

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 _{P0,2} (MPa)	R _m (MPa)	A5 (%)	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 I1