



MALAYSIAN STANDARD

MS EN 10025-2:2011

**Hot rolled products of structural steels -
Part 2: Technical delivery conditions for non-
alloy structural steels
(Second revision)**

ICS: 77.140.10; 77.140.50; 77.140.45

Descriptors: hot rolled, structural steel, technical delivery condition, non-alloy

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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:

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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
Malaysian Industrial Development Authority
Malaysian Iron and Steel Industry Federation
Master Builders Association Malaysia
Ministry of International Trade and Industry
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The Institution of Engineers, Malaysia
Universiti Kebangsaan Malaysia
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Universiti Teknologi Malaysia

The Technical Committee on Steel for Structural Purposes which recommended the adoption of the EN Standard as Malaysian Standard consists of representatives from the following organisations:

Alpine Pipe Manufacturing Sdn Bhd
Anshin Steel Industries Sdn Bhd
Antara Steel Mills Sdn Bhd
Association of Consulting Engineers Malaysia
Construction Industry Development Board Malaysia
IKRAM QA Services Sdn Bhd
Jabatan Kerja Raya Malaysia
Malaysian Iron and Steel Industry Federation
Malaysian Structural Steel Association
Master Builders Association Malaysia
Megasteel Sdn Bhd
Perwaja Steel Sdn Bhd
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
The Institution of Engineers, Malaysia
Universiti Teknologi Malaysia
Universiti Teknologi MARA

MS EN 10025-2:2011

NATIONAL FOREWORD

The adoption of the EN Standard as a Malaysian Standard was recommended by the Technical Committee on Steel for Structural Purposes under the authority of the Industry Standards Committee on Metallic Materials and Semi-Finished Products.

This Malaysian Standard is the second revision of MS 1490, *Specification for hot rolled non-alloy structural steel sections and H-piles* and MS 1491, *Dimensions, mass and tolerances of hot rolled non-alloy structure steel sections and H-piles*.

This Malaysian Standard is identical with EN 10025-2:2004, *Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels*, published by the European Committee for Standardization (CEN). However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, "this European 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 EN Standards should be replaced by corresponding Malaysian Standards as follows:

<u>Referenced EN Standards</u>	<u>Corresponding Malaysian Standards</u>
EN 10002-1, <i>Metallic materials - Tensile testing - Part 1: Method of test at ambient temperature</i>	MS ISO 6892, <i>Metallic materials - Tensile testing at ambient temperature</i>
EN 10027-1, <i>Designation systems for steels - Part 1: Steel names, principal symbols</i>	MS ISO/TS 4949, <i>Steel names based on letter symbols</i>
EN 10052, <i>Vocabulary of heat treatment terms for ferrous products</i>	MS 205 3, <i>Ferrous products - Heat treatments - Vocabulary</i>
EN 10079, <i>Definitions of steel products</i>	MS ISO 6929, <i>Steel products - Definitions and classification</i>
EN ISO 14284, <i>Steel and iron - Sampling and preparation of samples for the determination of chemical composition</i>	MS 2332, <i>Steel and iron - Sampling and preparation of samples for the determination of chemical composition</i>
EN ISO 9001, <i>Quality management systems - Requirements</i>	MS ISO 9001, <i>Quality management systems - Requirements</i>

This Malaysian Standard cancels and replaces MS 1490:2001 and MS 1491:2001.

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

English version

Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels

Produits laminés à chaud en aciers de construction - Partie
2: Conditions techniques de livraison pour les aciers de
construction non alliés

Warmgewalzte Erzeugnisse aus Baustählen - Teil 2:
Technische Lieferbedingungen für unlegierte Baustähle

This European Standard was approved by CEN on 1 April 2004.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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Foreword

This document (EN 10025-2:2004) has been prepared by Technical Committee ECISS/TC 10 "Structural steels - Grades and qualities", the secretariat of which is held by NEN.

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 2005, and conflicting national standards shall be withdrawn at the latest by May 2005.

This document supersedes EN 10025:1990 + A1:1993, *Hot rolled products of non-alloy structural steels - Technical delivery conditions*.

The titles of the other Parts of this European Standard are:

Part 1: General technical delivery conditions;

Part 3: Technical delivery conditions for normalized/normalized rolled weldable fine grain structural steels;

Part 4: Technical delivery conditions for thermomechanical rolled weldable fine grain structural steels;

Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance;

Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of the EU Construction Products Directive (89/106/EEC). For relationship with the EU Construction Products Directive, see informative Annex ZA of EN 10025-1:2004.

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