This is a preview of "ISO 16228:2017". Click here to purchase the full version from the ANSI store.

First edition
2017-11

Fasteners — Types of inspection documents

Fixations — Types de documents de contrôle

Reference number
ISO 16228:2017(E)

© ISO 2017

This is a preview of "ISO 16228:2017". Click here to purchase the full version from the ANSI store.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2017, Published in Switzerland

All rights reserved. Unless otherwise specified, 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
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

© ISO 2017 – All rights reserved

This is a preview of "ISO 16228:2017". Click here to purchase the full version from the ANSI store.

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **2**

4 Inspection ... **2**
4.1 Types of inspection documents for material ... 2
4.2 Types of inspection for fasteners ... 3
4.2.1 Non-specific inspection for fasteners ... 3
4.2.2 Specific inspection for fasteners ... 3
4.3 Types of inspection documents for fasteners ... 3
4.3.1 General ... 3
4.3.2 Fastener declaration of compliance F2.1 ... 3
4.3.3 Fastener test report F2.2 ... 4
4.3.4 Fastener test report F3.1 ... 4
4.3.5 Fastener test report F3.2 ... 4

5 Requirements for fastener inspection documents ... **4**
5.1 General ... 4
5.2 Maintenance of data for inspection documents ... 5
5.3 Traceability ... 5
5.4 Inspection document sources ... 5
5.5 Subcontracted tests and/or inspection ... 6
5.6 Sampling ... 6
5.7 Reporting of test/inspection results ... 6
5.8 Minimum results to be included for each type of fasteners ... 7
5.9 Validation of the inspection document ... 9

6 Required content for each type of fastener inspection document ... **9**
6.1 General ... 9
6.2 Content of the fastener declaration of compliance F2.1 ... 10
6.3 Content of the fastener test report F2.2 ... 10
6.4 Content of the fastener test report F3.1 ... 11
6.5 Content of the fastener test report F3.2 ... 12

7 Amendment to inspection documents ... **13**

8 Transmission of inspection documents ... **13**

Annex A (informative) **Examples of inspection documents** ... **14**

Annex B (informative) **Code numbers applicable to fasteners** ... **18**

Bibliography ... **26**

© ISO 2017 – All rights reserved

This is a preview of "ISO 16228:2017". Click here to purchase the full version from the ANSI store.

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 on 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 the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 2, *Fasteners*, Subcommittee SC 7, *Reference standards*.

 © ISO 2017 – All rights reserved

This is a preview of "ISO 16228:2017". Click here to purchase the full version from the ANSI store.

Introduction

This document specifies the fastener inspection documents which can be supplied when requested at the time of the order.

Before publication of this document, inspection documents according to ISO 10474 or EN 10204 were also applied for fasteners. This document was developed specifically for fasteners, as a preferred alternative to ISO 10474 or EN 10204.

Data in inspection documents may be collected from in-process control during the manufacture of the fasteners and/or from final control on the finished fasteners based on sampling. In-process control during manufacture within a certified quality assurance system operated by the manufacturer gives the most reliable information about conformance of the fasteners (for more information regarding acceptance inspection or quality assurance for fasteners, see ISO 3269 or ISO 16426).

Inspection documents for fasteners may include material, mechanical, physical, dimensional, functional and finish-coating properties, as agreed at the time of the order.

© ISO 2017 – All rights reserved