

 AEROSPACE MATERIAL SPECIFICATION	MAM 2251C	
	Issued JAN 1983 Reaffirmed SEP 1998 Noncurrent MAR 2003 Cancelled JUN 2007 Superseded by AMS 2251	
Tolerances, Metric Low-Alloy Steel Bars		

RATIONALE

MAM 2251B has been designated cancelled and superseded because AMS 2251 provides equivalent technical requirements.

CANCELLATION NOTICE

This specification has been declared "CANCELLED" by the Aerospace Materials Division, SAE, as of June, 2007, and has been superseded by AMS 2251. The requirements of the latest issue of AMS 2251 shall be fulfilled whenever reference is made to the cancelled MAM 2251B. By this action, this document will remain listed in the Numerical Section of the Index of Aerospace Material Specifications noting that it is superseded by AMS 2251.

Cancelled specifications are available from SAE.

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 © 2007 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: 724-776-4970 (outside USA)
 Fax: 724-776-0790
 Email: CustomerService@sae.org
SAE WEB ADDRESS: <http://www.sae.org>

Full document details: [SAE MAM2251C](#)

AEROSPACE MATERIAL SPECIFICATION



MAM 2251B

Issued JAN 1983
Reaffirmed SEP 1998
Noncurrent MAR 2003

Superseding MAM 2251A

Tolerances, Metric
Low-Alloy Steel Bars

NONCURRENCY NOTICE

This specification has been declared "NONCURRENT" by the Aerospace Materials Division, SAE, as of March, 2003. It is recommended, therefore, that this specification not be specified for new designs.

AMS 2251 covers the same requirements.

"NONCURRENT" refers to those materials which have been widely used and which may be required on some existing designs in the future. The Aerospace Materials Division, however, does not recommend these as standard materials for future use in new designs.

"NONCURRENT" specifications are available from SAE.

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 2003 Society of Automotive Engineers, Inc.

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: 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: custsvc@sae.org
SAE WEB ADDRESS: <http://www.sae.org>

1. SCOPE:

This specification covers established metric manufacturing tolerances applicable to low-alloy steel bars ordered to metric dimensions. These tolerances apply to all conditions, unless otherwise noted. The term "exclusive" is used to apply to the higher figure of the specified range.

1.1 No clear cut demarcation is available to differentiate between bar and wire products, so no definitions of these products are included.

1.2 AMS 2251 is the inch/pound version of this MAM.

2. DIAMETER OR THICKNESS:

2.1 Cold Finished:

2.1.1 Cold Drawn: Table 1 includes tolerances for bars that have been annealed, spheroidize annealed, normalized, normalized and tempered, or quenched and tempered before cold finishing. This table does not include tolerances for bars that are spheroidize annealed, normalized, normalized and tempered, or quenched and tempered after cold finishing.

2.1.1.1 Width governs the tolerances for both width and thickness of flats. For example, when the maximum of carbon range is up to 0.28, inclusive, for a flat 50.00 millimeters wide and 25.00 millimeters thick, the width tolerance is 0.15 millimeter and the thickness tolerance is the same, namely, 0.15 millimeter.