

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/cm3									
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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