



AEROSPACE MATERIAL SPECIFICATION

AMS5042™**REV. N**

Issued	1940-03
Revised	2003-12
Noncurrent	2009-08
Reaf. Nonc.	2013-09
Stabilized	2017-08

Superseding AMS5042M

Steel, Sheet and Strip
0.15 Carbon, Maximum
Forming Grade

RATIONALE

AMS5042N has been stabilized as mature technology that has similar specifications.

STABILIZED NOTICE

AMS5042N has been declared "STABILIZED" by SAE AMS Carbon and Low Alloy Steels Committee E. This document will no longer be updated and may no longer represent standard industry practice. This document was stabilized because other documents contain similar but not necessarily equivalent requirements. Previously this document was reaffirmed non-current. The last technical update of this document occurred in December 2003. Users of this document should refer to the cognizant engineering organization for disposition of any issues with reports/certifications to this specification; including exceptions listed on the certification.

NOTE: In many cases, the purchaser may represent a sub tier supplier and not the cognizant engineering organization.

AMS Committee E recommends that the following similar but not identical specifications may be considered for future procurement. This listing does not constitute authority to substitute these specifications for the "STABILIZED" specification.

ASTM A109/A109M Steel, Strip, Carbon (0.25 Maximum Percent), Cold-Rolled

ASTM A1008/A1008M Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable

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Documents
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1. SCOPE:

1.1 Form:

This specification covers a carbon steel in the form of sheet and strip.

1.2 Application:

These products have been used typically for drawn and formed parts requiring a steel of moderate ductility, but usage is not limited to such applications.

2. APPLICABLE DOCUMENTS:

The issue of the following documents in effect on the date of the purchase order forms a part of this specification to the extent specified herein. The supplier may work to a subsequent revision of a document unless a specific document issue is specified. When the referenced document has been cancelled and no superseding document has been specified, the last published issue of that document shall apply.

2.1 SAE Publications:

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001 or www.sae.org.

AMS 2232	Tolerances, Carbon Steel Sheet, Strip, and Plate
AMS 2259	Chemical Check Analysis Limits, Wrought Low-Alloy and Carbon Steels
AMS 2370	Quality Assurance Sampling and Testing, Carbon and Low-Alloy Steel Wrought Products and Forging Stock
AMS 2807	Identification, Carbon and Low-Alloy Steels, Corrosion and Heat-Resistant Steels and Alloys, Sheet, Strip, Plate, and Aircraft Tubing