



MALAYSIAN STANDARD

**MS ISO 6182-9:2009
(CONFIRMED:2015)**

Fire protection - Automatic sprinkler system - Part 9: Requirements and test methods for water mist nozzles (ISO 6182-9:2005, IDT)

ISO 6182-9:2005 is endorsed as Malaysian Standard with the reference number MS ISO 6182-9:2009.

ICS: 13.220.20

Descriptors: fire protection, automatic sprinkler system, requirements, test methods, water mist nozzles

NOTE. This Malaysian Standard has been reviewed and confirmed as being current.

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The Industry Standards Committee on Fire Safety and Prevention (ISC M) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia
Construction Industry Development Board
Department of Chemistry, Malaysia
Department of Standards Malaysia
Forest Research Institute Malaysia
Jabatan Bomba dan Penyelamat Malaysia
Jabatan Kerja Raya Malaysia
Malaysian Association of Standards Users
Malaysian Fire Protection Association
Master Builders Association Malaysia
Ministry of International Trade and Industry
Persatuan Insuran Am Malaysia
Pertubuhan Akitek Malaysia
Real Estate Housing Developers' Association Malaysia
SIRIM Berhad (Secretariat)
Tenaga Nasional Berhad
The Institution of Engineers, Malaysia
The Institution of Fire Engineers (UK) Malaysia Branch
Universiti Kebangsaan Malaysia
Universiti Putra Malaysia

The Technical Committee on Wet Fire Protection which recommended the adoption of the ISO Standard consists of representatives from the following organisations:

Association of Consulting Engineers Malaysia
Jabatan Bomba dan Penyelamat Malaysia
Jabatan Kerja Raya Malaysia
Kolling Engineering Sdn Bhd
Malaysian Fire Protection Association
Pertubuhan Akitek Malaysia
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
Steel Recon Industry Sdn Bhd
Tenaga Nasional Berhad
The Institution of Engineers, Malaysia
The Institution of Fire Engineers (UK) Malaysia Branch
Universiti Putra Malaysia

NATIONAL FOREWORD

The adoption of the ISO Standard as a Malaysian Standard was recommended by the Technical Committee on Wet Fire Protection under the authority of the Industry Standards Committee on Fire Safety and Prevention.

This Malaysian Standard is identical with ISO 6182-9:2005, *Fire protection - Automatic sprinkler system - Part 9: Requirements and test methods for water mist nozzles*, published by the International Organization for Standardization (ISO). However, for the purpose of this Malaysian Standard, the following apply:

- a) in the source text, “this International Standard” should read “this Malaysian Standard”;
- b) the comma which is used as a decimal sign (if any), to read as a point; and
- c) reference to International Standards should be replaced by equivalent Malaysian Standards as follows:

<u>Referenced International Standards</u>	<u>Corresponding Malaysian Standards</u>
ISO 37, <i>Rubber, vulcanized or thermoplastic - Determination of tensile stress-strain properties</i>	MS ISO 37, <i>Rubber, vulcanized or thermoplastic - Determination of tensile stress-strain properties</i>
ISO 188, <i>Rubber, vulcanized or thermoplastic - Accelerated aging and heat resistance tests</i>	MS ISO 188, <i>Rubber, vulcanized or thermoplastic - Accelerated aging and heat resistance tests</i>

MS ISO 6182 consists of the following parts, under the general title *Fire protection - Automatic sprinkler systems*:

Part 1: Requirements and test methods for sprinklers

Part 2: Requirements and test methods for wet alarm valves, retard chambers and water motor alarms

Part 3: Requirements and test methods for dry pipe valves

Part 4: Requirements and test methods for quick-opening devices

Part 5: Requirements and test methods for deluge valves

Part 6: Requirements and test methods for check valves

Part 7: Requirements and test methods for early suppression fast response (ESFR) sprinklers

Part 8: Requirements and test methods for pre-action dry alarm valves

Part 9: Requirements and test methods for water mist nozzles

NATIONAL FOREWORD *(continued)*

Part 10: Requirements and test methods for domestic sprinklers

Part 11: Requirements and test methods for pipe hangers

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 (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21-1.

**Fire protection — Automatic sprinkler
system —**

**Part 9:
Requirements and test methods for water
mist nozzles**

*Protection contre l'incendie — Systèmes d'extinction automatiques du
type sprinkler —*

Partie 9: Prescriptions et méthodes d'essai des ajutages (brouillard)



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 6182-9 was prepared by Technical Committee ISO/TC 21, *Equipment for fire protection and fire fighting*, Subcommittee SC 5, *Fixed firefighting systems using water*.

ISO 6182 consists of the following parts, under the general title *Fire protection — Automatic sprinkler systems*:

- *Part 1: Requirements and test methods for sprinklers*
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- *Part 8: Requirements and test methods for pre-action dry alarm valves*
- *Part 9: Requirements and test methods for water mist nozzles*
- *Part 10: Requirements and test methods for domestic sprinklers*
- *Part 11: Requirements and test methods for pipe hangers*
- *Part 12: Requirements and test methods for grooved end pipe couplings*
- *Part 13: Requirements and test methods for extended coverage sprinklers*