

SLOVENSKI STANDARD SIST EN ISO 7721-2:1996

01-april-1996

Vijaki s šestrobo glavo - 2. del: Globina križnih zarez

Countersunk flat head screws - Part 2: Penetration depth of cross recesses (ISO 7721-2:1990)

Senkschrauben - Teil 2: Eindringtiefen von Kreuzschlitzen (ISO 7721-2:1990)

Vis a métaux a tete fraisée - Partie 2: Profondeur de pénétration des empreintes cruciformes (ISO 7721-2:1990) (standards.iteh.ai)

Ta slovenski standard je istoveten z: EN ISO 7721-2:1994

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ICS:

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

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Descriptors:

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English version

Countersunk flat head screws - Part 2: Penetration depth of cross recesses (ISO 7721-2:1990)

Vis à métaux à tête fraisée : Partie 2: DARD PR Senkschrauben - Teil 2: Eindringtiefen von Profondeur de pénétration des cruciformes (ISO 7721-2:1990) (Standards.iteh.ai)

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CEN

European Committee for Standardization Comité Européen de Normalisation Europäisches Komitee für Normung

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

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Foreword

This European Standard has been taken over by the Technical Committee CEN/TC 185 "Threaded and non-threaded mechanical fasteners and accessories" from the work of ISO/TC 2 "Fasteners" of the International Organization for Standardization (ISO)

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of an identical text or by endorsement, at the latest by January 1995, and conflicting national standards shall be withdrawn at the latest by January 1995.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

Endorsement notice

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The text of the International Standard ISO 7721-2:1990 was approved by CEN as a European Standard without any modification Standards.iten.al

NOTE: Normative references to Sinternational 2: publications are listed in annex ZA (normative) https://standards.iteh.ai/catalog/standards/sist/6f375817-c6dc-4cb3-97ec-d8f6a3b82904/sist-en-iso-7721-2-1996

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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 (including amendments).

Publication	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
ISO 225	1983	Fasteners - Bolts, screws, studs-Symbols and designation of dimensions	EN 20225	1991
ISO 7721	1983	Countersunk head screws - Head configuration and gauging	EN 27721	1991

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INTERNATIONAL STANDARD

ISO 7721-2

> First edition 1990-09-01

Countersunk flat head screws -

Part 2:

Penetration depth of cross recesses iTeh STANDARD PREVIEW

(standards.iteh.ai) Vis à métaux à tête fraisée —

Partie 2: Profondeur de pénétration des empreintes cruciformes

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ISO 7721-2:1990(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 IR W casting a vote.

International Standard ISO 7721-2 was prepared by Technical Committee ISO/TC 2, Fasteners.

ISO 7721 consists of the following parts under the general title Countersunk flat head screws:

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- Part 1: Head configuration and gauging
- Part 2: Penetration depth of cross recesses

Annex A of this part of ISO 7721 is for information only.

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Introduction

The penetration depth of cross recesses for countersunk flat head screws has to satisfy two requirements which act in opposite directions for a given head dimension.

First, there is the requirement for sufficient head strength to attain the proof and breaking loads of the respective property class. A shallow cross recess increases the head strength. On the other hand, the wrenchability of the screw should be satisfactory; this can only be achieved by a sufficiently deep cross recess.

ISO 7721-2 was developed in order to find a compromise which, as far as possible, would meet both requirements.

This part of ISO 7721 specifies deep cross recesses for countersunk head screws of low strength: a good wrenchability is achieved and the strength is still sufficient. This execution will be used in ISO 7046-1 (see annex A).

https://standards.itch.aitained/bycarshallowerspenetration_depth of the cross recesses. If such also require_good wrenchability, then, under the conditions of the common head style, a shoulder has to be provided under the head, in addition to the larger penetration depth, in order to guarantee sufficient head strength.

This compromise, which unfortunately results in different but interchangeable types of cross recessed flat countersunk head screws, is at the moment the only way of reaching an agreement at the international level.