



# AEROSPACE MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.  
485 LEXINGTON AVENUE, NEW YORK, N.Y. 10017

AMS 5062B

Superseding AMS 5062A

Issued 9-1-48

Revised 5-1-68

## STEEL, LOW CARBON

1. **ACKNOWLEDGMENT:** A vendor shall mention this specification number and its revision letter in all quotations and when acknowledging purchase orders.

2. **FORM:** Bars, forgings, mechanical tubing, sheet, strip, plate, and forging stock.

3. **APPLICATION:** Parts for which a wide latitude in composition is permissible from the service standpoint and requiring no particular strength or hardness other than that inherent in steel of this type. Care is required in welding when carbon and manganese approach the maximum limits.

4. **COMPOSITION:**

	min	max
Carbon	--	0.25
Manganese	--	1.00
Phosphorus	--	0.040
Sulfur	--	0.050

4. 1 **Check Analysis:** Composition variations shall meet the requirements of the latest issue of AMS 2259, paragraph titled "Carbon Steels" and as applicable to the form supplied.

5. **CONDITION:** Unless otherwise ordered, the product shall be furnished in the following condition:

5. 1 **Bars and Mechanical Tubing:** Cold finished and in a machinable condition.

5. 2 **Forgings:** Normalized or otherwise heat treated to produce best machining qualities.

5. 3 **Sheet, Strip, and Plate:** As rolled.

5. 4 **Forging Stock:** As ordered by the forging manufacturer.

6. **QUALITY:** Material shall be uniform in quality and condition, clean, sound, and free from foreign materials and from internal and external imperfections detrimental to fabrication or to performance of parts.

7. **TOLERANCES:** Unless otherwise specified, tolerances shall conform to all applicable requirements of the following:

7. 1 **Bars:** The latest issue of AMS 2231.

7. 2 **Tubing:** The latest issue of AMS 2253.

7. 3 **Sheet, Strip, and Plate:** The latest issue of AMS 2232.

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