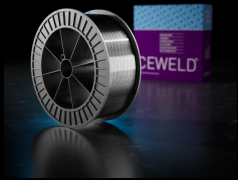


# CEWELD ERTi-5

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                             |                            |                         |           |          |      |      |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------|-------------------------|-----------|----------|------|------|
| 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<br>TYPIQUE DU MÉTAL DE<br>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 <sub>P0,2</sub><br>(MPa) | R <sub>m</sub><br>(MPa) | A5<br>(%) | 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 |