CEWELD ERTi-5 Tig

certilas® THE FILLER METAL SPECIALIST

TYPE

Solid Titanium based welding wire (Grade 5) with extreme high strenght.

ANWENDUNGEN

Aerospace, marine, chemical plants, process plants, power generation, oil and gas extraction, medical and sports.

EIGENSCHAFTEN

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.

KLASSIFIKATION

AWS	A 5.16: ERTi-5
EN ISO	24034: S Ti 6402 / TiAl6V4B
W.Nr.	3.7165
F-nr	51

GEEIGNET FÜR

3.7164, 3.7165
Titanium grade 5,
UNS R56400, AMS 4954, TiGr5, Ti6Al4V, AMS4911

ZULASSUNGEN

SCHWEISSPOSITIONEN

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.

MECHANISCHE GÜTEWERTE

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

RÜCKTROCKNUNG

Not required

GAS ACC. EN ISO 14175

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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