



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

中华人民共和国国家标准

GB/T 6173-2000
eqv ISO 8675:1999

Hexagon thin nuts (chamfered) with fin pitch thread

六角薄螺母 细牙

Issued on Sept 26, 2000

Implemented on Feb 01, 2001

Issued by the State Bureau of Quality Technical Supervision

Contents

Foreword	1
ISO Preface	5
ISO Introduction	6
1. Scope	7
2. Normative References	7
3. Dimension	8
4. Specifications and reference standards	10
5. Markings	10

ISO Preface

ISO (International Standardization Organization) is a worldwide united organization jointed by national standard communities of all countries (ISO membership group). The formulation work of international standards is done through each ISO technical committee. If a membership group is interested in the project conducted by certain technical committee, he may joint this committee. It is also possible for the governmental or non-governmental organizations in connection with ISO to participate in this work. ISO is closely connected with International Electro technical Commission (IEC) as to electro technical standardization.

International standards are drafted according to the rules given in Part III of ISO/IEC Guidance.

The drafts of international standards adopted by technical committee shall be distributed to all membership groups for vote by ballot. The formal publication of international standards shall be agreed by at least 75% of membership groups by ballot.

International standard ISO 8675 is formulated by ISO/TC 2 Fasteners Technical Committee.

The second edition has done some cancellations and supplementations to the first edition (ISO 8675: 1988), belonging to technical modifications.

ISO Introduction

This international standard is one integral part of “Fasteners tightened by outer hexagonal wrench”

ISO series products. These series products shall include:

- a) Hexagon head bolts (ISO 4014 ~ 4016 and ISO 8675);
- b) Hexagon head screw (ISO 4017, ISO 4018 and ISO 8676);
- c) Hexagon head nuts (ISO 4032 ~ 4036 and ISO 8673 ~ 8675);
- d) Hexagon flange bolts (ISO 4162 and ISO 15071);
- e) Hexagon flange nuts (ISO 4161 and ISO 10663);
- f) Bolts and nuts for bolt connected structures (ISO 4775, ISO 7411 ~ 7414 and ISO 7417).

Hexagon thin nuts (chamfered) with fine pitch thread

1. Scope

This standard specifies the characteristics of hexagon thin nuts (chamfered), with metric fine pitch thread, with nominal thread diameters d from 8mm up to and including 64mm, with product grade A for sizes d up to and including 16mm and product grade B for size d over 16mm.

If, in special cases, specifications other than those listed in this standard are required, they should be selected from existing standards, for example GB/T 196, GB/T 3098.4, GB/T 3098.15 and GB/T 3103.1.

Coarse thread hexagon nuts according to ISO 4035 should be the first choice.

2. Normative References

The articles contained in the following standards shall become the article of this Standard when they are cited therein. When this Standard is published, all the indicated editions are effective. As all standards shall be modified, all parties applying this Standard shall study the possibilities to use the latest version of the following standards.

GB/T 90 – 1985 Fasteners – Acceptance inspection, marking and packing (eqv ISO 3269: 1984)

GB/T 196 – 1981 General purpose metric screw threads—Basic dimensions (for diameter from 1 ~ 600mm)

GB/T 197 – 1981 General purpose metric screw threads—Tolerances and fits (for diameter from 1 ~ 355mm)

GB/T 1237 – 2000 Fasteners – Marking methods (eqv ISO 8991: 1986)

GB/T 3098.4 – 2000 Mechanical properties of fasteners – Nuts, fine pitch thread (idt ISO 898-2: 1992)

GB/T 3098.10 – 1993 Mechanical properties of fasteners – Bolts, screws, studs and nuts made of non-ferrous metals (eqv ISO 8839: 1986)

GB/T 3098.15-2000 Mechanical properties of fasteners- Stainless steel nuts (idt ISO 3506-2; 1997)

GB/T 3103.1 – 1982 (approved in 1988) Fasteners tolerances – Bolts, screws and nuts (eqv ISO 4759-1: 1978)

GB/T 5267 – 1985 Electroplated coating on threaded fasteners

GB/T 5276 – 1985 Fasteners – bolts, screws, studs and nuts – dimension code and annotation (eqv ISO 225: 1983)

GB/T 5779.2 – 2000 Surface defects of fasteners –Nuts – general requirements (idt ISO 6157-2: 1995)

GB/T 6170-2000 Hexagon nuts, style 1 (eqv ISO 4032: 1999)

GB/T 6176-2000 Hexagon nuts, style 1, fine pitch (eqv ISO 8674: 1999)

GB/T 16938 – 1997 Fasteners – Bolts, screws, studs and nuts – universal technical conditions (idt ISO 8992: 1986)

ISO 10683: 2000 Fasteners – Non- electrolytic zinc powder coating



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