

This is a preview of "ISO 4759-3:2016". [Click here to purchase the full version from the ANSI store.](#)

Fourth edition
2016-06-01

Tolerances for fasteners —

Part 3:

Washers for bolts, screws and nuts — Product grades A, C and F

Tolérances pour fixations —

Partie 3: Rondelles pour vis et écrous — Grades A, C et F



Reference number
ISO 4759-3:2016(E)

© ISO 2016



COPYRIGHT PROTECTED DOCUMENT

© ISO 2016, 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

This is a preview of "ISO 4759-3:2016". [Click here to purchase the full version from the ANSI store.](#)

Contents

| | Page |
|---|-----------|
| Foreword | iv |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Symbols | 1 |
| 4 Tolerances | 2 |
| Annex A (informative) Tolerances | 8 |
| Bibliography | 11 |

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 meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 2, *Fasteners*.

This fourth edition cancels and replaces the third edition (ISO 4759-3:2000), which has been technically revised.

In comparison to ISO 4759-3:2000, the following changes have been made.

- a) the scope has been amended;
- b) the normative references have been updated;
- c) a new [Clause 3](#) "Symbols and abbreviated terms" has been added;
- d) new product grade F has been included (F for Fine tolerances);
- e) tolerances for chamfers have been included;
- f) in [Table A.1](#) tolerances for standard tolerance grades IT11 and IT14 have been included and IT16 has been deleted;
- g) in [Tables A.2](#) and [A.3](#) limit deviations for tolerance classes h13 and H12 respectively have been included;
- h) the bibliography has been updated;
- i) this part of ISO 4759 has been editorially revised.

ISO 4759 consists of the following parts, under the general title *Tolerances for fasteners*:

- *Part 1: Bolts, screws, studs and nuts — Product grades A, B and C*
- *Part 3: Washers for bolts, screws and nuts — Product grades A, C and F*