

SAE Aerospace An SAE International Group	AEROSPACE MATERIAL SPECIFICATION	SAE AMS7701	REV. F
		Issued1956-07 Revised2006-02 Cancelled2010-10	
		Superseded by ASTM A 753	
Nickel-Iron Alloy, Magnetic, Sheet and Strip Annealed			

RATIONALE

AMS7701F has been designated cancelled based on results of a survey to aerospace users and producers.

CANCELLATION NOTICE

This specification has been declared "CANCELLED" by the Aerospace Materials Division, SAE, as of October 2010 and has been superseded by ASTM A 753 as shown below. The requirements of the latest issue of ASTM A 753 shall be fulfilled whenever reference is made to the cancelled AMS7701. By this action, this document will remain listed in the Numerical Section of the Index of Aerospace Material Specifications, noting that it has been superseded by ASTM A 753.

Cancelled specifications are available from SAE.

AMS7701 Type 1 superseded by ASTM A753, Alloy 3 Annealed Sheet or Strip "Wrought Nickel-Iron Soft Magnetic Alloys (UNS K94490, K94840, N14076, N14080)"

AMS7701 Type 2 superseded by ASTM A753, Alloy 4 Annealed Sheet or Strip "Wrought Nickel-Iron Soft Magnetic Alloys (UNS K94490, K94840, N14076, N14080)"

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Documents

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1. SCOPE

1.1 Form

This specification covers two types of magnetic nickel-iron alloy in the form of sheet and strip.

1.2 Application

These products have been used typically for magnetic circuit parts that require high magnetic permeability at low flux densities with the fabricated parts to be annealed in dry hydrogen, but usage is not limited to such applications.

1.3 Classification

The magnetic alloys covered by this specification are classified as follows:

Type 1 - Nickel plus iron and other alloying elements, usually copper and chromium. Type 1 may be required for applications involving severe forming.

Type 2 - Nickel plus iron and other alloying elements, usually copper and/or molybdenum.

1.3.1 Unless a specific type is specified, either type may be supplied.

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.