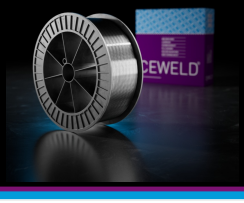


CEWELD ERTi-5

certilas® THE FILLER METAL SPECIALIST

TYPE	Titanium Tig welding wire grade 5
APPLICATIONS	Aerospace, marine, chemical plants, process plants, power generation, oil and gas extraction, medical and sports.
PROPERTIES	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 prefent 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

SUITABLE FOR: Titanium grade 5, UNS R56400, AMS 4954

APPROVALS

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

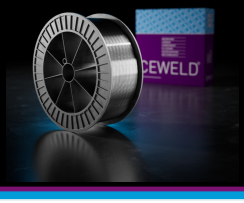
C	V	H	N	O	Fe	Al	Ti
0.023	4.11	0.0029	0.011	0.088	0.1	6.11	Rem.

MECHANICAL PROPERTIES

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness
As Welded	810	890		HRc

REDRYING: 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