

TITANIUM GRADE 9 TUBING

Titanium 3AL2.5V is intermediate in strength between unalloyed Titanium and Titanium 6AL4V. It is generally used in the cold worked and stress relieved condition. (AMS 4944, AMS 4945, UNS R56320, ASTM B338)

Specific Gravity							
4.484 g/cm3							
Typical Applications					Related Specifications		
Hydraulic Systems					AMS 4944		
Fuel Systems					AMS 4945		
Bicycle Frames					UNS R56320		
Sports Equipment					ASTM B338		
Chemical Composition (Wt %)							
	Al	V	Fe	N	O	C	H
Min	2.5	2.0	–	–	–	–	–
Max	3.5	3.0	0.30	0.02	0.12	0.05	0.0125
Typical Mechanical Properties							
	0.2% Proof Stress		Tensile Strength		Elongation		
	MPA		MPA		%		
	Min		Min		Min		
Ann	515		620		15		
CWSR	725		860		10		

* 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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