



# 宝鸡威尔钛业有限公司

BAOJI TITANIUM WIRE INDUSTRY CO., LTD.



TITANIUM  
TITANIUM ALLOY  
BARS/RODS

PURE TITANIUM BARS (Gr. 1, Gr. 2, Gr.3, Gr. 4) | TITANIUM ALLOY BAR (Gr. 5, Gr. 7, Gr. 9, Gr. 12, Gr. 23)

ISO9001:2008 • ASTM B348 • ASTM F67 • ASTM F136 • AMS 4928

## TITANIUM / TITANIUM ALLOY BARS

### PRODUCT SPECIFICATIONS

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<b>Diameter:</b>	3.0mm - 350.0mm
<b>Length:</b>	100mm - 6000mm
<b>Shape:</b>	Round, Square /Flat, Hexagonal, Rectangle
<b>Surface Treatment:</b>	Polished, Peeled, Burnished
<b>Grade Status:</b>	Gr1, Gr2, Gr3, Gr4, Gr5 (Ti-6AL-4V), Gr7, Gr9, Gr12, Gr23
<b>Standard:</b>	ASTM B348, ASTM F67, ASTM F136, AMS 4928
<b>Product Status:</b>	Heat processing(R), Cold processing(Y), Annealed(M)

### QUICK FACTS

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- 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 is lightweight, strong, corrosion resistant and abundant in nature. Titanium and its alloys possess tensile strengths from 30,000 psi to 200,000 psi (210-1380 MPa), which are equivalent to those strengths found in most of alloy steels. The density of titanium is only 56 percent that of steel, and its corrosion resistance compares well with that of platinum. Of all the elements in the earth's crust, titanium is the ninth most plentiful. Titanium has a high melting point of 3135°F (1725°C). This melting point is approximately 400°F (220°C) above the melting point of steel and approximately 2000°F (1100°C) above that of aluminum.

### APPLICATIONS

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

## TITANIUM / TITANIUM ALLOY BARS

### > Mechanical Property

Grade	Tensile Strength(min)		Yeild Strength(min)		Elongation(%)
	ksi	MPa	ksi	MPa	
Gr. 1	35	240	20	138	24
Gr. 2	50	345	40	275	20
Gr. 3	65	450	55	380	18
Gr. 4	80	550	70	483	15
Gr. 5	130	895	120	828	10
Gr. 7	50	345	40	275	20
Gr. 9	90	620	70	483	15
Gr. 12	70	483	50	345	18
Gr. 23	120	828	110	759	10

### > Chemical Composition

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



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## BAOJI TITANIUM WIRE INDUSTRY CO., LTD.

## TITANIUM / TITANIUM ALLOY BARS

### > Stock Range

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

<b>Diameter:</b>	6mm, 10mm, 12mm, 16mm, 20mm, 25mm, 30mm, 38mm, 40mm, 45mm, 50mm, 63mm, 70mm, 80mm, 90mm, 100mm, 120mm, 130mm, 150mm.
<b>Shape:</b>	Round, Square, Rectangle
<b>Surface Treatment:</b>	Polished, Peeled, Burnished
<b>Grade Status:</b>	Gr1, Gr2, Gr5 (Ti-6AL-4V), Gr7, Gr9, Gr12, Gr23
<b>Standard:</b>	ASTM B348, ASTM F67, ASTM F136, AMS 4928

### > Capability

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**Annual Capability:** 600 Metric Tons

### > Packing Methods

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Standard export plywood case

### > Trade Terms

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





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BAOJI TITANIUM WIRE INDUSTRY CO., LTD.

# TITANIUM TITANIUM ALLOY BARS/RODS



PRODUCT RANGES	GRADES
Titanium Wires	Commercial Pure Ti
Titanium Welding Wires	Grade 5: Ti-6Al-4V
Titanium Bars/Rods	Grade 6: Ti-5Al-2.5Sn
Titanium Pipes/Tubes	Grade 7: Ti-0.2Pb
Titanium Sheets/Plates	Grade 9: Ti-3Al-2.5V
	Grade 12: Ti-0.3Mo-0.8Ni
	Grade 23: Ti-6Al-4V ELI

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