



Titanium Grade 2

Titanium Grade 2 offers both excellent corrosion resistance and high impact toughness along with good formability, strength, weldability and ductility.

Titanium Grade 2 are used in a variety of applications where a high strength, low weight ratio is important. This would include various applications such as biomedical implants, chemical industries, power generation and oil & gas extraction. Grade 2 is considered commercially pure titanium and is most commonly used in applications that require welding.

Titanium Grade 2 Grades & Equivalents:

- ASME SB348
- ASTM B348
- AMS4921
- R50400

Typical Chemical Analysis

C	Si	Mn	P	S	Cr	Ni	Mo
0.08							
W	N	Cb/Nb	Ti	Co	Cu	Al	B
	0.03		Balance				
V	Fe	Mg	Ta	Ca	O	Bi	Se
	0.30				0.25		
Sn	Zn	Pb	Y	Cb/Nb + Ta	Ni + Co	H	PREN
						0.015	

Typical Mechanical Properties

Tensile Strength	345 N/mm ² min
0.2% Proof Stress	275 N/mm ² min
Elongation	20%
Reduction of Area	30%
Hardness	
Impacts	
Stress Rupture	
Other Remarks	

Product Forms Available:

- Hexagon Head Bolts
- Hexagon Nuts
- Studbolts
- Socket Capscrews
- Socket Countersunk Screws
- Socket Setscrews
- & Many other special fasteners and bespoke machined parts

Products can be produced to customer drawings or relevant British (BS), American (ASME, ANSI), European (DIN, UNI) or International Standards (ISO).

The size ranges M3 to M120 Metric and 3/16" to 4.75" Imperial can be supplied. Thread forms include UNC, UNS, UNF, BSW, BSF, Whitworth, Metric, Metric Fine.



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