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

GB/T 6182-2016

**Prevailing torque type hexagon nuts (with non-metallic insert),
style 2**

(English Translation)

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Foreword

GB/T 6182 is one of "hexagon nuts" series of national standards. This series include.

- GB/T 889.1, Prevailing torque type hexagon nuts (with non-metallic insert), style 1
- GB/T 889.2, Prevailing torque type hexagon nuts (with non-metallic insert), style 1, with fine pitch thread
- GB/T 6172.2, Prevailing torque type hexagon thin nuts (with non-metallic insert)
- GB/T 6182, Prevailing torque type hexagon nuts (with non-metallic insert), style 2
- GB/T 6183.1, Prevailing torque type hexagon nuts with flange (with non-metallic insert), style 2
- GB/T 6183.2, Prevailing torque type hexagon nuts with flange (with non-metallic insert) with fine pitch thread
- GB/T 6184, Prevailing torque type all-metal hexagon nuts, style 1
- GB/T 6185.1, Prevailing torque type hexagon nuts with flange (with non-metallic insert), style 2
- GB/T 6185.2, Prevailing torque type all-metal hexagon nuts with flange, style 2 - Fine pitch thread

- GB/T 6187.1, Type 2 all-metal hexagon nuts with flange
- GB/T 6187.2, Prevailing torque type all-metal hexagon nuts with flange with fine pitch thread

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

This Standard replaces GB/T 6182-2010 Prevailing torque type hexagon nuts (with non-metallic insert), style 2. Compared with GB/T 6182-2010, the main technical modifications are as follows.

- deleted "if other technical requirements are required, select from standards such as GB/T 3098.9 and GB/T 3103.1" (Clause 1 of Edition 2000);

This Standard was proposed by China Machinery Industry Federation.

This Standard shall be under the jurisdiction of National Technical Committee on Fasteners of Standardization Administration of China (SAC/TC 85).

Main drafting organization of this Standard. China Machine Productivity Promotion Center.

The drafting organizations of this Standard. Zhoushan Zhengyuan Standard Parts Co., Ltd., Machinery Industry General Parts Product Quality Supervision and Testing Center, Ningbo Zhongji Machinery Parts Testing Co., Ltd.

This Standard shall be interpreted by Secretariat of National Technical Committee on Fasteners of Standardization Administration of China.

Versions of standard substituted by this Standard are.

- GB/T 6182-1986, GB/T 6182-2000, GB/T 6182-2010.

Prevailing torque type hexagon nuts (with non-metallic insert), style 2

1 Scope

This Standard specifies the type size, technical conditions and marks of prevailing torque type hexagon nuts (with non-metallic insert), style 2.

This Standard is applicable to prevailing torque type hexagon nuts (with non-metallic insert), style 2 of which the thread specifications are M5 ~ M36, performance grades are 10 and 12, the product grades are grade A and grade B. Grade A is used for nuts of $D \leq 16$ mm; Grade B is used for nuts of $D > 16$ mm.

NOTE This nut is equivalent to GB/T 6175 plus effective torque part.

2 Normative references

The following referenced documents are indispensable for the application 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.

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 - General plan (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 - Coarse thread (GB/T 3098.2-2015, ISO 898-2.2009, MOD)

GB/T 3098.9, Mechanical properties of fasteners - Prevailing torque type steel nuts (GB/T 3098.9-2010, ISO 2320.2008, IDT)

GB/T 3103.1, Essential oils and aromatic extracts - Determination of

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