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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 70.1-2008
Replace GB/T 70.1-2000**

Hexagon Socket Head Cap Screws

内六角圆柱头螺钉

(ISO 4762:2004, MOD)

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Jointly issued by the General Administration of Quality Supervision, Inspection and Quarantine (GAQSIQ) and the Standardization Administration (SAC) of the People's Republic of China

Foreword

This Part is one of the national series standards on "inner hex screw" (including gauge).
This series include:

- GB/T 70.1-2008 Hexagon Socket Head Cap Screws;
- GB/T 70.2-2008 Hexagon Socket Button Head Screws;
- GB/T 70.3-2008 Hexagon Socket Countersunk Head Screws;
- GB/T 70.4 Fine Thread of Hexagon Socket Head Cap Screws;
- GB/T 70.5-2008 Gauging of Hexagon Sockets;
- GB/T 77-2007 Hexagon Socket Set Screws with Flat Point;
- GB/T 78-2007 Hexagon Socket Set Screws with Cone Point;
- GB/T 79-2007 Hexagon Socket Set Screws with Dog Point;
- GB/T 80-2007 Hexagon Socket Set Screws with Cup Point;
- GB/T 5281-1985 Hexagon Socket Head Shoulder Screws

This Part is Part 1 of GB/T 70

This part is modified in relation to ISO 4762: 2004 "Hexagon Socket Head Cap Screws" (English edition), and the major modifications are as follows:

In the normative references, the international standard is replaced with national standard (Chapter 2);

—— The requirements of the packing technology, which are not specified in ISO 4762, are provided in this Part (See Table 2);

——Simplified marks are not specified in ISO 4762 while this standard provides examples of simplified marks (5.2) in accordance with the simplification principle stated in GB/T 1237.

——Performance rate of the nonferrous metal screw are not specified in ISO 4760 while this part provides it (See Table 2).

This Part replaces GB/ T 70.1-2000 "Hexagon Socket Head Cap Screws"

Compared with standard GB/T 70.1-2000, the main changes in this part are as follows:

——The normative references GB/T 5267.2 "Fasteners-Non-Electrolytically Applied Zinc Flake Coatings" and GB/T 70.5 "Gauging of Hexagon Sockets"(Chapter 2) are added;

——Performance rate is added:

$d \leq 24\text{mm}$: A3-70 and A5-70;

$24\text{mm} < d \leq 39\text{mm}$: A3-50 and A5-50 (see Table 2);

——Cancelled Appendix A;

——The original Appendix B "Mass of Hexagon Socket Head Cap Screws" was changed into Appendix A.

Appendix A of this part is informative.

This part was proposed by China Machinery Industry Federation.

This part is under the jurisdiction of the National Standardization Technical Committee of Fastening Piece (SAC/TC 85).

Drafting organization of this part: China Productivity Center for Machinery.

Participating organizations of this part: Shanghai Biaowu High-Tensile Fasteners Co, Ltd, Beijing Standard Fasteners Industrial (Group) Company, Shenyang Standard Part

It is the end of preview.
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