



MALAYSIAN STANDARD

**MS ISO 8674:2007
(CONFIRMED:2011)**

HEXAGON NUTS, STYLE 2, WITH METRIC FINE PITCH THREAD – PRODUCT GRADES A AND B (ISO 8674:1999, IDT)

ISO 8674:1999 is endorsed as Malaysian Standard with the reference number MS ISO 8674:2007.

ICS: 21.060.20

Descriptors: hexagon nut, style 2, metric fine pitch thread, product grades A, B

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Committee representation

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

Department of Occupational Safety and Health
Department of Standards Malaysia
Jabatan Kerja Raya Malaysia
Kementerian Pertahanan Malaysia
Malaysian Industrial Development Authority
Malaysian Iron and Steel Industry Federation
Ministry of International Trade and Industry
National Institute of Occupational Safety and Health
Petroleum Nasional Berhad
SIRIM QAS International Sdn Bhd (Mechanical Product Testing Section)
Suruhanjaya Tenaga (Jabatan Keselamatan dan Perbekalan Gas)
The Institution of Engineers, Malaysia
Universiti Kebangsaan Malaysia
Universiti Malaya
Universiti Teknologi Malaysia

The Technical Committee on Fasteners and Screw Threads which recommends adoption of the ISO Standard consists of representatives from the following organisations:

Department of Occupational Safety and Health
Jabatan Kerja Raya Malaysia (Cawangan Mekanikal)
Kementerian Pertahanan Malaysia (Pusat Sains dan Teknologi Pertahanan)
Master Builders Association of Malaysia
Motosikal dan Enjin Nasional Sdn Bhd
Power Steel and Electro-plating Works Sdn Bhd
SIRIM Berhad (National Metrology Laboratory)
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd (Building and Construction Material Testing Section)
Syarikat Central Bolts and Nuts Sdn Bhd
The Institution of Engineers, Malaysia
Tong Heer Fasteners Sdn Bhd
Universiti Malaya
Universiti Teknologi Malaysia

NATIONAL FOREWORD

The adoption of the ISO Standard as a Malaysian Standard was recommended by the Technical Committee on Fasteners and Screw Threads under the authority of the Mechanical Engineering Industry Standards Committee.

This Malaysian Standard is identical with ISO 8674:1999, *Hexagon nuts, style 2, with metric fine pitch thread – Product grades A and B*, 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) references to International Standards should be replaced by equivalent Malaysian Standards as follows:

<u>Referenced International Standards</u>	<u>Corresponding Malaysian Standards</u>
ISO 225, <i>Fasteners – Bolts, screws, studs and nuts – Symbols and designations of dimensions</i>	MS ISO 225, <i>Fasteners – Bolts, screws, studs and nuts – Symbols and designations of dimensions</i>
ISO 724, <i>ISO general-purpose metric screw threads – Basic dimensions</i>	MS ISO 724, <i>ISO general-purpose metric screw threads – Basic dimensions</i>
ISO 898-6, <i>Mechanical properties of fasteners – Part 6: Nuts with specified proof load values – Fine pitch thread</i>	MS ISO 898-6, <i>Mechanical properties of fasteners – Part 6: Nuts with specified proof load values – Fine pitch thread</i>
ISO 965-1, <i>ISO general purpose metric screw threads – Tolerances – Part 1: Principles and basic data</i>	MS ISO 965-1, <i>ISO general purpose metric screw threads – Tolerances – Part 1: Principles and basic data</i>
ISO 4759-1, <i>Tolerances for fasteners – Part 1: Bolts, screws, studs and nuts – Product grades A, B and C</i>	MS ISO 4759-1, <i>Tolerances for fasteners – Part 1: Bolts, screws, studs and nuts – Product grades A, B and C</i>

- d) references to International Standards in bibliography should be replaced by equivalent Malaysian Standards as follows:

<u>Referenced International Standards</u>	<u>Corresponding Malaysian Standards</u>
ISO 4014, <i>Hexagon head bolts – Product grades A and B</i>	MS ISO 4014, <i>Hexagon head bolts – Product grades A and B</i>
ISO 4015, <i>Hexagon head bolts – Product grade B – Reduced shank (shank diameter approximately equal to pitch diameter)</i>	MS ISO 4015, <i>Hexagon head bolts – Product grade B – Reduced shank (shank diameter approximately equal to pitch diameter)</i>

NATIONAL FOREWORD (*continued*)

ISO 4016, <i>Hexagon head bolts – Product grade C</i>	MS ISO 4016, <i>Hexagon head bolts – Product grade C</i>
ISO 4017, <i>Hexagon head screws – Product grades A and B</i>	MS ISO 4017, <i>Hexagon head screws – Product grades A and B</i>
ISO 4018, <i>Hexagon head screws – Product grade C</i>	MS ISO 4018, <i>Hexagon head screws – Product grade C</i>
ISO 4033, <i>Hexagon nuts, style 2 – Product grades A and B</i>	MS ISO 4033, <i>Hexagon nuts, style 2 – Product grades A and B</i>
ISO 4034, <i>Hexagon nuts – Product grade C</i>	MS ISO 4034, <i>Hexagon nuts – Product grade C</i>
ISO 4035, <i>Hexagon thin nuts (chamfered) – Product grades A and B</i>	MS ISO 4035, <i>Hexagon thin nuts (chamfered) – Product grades A and B</i>
ISO 4036, <i>Hexagon thin nuts (unchamfered) – Product grade B</i>	MS ISO 4036, <i>Hexagon thin nuts (unchamfered) – Product grade B</i>
ISO 8673, <i>Hexagon nuts, style 1, with metric fine pitch thread – Product grades A and B</i>	MS ISO 8673, <i>Hexagon nuts, style 1, with metric fine pitch thread – Product grades A and B</i>
ISO 8674, <i>Hexagon nuts, style 2, with metric fine pitch thread – Product grades A and B</i>	MS ISO 8674, <i>Hexagon nuts, style 2, with metric fine pitch thread – Product grades A and B</i>
ISO 8675, <i>Hexagon thin nuts (chamfered) with metric fine pitch thread – Product grades A and B</i>	MS ISO 8675, <i>Hexagon thin nuts (chamfered) with metric fine pitch thread – Product grades A and B</i>
ISO 8676, <i>Hexagon head screws with metric fine pitch thread – Product grades A and B</i>	MS ISO 8676, <i>Hexagon head screws with metric fine pitch thread – Product grades A and B</i>

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.

**Hexagon nuts, style 2, with metric fine pitch
thread — Product grades A and B**

Écrous hexagonaux, style 2, à filetage métrique à pas fin — Grades A et B



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 ISO 8674 was prepared by Technical Committee ISO/TC 2, *Fasteners*.

This second edition cancels and replaces the first edition (ISO 8674:1988) which has been technically revised.

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Printed in Switzerland