

INTERNATIONAL STANDARD

ISO 6508-1

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Metallic materials — Rockwell hardness test —

Part 1: Test method (scales A, B, C, D, E, F, G, H, K, N, T)

Matériaux métalliques — Essai de dureté Rockwell —

Partie 1: Méthode d'essai (échelles A, B, C, D, E, F, G, H, K, N, T)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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.

International Standard 6508-1 was prepared by the Technical Committee ISO/TC 164, *Mechanical testing of metals*, Subcommittee SC 3, *Hardness testing*.

This first edition of ISO 6508-1 cancels and replaces ISO 6508:1986 and ISO 1024:1989, of which it constitutes a technical revision as follows:

- Combination of the two different International Standards for the different scales (ISO 6508:1986 and ISO 1024:1989) into this part of ISO 6508.
- Addition of clause 8 concerning the accuracy of the test results.
- Addition of annex A concerning the conventional HR30Tm test for thin products.
- Addition of annex E concerning a procedure for a periodic check of the testing machines by users.
- Addition of annex F concerning notes on diamond indenters.
- Addition of a hardmetal ball as indenter.

ISO 6508 consists of the following parts, under the general title *Metallic materials — Rockwell hardness test*:

- *Part 1: Test method (scales A, B, C, D, E, F, G, H, K, N, T)*
- *Part 2: Verification and calibration of testing machines (scales A, B, C, D, E, F, G, H, K, N, T)*
- *Part 3: Calibration of reference blocks (scales A, B, C, D, E, F, G, H, K, N, T)*

Annexes A, B, C and D form a normative part of this part of ISO 6508. Annexes E and F are for information only.