

## XP ER Ti2 (GRADE 2)

TITANIUM 

### CLASSIFICATIONS

EN ISO 24034	AWS A5.16
S Ti 0120 (Ti99,6)	ERTi2

### KEY FEATURES AND APPLICATIONS

- Solid titanium wire that offers excellent mechanical strength and corrosion resistance.
- Widely used in the aircraft industry because of its tensile strength and weight ratios.
- Ideal for applications needing high-temperature creep resistance.
- Weld deposits are ductile and offer superior corrosion resistance in both highly oxidising and mildly reducing environments.
- Commonly used in the petrochemical, aerospace manufacturing, and chemical process industries.

### BASE MATERIALS

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

### CHEMICAL COMPOSITION OF WIRE %

	C	O	N	H	Fe	Ti
MIN	-	0.08	-	-	-	Rem.
MAX	0.3	0.16	0.015	0.008	0.12	

Single values are maximum values according to EN ISO 24034

### MECHANICAL PROPERTIES OF ALL-WELD METAL - TYPICAL

Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (%)
≥275	≥345	≥20

Test data for mechanical properties are not guaranteed since actual as welded conditions depend on numerous variables

### OPERATING DATA

Shielding Gases	Polarity
EN ISO 14175 - I1	DC-

### PACKAGING AND AVAILABLE SIZES

Part Number	Diameter (mm)	Length (mm)	Weight (kg)	Packaging
XP35385	1.6	1000	1	PAP 20 Tube
XP35388	2.4	1000	1	PAP 20 Tube