



AEROSPACE RECOMMENDED PRACTICE

ARP1942™**REV. B**

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Superseding ARP1942A

Across Hex Corner Dimension for Fluid Fittings and Nuts

RATIONALE

This technical report is being stabilized because it covers technology, products, or processes which are mature and not likely to change in the foreseeable future.

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**Documents**

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1. SCOPE:

This SAE Aerospace Recommended Practice (ARP) defines the minimum across hexagon corner dimensions for fluid tube fittings and nuts. The ARP covers commonly specified inch and millimeter hexagon sizes.

1.1 Purpose:

The purpose of this ARP is to define the minimum allowable diameter of corners for hexagons that are machined from round stock or for hexagon corners that are turned to facilitate manufacturing, installation, or other purpose. Rounded hex corners in accordance with this ARP shall not be used in conjunction with safety wire holes per AS1043.

2. APPLICABLE DOCUMENTS:

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.1 SAE Publications:

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

AS1043	Safety Wire Holes, Hex, Fitting, Location of, Design Standard
AMS 2241M	Tolerances Corrosion and Heat Resistant Steel, Iron Alloy, Titanium and Titanium Alloy Bars and Wire