

# CEWELD ERTi 10-2-3

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

**APPLICATIONS** 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

**PROPRIÉTÉS** 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.

## CLASSIFICATION

**CONVIENT POUR** AMS 4983, AMS 4984, AMS 4986, AMS 4987.

## AGRÉMENTS

## POSITIONS DE SOUDAGE



## ANALYSE CHIMIQUE TYPIQUE DU MÉTAL DE SOUDURE (%)

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

## PROPRIÉTÉS MÉCANIQUES

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

## ETUVAGE

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

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