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

中华人民共和国国家标准

GB/T 62.1-2004

Replace GB/T 62-1988

Wing nuts—Round wing

蝶形螺母 圆翼

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Issued by General Administration of Quality Supervision, Inspection and Quarantine
of the People's Republic of China

Standardization Administration of the People's Republic of China (SAC)

Foreword

This Standard is one integral part of the national standard for “Wing nuts” series products. These series products shall include:

- a) GB/T 62.1-2004 Wing nuts—Round wing;
- b) GB/T 62.2-2004 Wing nuts—Square wing;
- c) GB/T 62.3-2004 Wing nuts—Pressing wing;
- d) GB/T 62.4-2004 Wing nuts—Die-casting wing.

This is Part 1 of GB/T 62.

This standard is formulated according to JIS B 1185-1994 Wing nuts (Japanese version), simultaneously, the category of wing nuts (standard) and “Proof torque” are added.

This Part will replace GB/T 62-1988 Wing nuts.

Comparison with GB/T 62-1988, main changes of this Part are as follows:

- Standard title has been changed;
- Cancelled the fine thread specification; the specification of M2, M2.5, M18, M20, M22 and M24 are added (see Table 1);
- Adjusted the dimension and tolerance;
- Added the stainless steel and brass materials and proof torque is specified (see Table 2).

This Part is proposed by China Machinery Industry Federation.

This Part is under the jurisdiction of National Technical Committee 85 on Fasteners of Standardization Administration of China.

Chief draft unit of this Part: Machinery Science Research Institute.

History editions replaced by this Part are as follows:

- GB/T 62-1958;
- GB/T 62-1967;
- GB/T 62-1976;
- GB/T 62-1988.

Wing nuts—Round wing

1 Scope

This Part specifies the wing nuts of Type A or Type B with semicircle both wings which manufactured by steel, malleable casting, stainless steel or brass with thread specification is M2 to M24, proof torque is Class I (apply to steel, iron or stainless) or Class II (apply to brass).

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

- 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, ISO general purpose metric screw threads—General plan, MOD)
- GB/T 700 Carbon structural steel
- GB/T 978 Classification and specification of malleable iron casting
- GB/T 1220 Stainless steel bars
- GB/T 1237 Designation system for fasteners (GB/T 1237-2000, eqv ISO 8991: 1986)
- GB/T 3098.20 Mechanical properties of fasteners—Wing nuts with specified proof torque
- GB/T 5231 Wrought copper and copper alloys chemical composition limits and forms of wrought products
- GB/T 5267.1 Fasteners—Electroplated coatings (GB/T 5267.1-2002, ISO 4042: 1999, IDT)
- GB/T 9145 General purpose metric screw threads—Limits of sizes for the screw threads of medium quality and preferable plan (GB/T 9145-2003, ISO 956-2: 1998, ISO general purpose metric screw threads—Tolerances—Part 2: Limits of sizes for general purpose external and internal screw thread—Medium quality, MOD)



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