



NSAI
Standards

Irish Standard
I.S. EN ISO 14582:2013

Fasteners - Hexalobular socket countersunk head screws, high head (ISO 14582:2013)

I.S. EN ISO 14582:2013

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English Version

Fasteners - Hexalobular socket countersunk head screws, high head (ISO 14582:2013)

Éléments de fixation - Vis à tête fraisée à six lobes internes, tête haute (ISO 14582:2013)

Mechanische Verbindungselemente - Senkschrauben mit Innensechsrund, hoher Kopf (ISO 14582:2013)

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Foreword

This document (EN ISO 14582:2013) 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 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of an identical text or by endorsement, at the latest by March 2014, and conflicting national standards shall be withdrawn at the latest by March 2014.

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INTERNATIONAL
STANDARD

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**Fasteners — Hexalobular socket
countersunk head screws, high head**

Éléments de fixation — Vis à tête fraisée à six lobes internes, tête haute



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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.

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. www.iso.org/directives

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The committee responsible for this document is ISO/TC 2, *Fasteners*, Subcommittee SC 11, *Fasteners with metric external thread*.

Fasteners — Hexalobular socket countersunk head screws, high head

1 Scope

This International Standard specifies hexalobular socket countersunk head bolts and screws with high head (full loadability), of product grade A, and thread diameters from M3 up to and including M10 and property classes 4.8, 8.8 and 10.9.

NOTE 1 In comparison with ISO common countersunk head, the height of the head has been slightly increased in order to have screws with full loadability, in conformity with the mechanical properties specified in ISO 898-1.

This International Standard also specifies gauge dimensions for the control of the head dimensions.

NOTE 2 Because of the increased head height, these screws are not fully interchangeable with other countersunk ISO metric screws. The assembled parts also need a slightly deeper countersink than those specified in ISO 15065.

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

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 descriptions of dimensions*

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

ISO 898-1, *Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs with specified property classes — Coarse thread and fine pitch thread*

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 3269, *Fasteners — Acceptance inspection*

ISO 4042, *Fasteners — Electroplated coatings*

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

ISO 10664, *Hexalobular internal driving feature for bolts and screws*

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

ISO 10684, *Fasteners — Hot dip galvanized coatings*

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