

AMS 5844, AMS 5845 - NICKEL ALLOY MP159® BAR

Alliage de nickel MP35N® (AMS 5844, AMS 5845) est un alliage de nickel-cobalt à ultra haute résistance, offrant une bonne ductilité, une bonne résistance à l'oxydation et à la corrosion, qui est durci par écrouissage et vieillissement.

Specific Gravity																																									
Typical Applications			Related Specifications																																						
Fasteners			AMS 5844 AMS 5845																																						
Chemical Composition (Wt %)																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> </tr> <tr> <td style="text-align: center;">Min</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td style="text-align: center;">Max</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>																		Min												Max											
Min																																									
Max																																									
Typical Mechanical Properties																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 10%;">0.2% Proof Stress</th> <th style="width: 10%;">Tensile Strength</th> <th style="width: 10%;">Elongation</th> <th style="width: 10%;">Reduction of area</th> <th style="width: 10%;">Hardness</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Content</td> <td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>							0.2% Proof Stress	Tensile Strength	Elongation	Reduction of area	Hardness	Content																													
	0.2% Proof Stress	Tensile Strength	Elongation	Reduction of area	Hardness																																				
Content																																									
Hardness after Heat Treatment																																									

* Every effort has been made to ensure that our technical specifications are accurate. However, technical specifications included within Dynamic Metals Ltd should be used as a guideline only and are subject to change without notice.

General Enquiries

T: +44 (0) 1525 217 556 [_\(tel:+4401525217556\)](tel:+4401525217556)

E: sales@dynamicmetalsltd.com [_\(mailto:sales@dynamicmetalsltd.com\)](mailto:sales@dynamicmetalsltd.com)



UK Address:

Head Office

40 Eden Way
Chartwell Business Park
Leighton Buzzard
Bedfordshire
LU7 4FY

T: +44 (0)1525 217 556 [_\(tel:+441525217556\)](tel:+441525217556)

Conversion Centre

Suite 2 Meadowhall Riverside
Meadowhall Road
Sheffield
South Yorkshire
S9 1BW

T: +44 (0)1143 030 320 [_\(tel:+4401143030320\)](tel:+4401143030320)

Registered Office (only)

The Granary
Crowhill Farm Ravensden Road
Wilden
Bedfordshire
MK44 2QS

T: +44 (0)1525 217 556 [_\(tel:+441525217556\)](tel:+441525217556)



[\(/media/zn2dbklo/cyber-essentials-certified-plus.png\)](#)



[\(/media/dyelbliq/cyber-essentials-certified.png\)](#)