



CEWELD ERTi-1 Tig

TYPE	Solid Titanium welding wire Grade 1 (purest grade). ERTi-1														
APPLICATIONS	CEWELD ERTi-1 Tig is the lowest strength unalloyed (or Commercially Pure-CP) grade. Used in applications where ductility is paramount, such as explosive cladding, loose linings, expanded metal, and deep drawing applications. It is also used in electrolytic applications like coated anode substrates for production of chlorine and sodium chlorate. It is the purest grade and is suitable for welding Titanium grade 1, 2, 3 and 4 . With the restriction that the mechanical properties are much less than Grade 2, 3 and 4.														
PROPERTIES	The weld deposit of CEWELD ERTi-1 Tig is ductile and offers excellent corrosion resistance in oxidizing environments. The purity 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 deposits.														
CLASSIFICATION	<table><tr><td>AWS</td><td>A 5.16: ERTi-1</td></tr><tr><td>EN ISO</td><td>24034: S Ti 0100 / Ti99,8</td></tr><tr><td>W.Nr.</td><td>3.7026</td></tr><tr><td>F-nr</td><td>51</td></tr></table>							AWS	A 5.16: ERTi-1	EN ISO	24034: S Ti 0100 / Ti99,8	W.Nr.	3.7026	F-nr	51
AWS	A 5.16: ERTi-1														
EN ISO	24034: S Ti 0100 / Ti99,8														
W.Nr.	3.7026														
F-nr	51														
SUITABLE FOR	3.7025, ~3.7035, ~3.7065 Titan Grade 1, ~Grad2, Grad3, ~ Grad4														
APPROVALS															
WELDING POSITIONS															
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	H	N	O	Fe	Ti	Rem.								
	0.02	0.004	0.01	0.05	0.05	0.05									
MECHANICAL PROPERTIES	Heat Treatment		R _{P0,2} (MPa)	R _m (MPa)	A5 (%)	Hardness									
	As Welded		250	320	24	HRc									
REDRYING	Not required														
GAS ACC. EN ISO 14175	I1														



CEWELD ERTi-1 Tig

ERTI-1 TIG 1,2 X 1000MM

Packaging	KG/unit	EanCode
Tube	2,5	8720663406330

ERTI-1 TIG 1,6 X 1000MM

Packaging	KG/unit	EanCode
Tube	2,5	8720663406347

ERTI-1 TIG 2,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	2,5	8720663406354

ERTI-1 TIG 2,4 X 1000MM

Packaging	KG/unit	EanCode
Tube	2,5	8720663406361