



MALAYSIAN STANDARD

MS 863:2010
(CONFIRMED:2015)

**Non-alloy steel tubes suitable for welding and
threading - Technical delivery conditions
(Second revision)**

ICS: 23.040.10

Descriptors: non-alloy steel tubes, welding, threading, technical delivery, conditions

NOTE. This Malaysian Standard has been reviewed and confirmed as being current.

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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
Petroleum Nasional Berhad
Science and Technology Research Institute for Defence
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
Suruhanjaya Perkhidmatan Air Negara
Suruhanjaya Tenaga
The Institution of Engineers, Malaysia
Universiti Kebangsaan Malaysia
Universiti Malaya
Universiti Sains Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Metallic Pipes and Fittings which recommended the adoption of the EN Standard consists of representatives from the following organisations:

Amalgamated Industrial Steel Berhad
Association of Consulting Engineers Malaysia
Gas Malaysia Sdn Bhd
Jabatan Kerja Raya Malaysia
Malaysian Iron and Steel Industry Federation
Mega Steel Sdn Bhd
Ministry of Energy, Water and Communications Malaysia
SIRIM Berhad (Pusat Penyelidikan Bahan Termaju)
SIRIM Berhad (Secretariat)
Suruhanjaya Perkhidmatan Air Negara
Suruhanjaya Tenaga
Syarikat Bekalan Air Selangor Sdn Bhd
Tenaga Nasional Berhad (Generation Division)
Universiti Teknologi Malaysia

FOREWORD

The adoption of the EN Standard as a Malaysian Standard was recommended by the Technical Committee on Metallic Pipes and Fittings under the authority of the Industry Standards Committee on Mechanical Engineering.

This Malaysian Standard is the second revision of MS 863, *Plain end, screwed and socketed welded steel pipes (6 mm to 150 mm) - Specification*.

This Malaysian Standard is identical with EN 10255:2004, *Non-alloy steel tubes suitable for welding and threading - Technical delivery conditions*, 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;
- c) Annex ZA (informative) which is the relation with EU Directive has been removed; and
- d) reference to European Standards should be replaced by equivalent Malaysian Standards as follows:

Referenced European Standards

Corresponding Malaysian Standards

EN 10002-1, *Metallic materials: Tensile testing - Part 1: Method of test at ambient temperature*

MS ISO 6892, *Metallic material - Tensile testing at ambient temperature*

EN 10232, *Metallic materials - Tube (in full section) - Bend test*

MS ISO 7438, *Metallic materials - Bend test*

EN 10242, *Threaded pipe fittings in malleable cast iron*

MS 636, *Specification for malleable cast iron screwed pipe fittings for steam, air, water, gas and oil*

EN 10226-1, *Pipe threads where pressure-tight joints are made on the threads - Part 1: Taper external threads and parallel internal threads - Dimensions, tolerances and designation*

MS 1989: Part 1, *Pipe threads where pressure-tight joints are made on the threads - Part 1: Taper external threads and parallel internal threads - Dimensions, tolerances and designation*

EN 10226-2, *Pipe threads where pressure-tight joints are made on the threads - Part 2: Taper external threads and taper internal threads - Dimensions, tolerances and designation*

MS 1989: Part 2, *Pipe threads where pressure-tight joints are made on the threads - Part 2: Taper external threads and taper internal threads - Dimensions, tolerances and designation*

FOREWORD *(continued)*

EN ISO 2566-1, *Steel - Conversion of elongation values - Part 1: Carbon and low alloy steels*

MS ISO 2566-1, *Steel - Conversion of elongation values - Part 1: Carbon and low alloy steels*

- e) reference to European Standards in bibliography should be replaced by equivalent Malaysian Standards as follows:

Referenced European Standards

Corresponding Malaysian Standards

EN ISO 9001, *Quality management systems - Requirements*

MS ISO 9001, *Quality management systems - Requirements*

This Malaysian Standard cancels and replaces MS 863:2004.

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