



MALAYSIAN STANDARD

MS 1164:2015

**Road vehicles - Replacement brake lining
assemblies and drum brake linings for
power-driven vehicles and their trailers
(Second revision)**

ICS: 43.040.40

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Committee representation

The Industry Standards Committee on Road Vehicles (ISC L) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Automobile Association of Malaysia
Department of Environment
Department of Standards Malaysia
Jabatan Pengangkutan Jalan Malaysia
Malaysia Automotive Institute
Malaysian Automotive Association
Malaysian Automotive Components Parts Manufacturers Association
Malaysian Institute of Road Safety Research
Ministry of Domestic Trade, Co-operatives and Consumerism
Ministry of International Trade and Industry
Motorcycle and Scooter Assemblers and Distributor Association of Malaysia
Polis Diraja Malaysia
PUSPAKOM Sdn Bhd
Road Safety Department Malaysia
SIRIM Berhad (Secretariat)
Universiti Putra Malaysia
Universiti Teknologi Malaysia

Co-opted members:

Motosikal dan Enjin Nasional Sdn Bhd
PERODUA Manufacturing Sdn Bhd
Perusahaan Otomobil Nasional Sdn Bhd

The Technical Committee on Braking, Suspension Systems and Wheel Assembly which developed this Malaysian Standard consists of representatives from the following organisations:

Jabatan Pengangkutan Jalan Malaysia
Malaysian Automotive Association
Malaysian Institute of Road Safety Research
Mintye Industries Bhd
PERODUA Manufacturing Sdn Bhd
Perusahaan Otomobil Nasional Sdn Bhd
Polis Diraja Malaysia
PUSPAKOM Sdn Bhd
Sapura Industrial Berhad
SIRIM Berhad (Advanced Materials Research Centre)
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
Universiti Teknikal Malaysia Melaka
Universiti Teknologi Malaysia

Co-opted members:

Motorcycle and Scooter Assemblers and Distributor Association of Malaysia
Universiti Teknologi MARA

Foreword

This Malaysian Standard was developed by the Technical Committee on Braking, Suspension Systems and Wheel Assembly under the authority of the Industry Standards Committee on Road Vehicles.

This Malaysian Standard is technically equivalent to UN Regulation No. 90, *Uniform provisions concerning the approval of replacement brake lining assemblies, drum brake linings and discs and drums for power-driven vehicles and their trailers*.

The deviation from UN Regulation No. 90 is that brake disc and brake drum have been omitted.

Major modifications in this revision are as follows:

- a) the title has been changed to “Road vehicles - Replacement brake lining assemblies and drum brake linings for power-driven vehicles and their trailers”;
- b) requirements for brake lining assemblies for O₁ and O₂ have been added;
- c) replacement brake lining assemblies and replacement drum brake linings O₃ and O₄ have been added;
- d) requirements for brake lining assemblies for L category have been added; and
- e) the title for Annex G has been changed to “Special additional procedure for conformity of production to determine friction behaviour by machine testing”; and
- f) an example of content for test report has been incorporated as Annex H.

This Malaysian Standard cancels and replaces MS 1164:2005, *Road vehicles - Replacement brake lining assemblies and drum brake linings for power-driven vehicles - Specification* (First revision).

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