

SEAMLESS STAINLESS STEEL AEROSPACE TUBING



Seamless Stainless Steel Aerospace Tubing is produced by Plymouth Tube's Salisbury Mill.

SIZE RANGE:

OD: .125" - 1.00" (3.175mm - 25.4mm)
 Wall: .016" to .120" (.406mm - 3.04mm)

304/L	
Specifications	AMS 5564 (AMS-T-6845 noncurrent) AMS 5565 (AMS-T-8506 canceled, supersedes MIL-T-8506) AMS 5567 (supersedes MIL-T-8504) AMS 5569, AMS 5695
Material Type & UNS#	304,304L / S30400, S30403
Modulus of Elasticity 10 ⁶ psi (GPa)	29 (200)
Tensile Strength 1000psi (MPa)	100 (689) max
Yield Strength 0.2% offset 1000psi (MPa)	30 (207) min
Elongation %	35% min
Hardness Rockwell B	90 max
Condition	Annealed

321	
Specifications	AMS 5557 (supersedes MIL-T-8808, MIL-T-8606 inactive) AMS 5570, AMS 5897 (MIL-T-8973 canceled)
Material Type & UNS#	321, S32100
Modulus of Elasticity 10 ⁶ psi (GPa)	29 (200)
Tensile Strength 1000psi (MPa)	75 -105 (517 - 724)
Yield Strength 0.2% offset 1000psi (MPa)	30 (207) min
Elongation %	35% min
Hardness Rockwell B	90 max
Condition	Annealed

321	
Specifications	AMS 5896
Material Type & UNS#	321, S32100
Modulus of Elasticity 10 ⁶ psi (GPa)	29 (200)
Tensile Strength 1000psi (MPa)	105 - 140 (724 - 965)
Yield Strength 0.2% offset 1000psi (MPa)	75 - 110 (517 - 758)
Elongation %	20% min
Condition	As Cold Drawn

AEROSPACE TUBING

347

Specifications	AMS 5557 (supersedes MIL-T-8808, MIL-T-8606 inactive)
Material Type & UNS#	347, S34700
Modulus of Elasticity 10 ⁶ psi (GPa)	29 (200)
Tensile Strength 1000psi (MPa)	75 -105 (517 - 724)
Yield Strength 0.2% offset 1000psi (MPa)	30 (207) min
Elongation %	35% min
Hardness Rockwell B	90 max
Condition	Annealed

347

Specifications	AMS 5897 (MIL-T-8973 canceled)
Material Type & UNS#	347, S34700
Modulus of Elasticity 10 ⁶ psi (GPa)	29 (200)
Tensile Strength 1000psi (MPa)	105 -140 (724 - 965)
Yield Strength 0.2% offset 1000psi (MPa)	75 - 110 (517 -758)
Elongation %	20% min
Condition	As Cold Drawn

625

Specifications	AMS 5581
Material Type & UNS#	625, N06625
Modulus of Elasticity 10 ⁶ psi (GPa)	30 (205)
Tensile Strength 1000psi (MPa)	125 (860)
Yield Strength 0.2% offset 1000psi (MPa)	65 (450)
Elongation %	45%
Condition	Annealed

Canceled or inactive MIL-T and AMS-T specifications are referenced for replacement purposes and should not be specified for new designs. Properties are a function of tubing diameter and wall thickness, refer to specification details.



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