



# Titanium for Aerospace & Medical

**Titanium and Titanium Alloys • Aerospace grades  
Medical Grades • DFARS-compliant • Processing • Sheet • Bar • Plate**

[www.tricoralloys.com](http://www.tricoralloys.com)

## Now Stocking Titanium Aerospace & Medical Grade Bar & Sheet

**Tricor Alloys is AS9100C & ISO9001-2008 QMS**

We are a woman-owned, small business with facilities in Wooster, OH, Conroe, TX, Plymouth, MI and Oxnard, CA with over 25 years experience in the supply of titanium mill products, titanium forgings and fabrication of ASME Code equipment for the aerospace, medical, petrochemical, pharmaceutical, industrial, consumer, and mining markets.

We provide quick-ship service center sales and processing of DFARS-compliant titanium mill products for aerospace and medical applications from our distribution facility in Wooster, OH.

We offer advanced processing including water jet cutting, saw cutting, shearing and just-in-time inventory for 'blanket' order processing to meet our customer's needs.

We also stock, clean, process, and package UltraGrade™ high performance welding wires for aerospace, power, and turbine engines.

Our distribution facilities are in Wooster, Ohio and Conroe, Texas. We also operate technical sales facilities in Plymouth, MI and Oxnard, CA.

[Contact us anytime for prompt service \(sales@tricoralloys.com\).](mailto:sales@tricoralloys.com)

### Tricor Alloys

#### California Division

1701 Solar Dr., Suite 225  
Oxnard, CA 93030  
Toll free: **1-844-247-4777**  
Phone 805-485-5855

### Tricor Metals

#### Ohio Division

3225 West Old Lincoln Way  
Wooster, Ohio 44691  
Toll Free: **1-800-421-5141**  
Phone: 330-264-3299  
Fax: 330-264-1181  
[www.tricormetals.com](http://www.tricormetals.com)

### Tricor Metals

#### Texas Division

101 S. Trade Center Parkway  
Conroe, Texas 77385  
Phone: **1-888-987-4267**  
Phone: 1-936-273-2661  
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### Tricor Metals

#### Michigan Division

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Plymouth, MI 48170  
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Fax: 734-454-7110  
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### Aerospace & Medical Grade Titanium Round Bar

"x" - Stock sizes

Other titanium grades available upon request

Diameter (inch)	Ti 6AL4V AMS T-9047 AMS 4928 ASTM F-1472	Ti 6AL4V ELI ASTM F-136
0.125	Upon request	X
0.156	Upon request	X
0.01875	Upon request	X
0.236	Upon request	X
0.25	x	X
0.3125	Upon request	X
0.0345	Upon request	X
0.375	x	X
0.04375	Upon request	X
0.5	x	X
0.5625	x	X
0.625	x	x
0.75	x	x
0.875	x	x
1	x	x
1.125	Upon request	x
1.25	x	x
1.375	x	x
1.5	x	x
1.625	x	x
1.75	x	x
2	x	x
2.25	x	x
2.5	x	x
2.75	x	x
3	x	x
3.25	x	Upon request
3.5	x	x
4	x	x
4.5	x	Upon request

Larger diameter available upon request

### Aerospace & Medical Grade Titanium Sheet

"x" - Stock sizes

Other titanium grades available upon request

Thickness x width x coil	Titanium Gr 1 AMS 4940 AMS-T-9046 MIL-T-9046 ASTM-F67	Titanium Gr 2 AMS 4902 AMS-T-9046 MIL-T-9046 ASTM-F67	Titanium Gr 4 AMS 4901 AMS-T-9046 ASTM-F67 DMS 1536
Thinner gauges upon request			
0.012" x 36" x 96"			x
0.016" x 36" x 96"	x	x	x
0.020" x 36" x 96"	x	x	x
0.025" x 36" x 96"		x	x
0.025" x 48" x 96"	x		
0.025" x 36" x 96"		x	x
0.032" x 48" x 96"			x
0.035" x 36" x 96"		x	x
0.040" x 36" x 96"		x	
0.040" x 48" x 96"			x
0.050" x 36" x 96"			x
0.050" x 48" x 96"			x
0.063" x 36" x 96"			x
0.063" x 48" x 96"		x	
0.067" x 48" x 96"			x
0.085" x 48" x 96"			x
0.125" x 48" x 96"			x

Other sizes available upon request. Custom lengths available.





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## Table of Titanium Specifications (AMS)

Specification No.	Description
4900	Sheet, Strip and Plate, C.P., Annealed, 55.0 ksi (379 MPa) Yield Strength
4901	Sheet, Strip, and Plate, C.P. Annealed, 70.0 ksi (485MPa)
4902	Sheet, Strip, and Plate, C.P. Annealed, 40.0 ksi (276 MPa) Yield Strength
4905	Damage-Tolerant Grade Plate 6AL - 4V, Beta, Annealed
4907	Sheet, Strip, and Plate 6AL-4V, Extra Low Interstitial Annealed
4908	Sheet and Strip, 8Mn, Annealed, 110,000 psi (760 MPa) Yield Strength
4909	Sheet, Strip, and Plate 5AL -2.5Sn, Extra Low Interstitial, Annealed
4910	Sheet, Strip and Plate 5AL - 2.5Sn Annealed
4911	Sheet, Strip, and Plate, 6AL - 4V, Annealed
4914	Cold Rolled Sheet and Strip, 15V - 3AL - 3Cr - 3Sn Solution Heat Treated
4915	Sheet, Strip, and Plate, 8AL - 1V - 1Mo, Single Annealed
4916	Sheet, Strip, and Plate, 8AL - 1Mo - 1V, Duplex Annealed
4917	Sheet, Strip, and Plate, 13.5V - 11Cr - 3.0AL, Solution Heat Treated
4918	Sheet, Strip, and Plate, 6AL - 6V - 2Sn Annealed
4919	Sheet, Strip, and Plate, 6AL - 2Sn - 4Zr - 2Mo - 0.08Si, Duplex Annealed
4920	Forgings, 6AL - 4V, Alpha-Beta or Beta Processed, Annealed
4921	Wire, Forgings, and Rings C.P. 70.0 ksi (438 MPa) Yield Strength
4924	Bars, Forgings, and Rings 5AL - 2.5Sn, Extra Low Interstitial, Annealed
4926	Bars, Wire, and Rings, 5AL - 2.5Sn Annealed, 110 ksi (758 MPa) Yield Strength
4928	Bars, Wire, Forgings, Rings, and Drawn Shapes 6AL - 4V Annealed
4930	Bars, Wire, Forgings, and Rings, 6AL - 4V, Extra Low Interstitial Annealed
4931	Bars, Forgings, & Rings 6AL - 4V Extra Low Interstitial (ELI) Duplex Annealed, Fracture Toughness
4933	Extrusions and Flash Welded Rings, 8AL - 1Mo - 1V, Solution Heat Treated & Stabilized
4934	Extrusions and Flash Welded Rings 6AL - 4V Solution Heat Treated and Aged
4935	Extrusions and Flash Welded Rings, 6AL - 4V, Annealed, Beta Processed
4936	Extrusions and Flash Welded Rings, 6AL - 6V - 2Sn, Beta Extruded Plus Annealed, Heat Treatable
4937	Extrusions and Flash Welded Rings 6AL -6V - 2Sn Beta Extruded Plus Annealed, Heat Treatable
4941	Tubing, Welded, Annealed, 40,000 psi (275 MPa) Yield Strength
4942	Tubing, Seamless, Annealed, 40,000 psi (275 MPa) Yield Strength
4943	Hydraulic, Seamless Tubing 3.0AL - 2.5V Annealed
4944	Seamless, Hydraulic Tubing 3.0AL - 2.5V Cold Worked, Stress Relieved
4945	Tubing, Seamless, Hydraulic, 3AL - 2.5V, Texture Controlled, 105 ksi (724 Mpa)Yield Strength Cold Worked, Stress Relieved
4950	Bars, Wire, Forgings, and Rings 6.0AL - 4.0V Solution Heat Treated & Aged Modified Strength
4951	Welding Wire, C.P. Environment Controlled Packaging
4952	Welding Wire, 6AL - 2Sn - 4Zr - 2Mo
4953	Welding Wire, 5AL - 2.5Sn
4954	Welding Wire, 6AL - 4V
4955	Welding Wire, 8AL - 1Mo - 1V
4956	Welding Wire, 6AL - 4V, Extra Low Interstitial, Environment Controlled Packaging
4957	Round Bar and Wire, 3AL - 8V - 6Cr - 4Mo - 4Zr, Consumable Electrode Melted, Solution Heat Treated & Cold Drawn
4958	Bars and Rods, 3AL - 8V - 6Cr - 4Mo - 4Zr, Consumable Electrode Melted, Solution Heat Treated & Centerless Ground
4959	Wire, 13.5V - 11Cr - 3AL, Spring Temper
4963	Bars, Wire, Forgings, and Rings 6AL - 4V Annealed, Heat Treatable, Modified Strength
4965	Bars, Wire, Forgings, and Rings 6AL - 4V Solution Heat Treated & Aged
4966	Forgings 5AL - 2.5Sn Annealed, 110 ksi (758 MPa) Yield Strength
4967	Bars, Wire, Forgings, and Rings 6AL - 4V, Annealed, Heat Treatable
4970	Bars, Wire, and Forgings 7AL - 4Mo, Solution & Precipitation Heat Treated
4971	Bars, Wire, Forgings, and Rings 6AL - 6V - 2Sn Annealed, Heat Treatable
4972	Bars, Wire, and Rings, 8AL - 1Mo - 1V, Solution Heat Treated & Stabilized
4973	Forgings, 8AL - 1Mo - 1V, Solution Heat Treated & Stabilized
4974	Bars, and Forgings, 11Sn - 5.0Zr - 2.3AL - 1.0Mo - 0.21Si, Solution & Precipitation Heat Treated
4975	Bars, Wire, & Rings, 6.0AL - 2.0Sn - 4.0Zr - 2.0Mo - 0.08Si, Solution & Precipitation Heat Treated
4976	Forgings, 6AL - 2Sn - 4Zr - 2Mo, Solution & Precipitation Heat Treated
4978	Bars, Wire, Forgings, and Rings, 6AL - 6V - 2Sn, Annealed
4979	Bars, Wire, Forgings, and Rings 6AL - 6V - 2Sn Solution & Precipitation Heat Treated
4981	Bars, Wire, and Forgings, 6AL - 2Sn - 4Zr - 6Mo, Solution & Precipitation Heat Treated
AMS T9046 (MIL T9046)	Sheet, Strip, and Plate, Titanium & Titanium Alloy
AMS T9047 (MIL T9047)	Bars, Wire, and Forgings, Titanium & Titanium Alloy

## Table of Titanium Specifications (ASTM)

Specification No.	Description
ASTM-F136	Wrought Titanium-6 Aluminum-4 Vanadium ELI (Extra Low Interstitial) Alloy (UNSR56401) for Surgical Implant Applications
ASTM-F67	Unalloyed Titanium for Surgical Implant Applications (UNS R50250, UNS R50400, UNS R50550, UNS R50700)
ASTM-F1108	Ti6AL4V Alloy Castings for Surgical Implants (UNS R56406)
ASTM-F-620	Alpha Plus Beta Titanium Alloy Forgings for Surgical Implants
ASTM-F1472	Wrought Titanium-6 Aluminum-4 Alloy for Surgical Implant Applications (UNS R56400)
ASTM-F1341	Unalloyed Titanium Wire UNS R50250, UNS R50400, UNS R50550, UNS R50700, for Surgical Implant Applications
ASTM-F1295	Wrought Titanium-6 Aluminum-7 Niobium Alloy for Surgical Implant Applications (UNS R56700)
ASTM B265	Titanium and Titanium Alloy Strip, Sheet, and Plate
ASTM-B299	Titanium Sponge
ASTM-B338	Seamless and Welded Titanium & Titanium Alloy Tubes for Condensers & Heat Exchangers
ASTM-B348	Titanium and Titanium Alloy Bars and Billets
ASTM-B363	Seamless and Welded Unalloyed Titanium & Titanium Alloy Welding Fittings
ASTM-B367	Titanium and Titanium Alloy Castings
ASTM-B381	Titanium and Titanium Alloy Forgings
ASTM-B600	Standard Guide for Descaling and Cleaning Titanium & Titanium Alloy Surfaces
ASTM-B861	Titanium and Titanium Alloy Seamless Pipe
ASTM-B862	Titanium and Titanium Alloy Welded Pipe
ASTM-B863	Titanium and Titanium Alloy Wire

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