



AEROSPACE MATERIAL SPECIFICATION	AMS5599™	REV. J
	Issued 1967-11 Reaffirmed 2015-05 Revised 2022-07	
Superseding AMS5599H		
Nickel Alloy, Corrosion- and Heat-Resistant, Sheet, Strip, and Plate 62Ni - 21.5Cr - 9.0Mo - 3.7 Cb (Nb) Annealed (Composition similar to UNS N60625)		

RATIONALE

AMS5599J is the result of a Five-Year Review and update of the specification. The revision adds reporting information (3.1.2), updates surface finish (3.2.1), adds pyrometry and continuous heat treatment (3.3), adds strain rate requirements (3.4.1.3), prohibits unauthorized exceptions (3.4.1.4, 3.8, 4.4.1, 5.1.1, 8.3), and allows prior revisions (8.4).

1. SCOPE

1.1 Form

This specification covers a corrosion- and heat-resistant nickel alloy in the form of sheet, strip, and plate up to 1.000 inch (25.4 mm) in nominal thickness.

1.2 Application

These products have been used typically for parts requiring corrosion and oxidation resistance up to 2000 °F (1095 °C), particularly where such parts may 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.

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.

AMS2262 Tolerances, Nickel, Nickel Alloy, and Cobalt Alloy Sheet, Strip, and Plate

AMS2269 Chemical Check Analysis Limits, Nickel, Nickel Alloys, and Cobalt Alloys

AMS2371 Quality Assurance Sampling and Testing, Corrosion- and Heat-Resistant Steels and Alloys, Wrought Products and Forging Stock

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