

AEROSPACE MATERIAL SPECIFICATION

SAE

AMS 7238B

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Superseding	AMS 7238A

Alloy PM Shapes, Corrosion, Wear, and Heat Resistant

66Co - 30Cr - 8.25W (1.10 - 1.90C)

(Composition similar to UNS R30012)

CANCELLATION NOTICE

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Documents

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1. SCOPE:

1.1 Form:

This specification covers a corrosion, wear, and heat resistant cobalt alloy in the form of powder-metallurgy shapes.

1.2 Application:

Primarily for parts, such as nozzles, rubbing seals, rollers, guides, and supports, requiring wear, corrosion, and oxidation resistance for use up to 1600°F (870°C).

2. APPLICABLE DOCUMENTS:

The following publications form a part of this specification to the extent specified herein. The latest issue of Aerospace Material Specification (AMS) and Aerospace Standards (AS) 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 2269	Chemical Check Analysis Limits, Wrought Nickel Alloys and Cobalt Alloys
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 B328	Density and Interconnected Porosity of Sintered Powder Metal Structural Parts and Oil-Impregnated Bearings
ASTM E3	Preparation of Metallographic Specimens
ASTM E18	Rockwell Hardness and Rockwell Superficial Hardness of Metallic Materials
ASTM E 354	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 Military Standards:

MIL-STD-794 Parts and Equipment, Procedures for Packaging and Packing of