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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 41-2016

**Hexagon nuts, style 1 -- Product grade C
(English Translation)**

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Foreword

This Standard belongs to a national standards series "Hexagon Nuts (Part)". The series comprises the following.

- GB/T 41 Hexagon Nuts, Style 1 - Product Grade C
- GB/T 6170 Hexagon Nuts, Style 1
- GB/T 6171 Hexagon Nuts, Style 1 - Fine Pitch Thread
- GB/T 6172.1 Hexagon Thin Nuts (Chamfered)
- GB/T 6173 Hexagon Thin Nuts (Chamfered) with Fine Pitch Thread
- GB/T 6174 Hexagon Thin Nuts - Unchamfered
- GB/T 6175 Hexagon Nuts, Style 2
- GB/T 6176 Hexagon Nuts, Style 2, With Fine Pitch Thread
- GB/T 6177.1 Hexagon Nus with Flange, Style 2
- GB/T 6177.2 Hexagon Nuts with Flange, Style 2 - Fine Pitch Thread

This Standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard replaces GB/T 41-2000, Hexagon Nuts - Product Grade C. Compared with GB/T 41-2000, the main technical differences are as follows.

- it changes the name of the standard;
- it deletes "If, in special cases, specifications other than those listed in this Standard are required, they can be selected from existing Standards,... GB/T

3098.2 and GB/T 3103.1." (Chapter 1, Edition 2000);

- it unifies reference thread standards into GB/T 193 and GB/T 9145 (Chapter 2);
- it deletes Nuts, Property Class 4 (Chapter 3); and
- it adds the technical requirements of hot dip galvanizing in accordance with GB/T

5267.3 (Table 3).

This Standard was redrafted by reference to ISO 4034.2012, Hexagon Regular Nuts (Style 1) - Product Grade C (English edition). The technical differences between this Standard and ISO 4034.2012 and their reasons are as follows.

- it deletes the specifications of ISO 4034, "If, in special cases, specifications other than those listed in this International Standard are required, they can be selected Hexagon Nuts, Style 1 - Product Grade C

1 Scope

This Standard specifies the styles and dimensions, technical requirements and designation of hexagon nuts, style 1 - product grade C.

This Standard applies to hexagon nuts, style 1, with thread M5 to M64, property class

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition dated applies to this document. For undated references, the latest edition of the referenced document (including any amendments) applies to this Standard.

GB/T 90.1 Fasteners - Acceptance Inspection (GB/T 90.1-2002, ISO 3269.2000, IDT)

GB/T 90.2 Fasteners - Marking and Packaging

GB/T 193 General Purpose Metric Screw Threads - Diameters and Pitches (GB/T 193-2003, ISO 261.1998, MOD)

GB/T 1237 Designation System for Fasteners (GB/T 1237-2000, eqv. ISO 8991.1986)

GB/T 3098.2 Mechanical Properties of Fasteners - Nuts (GB/T 3098.2-2015, ISO 898-2:2012, MOD)

GB/T 3103.1 Essential Oils and Aromatic Extracts - Determination of Residual Benzene Content (GB/T 3103.1-2002, ISO 4759-1:2000, IDT)

GB/T 5267.1 Fasteners - Electroplated Coatings (GB/T 5267.1-2002, ISO 4042:1999, IDT)

GB/T 5267.2 Fasteners - Non-electrolytically Applied Zinc Flake Coatings (GB/T 5267.2-2002, ISO 10683:2000, IDT)

GB/T 5267.3 Fasteners - Hot Dip Galvanized Coatings (GB/T 5267.3-2008, ISO 10684:2004, IDT)

GB/T 5267 Fasteners - Bolts, Screws, Studs and Nuts - Symbols and Description of Dimensions (GB/T 5267-2015, ISO 225:2010, MOD)

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