



# CEWELD ERTi-5 Tig

TYPE	Solid Titanium based welding wire (Grade 5) with extreme high strength.																	
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 prevent 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																		
TYPISCHE CHEMISCHE ANALYSE DES FÜLLMETALLS (%)	C 0.02	V 4	H 0.01	N 0.01	O 0.18	Al 6.2	Ti Rem.											
MECHANISCHE GÜTEWERTE	<table><thead><tr><th>Heat Treatment</th><th><math>R_{P0.2}</math> (MPa)</th><th>Rm (MPa)</th><th>A5 (%)</th><th>Hardness</th></tr></thead><tbody><tr><td>As Welded</td><td>810</td><td>890</td><td></td><td>HRc</td></tr></tbody></table>								Heat Treatment	$R_{P0.2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness	As Welded	810	890		HRc
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 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