

AMS 4900, Titanium Grade 3 Sheets and Plates

Typical Applications

Welded aerospace ducting

Structural aerospace components

Metal Finishing



Titanium Grade 3 is a commercially pure form of titanium.

It is widely used because it combines excellent formability and moderate strength (slightly higher than that of Grade 2) with superior corrosion resistance. This combination of properties makes Grade 3 titanium (ASTM B265, AMS 4900) ideal for a large variety of chemical and marine as well as aerospace and medical applications where strength is a consideration.

Related Products

6246

6Al4V Bar

6Al4V Sheet

Grade 1 Sheet Plate

Grade 2 Bar

Grade 2 Sheet Plate

Grade 2 Tube Welded

Grade 3 Sheet Plate

Grade 4 Bar

Grade 4 Sheet Plate

Grade 9 Tube

Technical specification

Related Specifications

ASTM B265

ASME SB-265

AMS 4900

Specific Gravity

4.51 g/cm³

Chemical Composition (WT %)

	Min	Max
C	-	0.08
N	-	0.05
O	-	0.35
Ti	-	Bal

Fe	-	0.30
H	-	0.015
Other	-	0.40

Typical Mechanical Properties in the Annealed condition

0.2% Proof Stress	MPA	Min	380
Tensile Strength	MPA	Min	450
Elongation	%	Min	18
Reduction of Area	%		30
Hardness	HRB		90

The data are based on typical values and a minimum only. It is not intended for general reference. Values may vary with a range of test sizes, ages or grades of the steel specification. Mechanical properties are not guaranteed with different supply conditions or heat treatments (except with specific treatments).

The values are not to be used as a basis for design. They are intended to provide a guide to the minimum mechanical properties of the steel. The values are not intended to be used as a basis for design.

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Need more information? **Get in touch**

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