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

GB/T 5282-2017

Slotted pan head tapping screws

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Foreword

This standard is "self-tapping screws" one of the national standards. This series includes.

- GB/T 845 cross pan head self-tapping screws;
- GB/T 846 countersunk countersunk head self-tapping screws;
- GB/T 847 cross recessed countersunk head self-tapping screws;
- GB/T 2670.1 hexagonal flower-shaped pan head tapping screws;
- GB/T 2670.2 hexagonal flower-shaped countersunk head self-tapping screws;
- GB/T 2670.3 hexagonal flower-shaped semi-countersunk head self-tapping screws;
- GB/T 5282 slotted plate self-tapping screws;
- GB/T 5283 Slotted countersunk head tapping screws;
- GB/T 5284 Slotted semi-countersunk head self-tapping screws;
- GB/T 5285 hex head self-tapping screws;
- GB/T 9456 cross recessed hexagonal head self-tapping screws;
- GB/T 13806.2 precision machinery fasteners cross-slotted tapping screw scraping end;
- GB/T 16824.1 Hex flange self-tapping screws;
- GB/T 16824.2 Hex flange self tapping screws.

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

This standard replaces GB/T 5282-1985 "slotted pan head tapping screws", this standard compared with GB/T 5282-1985, the main technology

The changes are as follows.

- Increased R type (see Figure 1 and Table 1);
- Increase the general technical conditions according to GB/T 16938 (see Chapter 2,

Table 2);

--- Steel screws, non-treated zinc and non-electrolytic coating technology requirements according to GB/T 5267.2 (see Table 2);

--- Increase the stainless steel screw products and technical requirements (see Table 2);

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

This standard uses redrafted Law revision using ISO 1481.2011 "slotted pan head tapping screws."

Technical differences from ISO 1481.2011 and the reasons for this are as follows.

--- 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), in order to meet the basic standards of fasteners.

--- Increase packaging 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.

Participated in the drafting of this standard. Machinery Industry General Parts Product Quality Supervision and Testing Center.

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

This standard replaces the standards previously issued as.

--- GB/T 5282-1976, GB/T 5282-1985.

Slotted pan head tapping screws

1 Scope

This standard specifies the type size, technical conditions and marking slotted pan head tapping screws.

This standard applies to thread specifications for the ST2.2 ~ ST9.5, product class A slotted

pan head self-tapping 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 Fastener packaging and labeling

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

GB/T 3098.5 mechanical properties of fasteners Self-tapping screws (GB/T 3098.5-2016, ISO 2702.2011, MOD)

GB/T 3098.21 Mechanical properties of fasteners Stainless steel self-tapping screws (GB/T 3098.21-2014, ISO 3506-4.2009,

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 5280 self-tapping screws (GB/T 5280-2002, idtISO 1478.1999)

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

2005, IDT)

3 type size

Self-tapping screw type size shown in Figure 1 and Table 1.

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

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