



AEROSPACE RECOMMENDED PRACTICE

ARP1917™**REV. B**

Issued	1992-01
Revised	2002-09
Reaffirmed	2013-07
Cancelled	2021-12

Superseded by AS7766

Clarification of Terms Used in Aerospace Metals Specifications

RATIONALE

ARP1917 has been designated cancelled and superseded by AS7766.

CANCELLATION NOTICE

This specification has been declared "CANCELLED" by the Aerospace Materials Systems Group, SAE, as of December 2021 and has been superseded by AS7766, Terms Used in Aerospace Metals Specifications. The requirements of the latest issue of AS7766 shall be fulfilled whenever reference is made to the cancelled ARP1917. 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will remain listed in the Numerical Section of the Index of Aerospace Material Specifications, noting that it has been superseded by AS7766.

Cancelled specifications are available from SAE.

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SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

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Full document details: [SAE ARP1917B](#)

For more information on this standard, visit
<https://www.sae.org/standards/content/ARP1917B>

Documents
Document Sharing Hub

1. SCOPE:

This Aerospace Recommended Practice (ARP) clarifies terms used in Aerospace materials and process specifications. The terms clarified in this ARP are not intended to supersede those terms for which clarification is already provided in existing specifications.

2. REFERENCES:

2.1 SAE Publications:

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

AMS 2300	Steel Cleanliness, Premium Aircraft-Quality, Magnetic Particle Inspection Procedure
MAM 2300	Steel Cleanliness, Premium Aircraft-Quality, Magnetic Particle Inspection Procedure, Metric (SI) Measurement
AMS 2301	Steel Cleanliness, Aircraft-Quality, Magnetic Particle Inspection Procedure
MAM 2301	Steel Cleanliness, Aircraft-Quality, Magnetic Particle Inspection Procedure, Metric (SI) Measurement
AMS 2303	Steel Cleanliness, Aircraft-Quality, Martensitic Corrosion-Resistant Steels, Magnetic Particle Inspection Procedure
MAM 2303	Steel Cleanliness, Aircraft-Quality, Martensitic Corrosion-Resistant Steels, Magnetic Particle Inspection Procedure, Metric (SI) Measurement
AMS 2304	Steel Cleanliness, Special Aircraft-Quality, Magnetic Particle Inspection Procedure
MAM 2304	Steel Cleanliness, Special Aircraft-Quality, Magnetic Particle Inspection Procedure, Metric (SI) Measurement

2.2 ASTM Publications:

Available from ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

ASTM E 45 Determining the Inclusion Content of Steel

3. TERMS:

AGITATION: Intentionally induced movement of parts or material, or intentionally induced circulation of the liquid media around parts or material.

AIRCRAFT-QUALITY STEEL: (see clarifications under Steel Quality)

ACCEPTABLE TO PURCHASER: Does not require prior written approval from purchaser, but allows vendor to make a decision and purchaser the right to disapprove the decision.

AGREED UPON BY PURCHASER AND VENDOR: Requires concurrence of both purchaser and vendor. Such concurrence is typically documented by way of the purchase order.

ALUMINUM CASTING, PREMIUM GRADE: Aluminum castings that have guaranteed mechanical properties at drawing-designated areas. Representative castings are destructively tested periodically to verify the mechanical properties.

AS CAST: Castings that have had gates and risers removed, and cleaned free of mold material, but have not been subject to subsequent heat treatment.

AUTHORIZED BY PURCHASER: Requires prior written approval from the purchaser.