAL SPECIALIST

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 |