



<b>AEROSPACE MATERIAL SPECIFICATION</b>	<b>AMS4320™</b>	<b>REV. C</b>
	Issued 1981-07 Revised 2005-09 Reaffirmed 2014-04 Stabilized 2022-09  Superseding AMS4320B	
Aluminum Alloy Forgings 7.7Zn - 2.5Mg - 1.5Cu - 0.16Cr (7149-T73) Solution and Precipitation Heat Treated (Composition similar to UNS A97149)		

**RATIONALE**

AMS4320C has been declared "STABILIZED" by AMS Committee D Nonferrous Alloys Committee. This document will no longer be updated and may no longer represent standard industry practice. This document was stabilized because Committee D can find no producers for this document.

NOTE: Previously, this document was reaffirmed. The last technical update of this document occurred in September, 2005. Users of this document should refer to the cognizant engineering organization for disposition of any issues with reports/certifications to the specification, including exceptions listed on the certification. In many cases, the purchaser may represent a sub-tier supplier and not the cognizant engineering organization.

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## 1. SCOPE:

### 1.1 Form:

This specification covers an aluminum alloy in the form of die forgings, hand forgings, and forging stock.

### 1.2 Application:

These forgings have been used typically for parts requiring high strength and resistance to stress-corrosion cracking, but usage is not limited to such applications.

## 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.

### 2.1 SAE Publications:

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001 or [www.sae.org](http://www.sae.org).

AMS 2355	Quality Assurance Sampling and Testing of Aluminum Alloys and Magnesium Alloys, Wrought Products (Except Forging Stock) and Flash Welded Rings
AMS 2772	Heat Treatment of aluminum Alloy Raw Materials
AMS 2808	Identification, Forgings
AMS-STD-1537	Electrical Conductivity Test for Verification of Heat Treatment of Aluminum Alloys, Eddy Current Method
AS1990	Aluminum Alloy Tempers