



宝鸡威尔钛业有限公司

BAOJI TITANIUM WIRE INDUSTRY CO., LTD.

TITANIUM TITANIUM ALLOY WIRE



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TITANIUM / TITANIUM ALLOY WIRE

> PRODUCT SPECIFICATIONS

Diameter:	0.15mm-6.0mm
Shape:	Straight, in coil or spool
Surface Treatment:	Polished, Pickled, Peeled
Grade Status:	Gr1, Gr2, Gr3, Gr4, Gr5 (Ti-6AL-4V), Gr7, Gr9, Gr12, Gr23
Standard:	ASTM F67, ASTM F136, ASTM B863, ASTM 2965, ASTM 3623, AMS 4928, AWS A5.16, AMS 4951H
Product Status:	Heat processing(R), Cold processing(Y), Annealed(M)

> QUICK FACTS

- Low density and high strength
- Exceptional corrosion resistance
- Excellent elevated temperature properties
- Excellent Bearing to cryogenic property
- Essentially non-magnetic
- Nontoxic, non-allergenic and fully biocompatible
- Good thermal properties
- Low modulus of elasticity
- Low thermal expansion coefficient
- High melting point
- Excellent aesthetic qualities
- Environmentally sound

Titanium Wire is silvery metal with excellent properties. Density is 4.54g/cm³ lighter than Steel. But mechanical strength is higher than Steel, twice stronger than aluminium, 5 times stronger than Magnesium. Pure Titanium Wire is high temperature resistance and melting point is 1942K.

High Quality Titanium Wire has low density, light weight, high strength, also has the good corrosion resistance, high temperature resistant, low temperature resistance, acid resistance, alkali resistance and so on.

> TYPICAL APPLICATIONS

Highly spherical powders are ideal for 3D Digital printing which requires excellent flowability and high density uniform packing. A high level of purity of the metallic powders is also critical to reach good mechanical properties and to allow the powder to be recycled many times.

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➤ Mechanical Property

Grade	Tensile Strength(min)		Yeild Strength(min)		Elongation(%)
	ksi	MPa	ksi	MPa	
Grade 1	35	240	20	138	20
Grade2	50	345	40	275	18
Grade 3	65	450	55	380	18
Grade 4	80	550	70	483	15
Grade 5	130	895	120	828	10
Grade 7	50	345	40	275	18
Grade 9	90	620	70	483	15
Grade 12	70	483	50	345	18
Grade 23	115	793	110	759	10

➤ Chemical Composition

Grade	N	C	H	Fe	O	Al	V	Pd	Mo	Ni	Ti
1	0.03	0.08	0.02	0.20	0.18	/	/	/	/	/	Bal
2	0.03	0.08	0.02	0.30	0.25	/	/	/	/	/	Bal
3	0.05	0.08	0.02	0.30	0.35	/	/	/	/	/	Bal
4	0.05	0.08	0.02	0.50	0.40	/	/	/	/	/	Bal
5	0.05	0.08	0.02	0.40	0.20	5.5-6.75	3.5-4.5	/	/	/	Bal
7	0.03	0.08	0.02	0.30	0.25	/	/	0.12-0.25	/	/	Bal
9	0.03	0.08	0.02	0.25	0.15	2.5-3.5	2.0-3.0	/	/	/	Bal
12	0.03	0.08	0.02	0.25	0.25	/	/	/	0.2-0.4	0.6-0.9	Bal
23	0.03	0.08	0.01	0.25	0.13	5.5-6.50	3.5-4.5	/	/	/	Bal

➤ APPLICATIONS

Electrode materials, fasteners, welding materials, medical field, surgical implants, chemical industry, structural parts, glasses, aerospace and marine, consumer and architectural, jewelry, nuclear waste storage, etc.



TITANIUM / TITANIUM ALLOY WIRE

> Stock Range

We stock a comprehensive range of size and grade titanium and titanium alloy wire.

Diameter:	0.8mm, 1.0mm, 1.2mm, 1.6mm, 2.0mm, 2.4mm, 3.2mm, 4.0mm
Shape:	Straight, in coil or spool
Surface Treatment:	Polished, Pickled, Peeled
Grade Status:	Gr1, Gr2, Gr5 (Ti-6AL-4V), Gr7, Gr9, Gr12, Gr23
Standard:	ASTM B863, AWS A5.16, ASTM F67, ASTM F136

> Capability

Annual Capability: 600 Metric Tons

> Packing Methods

Straight:	sealed with plastic bag in plastic box + plywood case.
In Coil:	protected by foam paper+ plywood case.
In spool:	carton box + plywood case.
	As per customer's requirement.

> Trade Terms

Delivery Time:	5-25 days
Shipping:	by International Express(TNT, FEDEX, DHL, UPS, etc.), By Air, By Sea
Trade Terms:	FOB China, CIF, C&F
Payment Terms:	T/T, L/C, PayPal, Western Union



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