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

GB/T 38759-2020

Machine tools - Work holding chucks - Vocabulary

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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 and adopt ISO 19719..2010 "Terminology for machine tool chucks".

There are structural differences between this standard and ISO 19719..2010 in Appendix A. Compared with ISO 19719..2010, this standard has technical

Technical differences, the terms involved in these differences have been marked by a vertical single line (|) on the outside margin of the page, specific technical

The differences and their causes are as follows.

--- Deleted the contents of Note 1 and Note 2 of the original ISO 19719..2010 in "Scope"; the reason is that Note 1 and Note 2 are from the international standard corner

Explained by the degree, our standard does not use this interpretation.

--- With regard to normative quotation documents, this standard has been adjusted with technical differences to adapt to China's technical conditions and adjustments

The situation is reflected in Chapter 2 "Regulatory Reference Documents". The specific adjustments are as follows.

- * Replaced ISO 702-1 with GB/T 5900.1 modified to adopt international standards;
- * Replace ISO 702-2 with GB/T 5900.2 equivalent to international standards;
- * Replace ISO 702-3 with GB/T 5900.3 equivalent to international standards;
- * Replaced ISO 3442-1 with GB/T 31396.1 equivalent to international standards;
- * Replace ISO 3442-2 with GB/T 31396.2 which is equivalent to adopting international standards;
- * Replaced ISO 3442-3 with GB/T 31396.3 equivalent to international standards.

--- Added Chinese index.

This standard was proposed by the China National Machinery Industry Federation.

This standard is under the jurisdiction of the National Metal Cutting Machine Tool Standardization Technical Committee (SAC/TC22).

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1 Scope

This standard specifies the types of machine tool chuck devices, chuck components, hydraulic and pneumatic components, clamping devices and accessories, and clamping technology

Common terms.

This standard applies to general-purpose metal cutting machine tool clamping technology and chuck general technical vocabulary.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this article

Pieces. For the cited documents without date, the latest version (including all amendments) applies to this document.

GB/T 5900.1 Machine tool spindle end and chuck connection dimensions Part 1. Conical connection (GB/T 5900.1-2008,

ISO 702-1..2001, MOD)

GB/T 5900.2 Interchangeable dimensions of the end of the machine tool spindle and faceplate. Part 2. Cam lock type (GB/T 5900.2-

1997, eqvISO 702/II. 1975)

GB/T 5900.3 The interchangeable dimensions of the end of the machine tool spindle and the faceplate. Part 3. Bayonet type (GB/T 5900.3-1997,

(eqvISO 702/III. 1975)

GB/T 31396.1 Machine tool separation claw self-centering chuck size and geometric accuracy inspection part 1. key, slot matching type manual card

Disk (GB/T 31396.1-2015, ISO 3442-1..2005, IDT)

GB/T 31396.2 Machine tool separation claw self-centering chuck size and geometric accuracy inspection part 2. key, slot matching type power card

Disk (GB/T 31396.2-2015, ISO 3442-2..2005, IDT)

GB/T 31396.3 Dimensions and geometric accuracy of self-centering chucks for machine tool separation claws. Part 3. Comb-tooth matching chuck

(GB/T 31396.3-2020, ISO 3442-3..2007, IDT)

ISO 702-4 Machine tool spindle end and chuck connection dimensions Part 4. Cylindrical connection (Machinetools-Connecting

dimensionsofspindlenosesandworkholdingchucks-Part 4. Cylindricalconnection)

3.1 Types of clamping devices

3.1.1

Chuck

Clamping device with moving jaws to clamp the workpiece.

see picture 1.