INTERNATIONAL STANDARD

ISO 6182-11

Second edition
2019-05

Fire protection — Automatic sprinkler systems —

Part 11: Requirements and test methods for pipe hangers

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

Partie 11: Exigences et méthodes d'essai relatives aux dispositifs de fixation des conduites

iTeh Standards
(https://standards.iteh.ai)
Document Preview

ISO 6182-11:2019
https://standards.iteh.ai/catalog/standards/iso/6bea7a57-a99b-46d8-938c-d11832eaa208/iso-6182-11-2019

Reference number
ISO 6182-11:2019(E)

© ISO 2019

iTeh Standards
(https://standards.iteh.ai)
Document Preview

ISO 6182-11:2019
https://standards.iteh.ai/catalog/standards/iso/6bea7a57-a99b-46d8-938c-d11832eaa208/iso-6182-11-2019

COPYRIGHT PROTECTED DOCUMENT

© ISO 2019

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword ... **iv**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Product consistency ... **4**

5 Materials and rod sizes ... **4**
5.1 Materials ... 4
5.2 Rod sizes ... 4
5.3 Ceiling flanges ... 5

6 Material thickness ... **5**
6.1 Uncoated material thickness ... 5
6.2 Coated material thickness ... 5

7 Performance requirements ... **6**
7.1 General ... 6
7.2 Elongation and pull requirements ... 6
7.3 Concrete inserts ... 7
7.4 Vibration requirements ... 7

8 Test methods ... **7**
8.1 Metallic coating thickness test (see 6.2) ... 7
8.1.1 General ... 7
8.1.2 Gravimetric determination of the mass per area ... 7
8.1.3 Measurement of coating thickness by X-ray spectrometry ... 7
8.1.4 Magnetic determination of coating thickness ... 7
8.1.5 Other methods ... 7
8.2 Tests for rods and pipe attachments (see 7.2) ... 7
8.3 Tests for building attachment components (support fixings) (see 7.3) ... 8
8.4 Vibration tests (see 7.4) ... 9

9 Marking ... **9**
9.1 Hangers ... 9
9.2 Factory marking ... 9

Annex A (normative) **Tolerances** ... **13**

Bibliography ... **14**

iTeh Standards
(https://standards.iteh.ai)
Document Preview
https://standards.iteh.ai/catalog/standards/sist/6bca7a57-a99b-46d8-938c-d11832caa208/iso-6182-11-2019

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

iTeh Standards
(https://standards.iteh.ai)
Document Preview

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

This second edition cancels and replaces the first edition (ISO 6182-11:2003), which has been technically revised.

ISO 6182-11:2019
https://standards.iteh.ai/catalog/standards/iso/6bea7a57-a99b-46d8-938c-d11832eaa208/iso-6182-11-2019

The main changes compared to the previous edition are as follows:

— The seismic requirements and testing have been removed from this document and will be addressed in a separate standard.

A list of all the parts in the ISO 6182 series, can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

 © ISO 2019 – All rights reserved