



AEROSPACE MATERIAL SPECIFICATION

AMS4824**REV. E**

Issued	1948-05
Noncurrent	1991-07
Reaf. Noncur.	2009-06
Stabilized	2015-04

Superseding AMS4824D

Bearings, Babbitt-Coated Leaded-Bronze
Steel Back

RATIONALE

AMS4824E stabilizes this document because it represents mature technology which is not expected to change and thus no further revisions are anticipated.

STABILIZED NOTICE

AMS4824E has been declared "Stabilized" by the SAE AMS Committee D. This document will no longer be updated and may no longer represent standard industry practice. This document was stabilized because it represents mature technology which is not expected to change and thus no further revisions are anticipated. Previously this document was non-current. The last technical update of this document occurred in October, 1986. 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.

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 revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2015 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Tel: +1 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: CustomerService@sae.org
<http://www.sae.org>

SAE WEB ADDRESS:

Full document details: [SAE AMS4824E](#)

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AMS4824E>

Documents

Document Sharing Hub

1. SCOPE:
 - 1.1 Form: This specification covers bearings of a leaded bronze cast on one or both faces of a steel backing with a layer of babbitt metal cast on the leaded bronze.
 - 1.2 Application: Primarily for bushings and bearings.
2. APPLICABLE DOCUMENTS: The following publications form a part of this specification to the extent specified herein. The latest issue of Aerospace Material Specifications shall apply. The applicable issue of other documents shall be as specified in AMS 2350.
 - 2.1 SAE Publications: Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096.
 - 2.1.1 Aerospace Material Specifications:
 - AMS 2350 - Standards and Test Methods
 - AMS 2370 - Quality Assurance Sampling of Carbon and Low-Alloy Steels, Wrought Products Except Forgings and Forging Stock
 - AMS 2800 - Identification, Finished Parts
 - 2.2 ASTM Publications: Available from American Society for Testing Materials, 1916 Race Street, Philadelphia, PA 19103.
 - ASTM E18 - Rockwell Hardness and Rockwell Superficial Hardness of Metallic Materials
 - ASTM E57 - Chemical Analysis of White Metal Bearing Alloys
 - ASTM E478 - Chemical Analysis of Copper Alloys
 - 2.3 U.S. Government Publications: Available from Commanding Officer, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120.
 - 2.3.1 Military Standards:
 - MIL-STD-794 - Parts and Equipment, Procedures for Packaging and Packing of