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

GB/T 73-2017

Slotted set screws with flat point

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Foreword

This standard is "tight set screw" one of the national standards. This series includes.

- GB/T 71 slotted cone end set screw;
- GB/T 73 slotted flat set screws;
- GB/T 74 slotted concave end set screw;
- GB/T 75 slotted cylindrical end set screws;
- GB/T 77 Hexagon flat set screws;
- GB/T 78 hexagonal cone-end set screws;
- GB/T 79 hexagonal cylindrical end set screw;
- GB/T 80 hexagon socket set screws;
- GB/T 83 Square Cylindrical Spherical End Set Screw;
- GB/T 84 square head concave set screws;
- GB/T 85 square long cylindrical end set screws;
- GB/T 86 square cylindrical short tapered end of the screw set screws;
- GB/T 821 square head-set screws.

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 73-1985 "Slotted set screws", and GB/T 73-1985 compared to the main technical changes are as follows.

- Reference thread standard uniform GB/T 193, GB/T 9145 (see Chapter 2, Table 2);
- Increasing M3.5 thread size (see Table 1);
- Increase the general technical conditions according to GB/T 16938 (see Table 2);
- Stainless steel performance rating modified. A1-12H (see Table 2);

--- Increase non-ferrous metal CU2, CU3 (see Table 2);

--- Steel screws, remove the surface oxidation, increase the untreated and non-electrolytic zinc coating technology requirements according to GB/T 5267.2

(See table 2);

--- Stainless steel screws, remove untreated, add simple processing and passivation processing technology requirements according to GB/T 5267.4 (see Table 2);

--- Added "For other technical requirements or surface treatment, by the supply and demand agreement" (see Table 2);

--- Increase the surface of the steel screw defects (see Table 2).

This standard uses redrafted Law Amendment uses ISO 4766.2011 "slotted flat set screws."

This standard and ISO 4766.2011 technical differences and the reasons are as follows.

--- Deleted ISO 4766 "For other technical requirements, ISO 3506-3 and ISO 4759-1" (see paragraph 1

Chapter), does not belong to the content of this standard;

--- Normative references, with our standard instead of international standards (see Chapter 2), increase the reference GB/T 90.2 (see Table 2) and

GB/T 1237 (see 5.1), remove the reference to ISO 965-3 to meet the basic standards of our fastener;

--- Increased steel and stainless steel screw performance level "d < 1.6mm. According to the agreement" (see Table 2), a clear specification of small product performance level

Regulations

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

--- 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 standard is proposed by the China Machinery Industry Federation.

This standard by the National Standardization Technical Committee fasteners (SAC/TC85) centralized.

This standard is drafted by. Machine Productivity Promotion Center.

Participate in the drafting of this standard. Jeddah Metals Co., Ltd. Zhejiang.

This standard by the National Standardization Technical Committee fasteners responsible for the interpretation.

This standard replaces the standards previously issued as.

--- GB/T 73-1958, GB/T 73-1966, GB/T 73-1976, GB/T 73-1985.

Slotted flat set screw

1 Scope

This standard specifies the type size, technical conditions and marking slotted flat set screws.

This standard applies to thread specifications M1.2 ~ M12, product level A-level slotted flat set 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 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 3098.3 fasteners fasteners mechanical properties (GB/T 3098.3-2016, ISO 898-5.2012, 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 3098.16 mechanical properties of fasteners stainless steel set screws (GB/T 3098.16-2014, ISO 3506-3.2009, MOD)

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, idtISO 6157-1.1988)

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)

3 type size

Screw type and size shown in Figure 1 and Table 1.

Size code and label should be consistent with GB/T 5276.