

AEROSPACE MATERIAL SPECIFICATION



AMS 5359E

Issued	NOV 1952
Revised	APR 1987
Noncurrent	JAN 1995
Reaf. Noncur.	NOV 2000
Cancelled	MAR 2007
Superseding	AMS 5359D

Steel Castings, Sand, Corrosion and Heat Resistant
15Cr - 4.0Ni - 2.3Mo - 0.08N
Solution Heat Treated

UNS J92001

RATIONALE

AMS 5359D has been cancelled because survey of aerospace users and producers indicated that this product is not produced to this specification.

CANCELLATION NOTICE

This specification has been declared "CANCELLED" by the Aerospace Materials Division, SAE, as of March 2007. By this action, this document will remain listed in the Numerical Section of the Index of Aerospace Material Specifications indicating that it has been "CANCELLED".

Cancelled specifications are available from SAE.

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NONCURRENT NOTICE

This specification has been declared "NONCURRENT" by the Aerospace Materials Division, SAE, as of January 1995. It is recommended, therefore, that this specification not be specified for new designs.

"NONCURRENT" refers to those materials which have previously been widely used and which may be required on some existing designs in the future. The Aerospace Materials Division, however, does not recommend these as standard materials for future use in new designs. Each of these "NONCURRENT" specifications is available from SAE.

1. SCOPE:

1.1 Form:

This specification covers a corrosion and heat resistant steel in the form of sand castings.

1.2 Application:

Primarily for parts requiring corrosion resistance, high strength, and oxidation resistance up to 850° (450°C), and especially where parts require welding during fabrication.

2. APPLICABLE DOCUMENTS:

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

2.1 SAE Publications:

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096.

2.1.1 Aerospace Material Specifications:

AMS 2350	Standards and Test Methods
AMS 2635	Radiographic Inspection
AMS 2640	Magnetic Particle Inspection
AMS 2645	Fluorescent Penetrant Inspection
AMS 2694	Repair Welding of Aerospace Castings
AMS 2804	Identification, Castings

2.2 ASTM Publications:

Available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

ASTM A370	Mechanical Testing of Steel Products
ASTM E353	Chemical Analysis of Stainless, Heat-Resisting, Maraging, and Other Similar Chromium-Nickel-Iron Alloys
ASTM E446	Reference Radiographs for Steel Castings up to 2 in. (51 mm) in Thickness