



# CEWELD ERTi-1 Tig

|               |   |     |                |        |                           |       |        |      |    |
|---------------|---|-----|----------------|--------|---------------------------|-------|--------|------|----|
| TYPE          | Solid Titanium welding wire Grade 1 (purest grade)  |     |                |        |                           |       |        |      |    |
| TOEPASSINGEN  | CEWELD ERTi-1 Grade 1 is the lowest strength unalloyed (or Commercially Pure-CP) grade. Grade 1 is used in applications where ductility is paramount, such as explosive cladding, loose linings, expanded metal, and deep drawing applications. It is also used in electrolytic applications like coated anode substrates for production of chlorine and sodium chlorate. |     |                |        |                           |       |        |      |    |
| EIGENSCHAPPEN | The weld deposit is ductile and offers excellent corrosion resistance in oxidizing environments. The purity 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 deposits.   |     |                |        |                           |       |        |      |    |
| CLASSIFICATIE | <table border="0"> <tr> <td>AWS</td> <td>A 5.16: ERTi-1</td> </tr> <tr> <td>EN ISO</td> <td>24034: S Ti 0100 / Ti99,8</td> </tr> <tr> <td>W.Nr.</td> <td>3.7026</td> </tr> <tr> <td>F-nr</td> <td>51</td> </tr> </table>  | AWS | A 5.16: ERTi-1 | EN ISO | 24034: S Ti 0100 / Ti99,8 | W.Nr. | 3.7026 | F-nr | 51 |
| AWS           | A 5.16: ERTi-1  |     |                |        |                           |       |        |      |    |
| EN ISO        | 24034: S Ti 0100 / Ti99,8   |     |                |        |                           |       |        |      |    |
| W.Nr.         | 3.7026  |     |                |        |                           |       |        |      |    |
| F-nr          | 51  |     |                |        |                           |       |        |      |    |

**GESCHIKT VOOR** 3.7025, ~3.7035, ~3.7065  
Titan Grade 1,  
**ER Ti-1** is the purest grade and is suitable for welding Titanium grade 1, 2, 3 and 4. With the restriction that the mechanical properties are much less than Grade 2, 3 and 4.

**GOEDKEURINGEN**

**LASPOSITIES**



**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

| C    | H     | N    | O    | Fe   | Ti   |
|------|-------|------|------|------|------|
| 0.02 | 0.003 | 0.01 | 0.03 | 0.02 | Rem. |

**MECHANISCHE WAARDEN**

| Heat Treatment | R <sub>P0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A <sub>5</sub> (%) | Hardness |
|----------------|-------------------------|----------------------|--------------------|----------|
| As Welded      | 250                     | 320                  | 24                 | HRc      |

**HERDROGEN** Not required

**GAS ACC. EN ISO 14175** 11



# CEWELD ERTi-1 Tig

|                         |           |         |               |
|-------------------------|-----------|---------|---------------|
| ERTI-1 TIG 1,2 X 1000MM | Packaging | KG/unit | EanCode       |
|                         | Tube      | 2,5     | 8720663406330 |
| ERTI-1 TIG 1,6 X 1000MM | Packaging | KG/unit | EanCode       |
|                         | Tube      | 2,5     | 8720663406347 |
| ERTI-1 TIG 2,0 X 1000MM | Packaging | KG/unit | EanCode       |
|                         | Tube      | 2,5     | 8720663406354 |
| ERTI-1 TIG 2,4 X 1000MM | Packaging | KG/unit | EanCode       |
|                         | Tube      | 2,5     | 8720663406361 |