

## AMS 5667, AMS 5542, AMS 5598 - X750 NICKEL ALLOY

Alloy X750 (AMS 5542, AMS 5598, AMS 5667) is a precipitation-hardenable nickel chromium alloy, offering good strength and corrosion resistance at elevated temperatures. Nickel Alloy X750 can be used in applications that range from gas turbines and rocket engines, to springs and fasteners used at cryogenic temperatures.

Specific Gravity						
Typical Applications				Related Specifications		
Gas Turbines Rocket Engines Springs				AMS 5542 AMS 5598 AMS 5667 ASTM B637		
Chemical Composition (Wt %)						
Min						
Max						
Typical Mechanical Properties						
	0.2% Proof Stress	Tensile Strength	Elongation	Reduction of area	Hardness	
Content						
Hardness after Heat Treatment						

\* 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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