



AEROSPACE MATERIAL SPECIFICATION	AMS4045™	REV. M
	Issued 1949-06 Reaffirmed 2000-07 Revised 2022-08	
Superseding AMS4045L		
Aluminum Alloy Sheet and Plate 5.6Zn - 2.5Mg - 1.6Cu - 0.23Cr 7075: (-T6 Sheet, -T651 Plate) Solution and Precipitation Heat Treated (Composition similar to UNS A97075)		

RATIONALE

AMS4045M results from a Five-Year Review and update of this specification with changes to prohibit unauthorized exceptions (3.3.1.1, 3.3.2.1, 3.6, 4.4.1, 5.1.1, 8.5), add provisions for usage of AS6279 (Section 3, 3.7), update applicable documents (Section 2, 8.2) and ordering information (8.6), and allow the use of the immediate prior specification revision (8.4).

1. SCOPE

1.1 Form

This specification covers an aluminum alloy in the form of sheet and plate 0.008 to 4.000 inches (0.20 to 101.6 mm), inclusive, in thickness (see 8.6).

1.2 Application

These products have been used typically for structural components, including machined parts subject to excessive warpage during machining, but usage is not limited to such applications.

1.2.1 Certain design and processing procedures may cause these products to become susceptible to stress-corrosion cracking; ARP823 recommends practices to minimize such conditions.

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.

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