



BSI Standards Publication

**Aerospace series - Nuts, hexagon, plain,
reduced height, reduced across flats, in heat
resisting steel, silver plated - Classification:
600 MPa (at ambient temperature) / 425 °C**

National foreword

This British Standard is the UK implementation of [EN 2923:2019](#).

The UK participation in its preparation was entrusted to Technical Committee ACE/12, Aerospace fasteners and fastening systems.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Amendments/corrigenda issued since publication

Date	Text affected
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English Version

Aerospace series - Nuts, hexagon, plain, reduced height, reduced across flats, in heat resisting steel, silver plated - Classification: 600 MPa (at ambient temperature) / 425 °C

Série aéronautique - Écrous hexagonaux ordinaires, hauteur réduite, surplats réduits, en acier résistant à chaud, argentés - Classification: 600 MPa (à température ambiante) / 425 °C

Luft- und Raumfahrt - Flache Sechskantmuttern, kleine Schlüsselweite, aus hochwarmfestem Stahl, versilbert - Klasse: 600 MPa (bei Raumtemperatur) / 425 °C

This European Standard was approved by CEN on 8 July 2018.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

This document ([EN 2923:2019](#)) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2019, and conflicting national standards shall be withdrawn at the latest by October 2019.

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1 Scope

This European standard specifies the characteristics of hexagon plain nuts, reduced height, reduced across flats, in heat resisting steel, silver plated, for aerospace applications.

Classification: 600 MPa¹⁾/425 °C²⁾.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

[EN 2424](#), *Aerospace series — Marking of aerospace products*

[EN 2786](#), *Aerospace series — Electrolytic silver plating of fasteners*

[EN 9100](#), *Quality Management Systems — Requirements for Aviation, Space and Defence Organizations*

[ISO 5855-2](#), *Aerospace — MJ threads — Part 2: Limit dimensions for bolts and nuts*

[ISO 8788](#), *Aerospace — Nuts, metric — Tolerances of form and position*

[ISO 9139](#), *Aerospace — Nuts, plain or slotted (castellated) — Procurement specification*

TR 3823-002, *Aerospace series — Materials for plain, slotted and self-locking by plastic ring hexagonal nuts*³⁾

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

4 Required characteristics

4.1 Configuration — Dimensions — Masses

See Figure 1 and Table 1.

Dimensions and tolerances are expressed in millimetres and apply after surface treatment.

Details of form not stated are at the manufacturer's option.

4.2 Tolerances of form and position

[ISO 8788](#).

1) Corresponds to the minimum tensile stress which the nut is able to withstand at ambient temperature without breaking or cracking when tested with a bolt of a higher strength class.

2) Maximum temperature that the nut is able to withstand, without permanent alteration to its original characteristics, after ambient temperature has been restored. The maximum temperature is conditioned by the material.

3) Published as ASD-STAN Technical Report at the date of publication of this European standard by AeroSpace and Defence industries Association of Europe – Standardization (ASD-STAN) (www.asd-stan.org).

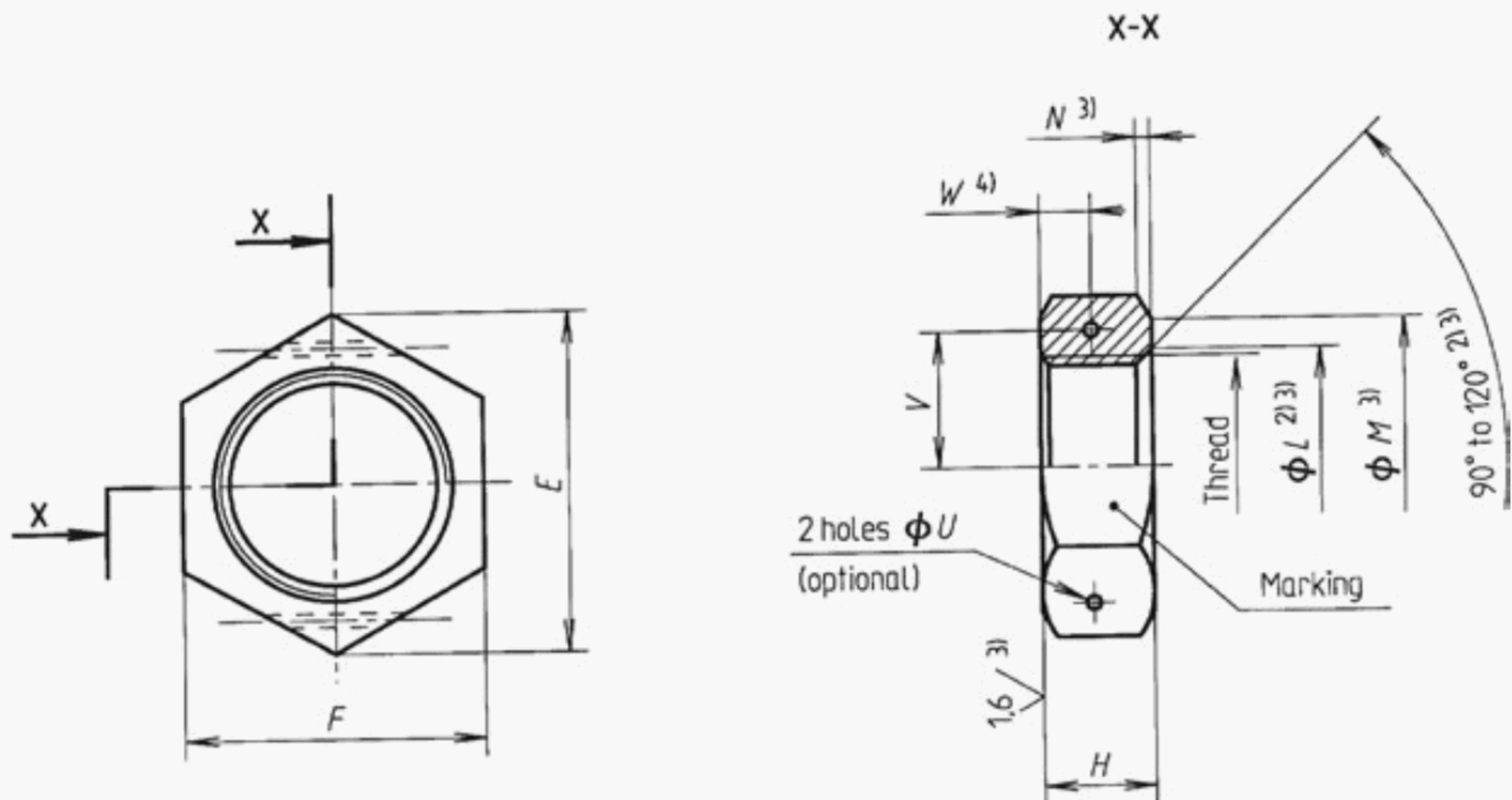
4.3 Materials

TR 3823-002.

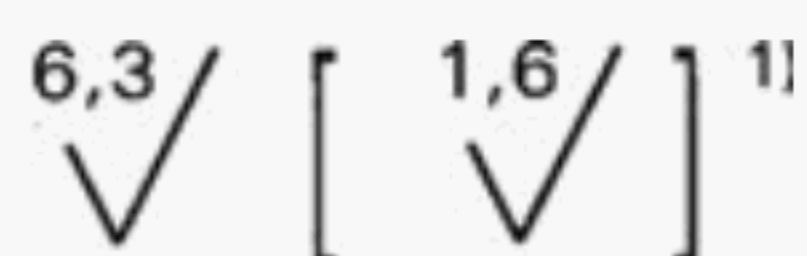
4.4 Surface treatment

[EN 2786](#), thickness:

- on external surfaces : 5 μm to 15 μm ;
- on pitch diameter : 5 μm minimum.



Remove sharp edges 0,1 to 0,4.

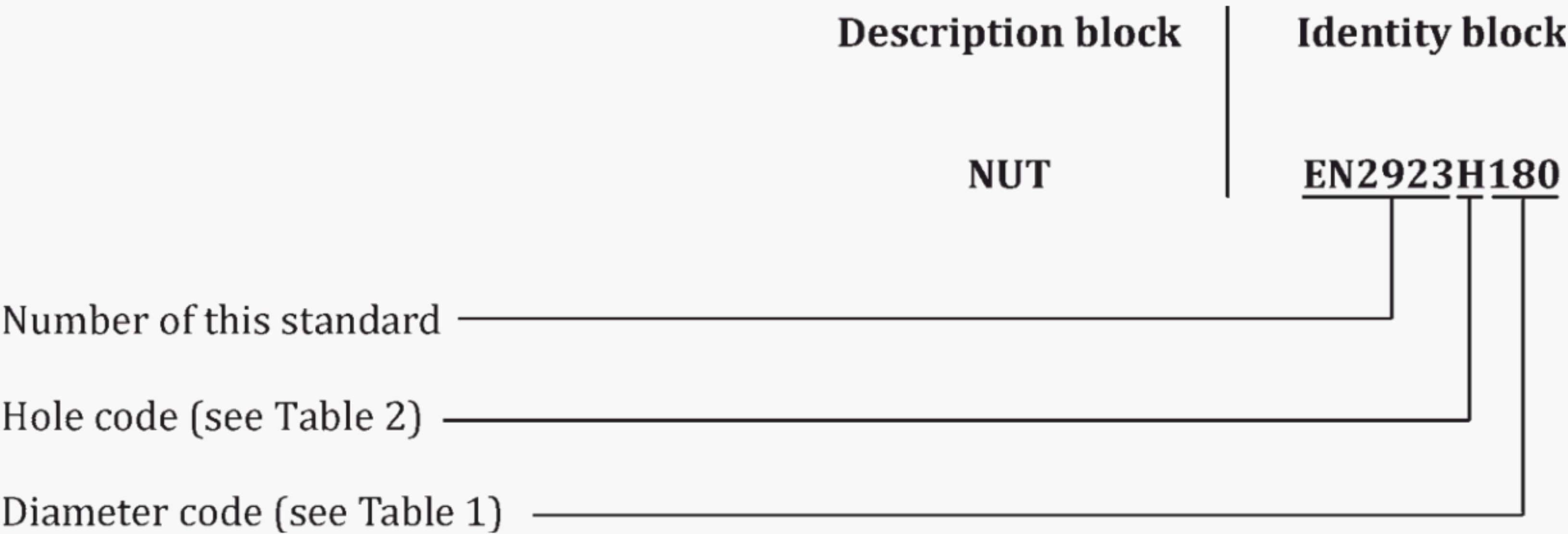


- 1) These values in micrometres apply before surface treatment. They do not apply to threads the surface texture of which will be as achieved by usual manufacturing methods.
- 2) all forms of entry (chamfer or radius) permissible within the limiting dimensions
- 3) applicable to both faces
- 4) from either face

Figure 1

5 Designation

EXAMPLE



NOTE If necessary, the code I9005 shall be placed between the description block and the identity block.

Table 2

Holes	Code
with	H
without	— (hyphen)

6 Marking

[EN 2424](#), style C, plus MJ.

7 Technical specification

Shall be according to [ISO 9139](#), except for approval of manufacturers: see [EN 9100](#).

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