

---

**Vijaki z valjasto glavo z notranjim šesterkotnikom in z metriskim drobnim navojem (ISO 12474:2010)**

Hexagon socket head cap screws with metric fine pitch thread (ISO 12474:2010)

Zylinderschrauben mit Innensechskant mit Metrischem Feingewinde (ISO 12474:2010)

Vis à tête cylindrique à six pans creux à pas fin (ISO 12474:2010)

**STANDARD PREVIEW**  
**(standards.iteh.ai)**

**Ta slovenski standard je istoveten z: EN ISO 12474:2010**

SIST EN ISO 12474:2012  
<https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012>

---

**ICS:**

21.040.10	Metriski navoji	Metric screw threads
21.060.10	Sorniki, vijaki, stebelni vijaki	Bolts, screws, studs

**SIST EN ISO 12474:2012****en,fr**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 12474:2012](#)

<https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012>

EUROPEAN STANDARD

EN ISO 12474

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2010

ICS 21.060.10

English Version

## Hexagon socket head cap screws with metric fine pitch thread (ISO 12474:2010)

Vis à tête cylindrique à six pans creux à pas fin (ISO  
12474:2010)

Zylinderschrauben mit Innensechskant mit Metrischem  
Feingewinde (ISO 12474:2010)

This European Standard was approved by CEN on 30 September 2010.

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 CEN 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 CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

[SIST EN ISO 12474:2012](https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012)

<https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012>



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

**Contents**

Page

Foreword.....3

**iTeh STANDARD PREVIEW  
(standards.iteh.ai)**

[SIST EN ISO 12474:2012](https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012)

<https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012>

## Foreword

The text of ISO 12474:2010 has been prepared by Technical Committee ISO/TC 2 “Fasteners” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 12474:2010 by Technical Committee CEN/TC 185 “Fasteners” 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 April 2011, and conflicting national standards shall be withdrawn at the latest by April 2011.

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

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

## iTeh STANDARD PREVIEW Endorsement notice (standards.iteh.ai)

The text of ISO 12474:2010 has been approved by CEN as a EN ISO 12474:2010 without any modification.

[SIST EN ISO 12474:2012  
https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012](https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012)

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 12474:2012](#)

<https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012>

INTERNATIONAL  
STANDARD

ISO  
12474

First edition  
2010-10-01

---

---

**Hexagon socket head cap screws with  
metric fine pitch thread**

*Vis à tête cylindrique à six pans creux à pas fin*

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 12474:2012](https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012)

<https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012>



Reference number  
ISO 12474:2010(E)

© ISO 2010

## ISO 12474:2010(E)

**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 12474:2012](https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012)

<https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012>

**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2010

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland



**Contents**

Page

<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Dimensions</b> .....	<b>2</b>
<b>4 Requirements and reference International Standards</b> .....	<b>6</b>
<b>5 Designation</b> .....	<b>6</b>
<b>6 Other specifications</b> .....	<b>6</b>
<b>Annex A (informative) Masses</b> .....	<b>7</b>
<b>Bibliography</b> .....	<b>8</b>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 12474:2012](https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012)

<https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012>

## ISO 12474:2010(E)

## 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 12474 was prepared by Technical Committee ISO/TC 2, *Fasteners*, Subcommittee SC 10, *Product standards for fasteners*.

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 12474:2012](https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012)

<https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012>

## Introduction

This International Standard is based on ISO 21269, which has been withdrawn. The range of approval has been brought into line with the scope of ISO 898-1. ISO 21269 specified also fine pitch thread screws of  $d \geq M42 \times 3$ . Certain dimensions of  $d \geq M42 \times 3$  were considered as screws with reduced loadability. Therefore, the dimensions  $d \geq M42 \times 3$  have been omitted from this International Standard because the smallest cross-sectional area for some sizes is not located in the thread, but in the shear area between the head and the shank.

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 12474:2012](https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012)

<https://standards.iteh.ai/catalog/standards/sist/b9ecbd7b-6571-4531-808e-dbb2442683b0/sist-en-iso-12474-2012>