TITANIUM WIRE

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
- 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.
**TITANIUM / TITANIUM ALLOY WIRE**

### Mechanical Property

<table>
<thead>
<tr>
<th>Grade</th>
<th>Tensile Strength(min)</th>
<th>YIELD Strength(min)</th>
<th>Elongation(%)</th>
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<tbody>
<tr>
<td></td>
<td>ksi</td>
<td>MPa</td>
<td>ksi</td>
</tr>
<tr>
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<tr>
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<tr>
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<tr>
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<td>550</td>
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<td>Grade 5</td>
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### Chemical Composition

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<th>H</th>
<th>Fe</th>
<th>O</th>
<th>Al</th>
<th>V</th>
<th>Pd</th>
<th>Mo</th>
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<td>3.5-4.5</td>
<td>/</td>
<td>/</td>
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<td>Bal</td>
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</tbody>
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### 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
Contact

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