

Metallic materials — Knoop hardness test —

Part 1: Test method

The European Standard EN ISO 4545-1:2005 has the status of a British Standard

ICS 77.040.10

National foreword

This British Standard is the official English language version of EN ISO 4545-1:2005. It is identical with ISO 4545-1:2005.

The UK participation in its preparation was entrusted by Technical Committee ISE/NFE/4, Mechanical testing of metals, to Subcommittee ISE/NFE/4/5, Indentation/hardness testing, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

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Summary of pages

This document comprises a front cover, an inside front cover, the EN ISO title page, the EN ISO foreword page, the ISO title page, pages ii to v, a blank page, pages 1 to 14, an inside back cover and a back cover.

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English Version

**Metallic materials - Knoop hardness test - Part 1: Test method
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Matériaux métalliques - Essai de dureté Knoop - Partie 1:
Méthode d'essai (ISO 4545-1:2005)

Metallische Werkstoffe - Härteprüfung nach Knoop - Teil 1:
Prüfverfahren (ISO 4545-1:2005)

This European Standard was approved by CEN on 28 October 2005.

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Foreword

This document (EN ISO 4545-1:2005) has been prepared by Technical Committee ISO/TC 164 "Mechanical testing of metals" in collaboration with Technical Committee ECISS/TC 1 "Steel - Mechanical testing", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2006, and conflicting national standards shall be withdrawn at the latest by May 2006.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of ISO 4545-1:2005 has been approved by CEN as EN ISO 4545-1:2005 without any modifications.

INTERNATIONAL STANDARD

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Metallic materials — Knoop hardness test —

Part 1: Test method

*Matériaux métalliques — Essai de dureté Knoop —
Partie 1: Méthode d'essai*



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Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 4545-1 was prepared by Technical Committee ISO/TC 164, *Mechanical testing of metals*, Subcommittee SC 3, *Hardness testing*.

ISO 4545-1 cancels and replaces ISO 4545:1993, which has been technically revised.

ISO 4545 consists of the following parts, under the general title *Metallic materials — Knoop hardness test*:

- *Part 1: Test method*
- *Part 2: Verification and calibration of testing machines*
- *Part 3: Calibration of reference blocks*
- *Part 4: Table of hardness values*