



AEROSPACE MATERIAL SPECIFICATION

AMS-QQ-A-367™

REV. E

Issued	2000-09
Revised	2012-04
Stabilized	2018-03

Superseding AMS-QQ-A-367D

Aluminum Alloy Forgings

RATIONALE

AMS-QQ-A-367E stabilizes this document because it is no longer state of the art and other documents contain similar but not necessarily equivalent requirements.

STABILIZED NOTICE

AMS-QQ-A-367E has been declared "STABILIZED" by SAE AMS Committee D Nonferrous Alloys. 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 revised. The last technical update of this document occurred in April, 2012. 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.

NOTE: In many cases, the purchaser may represent a sub tier supplier and not the cognizant engineering organization.

AMS Committee D recommends that the following similar but not identical specifications be used for the "STABILIZED" specification.

AMS4111	Aluminum Alloy Forgings, 7.7Zn - 2.5Mg - 1.5Cu - 0.16Cr (7049-T73), Solution and Precipitation Heat Treated
AMS4126	Aluminum Alloy, Die and Hand Forgings and Rolled Rings, 5.6Zn - 2.5Mg - 1.6Cu - 0.23Cr (7075-T6) Solution and Precipitation Heat Treated
AMS4127	Aluminum Alloy, Forgings and Rolled Or Forged Rings, (6061-T6) Solution and Precipitation Heat Treated
AMS4132	Aluminum Alloy, Die and Hand Forgings, Rolled Rings, and Forging Stock, 2.3Cu - 1.6Mg - 1.1Fe - 1.0Ni - 0.18Si - 0.07Ti (2618-T61), Solution and Precipitation Heat Treated
AMS4133	Aluminum Alloy Forgings and Rolled Rings, 4.4Cu - 0.85Si - 0.80Mn - 0.50Mg (2014-T6), Solution and Precipitation Heat Treated
AMS4141	Aluminum Alloy Die Forgings, 5.6Zn - 2.5Mg - 1.6Cu - 0.23Cr (7075-T73), Solution and Precipitation Heat Treated
AMS4143	Aluminum Alloy Forgings and Rolled or Forged Rings, 6.3Cu - 0.30Mn - 0.18Zr - 0.10V - 0.06Ti (2219-T6), Solution and Precipitation Heat Treated

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AMS-QQ-A-367TME

- AMS4144 Aluminum Alloy, Hand Forgings and Rolled Rings, 6.3Cu - 0.30Mn - 0.18Zr - 0.10V - 0.06Ti (2219-T852/T851), Solution Heat Treated, Mechanically Stress Relieved, and Precipitation Heat Treated
- AMS4147 Aluminum Alloy Forgings, 5.6Zn - 2.5Mg - 1.6Cu - 0.23Cr (7075-T7352) Solution Heat Treated, Stress Relieved by Compression, and Overaged
- AMS4248 Aluminum Alloy Hand Forgings and Rolled Rings, 1.0Mg - 0.60Si - 0.28Cu - 0.20Cr (6061-T652), Solution Heat Treated, Stress Relief Compressed, and Precipitation Heat Treated
- AMS4312 Aluminum Alloy, Rolled or Forged Rings 1.0Mg - 0.60Si - 0.28Cu - 0.20Cr (6061-T651, 6061-T652) Solution Heat Treated, Mechanically Stress Relieved and Precipitation Heat Treated
- AMS4314 Aluminum Alloy, Rings, Rolled Or Forged 4.5Cu - 0.85Si - 0.80Mn - 0.50Mg (2014-T651, 2014-T652) Solution Heat Treated, Mechanically Stress Relieved and Precipitation Heat Treated

NOTICE

The initial SAE publication of this document was taken directly from U.S. Military Specification QQ-A-367H, Notice 1, Amendment 2. This SAE Standard may retain the same part numbers established by the original military document. Any requirements associated with Qualified Products Lists (QPL) may continue to be mandatory for DoD contracts. Requirements relating to QPLs have not been adopted by the SAE for this standard and are not part of this SAE document.

1. SCOPE AND CLASSIFICATION

1.1 This specification has previously been widely used and may be required for production or processing of existing designs in the future. The Aerospace Materials Division, however, considers this specification non-current and does not recommend this specification for future use in new design.

1.2 Scope

This specification covers aluminum alloy die forgings and hand forgings.

1.3 Classification

1.3.1 Composition

Aluminum alloy forgings covered by this specification shall be the alloy number and compositions as specified in Table 1.

1.3.2 Form

Aluminum alloy forgings shall be furnished in the form of die forgings or hand forgings, as specified. If the method is not specified, manufacturers may use any method of forging most convenient.