



**Astrolite / Tricor Alloys**  
**California Division**  
 201 Bernoulli Circle, Units B & C  
 Oxnard, CA 93030  
 Phone: 805-487-7131  
 Fax: 805-487-9694

**Tricor Metals**  
**Ohio Division & Corp. H.Q.**  
 3225 W. Old Lincoln Way  
 Wooster, Ohio 44691  
 Phone: 330-264-3299  
 Fax: 330-264-1181

**Tricor Metals**  
**Texas Division**  
 3517 North Loop 336 West  
 Conroe, Texas 77304  
 Phone: 936-273-2661  
 Fax: 936-273-2669

**Tricor Metals**  
**Michigan Division**  
 44696 Helm St.  
 Plymouth, MI 48170  
 Phone: 734-454-3485  
 Fax: 734-454-7110

[www.astrolite.com](http://www.astrolite.com)

[www.tricormetals.com](http://www.tricormetals.com)

## Astrolite<sup>®</sup> Haynes<sup>®</sup> 282<sup>®</sup> (AMS# – Not available)

### Product Description:

Astrolite<sup>®</sup> Haynes<sup>®</sup> 282<sup>®</sup> alloy is a wrought, gamma-prime strengthened superalloy developed for high temperature structural applications, especially those in aero and industrial gas turbine engines. The excellent creep strength in the temperature range of 1200 to 1700°F (649 to 927°C) surpasses that of Waspaloy, and approaches R-41 alloy without sacrificing weldability.

Astrolite<sup>®</sup> Haynes<sup>®</sup> 282 UltraGrade™ surface finish on the spooled wire promotes smooth feeding through welding equipment which may result in reduced tip wear in contact tips.

Astrolite<sup>®</sup> UltraGrade™ wire cleaning processes insure very clean wire surface for reliable welding performance.

### Specifications:

AMS# - not available, AWS# - not available, UNS N07208.

### Nominal Composition (% by weight) & Mechanical properties:

Nickel	57 balance
Chromium	20
Cobalt	10
Molybdenum	8.5
Titanium	2.1
Aluminum	1.5
Iron	1.5 max
Other interstitials	Unreported

Tensile (ksi)	124.7
Density (LBs/Cubic inch)	0.299

### Available Product Forms and Sizes, Packaging & Identification:

Straight Lengths	Spooled
AMS-2813 – Standard packaging AMS-2814 – Premium packaging <i>available upon request</i> Vapor barrier packaging <i>available upon request</i> . <i>1 LB and 5 LB bags available.</i>	Precision layer wound, with controlled cast and helix AMS-2813 – standard packaging AMS-2814 – Premium, vapor barrier packaging <i>available upon request</i> .
36" (914 mm) – Standard length. Other lengths <i>available on request</i> . <b>Flag tagged</b> on one end per AMS-2816. <i>Tagging of both ends available upon request.</i> <b>Color coding</b> to AMS-2819 or customer-specific specification is <i>available upon request</i> .	12" – Standard spool diameter <i>Other spool diameters; 4" &amp; 8" diameter spools available on request.</i>
<b>Diameters:</b> 0.020", 0.025", 0.030", 0.035", 0.040", 0.045", 0.062", 0.078", 0.093", 0.125"	<i>Upon request special diameters and shapes may be available.</i>

### DFARS Compliant

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