



## Titanium Grade 5

*Titanium Grade 5 offers both excellent corrosion resistance and high impact toughness. Grade 5 is recognised as being the most used titanium grade in the world and offers good formability, strength, weldability and ductility.*

*Titanium Grade 5 is 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 5 is most commonly used in oilfields.*

### Titanium Grade 5 Grades & Equivalents:

- ASME SB-348
- ASTM B348
- R56400

### Typical Chemical Analysis

C	Si	Mn	P	S	Cr	Ni	Mo
0.08							
W	N	Cb/Nb	Ti	Co	Cu	Al	B
	0.05		Balance			5.50-6.75	
V	Fe	Mg	Ta	Ca	O	Bi	Se
3.5-4.5	0.40				0.20		
Sn	Zn	Pb	Y	Cb/Nb + Ta	Ni + Co	H	PREN
						0.015	

### Typical Mechanical Properties

Tensile Strength	895 N/mm <sup>2</sup> min
0.2% Proof Stress	828 N/mm <sup>2</sup> min
Elongation	10%
Reduction of Area	25%
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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