



**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

www.tricormetals.com

Astrolite® 410 Stainless

Astrolite 5776

Product Description:

Astrolite® 410 Stainless (also known as 410SS, 12.5Cr 0.1C—Fe) is hardenable, martensitic stainless steel, which combines superior wear resistance of high carbon alloys with the excellent corrosion resistance of chromium stainless steels. 410 Stainless is used where strength, hardness, and/or wear resistance must be combined with corrosion resistance. 410 Stainless is used in aerospace, automotive, petrochemical and medical applications.

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

Astrolite UltraGrade™ wire cleaning processes insure very clean wire surface for reliable welding performance.

Specifications:

AMS5776, AWS A5.9 ER410, UNS S41001, MSRR9500/205

Nominal Composition (% by weight) & Mechanical properties:

Iron	Bal
Chromium	11.5 – 13.5
Manganese	1 max
Silicon	1 max
Other interstitials	Unreported

Tensile (ksi)	74
Density (LBs/Cubic inch)	0.278

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> . Flag tagged on one end per AMS-2816. <i>Tagging of both ends available upon request.</i> Color coding to AMS-2819 or customer-specific specification is <i>available upon request</i> .	12" – Standard spool diameter <i>Other spool diameters; 4" & 8" diameter spools available on request.</i>
Diameters: 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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