

TITANIUM GRADE 2 BAR - ASTM B348

Titanium Grade 2 is a commercially pure form of titanium. It is widely used because it combines excellent formability and moderate strength with superior corrosion resistance. This combination of properties makes Grade 2 titanium ideal for a large variety of chemical and marine as well as aerospace and medical applications.

Specific Gravity							
4.51 g/cm ³							
Typical Applications				Related Specifications			
Acetabular cups				ASTM B348			
Brackets				ASTM F67			
Condensers				AMS T 9047			
Cryogenic vessels				NACE MR01-75			
Jigs				UNS R50400			
Cathodes				W.Nr 3.7034			
Chemical Composition (Wt %)							
	C	N	O	Ti	Fe	H	Other
Min	–	–	–	–	–	–	–
Max	0.08	0.03	0.250	Bal	0.30	0.015	0.40
Typical Mechanical Properties in the Annealed condition							
0.2% Proof Stress	Tensile Strength	Elongation	Reduction of area	Hardness			
MPA	MPA	%	%	HRB			
Min	Min	Min					
275	345	20	30	80			

* This data has been supplied in good faith and is indicative only. It has been provided for general information purposes only and is not to be relied upon in place of the full specification. Mechanical properties can vary considerably with different supply conditions such as heat treatment or temper and product dimensions.

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