



AEROSPACE MATERIAL SPECIFICATION	AMS5786™	REV. J
	Issued 1956-02 Reaffirmed 2000-09 Noncurrent 2007-11 Revised 2022-09 Superseding AMS5786H	
Nickel Alloy, Corrosion- and Heat-Resistant, Welding Wire 62.5Ni - 5.0Cr - 24.5Mo - 5.5Fe (Composition similar to UNS N10004)		

RATIONALE

AMS5786J is the result of a Five-Year Review and update of the specification. The revision prohibits unauthorized substitution (3.7, 4.4.1, 5.3.1, 8.3), updates composition requirements (3.1, 3.1.2), adds country of origin to reports (4.4), 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 welding wire.

1.2 Application

Primarily for use as bare wire filler metal for gas-tungsten-arc or gas-metal-arc welding of parts fabricated from alloys of similar or dissimilar composition, 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.

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

AMS2813 Packaging and Marking of Packages of Welding Wire, Standard Method

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