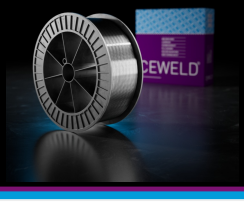


CEWELD ERTi-5

certilas® THE FILLER METAL SPECIALIST

TYPE	Titanium Tig welding wire grade 5
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
F-nr	51

GEEIGNET FÜR: Titanium grade 5, UNS R56400, AMS 4954

ZULASSUNGEN

SCHWEISSPOSITIONEN

TYPISCHE CHEMISCHE ANALYSE DES SCHWEISSMETALLS (%)

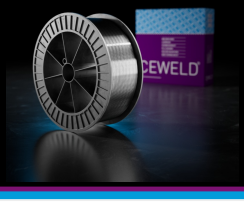
C	V	H	N	O	Fe	Al	Ti
0.023	4.11	0.0029	0.011	0.088	0.1	6.11	Rem.

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: 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