



MALAYSIAN STANDARD

MS ISO 6508-3:2017

**Metallic materials - Rockwell hardness test -
Part 3: Calibration of reference blocks
(Second revision)
(ISO 6508-3:2015, IDT)**

ICS: 77.040.10

Descriptors: calibration, reference blocks, Rockwell hardness test, metallic materials

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Committee representation

The Industry Standards Committee on Metallic Materials and Semi-Finished Products (ISC P) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia
Association of Marine Industries of Malaysia
Construction Industry Development Board Malaysia
Department of Standards Malaysia
Federation of Malaysian Manufacturers
IKRAM QA Services Sdn Bhd
Institute of Materials Malaysia
Jabatan Kerja Raya Malaysia
Malaysia Steel Association
Malaysia Steel Institute
Malaysian Iron and Steel Industry Federation
Master Builders Association Malaysia
Ministry of International Trade and Industry
Pertubuhan Akitek Malaysia
SIRIM Berhad (National Centre for Machinery and Tooling Technology)
SIRIM Berhad (National Precision Tooling Sdn Bhd)
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
The Institution of Engineers, Malaysia
Universiti Malaya (Fakulti Kejuruteraan Mekanikal)
Universiti Sains Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Mechanical Testing of Metallic Materials which recommended the adoption of the ISO Standard as Malaysian Standard consists of representatives from the following organisations:

Construction Industry Development Board Malaysia
Department of Occupational Safety and Health Malaysia
Jabatan Kerja Raya Malaysia
Malaysian Iron and Steel Industry Federation
Metallurgical Consultancy and Services Sdn Bhd
PETRONAS Lubricants International Sdn Bhd
Shell Refining Company (FOM) Berhad
SIRIM Berhad (Advanced Materials Research Centre)
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
The Institution of Engineers, Malaysia
Universiti Malaya
Universiti Teknologi Malaysia
Universiti Teknologi MARA
Universiti Teknologi PETRONAS

National foreword

The adoption of the ISO Standard as a Malaysian Standard was recommended by the Technical Committee on Mechanical Testing of Metallic Materials under the authority of the Industry Standards Committee on Metallic Materials and Semi-Finished Products.

This Malaysian Standard is identical with ISO 6508-3:2015, *Metallic materials - Rockwell hardness test - Part 3: Calibration of reference blocks*, published by the International Organization for Standardization (ISO). However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, "this International Standard" should read "this Malaysian Standard";
- b) the comma which is used as a decimal sign (if any), to read as a point; and
- c) reference to International Standards should be replaced by corresponding Malaysian Standards as follows:

Referenced International Standards

ISO 376, *Metallic materials - Calibration of force-proving instruments used for the verification of uniaxial testing machines*

ISO 6508-2:2015, *Metallic materials - Rockwell hardness test - Part 2: Verification and calibration of testing machines and indenters*

Corresponding Malaysian Standards

MS ISO 376, *Metallic materials - Calibration of force-proving instruments used for the verification of uniaxial testing machines*

MS ISO 6508-2:2017, *Metallic materials - Rockwell hardness test - Part 2: Verification and calibration of testing machines and indenters*

This Malaysian Standard cancels and replaces MS ISO 6508-3:2009, *Metallic materials - Rockwell hardness test - Part 3: Calibration of reference blocks (scales A, B, C, D, E, F, G, H, K, N, T) (First revision)*.

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

NOTE. IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, and wording (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21-1.

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.

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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 164, *Mechanical testing of metals*, Subcommittee SC 3, *Hardness testing*.

This third edition cancels and replaces the second edition (ISO 6508-3:2005), which has been technically revised.

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

- *Part 1: Test method*
- *Part 2: Verification and calibration of testing machines and indenters*
- *Part 3: Calibration of reference blocks*