



MALAYSIAN STANDARD

MS ISO 6506-1:2009

METALLIC MATERIALS - BRINELL HARDNESS TEST - PART 1: TEST METHOD (SECOND REVISION) (ISO 6506-1:2005, IDT)

ISO 6506-1:2005 is endorsed as Malaysian Standard with the reference number MS ISO 6506-1:2009.

ICS: 77.040.10

Descriptors: metallic materials, brinell, hardness test, test methods, apparatus, test piece, testing machine, periodic checking

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Committee representation

The Industry Standards Committee on Mechanical Engineering (ISC F) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Department of Occupational Safety and Health Malaysia
Department of Standards Malaysia
Jabatan Kerja Raya Malaysia
Machinery and Equipment Manufacturers' Association
Malaysian Industrial Development Authority
Malaysian Iron and Steel Industry Federation
Ministry of International Trade and Industry
National Institute of Occupational Safety and Health
National Water Services Commission
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The Institution of Engineers, Malaysia
Universiti Kebangsaan Malaysia
Universiti Malaya
Universiti Sains Malaysia
Universiti Teknologi Malaysia

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

Construction Industry Development Board Malaysia
Institute of Materials Malaysia
Jabatan Kerja Raya Malaysia
Malaysian Iron and Steel Industry Federation
Metallurgical Consultancy and Services Sdn Bhd
SIRIM Berhad (Advanced Manufacturing Research Centre)
SIRIM Berhad (National Metrology Laboratory)
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
The Institution of Engineers, Malaysia
The Leader Computerised Vehicle Inspection
Universiti Malaya
Universiti Teknologi Malaysia
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Universiti Teknologi PETRONAS

Co-opted members:

Department of Occupational Safety and Health Malaysia
Petronas Group Technology Solutions
SHELL Refining Company (Federation of Malaya) Berhad

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 Mechanical Engineering.

This Malaysian Standard is the second revision of MS ISO 6506-1, *Metallic materials - Brinell hardness test - Part 1: Test method*.

This Malaysian Standard is identical with ISO 6506-1:2005, *Metallic materials - Brinell hardness test - Part 1: Test method*, 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 equivalent Malaysian Standards as follows:

<u>Referenced International Standards</u>	<u>Corresponding Malaysian Standards</u>
ISO 6506-2, <i>Metallic materials - Brinell hardness test - Part 2: Verification and calibration of testing machines</i>	MS ISO 6506-2, <i>Metallic materials - Brinell hardness test - Part 2: Verification and calibration of testing machines</i>
ISO 6506-4, <i>Metallic materials - Brinell hardness test - Part 4: Test method</i>	MS ISO 6506-4, <i>Metallic materials - Brinell hardness test - Part 4: Test method</i>

MS ISO 6506 consists of the following parts, under the general title *Metallic materials - Brinell 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

This Malaysian Standard cancels and replaces MS ISO 6506-1:2003 and MS ISO 410:1999.

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, 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.

**Metallic materials — Brinell hardness
test —**

**Part 1:
Test method**

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

