



MALAYSIAN STANDARD

MS 145:2014

Steel fabric for the reinforcement of concrete - Specification (Fourth revision)

ICS: 77.140.15

Descriptors: steel fabric, reinforcement of concrete, requirement, dimension, quality, testing

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Committee representation

The Industry Standards Committee on Metallic Materials and Semi-finished Products (ISC P) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia
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
Malaysia Steel Association
Malaysian Automotive Component Parts Manufacturers
Malaysian Iron and Steel Industry Federation
Master Builders Association Malaysia
Ministry of International Trade and Industry
Pertubuhan Akitek Malaysia
SIRIM Berhad (National Centre for Machinery and Tooling Technology)
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
The Institution of Engineers, Malaysia
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:

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
Master Builders Association Malaysia
Ministry of International Trade and Industry
MMC Gamuda KVMRT (PDP) Sdn Bhd
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
The Institution of Engineers, Malaysia
Universiti Malaya
Universiti Teknologi MARA

Co-opted members:

Amsteel Mills Sdn Bhd
Ann Joo Steel Bhd
Asia Wire Steel Mesh Manufacturers Sdn Bhd
CH Reinforcing Steel (M) Sdn Bhd
Perwaja Steel Sdn Bhd
Southern PC Steel Sdn Bhd
Southern Steel Berhad
Southern Steel Mesh 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 Industry Standards Committee on Metallic Materials and Semi-finished Products.

Major modifications in this revision are as follows:

- a) the title of this standard has been amended from “Welded steel fabric for the reinforcement of concrete - Specification” to “Steel fabric for the reinforcement of concrete - Specification”;
- b) all steel fabric conforming to this standard is to be made using ribbed bar in accordance with MS 146:2013 or made from wire in accordance to MS 144:2013 for wrapping fabrics D49 and D98; and
- c) to replace the fabric reference in MS 145:2006 with the following in Table A.1:

Fabric reference in MS 145:2006	New fabric reference in this standard
Square mesh	
A13	A664
A12	A565
A11	A475
A10	A393
A9	A318
A8	A252
A7	A193
A6	A142
A5	A98
A4	A63
Rectangular mesh	
Structural mesh	
B13	B1328
B12	B1131
B11	B950
B10	B785
B9	B636
B8	B503
B7	B385
B6	B283
B5	B196
Long mesh	
C13	C1328
C12	C1131
C11	C950
C10	C785
C9	C636
C8	C503
C7	C385
C6	C283
C5	C196

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Foreword (continued)

Fabric reference in MS 145:2006	New fabric reference in this standard
Small square mesh	Wrapping mesh
D13	D1328
D12	D1131
D11	D950
D10	D785
D9	D636
D8	D503
D7	D385
D6	D283
D5	D196
D4	D126

This standard has been developed so that it can be used in conjunction with MS EN 10080:2013. Definitions, symbols, steelmaking and manufacturing processes, routine inspection and testing, test methods, identification of the manufacturer and technical class and verification of mechanical properties in the case of dispute are all taken from MS EN 10080:2013.

This Malaysian Standard cancels and replaces MS 145:2006, *Welded steel fabric for the reinforcement of concrete - Specification (Third revision)*.

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