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

GB/T 6174-2016

**Hexagon thin nuts -- Unchamfered
(English Translation)**

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Foreword

GB/T 6174 is one of the serial national standards for "Hexagon Nuts (Part)", which include.

- 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;
- GB/T 6173 Hexagon Thin Nuts - Fine Pitch Thread;
- GB/T 6174 Hexagon Thin Nuts - Unchamfered;
- GB/T 6175 Hexagon Nuts, Style 2
- GB/T 6176 Hexagon Nuts, Style 2 - Fine Pitch Thread
- GB/T 6177.1 Hexagon Nuts with Flange, Style 2;
- GB/T 6177.2 Hexagon Nuts with Flange, Style 2 - Fine Pitch Thread.

This Standard was drafted as per the rules specified in GB/T 1.1-2009.

This Standard replaced GB/T 6174-2000 Hexagon Thin Nuts - Unchamfered; compared with GB/T 6174-2000, this Standard has the following major technical changes.

- Delete "if other technical requirements are needed,... the selection in GB/T 196 and GB/T 3103.1." (Chapter 1 of Edition 2000);
- Unify the reference thread standards to be GB/T 193, GB/T 9145 (Chapter 2);

This Standard adopts re-drafting method to modify and use ISO 4036.2012 Hexagon Thin Nuts Unchamfered (Style 0) - Product Grade B (English Edition).

The technical differences and causes between this Part and ISO 4036.2012 are as follows.

--- Delete the provisions of ISO 4036. "If other technical requirements are needed,...the selection in ISO 4759-1." (Chapter 1), which don't belong to the specified contents of this Standard;

--- In the normative references, use national standards to replace the international standards (Chapter 2); add the reference of GB/T 90.2 (Table 2), GB/T 193 (Table Hexagon Thin Nuts - Unchamfered

1 Scope

This Standard specifies the type and dimension, technical conditions and markings of unchamfered hexagon thin nuts.

This Standard is applicable to the unchamfered hexagon thin nuts with thread specification M1.6~M10, steel nut hardness equals or greater than 110HV30, non-ferrous metal materials conform to GB/T 3098.10, and Product Grade B.

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

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 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 3098.10 Mechanical Properties of Fasteners - Bolts, Screws, Studs and Nuts

Made of Non-Ferrous Metals (GB/T 3098.10-1993, eqv ISO 8839.1986)

GB/T 3103.1 Tolerances for Fasteners - Bolts, Screws and Nuts (GB/T 3103.1-2002, idt ISO 4759-1.2000)

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, Fasteners - Non-Electrolytically Applied Zinc Flake Coatings, IDT)

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