

## AMS 4944, AMS 4945 - 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/cm <sup>3</sup>							
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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