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

GB/T 802.1-2008

Acorn nuts - Assembling type

组合式盖形螺母

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Quarantine;
Standardization Administration of the PRC**

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1 Scope

Foreword

This part is one of the national standard "cap nut" product series of standards. The series includes.

- GB/T 802.1-2008 modular cap nuts;
- GB/T 802.2 Hexagon cap nut welding type;
- GB/T 802.3 hexagonal flange cover nut welding type;
- GB/T 802.4 Hexagon low spherical cap nut welding type;
- GB/T 802.5 non-metallic insert hexagonal locking cap nut welding type;
- GB/T 923 Hexagon nuts. This part is part 1 of GB/T 802. This part replaces GB/T 802-1988 "modular cap nut". This section compares with GB/T 802-1988 as follows:
 - increase the thread size M4 (see Table 1);
 - Increased fine thread series (Series 2, Series 3) (see Table 1);
 - increase in stainless steel and non-ferrous metal materials (see Table 2); - Add non-electrolytic zinc sheet coating and hot dip galvanized layer surface treatment to steel nuts (see Table 2). This part is made by the China Machinery Industry Federation. This part is headed by the National Standardization Technical Committee on Fasteners (SAC/TC85). This part is responsible for drafting units. China Machine Productivity Promotion Center. This part participates in the drafting unit. Zhangjiagang Xinyi Hardware Co., Ltd. This part is explained by the Secretariat of the National Standardization Technical Committee for Fasteners. This part of the previous version of the standard to replace the release of the situation. GB 802-67, GB 802-76, GB/T 802-1988. Combination cover nuts

1 Scope

Part 1 of China's national standard for acorn nuts, covering the assembled type. An acorn or cap nut is closed at one end, so the bolt thread ends inside a dome instead of protruding. That does three things at once, and any of them is reason enough to specify one: it removes the projecting thread that would snag or cut, which is why they appear on handrails, machine guards and anywhere a hand goes; it seals the end of the thread against water and dirt, which prevents the corrosion that seizes an exposed thread; and it

looks finished, which matters on visible fastenings. The assembled type is made from a nut and a separately formed cap joined together rather than machined from one piece, which is how the larger sizes are produced economically. This part covers thread sizes M4 to M24 in property classes 6 and 8, stainless grades A2-50, A2-70, A4-50 and A4-70, and copper and aluminium grades CU2, CU3 and AL4, in product grade A up to 16 mm and grade B above.

GB/T 802 of the provisions of the thread specifications for the M4 ~ M24, performance levels of 6,8, A2-50, A2-70, A4-50, A4-70, CU2, CU3 and AL4, Class A and Class B, Class A for $D \leq 16\text{mm}$; Class B for $D > 16\text{mm}$ nut.

2 Normative reference documents

The terms of the following documents are the terms of this part by reference to this part of GB/T 802. Any reference to the date, All subsequent amendments (excluding corrigenda) or revisions do not apply to this part, however, encouragement under this section The parties to the agreement study whether the latest version of these files can be used. For undated references, the latest version of the document This part. GB/T

90.1 Acceptance inspection of fasteners (GB/T 90.1-2002,

ISO 3269..2000, IDT) GB/T

90.2 Fastener Marking and Packaging

GB/T 196 Common thread basic dimensions (GB/T 196-2003,

ISO 724..1993, ISO generalpurposemetric screwthreads-Basicdimensions, MOD)

GB/T 197 Common thread tolerances (GB/T 197-2003,

ISO 965-1..1998, ISO generalpurposemetric screwthreads-Tolerances-Part 1.

Principlesbasicdata, MOD)

GB/T 1237 Fastener marking method (GB/T 1237-2000, eqv ISO 8991. 1986)

GB/T 3098.2 Fasteners - Mechanical properties - Coarse thread (GB/T 3098.2-2000, idt ISO 898-2..1992)

GB/T 3098.4 fasteners mechanical properties nut fine thread (GB/T 3098.4-2000, idt ISO 898-6..1994)

GB/T 3098.10 Fasteners Mechanical properties Bolts, screws, studs and nuts made of nonferrous metals (GB/T 3098.10- 1993, eqv ISO 8839. 1986)

GB/T 3098.15 Fasteners - Mechanical properties - Stainless steel nuts (GB/T 3098.15-2000, idt ISO 3506-2..1997)