## 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/cm3

### Chemical Composition (WT %)

	Min	Max
С	-	0.08
N	-	0.05

27/10/2025 00:47 1 of 3

O	-	0.40
Ti	-	Bal
Fe	-	0.50
Н	<del>-</del>	0.015
Other	-	0.40

# Typical Mechanical Properties in the Annealed Condition

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

Need more information? Get in touch

### **General Enquiries**

+44(0) 1525 217 556

27/10/2025 00:47 2 of 3

#### 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

#### **Useful Links**

Privacy Policy

#### Sitemap





27/10/2025 00:47 3 of 3