

# CEWELD ERTi 10-2-3

**TYPE** Titanium Tig welding wire grade 10-2-3.(UNS R6410)

**ANWENDUNGEN** CEWELD Ti 10-2-3 is developed for high-strength, deep-hardenable forging alloys used for airframes and engines.  
Current applications for CEWELD Ti 10-2-3 include numerous aircraft components, including landing gear components for Aerospace, Oil & Gas, Automotive, Marine, Chemical Processing, Medical Devices

**EIGENSCHAFTEN** CEWELD Ti 10-2-3 is metallurgically a near-beta alloy. It offers an excellent strength-toughness combination. CEWELD Ti 10-2-3 has a very high fatigue strength and is well suited for safe-life constructions. CEWELD Ti 10-2-3 has improved corrosion resistance for parts that need to withstand corrosion or saltwater.

**KLASSIFIKATION**

**GEEIGNET FÜR** AMS 4983, AMS 4984, AMS 4986, AMS 4987.

**ZULASSUNGEN**

**SCHWEISSPOSITIONEN**



**TYPISCHE CHEMISCHE  
ANALYSE DES  
SCHWEISSMETALLS (%)**

| C     | O    | N    | H     | V  | Ti   | Fe  | Al |
|-------|------|------|-------|----|------|-----|----|
| 0.015 | 0.07 | 0.01 | 0.005 | 10 | Rem. | 1.8 | 3  |

**MECHANISCHE GÜTEWERTE**

| Heat Treatment | R <sub>P0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A <sub>5</sub> (%) | Hardness |
|----------------|-------------------------|----------------------|--------------------|----------|
| 580°C±15°C 8h  | 1070                    | 1190                 | 12                 | HRc      |

**RÜCKTROCKNUNG** Not required

**SOLUTION HEAT TREATMENT** 50°-100°F (28°-56°C) below beta Treatment transus for a minimum of 30 minutes, then water quench (air cool may be used for parts less than 1 inch [2.5cm] thick)

**GAS ACC. EN ISO 14175** I1