



BSI Standards Publication

**AEROSPACE SERIES – Nuts, hexagonal,
ordinary, thin, slotted and castle,
unified threads, alloy steel,
cadmium plated – Specification**

Classification $R_m \geq 145\,600 \text{ lbf/in}^2$ (1 004 MPa) in mating
male fastener at ambient temperature | +190 °C

Publishing and copyright information

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Summary of pages

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Foreword

Publishing information

This British Standard is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 July 2025. It was prepared by Technical Committee ACE/12, *Aerospace fasteners and fastening systems*. A list of organizations represented on this committee can be obtained on request to the committee manager.

Supersession

This British Standard supersedes [BS 3A 103:1962](#), which is withdrawn.

Information about this document

This is a full revision of the document, and introduces the following principal changes:

- a cadmium caution notice has been added;
- clarification is given as to which steels are applicable to different thread sizes; and
- text has been added concerning the use of a barrelling method to deburr the nut, keeping metal removal to a minimum.

This publication can be withdrawn, revised, partially superseded or superseded. Information regarding the status of this publication can be found in the Standards Catalogue on the BSI website at knowledge.bsigroup.com, or by contacting the Customer Services team.

Where websites and webpages have been cited, they are provided for ease of reference and are correct at the time of publication. The location of a webpage or website, or its contents, cannot be guaranteed.

Hazard warnings

CAUTION. This British Standard features parts that have cadmium as a plating material which has been restricted and/or banned for use in many countries owing to environmental and health concerns. It is advisable to consult local officials about any concerns on the use of cadmium plated parts.

Presentational conventions

The provisions of this document are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is “shall”.

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Requirements in this document are drafted in accordance with the *Rules for the structure and drafting of UK standards:2022*, subclause **G.1.1**, which states, “Requirements should be expressed using wording such as: ‘When tested as described in Annex A, the product shall ...’”. This means that only those products that are capable of passing the specified test will be deemed to conform to this document.

Where words have alternative spellings, the preferred spelling of the *Shorter Oxford English Dictionary* is used (e.g. “organization” rather than “organisation”).