



AEROSPACE MATERIAL SPECIFICATION	AMS5548™	REV. R
	Issued 1958-01 Reaffirmed 2012-10 Revised 2022-09	
Superseding AMS5548P		
Steel, Corrosion- and Heat-Resistant, Sheet and Strip 16.5Cr - 4.5Ni - 2.9Mo - 0.10N 1850 to 1975 °F (1010 to 1079 °C), Annealed (Composition similar to UNS S35000)		

RATIONALE

AMS5548R is the result of a Five-Year Review and update of the specification. The revision establishes size limits and prohibits exceptions to those sizes (1.1, 3.4.4, 3.7, 4.4.2, 5.1.1, 8.5, 8.6), updates composition and reporting (3.1, 3.1.1), adds heat treatment requirements, 3.3, 3.3.1, 3.3.2), adds elongation option (Tables 2 and 3), adds strain rate control (3.4.1.1.1, 3.4.2.3), adds magnification (3.4.1.3), removes superficial hardness (3.4.1.2), adds country of origin (4.4.1), and allows prior revisions (8.4).

1. SCOPE

1.1 Form

This specification covers a corrosion- and heat-resistant steel in the form of sheet and strip from 0.0005 to 0.1874 inch (0.013 to 4.760 mm) in thickness.

1.2 Application

These products have been used typically for parts requiring high strength and oxidation resistance up to 800 °F (427 °C) and where such parts require maximum formability and do not require welding during fabrication, but usage is not limited to such applications.

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.

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