

CCS J 47



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

**GB/T 5356-2021**

---

**Hexagon socket screw keys**

**Issued on: November 26, 2021**

**Implemented on: June 1, 2022**

---

**Issued by: State Administration for Market Regulation, China National  
Standardization Administration**

## Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

4 Product classification and marking

4.1 Product Classification

4.2 Product marking

### Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents" Drafting.

This document replaces GB/T 5356-2008 "Inner Hexagonal Wrench", compared with GB/T 5356-2008, except for structural adjustments and editorial changes

In addition, the main technical changes are as follows.

---Added product classification and marking (see Chapter 4);

---Change the product mark (see 4.2, 3.3 of the.2008 edition);

---Added material requirements (see 5.1, 6.1);

---Added specifications 5.5mm, 41mm, 46mm and related dimensions (see 5.2);

---Change the basic size (see 5.2, 3.2 in the.2008 edition);

---Added surface treatment requirements (see 5.3.3);

---The hardness value has been changed, and the torque value of the three specifications of the opposite side width of 5.5mm, 41mm and 46mm has been added (see 5.4,.2008 edition

4.4);

---Added material test methods (see 6.1);

---Increase the inspection method of the end face round chamfer radius and straight chamfer width (see 6.2.2);

- Changed the straightness test method (see 6.2.4, 5.4 of the.2008 edition);
- The torque test method is changed (see 6.4.2, 5.7 in the.2008 edition);
- Change the inspection rules (see Chapter 7, Chapter 6 of the.2008 edition);
- Change the product mark (see 8.1, 7.1 of the.2008 edition).

This document uses the redrafting method to modify and adopt ISO 2936.2014 "Screw and Nut Assembly Tool Allen Wrench".

Compared with ISO 2936.2014, this document has many adjustments in structure. Appendix A lists the differences between this document and ISO 2936.2014.

Check list of article number changes.

Compared with ISO 2936.2014, this document has technical differences.

The set vertical single line (|) is marked, and a list of the corresponding technical differences and their reasons is given in Appendix B.

The following editorial changes have been made to this document.

- Modify the file name to "Inner Hexagonal Wrench";
- Changed the code names of the long handle type long type and the extended type;
- Changed the marking example;
- Added the "Note" in Figure 1;
- In Table 1, "Specifications" is added;
- References have been deleted.

## 1 Scope

This document specifies the product classification and marking, requirements, test methods, inspection rules and markings, packaging, transportation and storage of allen wrenches.

This document is applicable to allen wrenches used to drive hexagon socket screws.

## 2 Normative references

The content of the following documents constitutes an indispensable clause of this document through normative references in the text. Among them, dated quotations

Only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

This document.

GB/T 230.1 Rockwell hardness test of metallic materials Part 1. Test method (GB/T 230.1-2018, ISO 6508-1.

2016, MOD)

GB/T 2828.1 Sampling inspection procedure by attributes Part 1. Batch inspection sampling plan retrieved by acceptance quality limit (AQL)

(GB/T 2828.1-2012, ISO 2859-1.1999, IDT)

GB/T 5305 Hand tool packaging, marking, transportation and storage

### 3 Terms and definitions

There are no terms and definitions that need to be defined in this document.

#### 4.1 Product Classification

Allen wrenches are divided into standard type (no code), long type (code name L) and extended type (code name XL) according to the type of long handle.

#### 4.2 Product marking

The mark of the Allen wrench is composed of product name, document number, specification, and long handle type.

product name

GB/T 5356-

File No

Specifications in millimeters (mm)

Long handle type

Example 1. A standard hexagon wrench with a specification of 12mm, marked as.

Allen wrench GB/T 5356-12.

Example 2. A long hexagon wrench with a specification of 10mm, marked as.

Allen wrench GB/T 5356-10L.

Example 3. An extended hexagon wrench with a specification of 8mm, marked as.

Allen wrench GB/T 5356-8XL.