

# CEWELD ERTi-7

**TYPE** Titanium Tig welding wire grade 7

**APPLICATIONS** Grade 7 is often used in the aerospace industry because of its favorable weight/strength ratio. Also, in petrochemical, pharmaceutical, heat exchangers, pipes and valves.

**PROPRIÉTÉS** Grade 7 has better corrosion resistance than grade 2 due to the addition of 0.12-0.25% palladium, mechanical properties are similar to grade 2. The deposit is ductile and provides 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 provide a porous and ductile weld deposit.

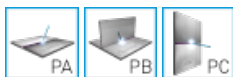
**CLASSIFICATION**

AWS	A 5.16: ERTi-7
EN ISO	24034: S Ti 2401 / TiPd0,2A
F-nr	51

**CONVIENT POUR** Titanium grade 7, Grade 2, Grade 16  
Alloy group 24 ( 2401, 2403, 2405)

**AGRÉMENTS**

**POSITIONS DE SOUDAGE**



**ANALYSE CHIMIQUE  
TYPIQUE DU MÉTAL  
D'APPORT (%)**

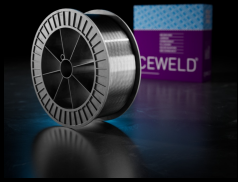
C	H	O	Fe	Pd	Ti
0.02	0.005	0.1	0.1	0.2	Rem.

**PROPRIÉTÉS MÉCANIQUES**

Heat Treatment	R <sub>p0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Hardness
As Welded	275	345	20	HRc

**ETUVAGE** Not required

**GAS ACC. EN ISO 14175** I1



# CEWELD ERTi-7

ERTI-7 1,0MM

Packaging	KG/unit	EanCode
D-300	10	8720663406613

ERTI-7 1,2MM

Packaging	KG/unit	EanCode
D-300	10	8720663406590