



AEROSPACE MATERIAL SPECIFICATION

AMS4309™**REV. B**

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Superseding AMS4309A

Aluminum Alloy Extrusions
8.6Fe - 1.8Se - 1.3V (8009-H112)
Powder Metallurgy Product, Strain-Hardened

UNS A98009

RATIONALE

AMS4309B has been declared "STABILIZED" by AMS Committee D because it contains mature technology that is not expected to change and thus no further revisions are anticipated.

STABILIZED NOTICE

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1. SCOPE:

1.1 Form:

This specification covers an aluminum alloy powder metallurgy product in the form of round extrusions up to 3.5 inches (89 mm) in diameter and rectangular and other solid extrusions up to 10 square inches (64.5 cm²) in cross-sectional area. The maximum extrusion length is 100 inches (2.5 m).

1.2 Application:

These extrusions have been used typically for parts requiring good strength, but usage is not limited to such applications.

2. APPLICABLE DOCUMENTS:

The following publications form a part of this specification to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order.

2.1 SAE Publications:

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

AMS 2205	Tolerances, Aluminum Alloy and Magnesium Alloy Extrusions
MAM 2205	Tolerances, Metric, Aluminum Alloy and Magnesium Alloy Extrusions
AMS 2355	Quality Assurance Sampling and Testing, Aluminum Alloys and Magnesium Alloys, Wrought Products, Except Forging Stock, and Rolled, Forged, or Flash Welded Rings
MAM 2355	Quality Assurance Sampling and Testing, Aluminum Alloys and Magnesium Alloys, Wrought Products, Except Forging Stock, and Rolled, Forged, or Flash Welded Rings, Metric (SI) Units
AMS 2811	Identification, Aluminum and Magnesium Alloy Wrought Products

2.2 ASTM Publications:

Available from ASTM, 1916 Race Street, Philadelphia, PA 19103-1187.

ASTM B 660	Packaging/Packing of Aluminum and Magnesium Products
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3. TECHNICAL REQUIREMENTS:

3.1 Composition:

Shall conform to the percentages by weight shown in Table 1, determined in accordance with AMS 2355 or MAM 2355.