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**Metallic materials — Knoop  
hardness test —**

**Part 2:  
Verification and calibration of testing  
machines**

*Matériaux métalliques — Essai de dureté Knoop —*

*Partie 2: Vérification et étalonnage des machines d'essai*

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## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 164, *Mechanical testing of metals*, Subcommittee SC 3, *Hardness testing*.

This second edition cancels and replaces the first edition (ISO 4545-2:2005), which has been technically revised.

The main changes compared to the previous edition are as follows:

- all references have been removed of indentation diagonals <0,020 mm;
- the requirements for the calibration and verification of the measuring system have been revised;
- the requirements for the maximum permissible error in measuring a reference indentation have been revised;
- the recommendations for inspection and monitoring of the indenter have been moved to ISO 4545-1;
- [Annex A](#) has been revised.

A list of all parts in the ISO 4545 series can be found on the ISO website.