

## NICKEL ALLOY MP159® BAR

MP159 is a nickel cobalt based alloy with the same characteristics as MP35N. MP159 alloy is an ultra high strength material, with good toughness, ductility and excellent corrosion resistance an through work strengthening and aging achieves an ultimate tensile figure in excess of 1830 MPa.

Specific Gravity							
8.37 g/cm <sup>3</sup>							
Typical Applications				Related Specifications			
Fasteners				AMS 5841			
Jet Engine components				AMS 5842			
Prosthetic devices				AMS 5843			
Marine Applications				UNS R30195			
Chemical Composition (Wt %)							
Ni	Co	Cr	Fe	Mo	Ti	Cb	Al
25.5	35.7	19.0	9.0	7.0	3.0	6.0	0.2
Typical Mechanical Properties							
	0.2% Proof Stress	Tensile Strength	Elongation	Reduction of area			
Condition Annealed	MPA	MPA	%	%			
1925 deg f/4 hrs/WQ	400	850	60	69			

\* 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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