

Translated English of Chinese Standard: GB/T5285-2017

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# GB

NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA

ICS 21.060.10

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## GB/T 5285-2017

Replacing GB/T 5285-1985

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### Hexagon head tapping screws

(ISO 1479:2011, MOD)

六角头自攻螺钉

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**Standardization Administration of the People's Republic of China.**

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## Foreword

This Standard is one of “tapping screws” series national standards. This series includes:

- GB/T 845, *Cross Recessed Pan Head Tapping Screws*;
- GB/T 846, *Cross-recessed countersunk (flat) head tapping screws*;
- GB/T 847, *Cross-recessed raised countersunk (oval) head tapping screws*;
- GB/T 2670.1, *Hexalobular socket pan head tapping screws*;
- GB/T 2670.2, *Hexalobular socket countersunk head tapping screws*;
- GB/T 2670.3, *Hexalobular socket raised countersunk(oval)head tapping screws*;
- GB/T 5282, *Slotted pan head tapping screws*;
- GB/T 5283, *Slotted countersunk (flat) head tapping screws*;
- GB/T 5284, *Slotted raised countersunk (oval) head tapping screws*;
- GB/T 5285, *Hexagon head tapping screws*;
- GB/T 9456, *Cross recessed hexagon head tapping screws with indentation*;
- GB/T 13806.2, *Fasteners for fine mechanics - Cross recessed tapping screws - Scrape point*;
- GB/T 16824.1, *Hexagon washer head tapping screws*;
- GB/T 16824.2, *Hexagon flange head tapping screws*.

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

This Standard replaces GB/T 5285-1985 “Hexagon head tapping screws”. Compared with GB/T 5285-1985, the main technical changes in this Standard are as follows:

- added R-type (see Figure 1 and Table 1);
- added that general technical conditions are in accordance with GB/T 16938 (see Table 2);
- for steel screw, added that technical requirements for untreated and non-electrolytic zinc sheet coating are in accordance with GB/T 5267.2 (see

# Hexagon head tapping screws

## 1 Scope

This Standard specifies type size, technical conditions and marks for hexagon head tapping screws.

This Standard applies to hexagon head tapping screws of which thread size is ST 2.2~ST 9.5, product level is A.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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 1237, *Designation system for fasteners* (GB/T 1237-2000, eqv ISO 8991:1986)

GB/T 3098.5, *Mechanical properties of fasteners - Tapping screws* (GB/T 3098.5-2016, ISO 2702:2011, MOD)

GB/T 3098.21, *Mechanical properties of fasteners. Stainless steel tapping screws* (GB/T 3098.21-2014, ISO 3506-4:2009, MOD)

GB/T 3103.1, *Essential oils and aromatic extracts - Determination of residual benzene content* (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)

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