
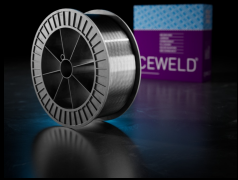


CEWELD ERTi-5

| | | | | | | | | |
|--|---|-----------------------------|----------------------------|-------------------------|-----------|----------|------|------|
| TYPE | Titanium Tig welding wire grade 5 | | | | | | | |
| APPLICATIONS | Aerospace, marine, chemical plants, process plants, power generation, oil and gas extraction, medical and sports. | | | | | | | |
| PROPRIÉTÉS | Excellent weldability, and can be heat treated to a higher strength or toughness. Grade 5 is used in aircraft components such as landing gear, wing spars, and compressor blades. Its corrosion resistance is generally comparable to Grade 2 and it is often used in corrosion service where higher strength is required, particularly in shafts, high strength bolting, and keys. 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-5 | | | | | | |
| | EN ISO | 24034: S Ti 6402 / TiAl6V4B | | | | | | |
| | F-nr | 51 | | | | | | |
| CONVIENT POUR | Titanium grade 5, UNS R56400, AMS 4954 | | | | | | | |
| AGRÉMENTS | | | | | | | | |
| POSITIONS DE SOUDAGE |  | | | | | | | |
| ANALYSE CHIMIQUE TYPIQUE DU MÉTAL DE SOUDURE (%) | C | V | H | N | O | Fe | Al | Ti |
| | 0.023 | 4.11 | 0.0029 | 0.011 | 0.088 | 0.1 | 6.11 | Rem. |
| PROPRIÉTÉS MÉCANIQUES | Heat Treatment | | R _{P0,2} (MPa) | R _m (MPa) | A5 (%) | Hardness | | |
| | As Welded | | 810 | 890 | | HRc | | |
| ETUVAGE | Not required | | | | | | | |
| GAS ACC. EN ISO 14175 | I1 | | | | | | | |



CEWELD ERTi-5

ERTI-5 0,8MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| D-300 | 10 | 8720663406514 |

ERTI-5 1,0MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| D-300 | 10 | 8720663406521 |

ERTI-5 1,2MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| D-300 | 10 | 8720663406538 |