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Second edition
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Metallic materials — Knoop hardness test —

Part 3: Calibration of reference blocks

*Matériaux métalliques — Essai de dureté Knoop —
Partie 3: Étalonnage des blocs de référence*



Reference number
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Foreword

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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 third edition (ISO 4545-3:2005), which has been technically revised.

Significant technical changes from the previous edition of this document include:

- the requirements for the maximum test surface area of the reference block have been added;
- the requirements for the maximum uncertainty of the line intervals on the stage micrometer have been revised;
- the requirements for the calibration and verification of the measuring system have been revised, as per ISO 4545-2;
- the requirements for the uniformity of the reference block hardness have been revised to account for different numbers of calibration indentations;
- the timing requirements for the approach velocity and the time duration at maximum test force have been revised to indicate a target time value;
- [Annex B](#) has been revised

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