

# CEWELD ERTi-2

**TYPE** Titanium Tig welding wire grade 2

**APPLICATIONS** CEWELD ERTi-2 is developed for welding Titanium grade 1, 2, 3 and 4. This alloy finds his applications in chemical industry and offers excellent Weldability.

**PROPRIÉTÉS** The weld deposit is ductile and offers excellent corrosion resistance in oxidizing environments. The unique combination of mechanical strength and corrosion resistance makes the alloy a preferred choice in many applications to prevent or solve problems. The wire is cleaned in a very special way to obtain porosity free and a ductile weld deposit.

**CLASSIFICATION**

|        |                           |
|--------|---------------------------|
| AWS    | A 5.16: ERTi-2            |
| EN ISO | 24034: S Ti 0120 / Ti99,6 |
| W.Nr.  | 3.7036                    |
| F-nr   | 51                        |

**CONVIENT POUR** Titanium grade 1, 2, 3 and 4.  
3.7025, 3.7031, 3.7035, 3.7051

**AGRÉMENTS**

**POSITIONS DE SOUDAGE**



**ANALYSE CHIMIQUE**  
TYPIQUE DU MÉTAL  
D'APPORT (%)

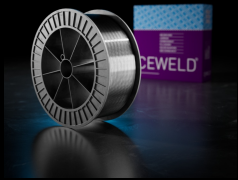
| C     | H     | N     | O     | Fe    | Ti   |
|-------|-------|-------|-------|-------|------|
| 0.007 | 0.002 | 0.002 | 0.094 | 0.028 | Rem. |

**PROPRIÉTÉS MÉCANIQUES**

| Heat Treatment | R <sub>p0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A5 (%) | Hardness |
|----------------|-------------------------|----------------------|--------|----------|
| As Welded      | 275                     | 395                  | 20     | HRc      |

**ETUVAGE** Not required

**GAS ACC. EN ISO 14175** I1



# CEWELD ERTi-2

## ERTI-2 0,8MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| D-100     | 0,75    | 8720663406408 |
| D-300     | 10      | 8720663406392 |

## ERTI-2 1,0MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| D-300     | 10      | 8720663406415 |

## ERTI-2 1,2MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| D-300     | 10      | 8720663406422 |

## ERTI-2 1,6MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| D-300     | 10      | 8720682051061 |