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

GB/T 2671.2-2017

Replacing GB/T 2671.2-2004

Hexalobular socket head cap screws

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Quarantine of the People's Republic of China, Standardization
Administration of the People's Republic of China**

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Foreword

This section is one of the national standards of "Hexagon Flower-shaped Screws" series. This series includes.

- GB/T 2671.1 hexagonal flower-shaped low-head screw;
- GB/T 2671.2 hexagonal flower-shaped cylindrical head screws;
- GB/T 2672 hexagonal fan-shaped pan head screws;
- GB/T 2673 hexagonal flower-shaped countersunk head screws;
- GB/T 2674 hexagonal flower-shaped countersunk head screw.

This section GB/T 2671 Part 2.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section instead of GB/T 2671.2-2004 "hexagonal flower-shaped cylindrical head screw", and GB/T 2671.2-2004 compared to the main technology

The changes are as follows.

- Delete "For other technical requirements, GB/T 3098.6 and GB/T 3103.1" (see.2004 edition Chapter 1);
- Reference thread standard uniform GB/T 193, GB/T 9145 (see Chapter 2);
- Increase "e hexagonal flower-shaped acceptance inspection see GB/T 6188" (see Table 1);
- On the steel screws, remove the surface oxidation, increase untreated (see Table 2);
- On stainless steel screws, increase passivation technology requirements according to GB/T 5267.4 (see Table 2).

This section uses the redrafted law to amend the use of ISO 14579.2011 "hexagonal socket head cap screws."

Technical differences from ISO 14579.2011 and the reasons for this are as follows.

--- Deletion ISO 14579 provides that "for other technical requirements, ISO 4759-1 choice." (See Chapter 1), does not belong to the standard

Quasi-prescribed content;

--- Normative references, replace the international standard with our country standard (see Chapter 2), increase the reference GB/T 90.2 (see Table 2),

GB/T 1237 (see 5.1) and GB/T 5267.4 (see Table 2), delete the reference to ISO 965-3 to meet China's fastener base

Basic standard

--- Increase steel and non-ferrous metal screw performance level "d < 3mm. According to the agreement" (see Table 2), a clear specification of small-size product performance level

Regulations

--- Specified non-ferrous metal screw performance rating (see Table 2), in line with China's basic standards fasteners;

--- On stainless steel screws, increase passivation technology requirements according to GB/T 5267.4 (see Table 2), to expand the use of products;

--- Increase packaging technology requirements (see Table 2), in line with China's basic standards fasteners;

--- Modify the mark example To simplify the mark example (see 5.2), to comply with the provisions of GB/T 1237.

This part is proposed by China Machinery Industry Federation.

This part of the National Standardization Technical Committee fasteners (SAC/TC85) centralized.

This section is responsible for the drafting unit. Machine Productivity Promotion Center.

This section to participate in the drafting unit. Shanghai Dongfeng Automotive Parts Co., Ltd..

This part of the National Standardization Technical Committee fasteners responsible for the interpretation.

This part replaces the standards previously issued as.

--- GB/T 2671-1981;

--- GB/T 6191-1986;

--- GB/T 2671.2-2004.

Hexagonal flower-shaped cylindrical head screws

1 Scope

This section GB/T 2671 specifies the hexagonal flower-shaped cylinder head screw type size, technical conditions and markings.

This section applies to thread specifications for the M2 ~ M20, performance levels of 8.8, 9.8, 10.9, 12.9/12.9, A2-70, A3-70, A4-70,

A5-70, CU2 and CU3, Class A hexagonal socket head cap screws.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2 Fastener threaded parts of the end (GB/T 2-2016, ISO 4753.2011, MOD)

GB/T 90.1 fastener inspection (GB/T 90.1-2002, idtISO 3269.2000)

GB/T 90.2 Fasteners signs and packaging

GB/T 193 ordinary thread diameter and pitch series (GB/T 193-2003, ISO 261.1998, MOD)

GB/T 1237 fastener marking method (GB/T 1237-2000, eqvISO 8991.1986)

GB/T 3098.1 Fasteners mechanical properties of bolts, screws and studs (GB/T 3098.1-2010, ISO 898-1.2009,

MOD)

GB/T 3098.6 mechanical properties of fasteners stainless steel bolts, screws and studs (GB/T 3098.6-2014, ISO 3506-1.

2009, MOD)

GB/T 3098.10 mechanical properties of fasteners non-ferrous metal bolts, screws, studs and nuts (GB/T 3098.10-

1993, eqvISO 8839.1986)

GB/T 3103.1 Fasteners Tolerances Bolts, screws, studs and nuts (GB/T 3103.1-2002, idtISO 4759-1.2000)

GB/T 5267.1 fastener plating (GB/T 5267.1-2002, ISO 4042.1999, IDT)

GB/T 5267.2 fasteners non-electrolytic zinc coating (GB/T 5267.2-2002, ISO 10683.2000, IDT)

GB/T 5267.4 Fastener surface treatment corrosion-resistant stainless steel passivation treatment (GB/T 5267.4-2009, ISO 16048.2003,

IDT)

GB/T 5276 Fasteners - Bolts, screws, studs and nuts Dimensions Code and Notations (GB/T 5276-2015, ISO 225.

2010, MOD)

GB/T 5779.1 Fasteners surface defects bolts, screws and studs General requirements (GB/T 5779.1-2000, idt

ISO 6157-1.1988)

GB/T 5779.3 Fasteners surface defects bolts, screws and studs special requirements (GB/T 5779.3-2000, idt

ISO 6157-3.1988)

GB/T 6188 Bolts and screws with hexagonal flowers (GB/T 6188-2000, idtISO 10664.1999)

GB/T 9145 ordinary thread medium precision, the preferred series of the ultimate size (GB/T 9145-2003, ISO 965-2.1998,

MOD)

GB/T 16938 General requirements for fasteners bolts, screws, studs and nuts (GB/T 16938-2008, ISO 8992.

2005, IDT)