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

GB/T 37895-2019

**Dimensions of accessories for cutter arbors with parallel key
and tenon drive**

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Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 size
- 3.1 General provisions
- 3.2 flat key

Foreword

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

This standard uses the redrafting method to modify the ISO 10643.2009 "size with flat key and end key drive milling cutter attachment".

The technical differences between this standard and ISO 10643.2009 and their reasons are as follows.

---About the normative reference documents, this standard has made technical adjustments to adapt to China's technical conditions, adjustments

The situation is reflected in Chapter 2, "Regulatory Citations", and the specific adjustments are as follows.

- * Replace ISO 2768-2 with GB/T 1184 equivalent to the international standard;
- * Replace ISO 2768-1 with GB/T 1804 equivalent to the international standard;
- * Replace ISO 898 with GB/T 3098.1 equivalent to the international standard;
- * Replace ISO 240 with GB/T 6132, which is equivalent to the international standard.

This standard has made the following editorial changes.

--- According to the requirements of mechanical drawing, the direction of the angle of Figure 2 was modified.

--- According to the actual situation in the country, the reference documents of international standards have been deleted.

This standard was proposed by the China Machinery Industry Federation.

This standard is under the jurisdiction of the National Tool Standardization Technical Committee (SAC/TC91).

This standard is drafted by. Chengdu Tool Research Institute Co., Ltd., Sichuan Tianhu Tools Co., Ltd., Tyson Yingge (Chengdu)

Control Tool Co., Ltd.

1 Scope

This standard specifies the dimensions of the accessories with flat key and end key drive milling cutter. The accessories include. flat key, drive ring, fastening bolt and screw of the cutter bar.

Bolt wrench. They also specify their materials and markings.

This standard applies to accessories for milling cutters with flat and end key drives.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 1184 Shape and position tolerances without tolerance values (GB/T 1184-1996, eqvISO 2768-2. 1989)

GB/T 1804 General tolerances No tolerances for linear and angular dimensions (GB/T 1804-2000, eqvISO 2768-1.

1989)

GB/T 3098.1 Mechanical properties of fasteners, bolts, screws and studs (GB/T 3098.1-2010, ISO 898-1.2009, IDT)

Interchangeable dimensions of GB/T 6132 milling cutters and milling cutters (GB/T 6132-2006, ISO 240.1994, IDT)

3.1 General provisions

All dimensions and tolerances are in millimeters.

The given graph is only a sketch, not as a detailed drawing, just giving the dimensions that need to be met.

The tolerances of the unlinear and angular dimensions are not in accordance with the "m" class of GB/T 1804, and the tolerances of the unfilled shape and position are in accordance with GB/T 1184.

"k" level.

3.2 flat key

The dimensions of the flat keys are as specified in Figure 1 and Table 1.

The size of the keyway is as specified in GB/T 6132.

The details not provided are determined by the manufacturer.

Figure 1 Flat key

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