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

GB/T 46632-2025

**Tools for pressing - Round punches with 60 degree conical
head and straight shank**

冲模 60°锥头直杆圆凸模

(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 is modified to adopt ISO 6752:2008 "Punching Dies - 60° Conical Head Straight Rod Round Punch". This document includes a new chapter on "Terms and Definitions". The following editorial changes have been made to this document.

The "HRC" is consistent with the actual situation in the industry and also maintains the same hardness as the other parts of the punch [see Chapter 5a).

1 Scope

This document specifies the basic dimensions of a 60° conical straight rod round punch with a diameter of 0.5mm to 20mm.

This document also provides examples of materials and hardness, and specifies the markings for punches conforming to this document. The punches specified in this document... The die is mainly used for punching holes in steel plates, but it can also be used for punching holes in other materials.

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.

ISO 2768-1:1989 General tolerances - Part 1: Tolerances for linear and angular dimensions without specified tolerances

Note: GB/T 1804-2000 General tolerances. Tolerances for linear and angular dimensions without specified tolerances (ISO 2768-1:1989, eqv)

3 Terms and Definitions

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

The dimensions of the 60° conical straight rod round punch should conform to the values given in Figure 1 and Table 1. General tolerances. ISO 2768-m Surface roughness is measured in micrometers.