



SLOVENSKI STANDARD

SIST EN ISO 4018:2022

01-september-2022

Nadomešča:

SIST EN ISO 4018:2011

Vezni elementi - Vijaki s šeststrobo glavom z navojem do glave - Razred izdelave C (ISO 4018:2022)

Fasteners - Hexagon head screws - Product grade C (ISO 4018:2022)

Mechanische Verbindungselemente - Sechskantschrauben mit Gewinde bis Kopf - Produktklasse C (ISO 4018:2022)

Fixations - Vis à tête hexagonale entièrement filetées - Grade C (ISO 4018:2022)

<https://standards.iteh.ai/catalog/standards/sist/224f2b19-fdb4-480a-97a9-9ce023eed6e6/sist-en-iso-4018-2022>

Ta slovenski standard je istoveten z: EN ISO 4018:2022

ICS:

21.060.10 Sorniki, vijaki, stebelni vijaki Bolts, screws, studs

SIST EN ISO 4018:2022

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 4018

July 2022

ICS 21.060.10

Supersedes EN ISO 4018:2011

English Version

Fasteners - Hexagon head screws - Product grade C (ISO
4018:2022)

Fixations - Vis à tête hexagonale entièrement filetées -
Grade C (ISO 4018:2022)

Mechanische Verbindungselemente -
Sechskantschrauben mit Gewinde bis Kopf -
Produktklasse C (ISO 4018:2022)

This European Standard was approved by CEN on 25 September 2021.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents

Page

European foreword.....	3
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European foreword

This document (EN ISO 4018:2022) has been prepared by Technical Committee ISO/TC 2 "Fasteners" in collaboration with Technical Committee CEN/TC 185 "Fasteners" the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by January 2023, and conflicting national standards shall be withdrawn at the latest by January 2023.

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

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Endorsement notice

The text of ISO 4018:2022 has been approved by CEN as EN ISO 4018:2022 without any modification.

INTERNATIONAL STANDARD

**ISO
4018**

Fifth edition
2022-06

Fasteners — Hexagon head screws — Product grade C

Fixations — Vis à tête hexagonale entièrement filetées — Grade C

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Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Dimensions	2
5 Requirements and reference International Standards	6
6 Marking and labelling	6
6.1 Marking on product.....	6
6.2 Labelling on package.....	6
7 Designation	7
Bibliography	8

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SIST EN ISO 4018:2022

<https://standards.iteh.ai/catalog/standards/sist/224f2b19-fdb4-480a-97a9-9ce023eed6e6/sist-en-iso-4018-2022>

ISO 4018:2022(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.

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).

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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.

This document was prepared by Technical Committee ISO/TC 2, *Fasteners*, Subcommittee SC 11, *Fasteners with metric external thread*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 185, *Fasteners*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fifth edition cancels and replaces the fourth edition (ISO 4018:2011), which has been technically revised.

The main changes are as follows:

- the permissible shapes for free formed head and indentation on the head have been added;
- tables for dimensions have been restructured;
- M7 has been added;
- $d_{w,min}$ has been changed for M5 from $s_{min} - IT16$ to $s_{min} - IT15$ (as for hexagon head screws of product grades A and B) in order to have a larger bearing surface area and thus less contact pressure;
- the rules for the shortest and greatest standard lengths have been added, and they have been amended accordingly; standard greatest lengths have been limited to 200 mm (longer lengths are to be agreed between the purchaser and the manufacturer);
- specifications for marking and labelling have been added as [Clause 6](#).

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.