



MALAYSIAN STANDARD

**MS ISO 9177-3:2003
(CONFIRMED:2012)**

Mechanical pencils - Part 3: black leads - bending strengths of HB leads (ISO 9177-3:1994, IDT)

ICS: 97.180

Descriptors: drawing equipment, pencils, propelling pencils, leads (pencils), specifications, mechanical strength, tests, bend tests, determination, flexural strength

NOTE. This MS has been reviewed by the responsible committee and confirmed that its contents are current

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Committee representation

The Consumer Products, Personal Safety and Services Industry Standards Committee (ISC C) under whose supervision this Malaysian Standard was developed, comprises representatives from the following organisations:

Department of Chemistry, Malaysia
Department of Occupational Safety and Health
Department of Standards Malaysia
Federation of Malaysian Consumers Associations
Federation of Malaysian Manufacturers
Institut Kualiti Malaysia
Malaysian Institute of Management
Malaysian Trade Union Congress
Ministry of Domestic Trade and Consumer Affairs
Ministry of Finance
Ministry of International Trade and Industry
Ministry of Health
Ministry of Human Resource
National Institute of Occupational Safety and Health
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The Technical Committee on Child Safety which developed this Malaysian Standard consists of representatives from the following organisations:

A.W. Faber Castell (M) Sdn Bhd
Department of Chemistry, Malaysia
Federation of Malaysian Consumers Association
Mattel (M) Sdn Bhd
Ministry of Domestic Trade (Enforcement Division)
Ministry of Trade and Consumer Affairs
Minsitry of Education
SIRIM Berhad (Secretariat)
Staedtler (M) Berhad
Universiti Kebangsaan Malaysia
Universiti Malaya
Universiti Sains Malaysia
Universiti Teknologi MARA

NATIONAL FOREWORD

This Malaysian Standard was developed by the Technical Committee on Child Safety under the authority of the Consumer Products, Personal Safety and Services Industry Standards Committee.

This Malaysian Standard is identical with ISO 9177-3:1994, Mechanical pencils – Part 3: Black leads – Bending strengths of HB leads, published by the International Organization for Standardization (ISO), which has the same title. The text of the International Standard is recommended for publication as a Malaysian Standard without deviation. However, for the purpose of this Malaysian Standard, the following apply:

- a) in the source text, "this International Standard" should read "this Malaysian Standard"; and
- b) the comma which is used as a decimal sign (if any), to read as a full point.

References to International Standards should be replaced by equivalent Malaysian Standards as follows:

Referenced International Standards

Corresponding Malaysian Standards

ISO 9177-2:1989, Mechanical pencils – Part 2: Black leads - Classification and dimensions

MS ISO 9177-2:1989, Mechanical pencils – Part 2: Black leads - Classification and dimensions

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

NOTE. IDT on the front cover indicates an identical standard, i.e. a standard where the technical content, structure, wording and presentation of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and it may contain the minimal editorial changes specified in clause 4.2 of the ISO/IEC Guide 21.