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Aerospace & Medical grade TITANIUM sheet and plate

Titanium 6AL4V, AMS 4911, AMS-T-9046, MILT9046, ASTM B265 Gr.5

0.005" – 4" thicknesses

Titanium Gr. 1, AMS 4940, AMS-T-9046, MILT9046, ASTM F67 Gr1

0.005" and up, sheet

Titanium Gr. 2, AMS 4902, AMS-T-9046, MILT 9046, ASTM F67 Gr2

0.005" and up, sheet

3/16" through 4.5"

Titanium Gr. 3, AMS 4900, AMS-T-9046, MILT9046, ASTM F67 Gr3

0.005" and up, sheet

3/16" through 4.5"

Titanium Gr. 4, AMS 4901, AMS-T-9046, MILT9046, ASTM F67 Gr4, DMS 1536

0.005" and up, sheet

Other sizes available upon request

Other titanium grades available upon request

Aerospace & Medical grade TITANIUM round bar & rod

Titanium 6AL4V, AMS 4928, AMS6931, AMS-T-9047, MILT9047, ASTM F136, ASTM B348 Gr.5, ASTM B348 Gr23

0.125" diameter through 16.00" diameter

Other sizes available by request

Other titanium grades available upon request

Custom produced FORGINGS AND RINGS!

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| Table of Titanium Specifications (AMS) |                                                                           |
|----------------------------------------|---------------------------------------------------------------------------|
| Specification No.                      | Description                                                               |
| AMS 4900                               | Sheet, Strip and Plate, C.P., Annealed, 55.0 ksi (379 MPa) Yield Strength |
| AMS 4901                               | Sheet, Strip, and Plate, C.P. Annealed, 70.0 ksi (485MPa)                 |
| AMS 4902                               | Sheet, Strip, and Plate, C.P. Annealed, 40.0 ksi (276 MPa) Yield Strength |
| AMS 4905                               | Damage-Tolerant Grade Plate 6AL – 4V, Beta, Annealed                      |
| AMS 4907                               | Sheet, Strip, and Plate 6AL-4V, Extra Low Interstitial Annealed           |
| AMS 4908                               | Sheet and Strip, 8Mn, Annealed, 110,000 psi (760 MPa) Yield Strength      |
| AMS 4909                               | Sheet, Strip, and Plate 5AL -2.5Sn, Extra Low Interstitial, Annealed      |
| AMS 4910                               | Sheet, Strip and Plate 5AL – 2.5Sn Annealed                               |
| AMS 4911                               | Sheet, Strip, and Plate, 6AL – 4V, Annealed                               |
| AMS 4914                               | Cold Rolled Sheet and Strip, 15V – 3AL – 3Cr – 3Sn Solution Heat Treated  |
| AMS 4915                               | Sheet, Strip, and Plate, 8AL – 1V – 1Mo, Single Annealed                  |

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|----------|---------------------------------------------------------------------------------------------------------------------------|
| AMS 4916 | Sheet, Strip, and Plate, 8AL – 1Mo – 1V, Duplex Annealed                                                                  |
| AMS 4917 | Sheet, Strip, and Plate, 13.5V – 11Cr – 3.0AL, Solution Heat Treated                                                      |
| AMS 4918 | Sheet, Strip, and Plate, 6AL – 6V- 2Sn Annealed                                                                           |
| AMS 4919 | Sheet, Strip, and Plate, 6AL– 2Sn – 4Zr – 2Mo – 0.08Si, Duplex Annealed                                                   |
| AMS 4920 | Forgings, 6AL – 4V, Alpha-Beta or Beta Processed, Annealed                                                                |
| AMS 4921 | Wire, Forgings, and Rings C.P. 70.0 ksi (438 MPa) Yield Strength                                                          |
| AMS 4924 | Bars, Forgings, and Rings 5AL – 2.5Sn, Extra Low Interstitial, Annealed                                                   |
| AMS 4926 | Bars, Wire, and Rings, 5AL – 2.5Sn Annealed, 110 ksi (758 MPa) Yield Strength                                             |
| AMS 4928 | Bars, Wire, Forgings, Rings, and Drawn Shapes 6AL – 4V Annealed                                                           |
| AMS 4930 | Bars, Wire, Forgings, and Rings, 6AL – 4V, Extra Low Interstitial Annealed                                                |
| AMS 4931 | Bars, Forgings, & Rings 6AL – 4V Extra Low Interstitial (ELI) Duplex Annealed, Fracture Toughness                         |
| AMS 4933 | Extrusions and Flash Welded Rings, 8AL – 1Mo – 1V, Solution Heat Treated & Stabilized                                     |
| AMS 4934 | Extrusions and Flash Welded Rings 6AL – 4V Solution Heat Treated and Aged                                                 |
| AMS 4935 | Extrusions and Flash Welded Rings, 6AL – 4V, Annealed, Beta Processed                                                     |
| AMS 4936 | Extrusions and Flash Welded Rings, 6AL – 6V – 2Sn, Beta Extruded Plus Annealed, Heat Treatable                            |
| AMS 4937 | Extrusions and Flash Welded Rings 6AL –6V – 2Sn Beta Extruded Plus Annealed, Heat Treatable                               |
| AMS 4941 | Tubing, Welded, Annealed, 40,000 psi (275 MPa) Yield Strength                                                             |
| AMS 4942 | Tubing, Seamless, Annealed, 40,000 psi (275 MPa) Yield Strength                                                           |
| AMS 4943 | Hydraulic, Seamless Tubing 3.0AL – 2.5V Annealed                                                                          |
| AMS 4944 | Seamless, Hydraulic Tubing 3.0AL – 2.5V Cold Worked, Stress Relieved                                                      |
| AMS 4945 | Tubing, Seamless, Hydraulic, 3AL – 2.5V, Texture Controlled, 105 ksi (724 Mpa)Yield Strength Cold Worked, Stress Relieved |
| AMS 4950 | Bars, Wire, Forgings, and Rings 6.0AL – 4.0V Solution Heat Treated & Aged Modified Strength                               |
| AMS 4951 | Welding Wire, C.P. Environment Controlled Packaging                                                                       |
| AMS 4952 | Welding Wire, 6AL – 2Sn – 4Zr – 2Mo                                                                                       |
| AMS 4953 | Welding Wire. 5AL – 2.5Sn                                                                                                 |
| AMS 4954 | Welding Wire, 6AL – 4V                                                                                                    |
| AMS 4955 | Welding Wire, 8AL – 1Mo – 1V                                                                                              |
| AMS 4956 | Welding Wire, 6AL – 4V, Extra Low Interstitial, Environment Controlled Packaging                                          |
| AMS 4957 | Round Bar and Wire, 3AL – 8V – 6Cr – 4Mo – 4Zr, Consumable Electrode Melted, Solution Heat Treated & Cold Drawn           |
| AMS 4958 | Bars and Rods, 3AL – 8V – 6Cr – 4Mo – 4Zr, Consumable Electrode Melted, Solution Heat Treated & Centerless Ground         |
| AMS 4959 | Wire, 13.5V – 11Cr – 3AL, Spring Temper                                                                                   |

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| AMS 4963              | Bars, Wire, Forgings, and Rings 6AL – 4V Annealed, Heat Treatable, Modified Strength               |
| AMS 4965              | Bars, Wire, Forgings, and Rings 6AL – 4V Solution Heat Treated & Aged                              |
| AMS 4966              | Forgings 5AL – 2.5Sn Annealed, 110 ksi (758 MPa) Yield Strength                                    |
| AMS 4967              | Bars, Wire, Forgings, and Rings 6AL – 4V, Annealed, Heat Treatable                                 |
| AMS 4970              | Bars, Wire, and Forgings 7AL – 4Mo, Solution & Precipitation Heat Treated                          |
| AMS 4971              | Bars, Wire, Forgings, and Rings 6AL – 6V – 2Sn Annealed, Heat Treatable                            |
| AMS 4972              | Bars, Wire, and Rings, 8AL – 1Mo – 1V, Solution Heat Treated & Stabilized                          |
| AMS 4973              | Forgings, 8AL – 1Mo – 1V, Solution Heat Treated & Stabilized                                       |
| AMS 4974              | Bars, and Forgings, 11Sn – 5.0Zr – 2.3AL – 1.0Mo – 0.21Si, Solution & Precipitation Heat Treated   |
| AMS 4975              | Bars, Wire, & Rings, 6.0AL – 2.0Sn – 4.0Zr – 2.0Mo – 0.08Si, Solution & Precipitation Heat Treated |
| AMS 4976              | Forgings, 6AL – 2Sn – 4Zr – 2Mo, Solution & Precipitation Heat Treated                             |
| AMS 4978              | Bars, Wire, Forgings, and Rings, 6AL – 6V – 2Sn, Annealed                                          |
| AMS 4979              | Bars, Wire, Forgings, and Rings 6AL – 6V – 2Sn Solution & Precipitation Heat Treated               |
| AMS 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                                                                            |

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|-----------|------------------------------------------------------------------------------|
| 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                                             |