



AEROSPACE MATERIAL SPECIFICATION

AMS5062™

REV. J

Issued	1948-09
Revised	2004-03
Noncurrent	2009-08
Reaf. Nonc.	2013-09
Stabilized	2017-08

Superseding AMS5062H

Steel, Low Carbon
Bars, Forgings, Tubing, Sheet, Strip, and Plate
0.25 Carbon, Maximum
(Composition similar to UNS K02508)

RATIONALE

AMS5062J has been stabilized as mature technology that has similar specifications.

STABILIZED NOTICE

AMS5062J 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"STABILIZED" by SAE AMS Carbon and Low Alloy Steels Committee E. This document will no longer be updated and may no longer represent standard industry practice.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 March 2004. 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 A29/A29M	General Requirements for Steel Bars, Carbon and Alloy, Hot-Wrought
ASTM A109/A109M	Steel, Strip, Carbon (0.25 Maximum Percent), Cold-Rolled
ASTM A516/A516M	Pressure Vessel Plates, Carbon Steel, for Moderate- and Lower-Temperature Service
ASTM A519	Seamless Carbon and Alloy Steel Mechanical Tubing
ASTM A659/A659M	Commercial Steel (CS), Sheet and Strip, Carbon (0.16 Maximum to 0.25 Maximum Percent), Hot-Rolled
ASTM A668/A668M	Steel Forgings, Carbon and Alloy, for General Industrial Use
ASTM A711/A711M	Steel Forging Stock
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
ASTM A1011/A1011M	Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength

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1. SCOPE:

1.1 Form:

This specification covers low-carbon steel in the form of bars, forgings, mechanical tubing, sheet, strip, plate, and forging stock.

1.2 Application:

These products have been used typically for parts for which a wide latitude in composition is permissible and requiring no particular strength or hardness other than that inherent in steel of this type, but usage is not limited to such applications.

1.2.1 Care is required in welding in the event that carbon and manganese approach the maximum limits.

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 2231	Tolerances, Carbon Steel Bars
AMS 2232	Tolerances, Carbon Steel Sheet, Strip, and Plate
AMS 2253	Tolerances, Carbon and Alloy Steel Tubing
AMS 2259	Chemical Check Analysis Limits, Wrought Low-Alloy and Carbon Steels