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| AEROSPACE MATERIAL SPECIFICATION | AMS4544™ | REV. J |
| | Issued 1948-05 Reaffirmed 2007-01 Revised 2022-08 | |
| Superseding AMS4544H | | |
| Nickel-Copper Alloy, Corrosion-Resistant, Sheet, Strip, and Plate 67Ni - 30Cu Annealed (Composition similar to UNS N04400) | | |

RATIONALE

AMS4544J is the result of a Five-Year Review and update of the specification. The revision prohibits unauthorized exceptions (3.6, 4.4.1, 5.1.1, 8.4), updates reporting of composition (3.1.1), revises condition (3.2.1), adds strain rate control (3.3.1.1), and allows prior revisions (8.5).

1. SCOPE

1.1 Form

This specification covers a corrosion-resistant nickel-copper alloy in the form of sheet, strip, and plate.

1.2 Application

These products have been used typically for formed or moderately drawn parts requiring corrosion resistance, 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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