

Nickel Alloy Mp159® Bar

Typical Applications

Fasteners

Jet Engine components

Prosthetic devices

Marine Applications



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 and through work strengthening and aging achieves an ultimate tensile figure in excess of 1830 MPa.

Related Products

Alloy 200 201

Alloy 625 Bar

Alloy 625 Sheet And Plate

Alloy 718 Bar

Alloy 718 Sheet Plate

Alloy 75

Alloy 80A

Alloy X750

Alloy X Bar

Alloy X Sheet Plate

C263

Mp159 R Bar

Mp35N R

Rene 41

Waspaloy

Alloy 90

Alloy 901

Technical specification

Related Specifications

AMS 5841

AMS 5842

AMS 5843

UNS R30195

Specific Gravity

Chemical Composition (WT %)

Ni	25.5
Co	35.7
Cr	19.0
Fe	9.0
Mo	7.0
Ti	3.0
Cb	6.0
Al	0.2

Typical Mechanical Properties

	Condition Annealed	1925 deg f/4 hrs/WQ
0.2% Proof Stress	MPA	400
Tensile Strength	MPA	850
Elongation	%	60
Reduction of area	%	69

