



CEWELD ERTi-5 Tig

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 prevent or solve problems. The wire is cleaned in a very special way to obtain porosity free and a ductile weld deposit.								
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.16: ERTi-5</td> </tr> <tr> <td>EN ISO</td> <td>24034: S Ti 6402 / TiAl6V4B</td> </tr> <tr> <td>W.Nr.</td> <td>3.7165</td> </tr> <tr> <td>F-nr</td> <td>51</td> </tr> </table>	AWS	A 5.16: ERTi-5	EN ISO	24034: S Ti 6402 / TiAl6V4B	W.Nr.	3.7165	F-nr	51
AWS	A 5.16: ERTi-5								
EN ISO	24034: S Ti 6402 / TiAl6V4B								
W.Nr.	3.7165								
F-nr	51								
SUITABLE FOR	3.7164, 3.7165 Titanium grade 5, UNS R56400, AMS 4954, TiGr5, Ti6Al4V, AMS4911								

APPROVALS

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

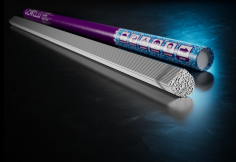
C	V	H	N	O	Al	Ti
0.02	4	0.01	0.01	0.18	6.2	Rem.

MECHANICAL PROPERTIES

Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
As Welded	810	890		HRc

REDRYING Not required

GAS ACC. EN ISO 14175 I1



CEWELD ERTi-5 Tig

ERTI-5 TIG 1,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	2,5	8720663406545
ERTI-5 TIG 1,2 X 1000MM	Packaging	KG/unit	EanCode
	Tube	2,5	8720663406552
ERTI-5 TIG 1,6 X 1000MM	Packaging	KG/unit	EanCode
	Tube	2.5	8720663406569
ERTI-5 TIG 2,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	2,5	8720663406576
ERTI-5 TIG 2,4 X 1000MM	Packaging	KG/unit	EanCode
	Tube	2,5	8720663406583