



# SLOVENSKI STANDARD SIST EN ISO 4762:2001

01-julij-2001

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## Vijaki z valjasto glavo in notranjim šestkotnikom (ISO 4762:1997)

Hexagon socket head cap screws (ISO 4762:1997)

Zylinderschrauben mit Innensechskant (ISO 4762:1997)

Vis a tete cylindrique a six pans creux (ISO 4762:1997)

Ta slovenski standard je istoveten z: EN ISO 4762:1997

[SIST EN ISO 4762:2001](https://standards.iteh.ai/catalog/standards/sist/2ba97b5b-e5e6-4569-876c-5f7e41458c43/sist-en-iso-4762-2001)

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### **ICS:**

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

**SIST EN ISO 4762:2001**

**en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO 4762

November 1997

ICS 21.060.10

Descriptors: see ISO document

English version

## Hexagon socket head cap screws (ISO 4762:1997)

Vis à tête cylindrique à six pans creux (ISO 4762:1997)

This European Standard was approved by CEN on 23 October 1997.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Corrected 1997-12-11

## Foreword

The text of the International Standard ISO 4762:1997 has been prepared by Technical Committee ISO/TC 2 "Fasteners" in collaboration with 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 May 1998, and conflicting national standards shall be withdrawn at the latest by May 1998.

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## Endorsement notice

The text of the International Standard ISO 4762:1997 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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**Annex ZA (normative)**  
**Normative references to international publications**  
**with their relevant European publications**

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 225	1983	Fasteners - Bolts, screws, studs and nuts - Symbols and designations of dimensions	EN 20225	1991
ISO 898-1	1988	Mechanical properties of fasteners - Part 1: Bolts, screws and studs	EN 20898-1	1991
ISO 6157-1	1988	Fasteners - Surface discontinuities - Part 1: Bolts, screws and studs for general requirements	EN 26157-1	1991
ISO 6157-3	1988	Fasteners - Surface discontinuities - Part 3: Bolts, screws and studs for special requirements	EN 26157-3	1991
ISO 8839	1986	Mechanical properties of fasteners - Bolts, screws, studs and nuts made of non-ferrous metals	EN 28839	1991

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# INTERNATIONAL STANDARD

**ISO  
4762**

Third edition  
1997-11-15

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## Hexagon socket head cap screws

*Vis à tête cylindrique à six pans creux*

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Reference number  
ISO 4762:1997(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.

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.

International Standard ISO 4762 was prepared by Technical Committee ISO/TC 2, *Fasteners*.

This third edition cancels and replaces the second edition (ISO 4762:1989), which has been technically revised.

[SIST EN ISO 4762:2001](https://standards.iteh.ai/catalog/standards/sist/2ba97b5b-e5e6-4569-876c-)

<https://standards.iteh.ai/catalog/standards/sist/2ba97b5b-e5e6-4569-876c->

Annex A forms an integral part of this International Standard. Annex B is for information only.

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# Hexagon socket head cap screws

## 1 Scope

This International Standard specifies the characteristics of hexagon socket head cap screws with threads from M1,6 up to and including M64 and product grade A.

Gauging of hexagon sockets is specified in annex A. For approximate masses of screws see annex B.

If, in special cases, specifications other than those listed in this International Standard are required, they should be selected from existing International Standards, for example ISO 261, ISO 888, ISO 898-1, ISO 965-2, ISO 3506-1 and ISO 4759-1.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 225:1983, *Fasteners – Bolts, screws, studs and nuts – Symbols and designations of dimensions.*

ISO 261:<sup>1)</sup>, *ISO general purpose metric screw threads – General plan.*

ISO 888:1976, *Bolts, screws and studs – Nominal lengths, and thread lengths for general purpose bolts.*

ISO 898-1:<sup>2)</sup>, *Mechanical properties of fasteners made of carbon and alloy steel – Part 1: Bolts, screws and studs.*

ISO 965-2:<sup>3)</sup>, *ISO general purpose metric screw threads – Tolerances – Part 2: Limits of sizes for general purpose bolt and nut threads – Medium quality.*

ISO 965-3:<sup>4)</sup>, *ISO general purpose metric screw threads – Tolerances – Part 3: Deviations for constructional threads.*

ISO 3269:1988, *Fasteners – Acceptance inspection.*

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

ISO 4042:<sup>5)</sup>, *Fasteners – Electroplated coatings.*

ISO 4753:1983, *Fasteners – Ends of parts with external metric ISO threads.*

ISO 4759-1:<sup>6)</sup>, *Tolerances for fasteners – Part 1: Bolts, screws, studs and nuts – Product grades A, B and C.*

ISO 6157-1:1988, *Fasteners – Surface discontinuities – Part 1: Bolts, screws and studs for general requirements.*

ISO 6157-3:1988, *Fasteners – Surface discontinuities – Part 3: Bolts, screws and studs for special requirements.*

ISO 8839:1986, *Mechanical properties of fasteners – Bolts, screws, studs and nuts made of non-ferrous metals.*

ISO 8992:1986, *Fasteners – General requirements for bolts, screws, studs and nuts.*

1) To be published. (Revision of ISO 261:1973)

2) To be published. (Revision of ISO 898-1:1988)

3) To be published. (Revision of ISO 965-2:1980)

4) To be published. (Revision of ISO 965-3:1980)

5) To be published. (Revision of ISO 4042:1989)

6) To be published. (Revision of ISO 4759-1:1978)