

Hexagon bolts with flange with metric fine pitch thread — Small series

The European Standard EN 14219:2003 has the status of a
British Standard

ICS 21.060.10

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National foreword

This British Standard was published by BSI. It is the UK implementation of EN 14219:2003, incorporating corrigendum February 2007.

The UK participation in its preparation was entrusted to Technical Committee FME/9, Bolts, nuts and accessories.

A list of organizations represented on FME/9 can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

WARNING

The United Kingdom, as a member of CEN, is obliged to publish EN 14219:2003 as a British Standard. However, attention is drawn to the fact that during the development of the European Standard the United Kingdom consistently voted against its approval as a European Standard.

The UK believes that the corresponding International Standard, ISO 15072:1999, should have been implemented, without modification, as a European Standard. As far as the UK is concerned, it is dangerous and unacceptable to have a European Standard that differs from the corresponding International Standard by the across flats dimension for one size of fastener, all other requirements being identical between the two standards concerned.

As part of BSI's duty of care, we draw the attention of users of this standard to our concerns that M12 bolts conforming to EN 14219 differ from similar fasteners conforming to ISO 15072 in the across flats dimension only. This is 16 mm in EN 14219 and 15 mm in ISO 15072. BSI will assume no liability whatsoever for the failure on the part of any user of this standard not to consider this aspect.

Precautions are urged to ensure that commingling of those M12 bolts which conform to EN 14219 and those M12 bolts which conform to ISO 15072 is avoided.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 29 August 2003

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Amendments issued since publication

Amd. No.	Date	Comments
17056 Corrigendum No. 1	30 April 2007	Clause 3: Figure 2 replaced

English version

Hexagon bolts with flange with metric fine pitch thread — Small series (ISO 15072:1999, modified)

Vis à tête hexagonale à embase cylindro-tronçonnée à pas fin — Série étroite (ISO 15072:1999, modifiée)

Sechskantschrauben mit Flansch mit Feingewinde — Leichte Reihe (ISO 15072:1999, modifiziert)

This European Standard was approved by CEN on 14 February 2003.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

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Foreword

This document (EN 14219:2003) has been prepared by Technical Committee CEN/TC 185 "Threaded and non-threaded mechanical fasteners and accessories", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2003, and conflicting national standards shall be withdrawn at the latest by October 2003.

Annex A is normative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 15072:1999 was approved by CEN as a European Standard with agreed common modifications as given below.

Bolts in accordance with this European Standard correspond to those specified in the International Standard ISO 15072:1999 with the exception that the width across flats for M12 is 16 mm (instead of 15 mm) and that the property class 9.8 was deleted. Moreover, the option for surface coatings according to ISO 10683 was added.

1 Scope

This European Standard specifies the characteristics of hexagon bolts with flange with metric fine pitch thread, small series, with product grade A, with nominal thread diameters from 8 mm up to and including 16 mm and property classes 8.8, 10.9, 12.9 and A2-70.

If, in special cases, specifications other than those listed in this European Standard are required, they shall be selected from existing European and International Standards, for example ISO 724, ISO 888, EN ISO 898-1, ISO 965-2, EN ISO 3506-1.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 20225, *Fasteners — Bolts, screws, studs and nuts — Symbols and designations of dimensions (ISO 225:1983).*

EN 26157-3, *Fasteners — Surface discontinuities — Part 3: Bolts, screws and studs for special requirements (ISO 6157-3:1988).*

EN ISO 898-1, *Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs (ISO 898-1:1999).*

EN ISO 3269, *Fasteners — Acceptance inspection (ISO 3269:2000).*

EN ISO 3506-1, *Mechanical properties of corrosion-resistant stainless-steel fasteners — Part 1: Bolts, screws and studs (ISO 3506-1:1997).*

EN ISO 4042, *Fasteners — Electroplated coatings (ISO 4042:1999).*

EN ISO 4753, *Fasteners — Ends of parts with external ISO metric screw thread (ISO 4753:1999).*

EN ISO 4759-1, *Tolerances for fasteners — Part 1: Bolts, screws, studs and nuts — Product grades A, B and C (ISO 4759-1:2000).*

EN ISO 10683, *Fasteners — Non-electrolytically applied zinc flake coatings (ISO 10683:2000).*

ISO 724, *ISO general purpose metric screw threads — Basic dimensions.*

ISO 965-2, *ISO general purpose metric screw threads — Tolerances — Part 2: Limits of sizes for general purpose external and internal screw threads — Medium quality.*

ISO 8992, *Fasteners — General requirements for bolts, screws, studs and nuts.*