



AEROSPACE MATERIAL SPECIFICATION

AMS4805™**REV. F**

Issued	1941-09
Revised	1986-10
Noncurrent	2007-04
Reaf Nonc	2012-09
Stabilized	2018-08

Superseding AMS4805E

Bearings, Sintered Metal Powder
89Cu – 10Sn
Oil Impregnated

RATIONALE

AMS4805F stabilizes this document because it is no longer state of the art and other documents contain similar but not necessarily equivalent requirements.

STABILIZED NOTICE

AMS4805F has been declared "STABILIZED" by SAE AMS D Nonferrous Alloys Committee. This document will no longer be updated and may no longer represent standard industry practice. This document was stabilized because it is no longer state of the art and other documents contain similar but not necessarily equivalent requirements. Previously this document was reaffirmed. 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.

AMS Committee D recommends that the following similar but not identical specifications may be considered for future procurement. This listing does not constitute authority to substitute these specifications for the "STABILIZED" specification.

ASTM B438 Bronze-Base Powder Metallurgy (PM) Bearings (Oil-Impregnated), Specifying Designation Code CTG-1001-K23

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 © 2018 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 AMS4805F

SAE values your input. To provide feedback on this
Technical Report, please visit
<http://standards.sae.org/AMS4805F>

Documents
Document Sharing Hub

1. SCOPE:

1.1 Form: This specification covers one type of sintered metal powder in the form of oil-impregnated bearings.

1.2 Application: Primarily for bearings requiring self-lubrication, low coefficient of friction, and accurate dimensions.

2. APPLICABLE DOCUMENTS: The following publications form a part for 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 2800 - Identification, Finished Parts

2.2 ASTM Publications: Available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

ASTM B438 - Sintered Bronze Bearings (Oil Impregnated)
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