



# Baoji Xinnuo New Metal Materials Co.,Ltd.

-Reliable and stable titanium manufacturer partner

## Products Catalogue



 **PRODUCTS CATALOGUE**

- TITANIUM BAR AND WIRE



 **TITANIUM BAR AND WIRE**

● **Titanium bar for spine screws**

Standard : ASTM F67/F136; ISO 5832-2/3  
Grade : Gr5; Ti-6Al-4V; Ti-6Al-4V ELI  
Size(mm) : Ø10, Ø13, Ø14.2, Ø14.5

Characteristics:  
The shrinkage of the material is no more than 0.05mm,  
and the metallography can be controlled.



● **Titanium bar for dental implants**

Standard :ASTM F67; ASTM F136; ASTM F1295; ISO 5832-2/3  
Grade : TA3, TA4, GR3, GR4, GR5, Ti-6AL-4V,Ti-6AL-4VELI , TI-6AL-7Nb  
Size(mm) : Ø10, Ø20, Ø40, Ø50

Characteristics:  
Good physical consistency and controllable metallographic structure.



## TITANIUM BAR AND WIRE

- Highly elastic medical titanium wire / High strength medical titanium wire

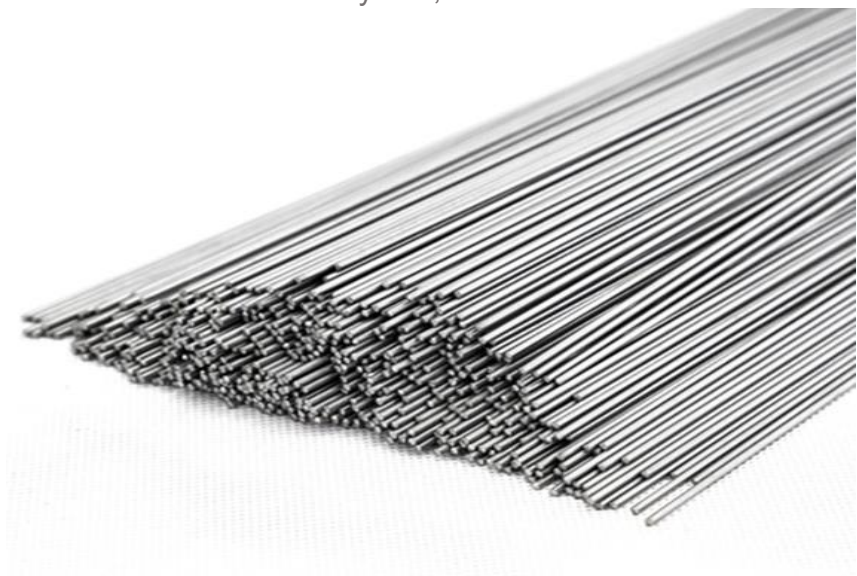
Standard : ASTM F136,ASTM F67, ISO 5832-2/3/11

Grade : Gr5, Ti-6Al-4V, Ti-6Al-4V ELI , Ti-6Al-7Nb

Size(mm) : Ø0.8, Ø1.0, Ø1.2, Ø2.0, Ø3.0, Ø4.0

Characteristics:

Surface roughness  $\leq 0.8$  , suitable for Kirschner wire, elastic intramedullary nail, etc.



- Titanium bar for bone screw

Standard : ASTM F67, ASTM F136, ISO 5832-2/3

Grade : Gr5, Ti-6Al-4V, Ti-6Al-4V ELI

Size(mm) : Ø4, Ø6, Ø8, Ø10, Ø12

Characteristics:

Medical titanium rod for cortical bone screws, cancellous bone screws and locking screw.



 **TITANIUM BAR AND WIRE**

● Titanium bar for hip joint

Standard : ASTM F67/F136; ISO 5832-2/3  
Grade :TA3, Gr3, Gr5, Ti-6Al-4V, Ti6Al4VELI  
Size(mm) : Ø16, Ø17.2, Ø18, Ø20, Ø24, Ø30, Ø40,Ø45, Ø50,  
Ø55, Ø65

Characteristics:  
Good plasticity, high strength, good metallographic structure,  
good wear resistance



● Titanium bar/Ti-6Al-7Nb medical titanium wire

Standard : ISO 5832-11  
Grade : Ti-6Al-7Nb  
Size(mm) : Ø1.0-Ø18.0

Characteristics:  
Good biocompatibility, plasticity, maximum fracture torsion  
Angle>200°



 **TITANIUM BAR ADVANTAGES**

- (I) Raw material:0 grade undersized grain titanium sponge;
- (II) 3 times vacuum melting plasma welding,sampling,flaw detection,remove the head and bottom;
- (III)Tolerance:100% through type detection by infra-ray diameter gauge, insure h8,h7 tolerance;
- (IV) Straightness:0.3‰-0.5‰;
- (V)Flaw detection:Domestic unique vertical and horizontal wave automatic flaw detection, can effectively check the bar near surface defects;
- (VI)Mechanical property:The tensile strength of Bar below 20mm can be stably controlled at 1000(+/-25)MPa;
- (VII)Microstructure:A1-A3 stable and uniform microstructure for Bar is below 20mm.