



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

GB/T 2672-2017

Hexalobular socket pan head screws

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Foreword

This Standard is one of the serial national standards of "Hexalobular Socket Screws", which include.

- GB/T 2671.1 Hexalobular Socket Cheese (Short) Head Screws
- GB/T 2671.2 Hexalobular Socket Head Cap Screws
- GB/T 2672 Hexalobular Socket Pan Head Screws
- GB/T 2673 Hexagon Lobular Socket Countersunk Head Screws
- GB/T 2674 Hexagon Lobular Socket Raised Countersunk Head Screws

This Standard was drafted as per the rules specified in GB/T 1.1-2009.

This Standard replaced GB/T 2672-2004 Hexalobular Socket Pan Head Screws; compared with GB/T 2672-2004, this Standard has the major technical changes as follows.

- Delete "If other technical requirements are needed,... the selection in GB/T

3098.6 and GB/T 3103.1)." (see Clause 1 of 2004 Edition);

- Add "the acceptance and inspection of hexalobular socket can refer to GB/T 6188" (see Table 1);

- Add the passivation treatment technical requirements against the stainless-steel screws as per GB/T 5267.4 (see Table 2).

This Standard adopts re-drafting method to modify and use ISO 14583.2011

Hexalobular Socket Pan Head Screws.

The technical differences and causes between ISO 14583:2011 and this Standard are as follows.

--- Delete ISO 14583 provisions "if other technical requirements are needed,...the selection in ISO 4759-1." (see Clause 1); which doesn't belong to the contents of this Standard;

--- In the Normative References, use national standards replace the international standards (see Clause 2); increase the quotation of GB/T 2 (see Figure 1), GB/T

90.2 (see Table 2), GB/T 1237 (see 5.1) and GB/T 5267.4 (see Table 2), so that conform to China's basic standards on fasteners;

--- Add the steel and non-ferrous metal screws' property class "d< 3mm; as per agreement" (see Table 2); confirm the provisions on the property class of small Hexalobular Socket Pan Head Screws

1 Scope

This Standard specifies the type and dimension, technical conditions, and marking of hexalobular socket pan head screws.

This Standard is applicable to the hexalobular socket pan head screws with Thread Specification M2~M10, Property Class 4.8, A2-70, A3-70, CU2 and CU3, and Product Grade A.

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

GB/T 2 Fasteners - Ends of Parts with External Thread (GB/T 2-2016, ISO 4753:2011, MOD)

GB/T 90.1 Fasteners - Acceptance Inspection (GB/T 90.1-2002, idt ISO

3269.2000)

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 3098.1 Mechanical Properties of Fasteners - 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 - Bolts, Screws, Studs and Nuts Made of Non-Ferrous Metals (GB/T 3098.10-1993, eqv ISO 8839.1986)

GB/T 3103.1 Tolerances for Fasteners - Bolts, Screws and Nuts (GB/T 3103.1-2002, idt ISO 4759-1.2000)

GB/T 5267.1 Fasteners - Electroplated Coatings (GB/T 5267.1-2002, ISO 4042.1999, IDT)

GB/T 5267.2 Fasteners - Non-Electrolytically Applied Zinc Flake Coatings (GB/T 5267.2-2002, ISO 10683.2000, IDT)

GB/T 5267.4 Passivation of Corrosion - Resistant Stainless - Steel Fasteners (GB/T 5267.4-2009, ISO 16048.2003, IDT)

GB/T 5276 Fasteners - Bolts, Screws, Studs and Nuts - Symbols and Descriptions of Dimensions (GB/T 5276-2015, ISO 225.2010, MOD)

GB/T 5779.1 Fasteners - Surface Discontinuities -Bolts, Screws and Nuts for General Requirements (GB/T 5779.1-2000, idt ISO 6157-1.1988)

GB/T 6188 Hexalobular Internal Driving Feature for Bolts and Screws (GB/T 6188-2000, idt ISO 10664.1999)

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 965-

2.1998, MOD)

GB/T 16938 Fasteners - General Requirements for Bolts, Screws, Studs and Nuts

(GB/T 16938-2008, ISO 8992.2005, IDT)

3 Type and Dimension

The type and dimension of screws can refer to Figure 1 and Table 1.

The dimension code and marking shall conform to GB/T 5276.

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