



MALAYSIAN STANDARD

MS 144:2006

COLD REDUCED MILD STEEL WIRE FOR THE REINFORCEMENT OF CONCRETE – SPECIFICATION (THIRD REVISION)

ICS: 77.140.15

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Committee representation

The Iron and Steel Industry Standards Committee (ISC P) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Association of Marine Industries of Malaysia
Department of Standards Malaysia
Federation of Malaysian Manufacturers
IKRAM QA Services Sdn Bhd
Institute Materials Malaysia
Jabatan Kerja Raya Malaysia
Malaysian Automotive Association
Malaysian Industrial Development Authority
Malaysian Iron and Steel Industry Federation
Master Builders Association Malaysia
Ministry of International Trade and Industry
Pertubuhan Akitek Malaysia
SIRIM Berhad (Foundry Center)
SIRIM QAS International Sdn Bhd
Universiti Malaya
Universiti Sains Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Steel Bars, Wire Rods and Wire Products which developed this Malaysian Standard consists of representatives from the following organisations:

Amsteel Mills Sdn Bhd
Association of Consulting Engineers Malaysia
Construction Industry Development Board Malaysia
IKRAM QA Services Sdn Bhd
Jabatan Kerja Raya Malaysia
Malayawata Steel Bhd
Malaysian Iron and Steel Industry Federation
Master Builders Association Malaysia
Perwaja Steel Sdn Bhd
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
Southern PC Steel Sdn Bhd
Southern Steel Mesh Sdn Bhd
The Institution of Engineers, Malaysia
Universiti Malaya
Universiti Teknologi MARA

Co-opted member:

Asia Wire Steel Mesh Manufacturers Sdn Bhd

MS 144:2006

FOREWORD

This Malaysian Standard was developed by the Technical Committee on Steel Bars, Wire Rods and Wire Products, under the authority of the Iron and Steel Industry Standards Committee.

This Malaysian Standard is the third revision of MS 144:2001, *Specification for cold reduced mild steel wire for the reinforcement of concrete*.

Major modifications in this revision are as follows:

- a) the inclusion of the definition on cast analysis in 3.3;
- b) the inclusion of the definition on characteristic strength in 3.4;
- c) the definition on yield stress has been rephrased in 3.10;
- d) the nitrogen content in Clause 7 has been changed to 0.012 %;
- e) the title of Clause 13 has been replaced with "Routine inspection and testing";
- f) in Table 3, the minimum tensile strength for Grade 500 steel has been changed to 525 N/mm²;
- g) the number of years for the record keeping has been changed from "five years" to "ten years"; and
- h) Annex B has been revised.

This Malaysian Standard cancels and replaces MS 144:2001 (Second revision).

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