

BS TA11, TITANIUM 6AL4V BAR | AMS 4928

BS TA11 TITANIUM 6AL4V BAR

Titanium 6al4v Bar 6AL4V (AMS 4928) is an alpha beta titanium alloy that is heat treatable to achieve moderate increases in strength. It offers a combination of lightweight, high strength, formability and corrosion resistant making 6AL4V very attractive to a number of different applications both in aerospace, motorsport and medical circles.

Specific Gravity									
4.484 g/cm ³									
Typical Applications					Related Specifications				
Medical Implants Turbine Blades Fasteners Motor Racing applications Aircraft Structural Components					AMS 2631C AMS 4928 AMS 4965 AMS 4967 AMS 6931 AMS STD 2154 AMS T 9047 ASTM B348 BS TA11 TA28 ISO 5832-3 W.Nr 3.7164/5 ASTM F136 UNS R56400 MSRR 8652 MSRR 8614				
Chemical Composition (Wt %)									
	C	Al	N	O	Ti	V	Fe	H	Y
Min	–	5.5	–	–	–	3.50	–	–	–
Max	0.08	6.75	0.05	0.2	Bal	4.50	0.25	0.01	0.005

Typical Mechanical Properties in the Annealed condition

0.2% Proof Stress	Tensile Strength	Elongation	Reduction of area	Hardness
MPA	MPA	%	%	HRC
Min	Min	Min	Min	
862	900	10	25	36

* 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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