

Bolts and screws, metric — Tolerances of form and position

Confirmed
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Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee ACE/12, Aerospace fasteners and fastening systems, upon which the following bodies were represented:

- British Industrial Fasteners Federation
- Ministry of Defence
- Society of British Aerospace Companies Ltd.
- The Association of Electronics, Telecommunications and Business Equipment Industries

This British Standard, having been prepared under the direction of the Engineering Sector Board, was published under the authority of the Standards Board and comes into effect on 15 June 1995

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National foreword

This British Standard has been prepared by Technical Committee ACE/12. It is identical with ISO 7913:1994, *Aerospace – Bolts and screws, metric — Tolerances of form and position*, published by the International Organization for Standardization (ISO). It supersedes BS A 296:1986 which is withdrawn.

Cross-references. The Technical Committee has reviewed the provisions of ISO 1101:1983 and ISO 2692:1988, to which normative reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Aerospace — Bolts and screws, metric — Tolerances of form and position

1 Scope

This International Standard specifies the tolerances of form and position applicable to all types of metric bolts and screws in the nominal thread diameter range 3 mm to 24 mm used in aerospace construction.

It is intended for the drawing up of aerospace product standards.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1101:1983, *Technical drawings — Geometrical tolerancing — Tolerancing of form, orientation, location and run-out — Generalities, definitions, symbols, indications on drawings*.

ISO 2692:1988, *Technical drawings — Geometrical tolerancing — Maximum material principle*.

Aéronautique et espace — Vis métriques — Tolérances de forme et de position

1 Domaine d'application

La présente Norme internationale prescrit les tolérances de forme et de position applicables à tous les types de vis métriques de la gamme de diamètres nominaux de filetage 3 mm à 24 mm destinées aux constructions aérospatiales.

La présente Norme internationale est applicable à l'élaboration de normes de produit destinées aux constructions aérospatiales.

2 Références normatives

Les normes suivantes contiennent des dispositions qui, par suite de la référence qui en est faite, constituent des dispositions valables pour la présente Norme internationale. Au moment de la publication, les éditions indiquées étaient en vigueur. Toute norme est sujette à révision et les parties prenantes des accords fondés sur la présente Norme internationale sont invitées à rechercher la possibilité d'appliquer les éditions les plus récentes des normes indiquées ci-après. Les membres de la CEI et de l'ISO possèdent le registre des Normes internationales en vigueur à un moment donné.

ISO 1101:1983, *Dessins techniques — Tolérancement géométrique — Tolérancement de forme, orientation, position et battement — Généralités, définitions, symboles, indications sur les dessins*.

ISO 2692:1988, *Dessins techniques — Tolérancement géométrique — Principe du maximum de matière*.