AEROSPACE INFORMATION REPORT

AIR1564™	REV. C

Issued 1979-02
Revised 2005-11
Reaffirmed 2013-01
Stabilized 2022-08

Superseding AIR1564B

Cross Reference for Materials for Fluid Systems Components, Including Military and Federal Specifications and Their International Equivalents

RATIONALE

This document has been determined to contain basic and stable technology which is not dynamic in nature.

STABILIZED NOTICE

This document has been declared “Stabilized” by the SAE G-3, Aerospace Couplings, Fittings, Hose, Tubing Assemblies Committee and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

SAE Executive 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
SAE WEB ADDRESS: http://www.sae.org

For more information on this standard, visit
https://www.sae.org/standards/content/AIR1564C/

Documents Document Sharing Hub

Full document details: SAE AIR1564C

1. SCOPE:

This SAE Aerospace Report (AIR) provides a cross reference for SAE material standards to other similar standards. The SAE Committee G-3 invites comments and recommendations for the addition of materials and information for inclusion into this informational report.

No attempt has been made to obtain samples of the materials or conduct physical and chemical analyses to determine if they are equivalent. Anyone using this AIR, therefore, is cautioned to verify for themselves the interchangeabillity of the specific materials.

Additional contributions of missing or supplemental data should be directed to SAE marked for the attention of Committee G-3.

2. DEFINITIONS:

AECMA	European Association of Aerospace Industries
AMS	Aerospace Material Specification
ANSI	American National Standards Institute
ASTM	American Society for Testing and Materials
BSI	British Standards Institute
FED SPEC	Federal Specification
INACTIVE PART	Indicates that material is no longer recommended for the application
ISO	International Organization for Standardization
MIL SPEC	Military Specification
UNS	Unified Numbering System for Metals and Alloys

Documents
Document Sharing Hub
Full document details: SAE AIR1564C

TABLE 1 - Corrosion Resistant Steel (CRES)
Material References in Specifications for Components Used in USA Fluid Systems

AMS	UNS	SC11-N	ISO	MIL SPEC/FED SPEC	AECMA	Alloy	ISO
Tube							
5556	S34700					30347	9532
5557	S32100					30321	9522
5560	S30400			MIL-T-8506 is cancelled and superseded by AMS-T-8506		30304	
5561	S21900					21-6-9	
5567	S30400	1001	DP9552	MIL-T-8504 (inactive) and is superseded by AMS 5567		30304	9552
5569	S30403			MIL-T-8973 (cancelled) and superseded by AMS 5897		30304L	
5570	S32100			MIL-T-8606, type 1, comp 321 (IAND)		30321	
5571	S34700			MIL-T-8606, type 1, comp 347 (IAND)		30347	
5573	S31600					30316	
Bar, Rod and Forgings							
5629						PH13-8MO	
5639	S30400			QQ-S-763 and is now AMS-QQ-S-763, Comp 304, cond A and B. "B" is allowed for MIL-H-25579		30304	9550, 9551
5643	17400	1299	DP9582		2539, 3161, 3162	17-4PH	9581, 9582
5644		1300	DP9581			17-7	
5645	S32100			QQ-S-763 and is now AMS-QQ-S-763, class 321, cond A	3487	30321	9521
5646	S34700			QQ-S-763 and is now AMS-QQ-S-763, Class 347, cond A		347 cond A	9531
5647	S30403			QQ-S-763 and is now AMS-QQ-S-763, Comp 304L, cond A		304L cond A	
5648	S31600			QQ-S-763 and is now AMS-QQ-S-763, Class 316 cond A		316 cond A	
5653	S31603			QQ-S-763 and is now AMS-QQ-S-763, Class 316L cond A		316L cond A	
5659	S15500					15-5PH	
5743	S35500					AM-355	
Wire							
5688	S30302			ASTM A 580		30302	
5689	S32100			ASTM A 580		30321	
5690	S31600			ASTM A 580		30316	
5697	S30400			ASTM A 580		30304	

Documents
Document Sharing Hub
Full document details: SAE AIR1564C