

Translated English of Chinese Standard: GB/T6185.2-2016

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NATIONAL STANDARD OF
THE PEOPLE'S REPUBLIC OF CHINA

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GB/T 6185.2-2016

Replacing GB/T 6185.2-2000

Prevailing torque type all-metal hexagon nuts, style 2 - Fine pitch thread

(ISO 10513:2012, Prevailing torque type all-metal hexagon high nuts
with metric fine pitch thread - Property classes 8,10 and 12, MOD)

2 型全金属六角锁紧螺母 细牙

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Foreword

This Part of GB/T 6185 is one national standard of “Prevailing torque type hexagon nuts” series. This series includes:

- 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--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 Part is the second part of GB/T 6185.

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

This Standard replaces GB/T 6185.2-2000 *Prevailing torque type all-metal hexagon nuts, style 2 - Fine pitch thread*. Compared with GB/T 6185.2-2000, the main technical changes are as follows:

- deleted “If other technical requirements are required, ... select among (such as GB/T 3098.9 and GB/T 3103.1)” (Clause 1 of Edition 2000);
- unified reference thread standards as GB/T 193, GB/T 9145 (Clause 2);

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

Main drafting organization of this Part: China Productivity Promotion Center.

The drafting organization of this Part: Zhejiang Mingtai Standard Parts Co., Ltd..

This Part shall be interpreted by Secretariat of National Technical Committee on Fastener of Standardization Administration of China.

Versions of standard substituted by this Part are:

- GB/T 6185-1986;
- GB/T 6185.2-2000.

Prevailing torque type all-metal hexagon nuts, style 2 - Fine pitch thread

1 Scope

This Part of GB/T 6185 specifies type sizes, technical conditions and marks of prevailing torque type all-metal hexagon nuts, style 2 - fine pitch thread.

This Standard is applicable to prevailing torque type all-metal hexagon nuts, style 2 - fine pitch thread of which thread nominal diameters are $D = 8 \text{ mm} \sim 36 \text{ mm}$, performance grades are 8, 10 and 12, the product grades are A and B. Grade A is used for nuts of which $D \leq 16 \text{ mm}$; Grade B is used for nuts of which $D > 16 \text{ mm}$.

NOTE In addition to m_w and h_{max} , this nut equals to GB/T 6176 nut.

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* (GB/T 3098.2-2015, ISO 898-2:2012, 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, *Tolerances for fasteners- Bolts, screws and nuts* (GB/T 3103.1-2002, idt ISO 4759-1:2000);

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