



AEROSPACE MATERIAL SPECIFICATION

AMS5523™**REV. H**

Issued	195211
Reaffirmed	2000-09
Revised	2012-01
Stabilized	2019-03

Superseding AMS5523G

Steel, Corrosion and Heat-Resistant, Sheet, Strip, and Plate
23Cr - 13.5Ni (309S)
Solution Heat Treated
(Composition similar to UNS S30908)

RATIONALE

AMS5523H stabilizes this document because it contains mature technology that is not expected to change and thus no further revisions are anticipated.

STABILIZED NOTICE

AMS5523H has been declared "STABILIZED" by SAE AMS Committee "F" Corrosion Heat Resistant Alloys 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.

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1. SCOPE

1.1 Form

This specification covers a corrosion and heat-resistant steel in the form of sheet, strip, and plate.

1.2 Application

These products have been used typically for parts requiring both corrosion and heat resistance and oxidation resistance up to 2000 °F (1093 °C), but usage is not limited to such applications. Strength at elevated temperatures is similar to the room temperature strength of 18-8 type steels.

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 work to 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 724-776-4970 (outside USA), www.sae.org.

AMS2242	Tolerances, Corrosion and Heat Resistant Steel, Iron Alloy, Titanium, and Titanium Alloy Sheet, Strip, and Plate
AMS2248	Chemical Check Analysis Limits, Corrosion and Heat-Resistant Steels and Alloys, Maraging and Other Highly-Alloyed Steels, and Iron Alloys