



AEROSPACE MATERIAL SPECIFICATION

AMS5069™

REV. G

Issued 1959-01
Revised 2001-06
Reaffirmed 2011-05
Stabilized 2016-03

Superseding AMS5069F

Steel Bars, Forgings, and Tubing
0.15 - 0.20C (SAE 1018)
(Composition similar to UNS G10180)

RATIONALE

AMS5069G is stabilized as mature technology.

STABILIZED NOTICE

AMS5069G has been declared "STABILIZED" by AMS E Carbon and Low Alloy Steels Committee. This document will no longer be updated and may no longer represent standard industry practice. This document was stabilized because this document contains mature technology that is not expected to change and thus no further revisions are anticipated. Previously this document was reaffirmed). The last technical update of this document occurred in June 2001. 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.

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Documents

Document Sharing Hub

1. SCOPE:

1.1 Form:

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

1.2 Application:

These products have been used typically for parts requiring low strength and high 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 canceled 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.

AMS 2231 Tolerances, Carbon Steel Bars

MAM 2231 Tolerances, Metric, Carbon Steel Bars

AMS 2253 Tolerances, Carbon and Alloy Steel Tubing

MAM 2253 Tolerances, Metric, Carbon and Alloy Steel Tubing

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 2372 Quality Assurance Sampling and Testing, Carbon and Low-Alloy Steel Forgings

AMS 2806 Identification, Bars, Wire, Mechanical Tubing, and Extrusions, Carbon and Alloy Steels and Corrosion and Heat Resistant Steels and Alloys

AMS 2808 Identification, Forgings