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

GB/T 1443-2016

Replacing GB/T 1443-1996

**Self-holding tapers for machine tools and tool shanks
(English Translation)**

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Foreword

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

This standard replaces GB/T 1443-1996 "machine tools and tool handles with clip from the cone." this standard and GB/T 1443-1996 compared to the main changes are as follows.

- Modify the normative references;
- Note to the table in Table 1 in the segment table;
- Increased by 1, Note 2 of FIG;
- Cone tolerances and order type and size of the swap;
- Added Appendix A.

This standard uses redrafted law revision using ISO 296:1991 "Machine tool shank with self-locking cone." this standard and ISO 296:1991 compared to the existence of technical differences, Appendix A gives the list of the corresponding technical differences and their causes.

This standard and ISO 296:1991 compared also made the following editorial changes.

- International standards in Figures 1 and 2 of this standard spin-off of Figure 1, Figure 2, Figure 3, Figure 4 statements.

The standard proposed by China Machinery Industry Federation.

This standard tool by the National Standardization Technical Committee (SAC/TC91) centralized.

1 Scope

This standard specifies the number 4,6,80,100,120,160,200 Metric cone and No. 0,1,2,3,4,5,6 Morse taper dimensions and tolerances.

This standard applies to machine tools and tool shank with clips from the cone.

2 Normative references

The following documents for the application of this document is essential. For cited documents with dates, only the dated edition applies to this document. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 11334 Geometrical product specifications (GPS) taper tolerance

3 Taper tolerance

11334 taper angle tolerances specified by the GB/T AT7, the outer conical positive bias, negative bias within the cone.

Inner and outer conical basic dimensions and tolerances D, testing with the corresponding gauge.

4 Type and size

Cone type and size specified in Figure 1 to Figure 4 and Table 1.

Note: The outer surface of the cone can be made discontinuous.

1 with inner cone and outer cone end flat