



NSAI
Standards

Irish Standard
I.S. EN ISO 10642:2004

Hexagon socket countersunk head screws (ISO 10642:2004)

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I.S. EN ISO 10642:2004

Incorporating amendments/corrigenda/National Annexes issued since publication:
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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

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SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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English Version

Hexagon socket countersunk head screws (ISO 10642:2004/Amd 1:2012)

Vis à tête fraisée à six pans creux (ISO 10642:2004/Amd
1:2012)

Senkschrauben mit Innensechskant (ISO 10642:2004/Amd
1:2012)

This amendment A1 modifies the European Standard EN ISO 10642:2004; it was approved by CEN on 9 August 2012.

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Foreword

This document (EN ISO 10642:2004/A1:2012) has been prepared by Technical Committee ISO/TC 2 “Fasteners” of the International Organization for Standardization (ISO) has been taken over as an amendment to the European Standard by Technical Committee CEN/TC 185 “Fasteners” the secretariat of which is held by DIN.

This Amendment to the European Standard EN ISO 10642:2004 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2013, and conflicting national standards shall be withdrawn at the latest by June 2013.

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Endorsement notice

The text of ISO 10642:2004/Amd 1:2012 has been approved by CEN as a EN ISO 10642:2004/A1:2012 without any modification.

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I.S. EN ISO 10642:2004
INTERNATIONAL
STANDARD

ISO
10642

Second edition
2004-03-01

AMENDMENT 1
2012-07-01

Hexagon socket countersunk head screws
AMENDMENT 1

Vis à tête fraisée à six pans creux

AMENDEMENT 1



Reference number
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Foreword

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Amendment 1 to ISO 10642:2004 was prepared by Technical Committee ISO/TC 2, *Fasteners*, Subcommittee SC 11, *Fasteners with metric external thread*.

Hexagon socket countersunk head screws

AMENDMENT 1

Page 4, Table 1

In the fifth row, modify the value of $d_{k, \min}$ for M20 from 36,05 mm to 35,4 mm according to ISO 7721.

ISO 10642:2004/Amd.1:2012(E)

I.S. EN ISO 10642:2004

ICS 21.060.10

Price based on 1 page

English version

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Vis à tête fraisée à six pans creux (ISO 10642:2004)

Senkschrauben mit Innensechskant (ISO 10642:2004)

This European Standard was approved by CEN on 16 January 2004.

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I.S. EN ISO 10642:2004

EN ISO 10642:2004 (E)

Foreword

This document (EN ISO 10642:2004) 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 September 2004, and conflicting national standards shall be withdrawn at the latest by September 2004.

This document supersedes EN ISO 10642:1997.

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Endorsement notice

The text of ISO 10642:2004 has been approved by CEN as EN ISO 10642:2004 without any modifications.

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**INTERNATIONAL
STANDARD**

**ISO
10642**

Second edition
2004-03-01

**Hexagon socket countersunk head
screws**

Vis à tête fraisée à six pans creux



Reference number
ISO 10642:2004(E)

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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.

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ISO 10642 was prepared by Technical Committee ISO/TC 2, *Fasteners*.

This second edition cancels and replaces the first edition (ISO 10642:1997), which has been technically revised.

Hexagon socket countersunk head screws

1 Scope

This International Standard specifies the characteristics of hexagon socket countersunk head screws with threads from M3 up to and including M20, with product grade A and property classes 8.8, 10.9 and 12.9.

NOTE Particular attention is drawn to the note in Table 2 and to Table 3, concerning the limitation on ultimate tensile load.

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

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 225, *Fasteners — Bolts, screws, studs and nuts — Symbols and designations of dimensions*

ISO 261, *ISO general-purpose metric screw threads — General plan*

ISO 888, *Bolts, screws and studs — Nominal lengths, and thread lengths for general purpose bolts*

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

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 965-3, *ISO general purpose metric screw threads — Tolerances — Part 3: Deviations for constructional screw threads*

ISO 3269, *Fasteners — Acceptance inspection*

ISO 4042, *Fasteners — Electroplated coatings*

ISO 4753, *Fasteners — Ends of parts with external ISO metric thread*

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

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

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

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

ISO 10683, *Fasteners — Non-electrolytically applied zinc flake coatings*

ISO 23429, *Gauging of hexagon sockets*

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