



AEROSPACE MATERIAL SPECIFICATION

AMS5787™**REV. B**

Issued 1956-07
Revised 1987-01
Stabilized 2021-11

Superseding AMS5787A

Alloy Welding Electrodes, Covered, Corrosion and Heat Resistant
63Ni - 5.0Cr - 24.5Mo - 5.5Fe

UNS W80004

RATIONALE

Specification needs to be moved to stabilized from noncurrent. Should have happened in 2017.

STABILIZED NOTICE

AMS5787B has been declared "STABILIZED" by SAE Committee AMS F, Corrosion Heat Resistant Alloys. This document will no longer be updated and may no longer represent standard industry practice. This document was stabilized because this document contains mature technology that is not expected to change and thus no further revisions are anticipated. Previously this document was non-current. The last technical update of this document occurred in October 1980. Users of this document should refer to the cognizant engineering organization for disposition of any issues with reports/certifications to this specification; including exceptions listed on the certification.

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400 Commonwealth Dr., Warrendale, PA 15096

Submitted for recognition as an American National Standard

AEROSPACE MATERIAL SPECIFICATION

AMS 5787A

Issued 7-1-56

Revised 1-1-87

Superseding AMS 5787

ALLOY WELDING ELECTRODES, COVERED, CORROSION AND HEAT RESISTANT
63Ni-5.0Cr-24.5Mo-5.5Fe

UNS W80004

This specification has been declared "NONCURRENT" by the Aerospace Materials Division, SAE, as of April 8, 1986. It is recommended that this specification not be specified for new designs.

This cover sheet should be attached to the "A" revision of the subject specification.

This specification is under the jurisdiction of AMS Committee "F".

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AEROSPACE MATERIAL

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SPECIFICATION

AMS 5787A

Superseding AMS 5787

Issued 7-1-56

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UNS N10004

ALLOY WELDING ELECTRODES, COVERED, CORROSION AND HEAT RESISTANT
63Ni - 5.0Cr - 24.5Mo - 5.5Fe

1. SCOPE:

- 1.1 Form: This specification covers a corrosion and heat resistant nickel alloy in the form of covered welding electrodes.
- 1.2 Application: Primarily for shielded-metal-arc welding of parts fabricated from material of similar or dissimilar composition, particularly when the weld zone is required to have corrosion and heat resistance comparable to those of the parent metal.

2. APPLICABLE DOCUMENTS: The following publications form a part of this specification to the extent specified herein. The latest issue of Aerospace Material Specifications (AMS) shall apply. The applicable issue of other documents shall be as specified in AMS 2350.

- 2.1 SAE Publications: Available from Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale, PA 15096.

2.1.1 Aerospace Material Specifications:

AMS 2350 - Standards and Test Methods

- 2.2 ASTM Publications: Available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

ASTM E354 - Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron, Nickel, and Cobalt Alloys

- 2.3 U.S. Government Publications: Available from Commanding Officer, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120.

2.3.1 Federal Standards:

Federal Test Method Standard No. 151 - Metals; Test Methods

2.3.2 Military Specifications:

MIL-W-10430 - Welding Rods and Electrodes, Preparation for Delivery of

- 2.4 AWS Publications: Available from American Welding Society, Inc., 2501 North West 7th Street, Miami, FL 33125.

AWS A5.11 - Nickel and Nickel-Alloy Covered Welding Electrodes

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