

# OVERVIEW AMS SPECIFICATIONS TITANIUM ALLOYS

AMS	TITANIUM ALLOYS	UNS
4900K	Sheet, Strip, and Plate, Annealed, 55 ksi (379 MPa) Yield Strength (Jul 91)	R50550
4901M	Sheet, Strip, and Plate, Annealed, 70 ksi (485 MPa) Yield Strength (Jul 91)	R50700
4902F	Sheet, Strip, and Plate, Annealed, 40 ksi (276 MPa) Yield Strength (Jul 91)	R50400
4905B	Plate, Damage-Tolerant Grade, 6Al 4V, Beta Annealed (Mar 94)	R56400
4906	Sheet and Strip, Continuously Rolled 6Al 4V, Annealed (Nov 69) NONCURRENT Apr 82	R56400
4907F	Sheet, Strip, and Plate, 6.0Al 4.0V, Extra Low Interstitial, Annealed (May 94)	R56401
4908F	Sheet and Strip, 8Mn, Annealed, 110 ksi (760MPa) Yield Strength (Apr 88)(R93)NONCURRENT Apr 94	R56080
4909E	Sheet, Strip, and Plate, 5Al 2.5Sn, Extra Low Interstitial, Annealed (Jan 92)	R54521
4910K	Sheet, Strip, and Plate, 5Al 2.5Sn, Annealed (Mar 94)	R54520
4911G	Sheet, Strip, and Plate, 6Al 4V, Annealed (Mar 94)	R56400
4911A	Sheet, Strip, and Plate, 6Al 4V, Annealed (Jun 94)	R56400
4912	Cancelled (Apr 92)	
4913	Cancelled (Apr 92)	
4914A	Sheet and Strip, Cold Rolled, 15V 3Al 3Cr 3Sn, Solution Heat Treated (Jul 92)	R58153
4915G	Sheet, Strip, and Plate, 8Al 1V 1 Mo, Single Annealed (Jul 90)	R54810
4916F	Sheet, Strip, and Plate, 8Al 1 Mo 1V, Duplex Annealed (Apr 90)	R54810
4917E	Sheet, Strip, and Plate, 13.5V 11Cr 3.0Al, Solution Heat Treated (Apr 90)	R58010
4918G	Sheet, Strip, and Plate, 6Al 6V 2Sn, Annealed (Oct 91)	R56620
4919C	Sheet, Strip, and Plate, 6Al 2Sn 4Zr 2Mo 0.08Si, Duplex Annealed (Oct 89)	R54620
4920A	Forgings, 6Al 4V, Alpha-Beta or Beta Processed, Annealed (Apr 90)	R56400
4921G	#Bars, Wire Forgings, and Rings, 70 ksi (485 MPa) Yield Strength (Oct 91)	R50700
4922	Tubing, Seamless, Hydraulic, 15V 3.0Cr 3.0Al 3.0Sn, Cold Worked and Precipitation Heat Treated (Oct 90)	
4923	Cancelled (Jun 74)	
4924D	Bars, Forgings, and Rings 5Al 2.5Sn, Extra Low Interstitial, Annealed (Jan 85)	R54521
4925	Cancelled (Oct 82)	
4926J	Bars and Rings, 5Al 2.5Sn, Annealed, 110ksi (758 MPa) Yield Strength (Aug 94)	R54520
4927	Cancelled (Jun 74)	
4928N	#Bars, Wire, Forgings, and Rings, 6Al 4V, Annealed (Apr 93)	R56400
4929	Cancelled (Dec 74)	
4930D	Bars, Wire, Forgings and Rings, Extra Low Interstitial, Annealed (Oct 90)	R56401
4931A	Bars, Forgings, and Rings, 6Al 4V, Extra Low Interstitial, Duplex Annealed, Fracture Toughness (Apr 93)	R56401
4932	Sheet, 6Al 4V, Driver Sheet (Apr 90)	R56400
4933B	Extrusions and Flash Welded Rings, 8Al 1 Mo 1V, Solution Heat Treated and Stabilized (Jan 90)	R54810
4934C	Extrusions and Flash Welded Rings, 6Al 4V, Solution Heat Treated and Aged (Jan 94)	R56400
4935F	#Extrusions and Flash Welded Rings, 6Al 4V, Annealed, Beta Processed (Apr90)	R56400
4937	Extrusions and Flash Welded Rings, 6Al 6V 2Sn, Beta Extruded Plus Annealed, Heat Treated (Jul 92)	R56620
4941C	#Tubing, Welded, Annealed, 40,000psi (275 MPa) Yield Strength (Apr 84)	R50400
4942C	+ Tubing, Seamless, Annealed, 40,000 psi (275 MPa) Yield Strength (Apr 84)	R50400
4943D	Tubing, Seamless, Hydraulic, 3.0 Al 2.5V, Annealed (Oct 86)	R56320
4944D	#Tubing, Seamless, Hydraulic, 3.0 Al 2.5V, Cold Worked, Stress Relieved (Oct 86)	R56320
4945A	Titanium Alloy Tubing, Seamless, Hydraulic, 3Al 2.5V, Texture Controlled, 105 ksi (724 MPa) Yield Strength, Cold Worked, Stress Relieved (Oct 92)	R56320
4951F	#Wire, Welding, Commercially Pure, Environment Controlled Packaging (Jul 90)	R50550
4952	Wire, Welding, 6Al 2Sn 4Zr 2Mo (Jul 88)	R54620
4953C	Wire, Welding, 5Al 2.5Sn (Apr 90)	R54520
4954E	Wire, Welding, 6Al 4V (Apr 90)	R56400
4955C	Wire, Welding, 8Al 1Mo 1V (Apr 90)	R54810
4956C	+Wire, Welding, 6Al 4V, Extra Low Interstitial, Environment Controlled Packaging (Apr 90)	R56402
4957A	Bars and Wire, 3 Al 8V 6Cr 4Mo 4Zr, Consumable Electrode Melted, Cold Drawn (Apr 93)	R58640
4958A	Bars and Rods, 3Al 8V 6Cr 4Mo 4Zr, Consumable Electrode Melted, Solution Heat Treated and Centerless Ground (Jul 89)	R58640
4959C	Wire, 13.5V 11Cr 3Al, Spring Temper (Jan94)(R-92)	R58010
4965F	#Bars, Wire, Forgings, and Rings, Solution and Precipitation Heat Treated (Oct 90)	R56400
4966K	#Forgings, 5Al 2.5Sn, Annealed, 110 ksi (758MPa) Yield Strength (Jun 94)	R54520
4967G	Bars, Forgings, and Rings, 6Al 4V, Annealed, Heat Treatable (Jan 94)	R56400
4968	Cancelled (Dec 74)	
4969	Cancelled (Jun 74)	
4970F	Bars, Wire, and Forgings, 7Al 4Mo, Solution and Precipitation Heat Treated (Apr 90)	R56740
4971D	Alloy, Bars, Wire, Forgings, and Rings, 6Al 6V 2Sn, Annealed, Heat Treatable (Oct 91)	R56620
4972D	Bars, Wire, and Rings, 8Al 1Mo 1V, Solution Heat Treated and Stabilized (Jan 90)	R54810
4973D	Forgings, 8Al 1Mo 1V, Solution Heat Treated and Stabilized (Oct 90)	R54810
4975G	Bars, Wire and Rings, 6.0Al 2.0Sn 4.0 Zr 2.0Mo 0.08Si, Solution and Precipitation Heat Treated (Jun 94)	R54620
4976E	# Forgings, 6.0Al 2.0Sn 4.0Zr 2.0Mo, Solution and Precipitation Heat Treated (Jul 94)	R54620
4977	Cancelled (Jan 93)	
4978C	Bars, Wire, Forgings and Rings, 6Al 6V 2Sn, Annealed (Oct 89)	R56620
4979C	Bars, Wire, Forgings and Rings, 6Al 6V 2Sn, Solution and Precipitation Heat Treated (Jan 92)	R56620
4980	Cancelled (Jan 93)	
4981C	Bars, Wire, and Forgings, 6.0Al 2.0Sn 4.0Zr 6.0Mo, Solution and Precipitation Heat Treated (Jan 90)	R56260
4982B	#Wire, 44.5Cb (Jan 94)	R58450
4983A	Forgings, 10V 2.0Fe 3.0Al, Consumable Electrode Melted, Single Solution Heat Treated and Aged 180,000 psi (1240 MPa) Tensile Strength (Jan 87)	R56410
4984	Forging, 10V 2Fe 3Al, Consumable Electrode Melted, Solution Heat Treated and Aged, 173,000 psi (1190 MPa) Tensile Strength (Jan 87)(R-92)	R56410
4985A	Castings, Investment or Rammed Graphite, 6Al 4V, Annealed (Jul 83)	R56401
4986	Forgings, 10V 2Fe 3Al, Consumable Electrode Melted, Solution Heat Treated and Aged, 160,000 psi (1105MPa) Tensile Strength (Jan 87)(R-92)	R56410
4987	Forgings, 10V 2Fe 3Al, Consumable Electrode Melted, Solution Heat Treated and Overaged, 140,000 psi (965 MPa) Tensile Strength (Jan 87)(R-92)	R56410
4991A	Castings, Investment, 6Al 4V, Annealed (Oct 87)	R56401
4993B	Compacts for B-Nuts, 6Al 4V, Blended Powder Product (Feb 94)	R56400
4994	Powdered Metal Products, 6Al 4V, Hot Isostatically Pressed, Annealed (Jul 92)	R56400
4996A	Billets and Preforms, 6Al 4V, Premium Quality, Powder-Metallurgy (Mar 77)(R-84)NONCURRENT Oct 89	R56401
4997A	Powder, 5Al 2Sn 2Zr 4Cr 4Mo 0.10O, Premium Quality (Sept 77)(R-84)NONCURRENT Jul 92	R58650
4998B	Powder, 6Al 4V (Jan 93)	R56400