

ADOPTION NOTICE

SAE-AMS4389, "MAGNESIUM ALLOY EXTRUSIONS 3.0TH - 1.5MN (HM31A-T5) PRECIPITATION HEAT TREATED", was adopted on 05-MAR-92 for use by the Department of Defense (DoD). Proposed changes by DoD activities must be submitted to the DoD Adopting Activity: Commander, Defense Supply Center Philadelphia, ATTN: DSCP-ILEA, 700 Robbins Avenue, Philadelphia, PA 19111-5096. Copies of this document may be purchased from the Society of Automotive Engineers 400 Commonwealth Drive Warrendale, Pennsylvania, United States, 15096-0001. <http://www.sae.org/>

Custodians:

Navy - AS
Air Force - 11
DLA - IS

Adopting Activity:

DLA - IS

FSC 9530

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.



400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE MATERIAL SPECIFICATION

Submitted for recognition as an American National Standard



AMS 4389G

Issued	JUN 1960
Revised	JAN 1986
Noncurrent	JUL 1991
Cancelled	OCT 1998

Superseding AMS 4389F

Magnesium Alloy, Extrusions
3.0Th - 1.5Mn (HM31A-T5)
Precipitation Heat Treated

UNS M13312

CANCELLATION NOTICE

This specification has been "CANCELLED" by the Aerospace Materials Division, SAE, as of October 1998. By this action, this document will remain listed in the Numerical Section of the Index of Aerospace Material Specifications.

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

Copyright 1998 Society of Automotive Engineers, Inc.
All rights reserved.

QUESTIONS REGARDING THIS DOCUMENT:
TO PLACE A DOCUMENT ORDER:
SAE WEB ADDRESS:

(724) 772-7161
(724) 776-4970
<http://www.sae.org>

FAX: (724) 776-0243
FAX: (724) 776-0790

Distributed under license from the IHS Archive



Documents
Document Sharing Hub

1. SCOPE:

1.1 Form:

This specification covers a magnesium alloy in the form of extruded bars, rods, wire, and shapes.

1.2 Application:

Primarily for parts requiring weldability and good strength-to-weight ratio up to 600°F (315 °C).

1.3 Precautions:

Alloy covered by this specification is radioactive. All applicable rules and regulations, including those of the Nuclear Regulatory Agency, pertaining to handling of radioactive material and all licensing provisions for use of such material should be observed.

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 2350	Standards and Test Methods
AMS 2355	Quality Assurance Sampling and Testing of Aluminum Alloys and Magnesium Alloys, Wrought Products (Except Forging Stock) and Flash Welded Rings
MAM 2355	Quality Assurance Sampling and Testing of Aluminum Alloys and Magnesium Alloys, Wrought Products (Except Forging Stock) and Flash Welded Rings, Metric (SI) Units

2.2 ASTM Publications:

Available from ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

ASTM E 9	Compression Testing of Metallic Materials at Room Temperature
ASTM E 21	Elevated Temperature Tension Tests of Metallic Materials