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| C.P. 1 | Alloy 6Al 4V Eli |
| C.P. 2 | Alloy 6Al 6V 2Sn |
| C.P. 3 | Alloy 5Al 2.5Sn |
| C.P. 4 | Alloy 8Al 1Mo 1V |
| 7 | Alloy 6Al 2Sn 4Zr 2Mo |
| 12 | Beta C |

AEROSPACE MATERIAL SPECIFICATIONS (AMS 49)

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| AMS 4900 | Plate, Sheet & Strip – Annealed –55,000 psi Yield |
| AMS 4901 | Sheet, Strip & Plate – Annealed – 70,000 psi Yield |
| AMS 4902 | Plate, Sheet & Strip – Annealed – 40,000 psi Yield |
| AMS 4905 | Plate, Damage Tolerant Grade – 6Al 4V, Beta Annealed |
| AMS 4907 | Plate, Sheet & Strip – 6Al 4V, Extra Low Interstitial, Annealed |
| AMS 4908 | Sheet & Strip – 8Mn Annealed - 110,000 psi Yield |
| AMS 4909 | Plate, Sheet & Strip – 5Al 2.5Sn, Extra Low Interstitial, Annealed |
| AMS 4910 | Plate, Sheet & Strip – 5Al 2.5Sn, Annealed |
| AMS 4911 | Sheet, Strip & Plate – 6Al 4V, Annealed |
| AMS 4914 | Sheet & Strip – 15V 3Cr 3Sn #Al – Solution Heat Treated |
| AMS 4915 | Plate, Sheet & Strip – 8Al 1Mo 1V – Single Annealed |
| AMS 4916 | Plate, Sheet & Strip – 8Al 1Mo 1V – Duplex Annealed |
| AMS 4917 | Plate, Sheet & Strip – 13.5V 11Cr 3Al – Solution Treated |

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| AMS 4918 | Plate, Sheet & Strip –6Al 6V 2Sn – Annealed |
| AMS 4919 | Sheet, Strip & Plate – 6Al 2Sn 4Zr-2Mo – Annealed |
| AMS 4920 | Forgings – 6Al 4V – Alpha Beta or Beta Processed – Annealed |
| AMS 4921 | Bars, Forgings & Rings – Annealed – 70,000 psi Yield |
| AMS 4924 | Bars, Forgings & Rings – 5Al 2.5Sn – Extra Low Interstitial, Annealed – 90,000 psi Yield |
| AMS 4926 | Bars & Rings – 5Al 2.5Sn – Annealed – 110,000 psi Yield |
| AMS 4928 | Bars & Forgings – 6Al 4V – Annealed – 120,000 psi Yield |
| AMS 4930 | Bars, Forgings & Rings – 6Al-4V – Extra Low Interstitial, Annealed |
| AMS 4931 | Bars, Forgings & Rings – 6Al-4V ELI, Duplex Annealed, Fractured Toughness |
| AMS 4933 | Extrusions & Flash Welded Rings – 8Al 1Mo 1V – Solution Heat Treated & Stabilized |
| AMS 4934 | Extrusions & Flash Welded Rings - 6Al 4V – Solution Heat Treated & Aged |
| AMS 4935 | Extrusions & Flash Welded Rings – 6Al 4V – Annealed, Beta Processed |
| AMS 4936 | Extrusions & Flash Welded Rings – 6Al 4V – Beta Processed |
| AMS 4941 | Tubing, Welded – Annealed – 40,000psi Yield |
| AMS 4942 | Tubing, Seamless – Annealed – 40,000 psi Yield |
| AMS 4943 | Tubing, Seamless – Annealed – 3.0Al 2.5V |
| AMS 4944 | Tubing, Seamless – hydraulic – 3.0Al 2.5V – Cold Worked, Stress Relieved |
| AMS | Wire, Welding – Commercially Pure |

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| AMS 4953 | Wire, Welding – 5Al 2.5Sn |
| AMS 4954 | Wire, Welding –6Al 4V |
| AMS 4955 | Wire, Welding – 8Al 1Mo 1V |
| AMS 4956 | Wire, Welding – 6Al 4V – Extra Low Interstitial, Environment Controlled |
| AMS 4957 | Bars & Wire, 3Al-8V-6Cr-4Mo-4Zr, Consumable Electrode Melted, Cold Drawn |
| AMS 4958 | Bars & Rod – 3Al-8V-6Cr-4Mo-4Zr, Consumable Electrode Melted, Solution Heat Treated & Centerless Ground |
| AMS 4959 | Wire – 13.5V 11Cr 3Al – Spring Temper |
| AMS 4965 | Bars, Forgings & Rings – 6Al 4V – Solution & Precipitation Heat Treated |
| AMS 4966 | Forgings – 5Al 2.5Sn – Annealed – 110,000 psi Yield |
| AMS 4967 | Rings & Forgings – 6Al 4V – Annealed, Heat Treatable |
| AMS 4970 | Bars & Forgings – 7Al 4Mo – Solution & Precipitation Heat Treated |
| AMS 4971 | Bars, Forgings & Rings – 6Al 6V 2Sn – Annealed, Heat Treatable |
| AMS 4972 | Bars & Rings – 8Al 1Mo 1V – Solution Heat Treated & Stabilized |
| AMS 4973 | Forgings – 8Al 1Mo 1V - Solution Heat Treated & Stabilized |
| AMS 4974 | Bars & Forgings – 11Sn 5.0Zr 2.3Al 1.0Mo 0.21Si - Solution & Precipitation Heat Treated |
| AMS 4975 | Bars & Rings – 6Al 2Sn 4Zr 2Mo - Solution & Precipitation Heat Treated |
| AMS | Forgings - 6Al 2Sn 4Zr 2Mo - Solution & |

4976 Precipitation Heat Treated

AMS 4979 Bars, Forgings & Rings – 6Al 6V 2Sn - Solution & Precipitation Heat Treated

AMS 4981 Bars & Forgings 6Al 2Sn 4Zr 6Mo - Solution & Precipitation Heat Treated

AMS 4983 Forgings – 10V 2Fe 3Al – Solution Heat Treated & Aged

MILITARY SPECIFICATIONS

Mil-T-9046H Titanium & Titanium Alloy Sheet, Strip & Plate

Type I – Commercially Pure: Composition A – CP GR 2 (40 KSI)
Composition B – CP GR 4 (70 KSI)
Composition C – CP GR 3 (55 KSI)

Type II – Alpha Alloys: Composition A - 5Al-2.5Sn
Composition B - 5Al-2.5Sn ELI
Composition F – 8Al-1Mo-1V
Composition G – 6Al-2Cb-1Ta-.8Mo

Type III – Alpha-Beta Alloys: Composition C – 6Al-4V
Composition D – 6Al-4V ELI
Composition E – 6Al-6V-2Sn
Composition G – 6Al-4Sn-4Zr-2Mo
Composition H – 6Al-4V SPL

Type IV – Beta Alloys Composition A – 13Al-11Cr-3Al
Composition B – 11.5Mo-6Zr-4.5Sn (Beta III)
Composition C – 3Al-8V-6Cr-4Mo-4Zr (Beta C™)(10)

MIL-T-9046J Titanium & Titanium Alloy Sheet, Strip & Plate

Commercially Pure (CP) CP-1 – Grade 4 (70 KSI)
CP-2 – Grade 3 (55 KSI)
CP-3 – Grade 2 (40 KSI)
CP-4 – Grade 1 (25 KSI)

Alpha Alloys (A) A-1 – 5Al-2.5Sn
A-2 – 5Al-2.5Sn (ELI)

A-3 – 6Al-2Cb-1Ta-.8Mo
A-4 – 8Al-1Mo-1V

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| Alpha-Beta Alloys (AB) | AB-1 – 6Al-4V AB-2 – 6Al-4V (ELI) AB-3 – 6Al-6V-2Sn AB-4 – 6Al-2Sn-4Zr-2Mo AB-5 – 3Al-2.5V AB-6 – 8Mn |
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| Beta Alloys (B) | B-1 – 13V-11Cr-3Al B-2 – 11.5Mo-6Zr-4.5Sn (Beta III) B-3 – 3Al-8V-6Cr- ϕ Mo- ϕ zr (Beta C™)(10) B-4 – 8Mo-8V-2Fe-3Al |
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MIL-T-9047E Titanium & Titanium Alloy Bars & Reforging Stock

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| Alpha Alloys | Composition 1 – Unalloyed Composition 2 – 5Al-2.5Sn Composition 3 – 5Al-2.5Sn ELI Composition 5 – 5Al-1Mo-1V |
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| Alpha-Beta Alloys | Composition 6 – 6Al-4V Composition 7 – 6Al-4V ELI Composition 8 – 6Al-6V-2Sn Composition 9 – 7Al-4Mo Composition 10 – 11Sn-5Zr-2Al-1Mo Composition 11 – 6Al-2Sn-4Zr-2Mo Composition 14 – 6Al-2Sn-4Zr-6Mo |
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| Beta Alloys | Composition 12 – 13V-11Cr-3Al Composition 13 – 11.5Mo-6Zr-4.5Sn (Beta III) |
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MIL-T-9047G Titanium & Titanium Alloy Bars & Reforging Stock, Aircraft Quality

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| Commercially Pure | TI-CP-70 (Grade 4) |
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| Alpha Alloys | Ti – 5Al-2.5Sn Ti – 5Al-2.5Sn (ELI) 6Al-2Cb-1Ta-.8Mo |
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8Al-1Mo-1V

**Alpha-Beta
Alloys**

Ti - 3Al-2.5V

Ti - 6Al-4V

Ti - 6Al-4V (ELI)

Ti - 6Al-6V-2Sn

Ti - 6Al-2Sn-4Zr-2Mo

Ti - 6Al-2Sn-4Zr-6Mo

Ti - 7Al-4Mo

Beta Alloys

Ti - 8Mo-8V-2Fe-3Al

Ti - 11.5Mo-6Zr-4.5Sn (Beta III)

Ti - 3Al-8V-6Cr-4Mo-4Zr (Beta C™)(10)

Ti - 13V-11Cr-3Al