

STRONG TI-23 MEDTECH

CLASSIFICATION: AWS SFA 5.16 ERTi-23

Titanium alloy Solid Wire For MIG & TIG Welding



CHARACTERISTICS

STRONG Ti-23 MedTech is an Extra-Low Interstitial (ELI) Ti-6Al-4V alloy filler wire, engineered for applications requiring exceptional fracture toughness, high strength, and superior weld integrity. With tightly controlled levels of oxygen, nitrogen, and hydrogen, it delivers enhanced ductility and impact performance, making it ideal for aerospace, medical, and cryogenic applications.

APPLICATIONS

The most common applications of STRONG Ti-23 MedTech are in Aerospace, structural components, Defence and high-performance systems, Medical implants and devices, Cryogenic vessels and piping, High-reliability engineering components. Base Materials Recommended: Titanium Grade 23 (ELI), Titanium Grade 5 (Ti-6Al-4V) and Critical applications requiring enhanced toughness.

TYPICAL WIRE CHEMISTRY (%)

C	O	N	H	Fe	Al	V	Ti
0.03 MAX	0.03- 0.11	0.012 MAX	0.005 MAX	0.20 MAX	5.50- 6.75	3.50- 4.50	BALANCE

ALL WELD MECHANICAL PROPERTIES

Typical as per AWS 5.16	Y.S.	U.T.S.	ELONGATION
	MPa	MPa	%
	750	880	17

PACKAGING SPECIFICATIONS - MIG

DIA SIZE 0.80MM / 1.00MM / 1.20MM / 1.60MM / 2.00MM

SPOOL WEIGHT 1KGS / 5KGS / 12.5KGS / 15KGS

PACKAGING SPECIFICATIONS - TIG

DIA SIZE 1.60MM / 2.00MM / 2.40MM / 3.15MM / 4.00MM

WEIGHT 5KGS / 20KGS