



ER Ti2 (GRADE 2)

Titanium WIRE/GTAW



Standards

EN/ISO-Standard -24034

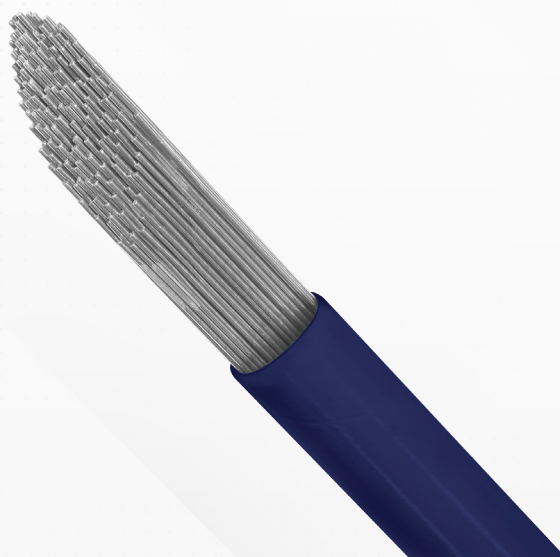
EN/ISO-Classification - S Ti 0120 (Ti99,6)

AWS-Standard - A5.16

AWS-Classification - ER Ti2

Features and Applications

- Solid titanium wire offering a sound combination of mechanical strength and corrosion resistance.
- Widely used in the aircraft industry where tensile strength and weight ratios are very critical.
- Ideal for high temperature creep resistance applications.
- Weld deposit is ductile and provides excellent corrosion resistance in highly oxidising and mildly reducing environments.
- Typically used in the petrochemical industry, aerospace manufacturing and the chemical process industries etc.
- **Test Certificates can be found online @wilkinsonstar247.com**



Approvals

CE, UKCA

Typical Base Materials

Pure titanium and titanium alloys with similar chemical composition; Titanium grades 1-4; UNS R50400H.*

* Illustrative, not exhaustive list

Welding Positions

EN ISO 6947 - PA, PB, PC, PD, PE, PF

Shielding Gases

EN ISO 14175 - TIG: I1 (Argon)

Polarity

DC (-)

Chemical Composition % (Typical)

C %	O %	N %	H %	Fe %	Ti %
0.01	0.12	0.006	0.006	0.06	Rem.

Packaging Data

Part No.	Diameter Ø (mm)	Package Length (mm)	Package Weight (Kg)	Package Type
6031100322	1.60	1000	5	Plastic Tube
6031100324	2.40	1000	5	Plastic Tube

Mechanical Properties

Tensile Strength (N/mm ²)	Yield Strength (N/mm ²)	Elongation (%)	Impact Strength (J)
≥345	≥275	≥20	-

Mechanical properties are approximate and may range based on the heat, shielding gas, welding parameters and other factors.