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

GB/T 4133-2025

Replacing GB/T 4133-1984

Machine tools - Positive drive of Morse tapers

机床 莫氏圆锥强制传动

(English Translation)

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Foreword

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

This document replaces GB/T 4133-1984 "Forced Transmission Types and Dimensions of Morse Taper Cones". Compared with GB/T 4133-1984, the main differences are... The technological changes are as follows.

---The dimensions specified in ISO 296 have been removed, and the tolerances for b and b1 have been changed (see Table 1, 1984 edition).

This document is equivalent to ISO 5413:1993 "Morse bevel drive for machine tools".

1 Scope

This document specifies the dimensions for Morse external and internal cone forced drives.

Other dimensions of the Morse taper are in accordance with ISO 296.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies to this document.

Note: GB/T 1443-2016 Self-clamping tapers for machine tools and tool shanks (ISO 296:1991, MOD)

3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.

The dimensions of the Morse cone forced transmission are shown in Figure 1 and Table 1.