



**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® Alloy 694 (AMS# N/A)

Product Description:

Astrolite® Alloy 694 (also known as CM64, Coast Metal 64, Cobalt 694, PWA-694, Stellite 694) is a cobalt-chromium-tungsten alloy providing high strength and stability at temperatures up to 2100°F. Deposits of alloy 694 have outstanding resistance to wear, erosion, creep, thermal fatigue and oxidation. The principal application is for hard-facing turbine blade interlock surfaces. Used in gas turbine parts where a higher hardness than Alloy 31 is required.

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:

AMS # (not available), UNS, MSRR 9500/226, B50TF55, PWA, M3820, EMS 56701, DMR 34.070 MTS 1087A

Nominal Composition & Mechanical properties:

Cobalt	54 (Balance)
Chromium	28
Tungsten	20
Nickel	5
Iron	3
Silicon	3
Carbon	1
Vanadium	1
Other interstitials	Not reported

Density (LBs/Cubic inch)	0.327
--------------------------	-------



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> .
18" & 25" (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
Diameters: 0.031", 0.035", 0.040", 0.045", 0.062", 0.093"	<i>Upon request special diameters and shapes may be available.</i>

DFARS Compliant

** The data and information contained in this pamphlet have been taken from open literature and is believed to be reliable. The information contained is intended to be used as a guide. Tricor Industrial Inc. does not make any warranty or assume any legal liability for its accuracy, completeness or usefulness. **