



MALAYSIAN STANDARD

MS 145:2006

WELDED STEEL FABRIC 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

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 145:2001, *Specification for welded steel fabric 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 exclusion of fatigue strength test;
- c) the inclusion of twin wires in 3.15, A2.1, A2.2 and A2.3;
- d) the phrase "The cross-sectional dimension shall comply to the requirement of 10.3 of MS 144" has been replaced by "The tolerance on the cross-sectional dimension shall be $\pm 3\%$ ";
- e) in Table 3, the elongation for Grade 500 steel has been changed to 10 %;
- f) bending test is reclassified as rebend test in 13.1, 14, A1.1, A2.2 and A3.2; and
- g) the inclusion of weld test in Table A1.

This Malaysian Standard cancels and replaces MS 145:2001 (Second revision).

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