

# AMS 4921, Titanium Grade 4 Bar

## Typical Applications

Aerospace Components

Cryogenic vessels

Hydrometallurgy

Medical and Dental devices

*Titanium Grade 4 is a commercially pure form of titanium and has the highest strength of all the commercially pure titaniums.*

It has excellent corrosion resistance in a wide variety of environments. Grade 4 (ASTM B348, AMS 4921, UNS R50700) can be found in aerospace, medical and industrial applications where high strength is needed.

## Technical specification

### Related Specifications

ASTM B348

TA 7

AMS 4921

ASTM F67

UNS R50700

Mil T 9047

### Specific Gravity

4.51 g/cm<sup>3</sup>

### Chemical Composition (WT %)

	Min	Max
<b>C</b>	-	0.08
<b>N</b>	-	0.05

<b>O</b>	-	0.40
<b>Ti</b>	-	Bal
<b>Fe</b>	-	0.50
<b>H</b>	-	0.015
<b>Other</b>	-	0.40

*Typical Mechanical Properties in the Annealed Condition*

<b>0.2% Proof Stress</b>	MPA	483
<b>Tensile Strength</b>	MPA	552
<b>Elongation</b>	%	15
<b>Reduction of Area</b>	%	25
<b>Hardness</b>	HRB	100

Need more information? **Get in touch**

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**General Enquiries**

+44(0) 1525 217 556

Email us here

## Head Office

40 Eden Way  
Chartwell Business Park  
Leighton Buzzard  
Bedfordshire  
LU7 4FY

T: +44 (0)1525 217 556

## Conversion Centre

Suite 2 Meadowhall Riverside  
Meadowhall Road  
Sheffield  
South Yorkshire  
S9 1BW

T: +44 (0)1143 030 320

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