



AEROSPACE MATERIAL SPECIFICATION	AMS5565™	REV. M
	Issued 1944-11 Reaffirmed 2006-04 Revised 2022-08	
Superseding AMS5565L		
Steel, Corrosion-Resistant, Welded Tubing 19Cr - 9.5Ni (304) Solution Heat Treated (Composition similar to UNS S30400)		

RATIONALE

AMS5565M is the result of a Five-Year Review and update of the specification. The revision prohibits unauthorized exceptions (3.7, 4.4.1, 5.2.1, 8.4), revises composition and updates analysis standards (3.1, 3.1.1), revises condition and fabrication (3.2, 3.3), updates tensile tests and notes (3.4.1, 3.4.1.1), incorporates standard hydrostatic test (3.4.4), updates quality (3.5, 4.2), adds country of origin (4.4), clarifies tolerances and identification (3.6, 5.2), adds definitions (2.3), and allows prior revisions (8.3).

1. SCOPE

1.1 Form

This specification covers a corrosion-resistant steel in the form of welded tubing.

1.2 Application

This tubing has been used typically for parts, such as fluid-conducting lines not subjected to high pressure, requiring good corrosion resistance, but usage is not limited to such applications. Welding, brazing, or other exposure to temperatures over 800 °F (427 °C) during fabrication may impair corrosion resistance.

2. APPLICABLE DOCUMENTS

The issue of the following documents in effect on the date of the purchase order forms a part of this specification to the extent specified herein. The supplier may warrant a subsequent revision of a document unless a specific document issue is specified. When the referenced document has been cancelled and no superseding document has been specified, the last published issue of that document shall apply.

2.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

AMS2243 Tolerances, Corrosion- and Heat-Resistant Steel Tubing

AMS2248 Chemical Check Analysis Limits, Corrosion- and Heat-Resistant Steels and Alloys, Maraging and Other Highly Alloyed Steels, and Iron Alloys

SAE International Standards Committee 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 © 2022 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:

For more information on this standard, visit
<https://www.sae.org/standards/content/AMS5565M/>