



# 宝鸡威尔钛业有限公司

BAOJI TITANIUM WIRE INDUSTRY CO., LTD.

**TITANIUM  
TITANIUM ALLOY  
TUBES/PIPES**



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

ISO9001:2008 • ASTM B338 / ASME SB338 • ASTM B337 / ASME SB337 • ASTM B861 / ASME SB861

## TITANIUM / TITANIUM ALLOY TUBES

### > PRODUCT SPECIFICATIONS

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Type:	Seamless Tubes
Outer Diameter:	6-114.3mm
Wall Thickness:	0.4-10mm
Length:	100-6000mm
Surface Treatment:	Pickled, Passivation, Inside & Outside Mechanical Polished, Bright Annealed, Electropolished (EP)
Grade Status:	Gr. 1, Gr. 2, Gr. 3, Gr. 4, Gr. 7, Gr. 9, Gr. 12
Standard:	ASTM B338/ASME SB338, ASTM B337/ASME SB337, ASTM B861/ASME SB861
Production Status:	Cold Finished ( Cold Drawing and Cold Rolling)



### > QUICK FACTS

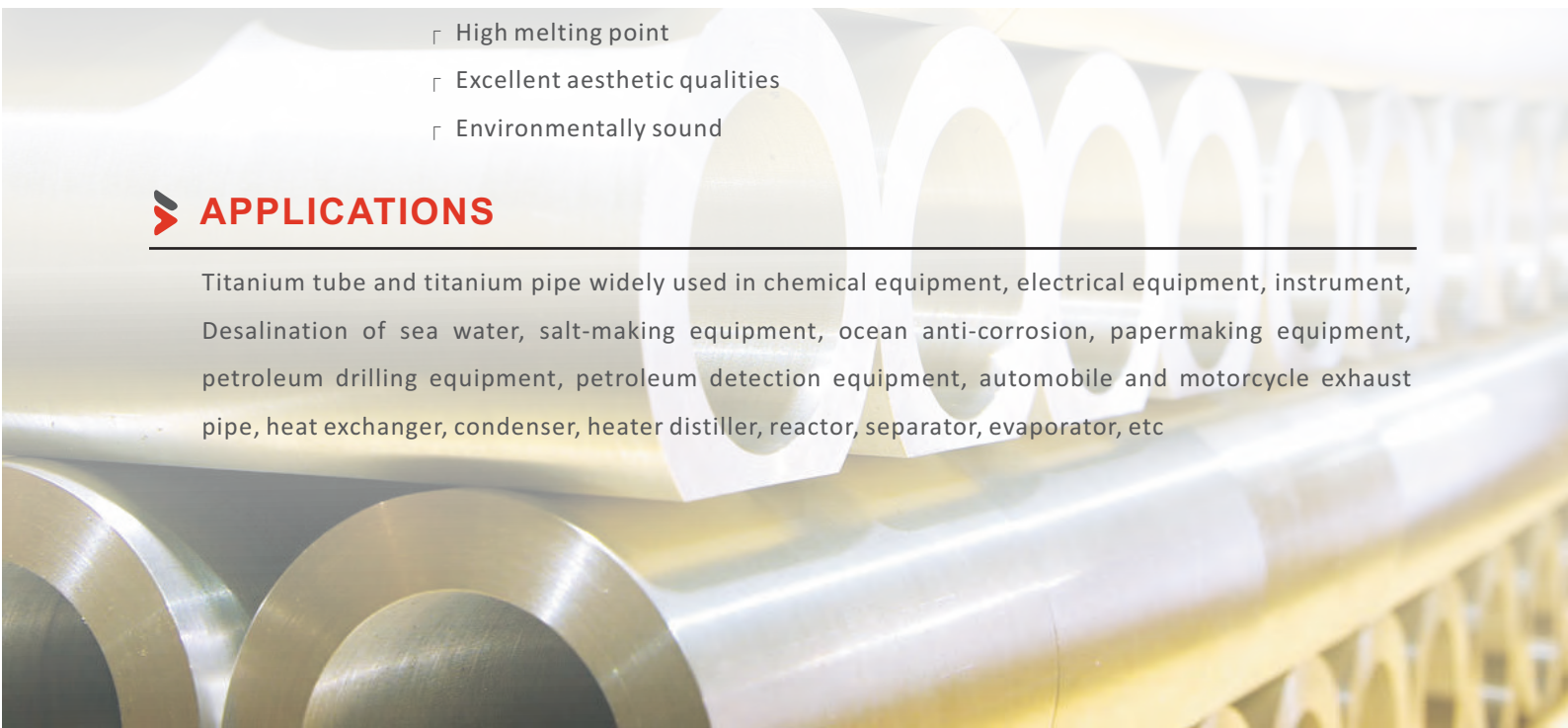
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- ▣ Low density and high strength
- ▣ Exceptional corrosion resistance
- ▣ Excellent elevated temperature properties
- ▣ Excellent Bearing to cryogenic property
- ▣ Essentially non-magnetic
- ▣ Nontoxic, non-allergenic and fully biocompatible
- ▣ Good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

### > APPLICATIONS

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Titanium tube and titanium pipe widely used in chemical equipment, electrical equipment, instrument, Desalination of sea water, salt-making equipment, ocean anti-corrosion, papermaking equipment, petroleum drilling equipment, petroleum detection equipment, automobile and motorcycle exhaust pipe, heat exchanger, condenser, heater distiller, reactor, separator, evaporator, etc



## TITANIUM / TITANIUM ALLOY BARS

### ➤ Mechanical Property

Grade	Tensile Strength(min)		Yield Strength(min)		Elongation(%)	Remark
	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. 7	50	345	40	275	20	
Gr. 9	125	860	105	725	10	cold-worked stress-relieved
Gr. 9	90	620	70	483	15	annealed
Gr. 12	70	483	50	345	18	

### ➤ Chemical Composition

Grade	N	C	H	Fe	O	Al	V	Pd	Mo	Ni	Ti
Gr. 1	0.03	0.08	0.015	0.20	0.18	/	/	/	/	/	Bal
Gr. 2	0.03	0.08	0.015	0.30	0.25	/	/	/	/	/	Bal
Gr. 3	0.05	0.08	0.015	0.30	0.35	/	/	/	/	/	Bal
Gr. 7	0.03	0.08	0.015	0.30	0.25	/	/	0.12-	/	/	Bal
Gr. 9	0.03	0.08	0.015	0.25	0.15	2.5-3.5	2.0-3.0	0.25	/	/	Bal
Gr. 12	0.03	0.08	0.015	0.30	0.25	/	/	/	0.2-0.4	0.6-0.9	Bal

### ➤ Dimensions of Pipe

NPS DESIG.	Outside Dia.		Nominal Wall Thickness							
			Schedule 5S		Schedule 10S		Schedule 40S		Schedule 80S	
	in	mm	in	mm	in	mm	in	mm	in	mm
1/8	0.405	10.29	×	×	0.490	1.24	0.068	1.73	0.095	2.41
1/4	0.540	13.72	×	×	0.065	1.65	0.088	2.24	0.119	3.02
3/8	0.675	17.15	×	×	0.065	1.65	0.091	2.31	0.126	3.20
1/2	0.840	21.34	0.065	1.65	0.083	2.11	0.109	2.77	0.147	3.73
3/4	1.050	26.67	0.065	1.65	0.083	2.11	0.113	2.87	0.154	3.91
1	1.315	33.40	0.065	1.65	0.109	2.77	0.133	3.38	0.179	4.55
1-1/4	1.660	42.16	0.065	1.65	0.109	2.77	0.140	3.56	0.191	4.85
1-1/2	1.900	48.26	0.065	1.65	0.109	2.77	0.145	3.68	0.200	5.08
2	2.375	60.32	0.065	1.65	0.109	2.77	0.154	3.91	0.218	5.54
2-1/2	2.875	73.02	0.083	2.11	0.120	3.05	0.203	5.16	0.276	7.01
3	3.500	88.90	0.083	2.11	0.120	3.05	0.216	5.49	0.300	7.62
3-1/2	4.000	101.60	0.083	2.11	0.120	3.05	0.226	5.74	0.318	8.08
4	4.500	114.30	0.083	2.11	0.120	3.05	0.237	6.02	0.337	8.56





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BAOJI TITANIUM WIRE INDUSTRY CO., LTD.

## TITANIUM / TITANIUM ALLOY TUBES

### > Stock Range

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

<b>Outside Diameter:</b>	Ø1/2", Ø3/4", Ø1", Ø1-1/2", Ø2", Ø3", Ø4", Ø4-1/2"
<b>Shape:</b>	Round, Square, Rectangle
<b>Surface Treatment:</b>	Polished, Pickled. Electropolished.
<b>Grade Status:</b>	Gr1, Gr2, Gr. 3, Gr7, Gr9, Gr12,
<b>Standard:</b>	ASTM B338, ASTM B861, ASTM B337

### > Capability

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**Annual Capability:** 144 Metric Tons

### > Packing Methods

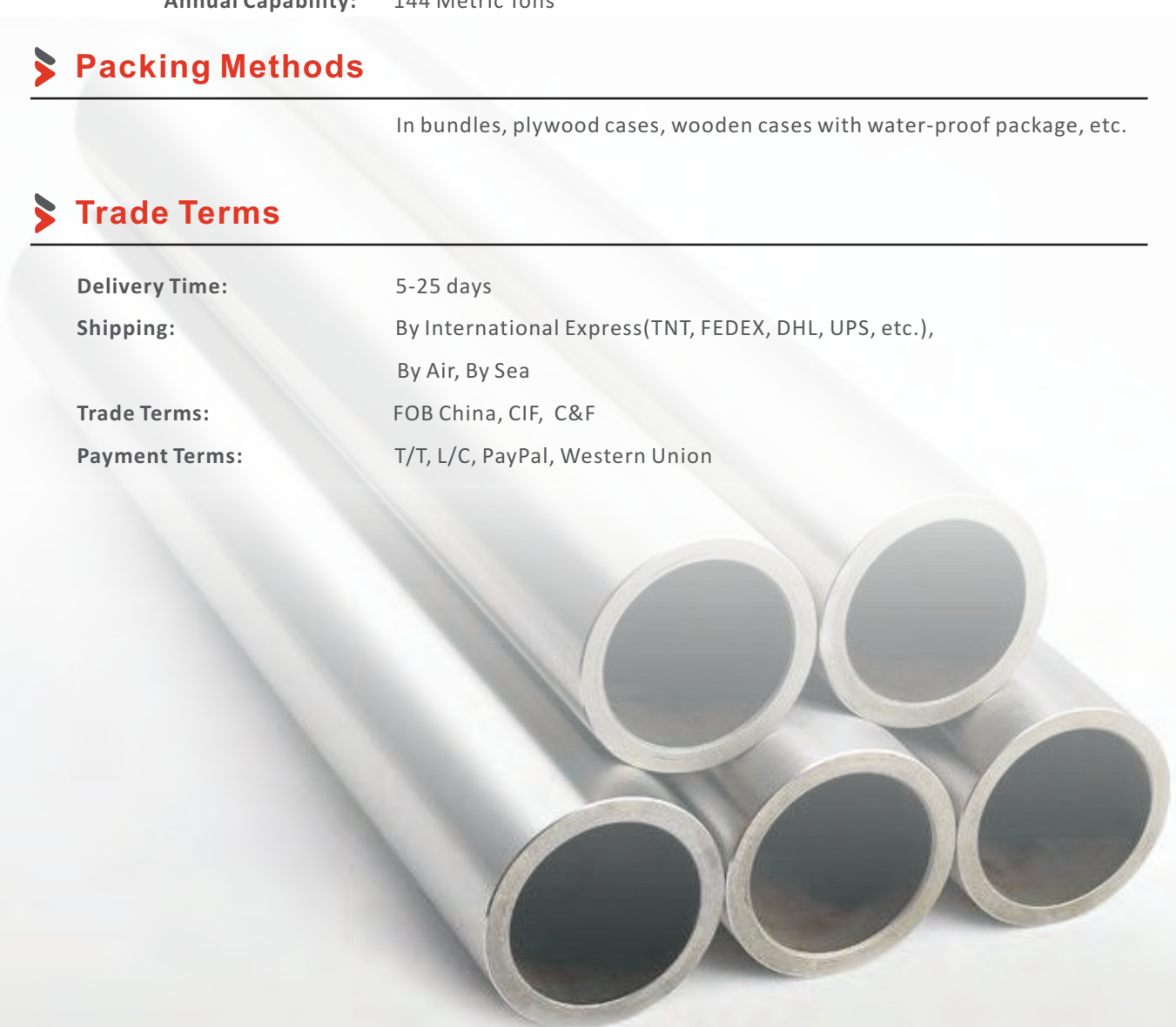
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In bundles, plywood cases, wooden cases with water-proof package, etc.

### > 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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## TITANIUM TITANIUM ALLOY TUBES/PIPES



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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