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

**GB/T 152.2-2014**

Replacing GB/T 152.2-1988

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**Fasteners -- Countersinks for countersunk head screws**

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**(English Translation)**

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### Foreword

GB/T 152 is part of the "fastener through-holes and sink holes," one national standard series, the series of standards include.

- GB/T 152.1 rivet fasteners through holes;
- GB/T 152.2 fasteners countersunk head screws sink hole;
- GB/T 152.3 fastener cylinder head with a sink hole;
- GB/T 152.4 fastener hex head bolts and hex nuts sink hole;
- GB/T 152.5 fasteners countersunk head wood screws with a sink hole;
- GB/T 5277 fastener bolts and screws through holes.

This part of GB/Part 2 T 152's.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This portion instead of GB/T 152.2-1988 "Shen fastener head with a sink hole." this portion of the GB/T 152.2-1988 main changes are as follows.

- As an independent standard, modified standard name;
- Increase the reference standard;
- Cancel M12, M14, M16 and M20, an increase of 5.5mm Specification (see Table 1);
- Does not include countersunk head wood screws and countersunk head wood screws with the contents of wells (see GB/T 152.2-1988 Table 3);
- Added notation for drawing and representation (Chapter 5 Chapter 4).

The partial modification of the use of ISO 15065:2005 "in line with ISO 7721 head shape countersunk screws sink hole" (in English). Major repair Changed as follows.

- Modify the standard name;
- In the reference file, instead of using our standards with international standards (Chapter

2);

--- Canceled and repeated references to the standard reference.

This part is proposed by China Machinery Industry Federation.

This part of the National Standardization Technical Committee fasteners (SAC/TC85) centralized.

This section is responsible for drafting unit. Productivity Promotion Center in the machine.

This part of the standard replaces the previous editions are.

--- GB 152-1959, GB 152-1976;

--- GB/T 152.2-1988.

Shen Shen head screws fastening hole

## 1 Scope

This section GB/T 152 specifies the shape of the head in line with GB/T 5279 Shen head screws, countersunk head screws, countersunk head self-tapping screws and a half Countersunk head tapping screw type, size and marking of wells.

## 2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 5277 fastener bolts and screws through holes (GB/T 5277-1985, eqv ISO 273. 1979)  
GB/T 5279 countersunk screw head shape and measurement (GB/T 5279-1985, idt ISO 7721. 1983)

## 3 Dimensions

Sink hole pattern dimensions shown in Figure 1 and Table 1.

Figure 1 sink hole

Table 1 Dimensions are in millimeters

Nominal thread size specifications dha Dc min (nominal) max min (nominal) max

1.6 M1.6 - 1.80 1.94 3.6 3.7 0.95

2 M2 ST2.2 2.40 2.54 4.4 4.5 1.05

2.5 M2.5 - 2.90 3.04 5.5 5.6 1.35

3 M3 ST2.9 3.40 3.58 6.3 6.5 1.55

**3.5**

M3.5 ST3.5 3.90 4.08 8.2 8.4 2.25

4 M4 ST4.2 4.50 4.68 9.4 9.6 2.55