

**SLOVENSKI STANDARD  
SIST EN ISO 8742:2001****01-julij-2001****Nadomešča:  
SIST EN 28742:1996**

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**Zasekani zatiči z brazdami enake globine na tretjini dolžine v sredini (ISO 8742:1997)**

Grooved pins - One-third-length centre grooved (ISO 8742:1997)

Knebelkerbstifte mit kurzen Kerben (ISO 8742:1997)

Goupilles cannelées a cannelures centrales constantes sur le tiers de la longueur non débouchantes (ISO 8742:1997)

[SIST EN ISO 8742:2001](https://standards.iteh.ai/catalog/standards/sist/0a00368c-70f4-4d77-a685-61fb/sist-en-8742-2001)<https://standards.iteh.ai/catalog/standards/sist/0a00368c-70f4-4d77-a685-61fb/sist-en-8742-2001>**Ta slovenski standard je istoveten z: EN ISO 8742:1997****ICS:**

21.060.50      Zatiči, žebliji      Pins, nails

**SIST EN ISO 8742:2001      en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO 8742

November 1997

ICS 21.060

Supersedes EN 28742:1992

Descriptors: see ISO document

English version

## Grooved pins - One-third-length centre grooved (ISO 8742:1997)

Goupilles cannelées à cannelures centrales constantes sur le tiers de la longueur non débouchantes (ISO 8742:1997)

Knebelkerbstifte mit kurzen Kerben (ISO 8742:1997)

This European Standard was approved by CEN on 18 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

Page 2  
EN ISO 8742:1997

### Foreword

The text of the International Standard ISO 8742:1997 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 supersedes EN 28742:1992.

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 8742:1997 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 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 8749	1986	Pins and grooved pins - Shear test	EN 28749	1992

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# INTERNATIONAL STANDARD

**ISO**  
**8742**

Second edition  
1997-11-01

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## Grooved pins — One-third-length centre grooved

*Goupilles cannelées à cannelures centrales constantes sur le tiers  
de la longueur non débouchantes*

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Reference number  
ISO 8742:1997(E)

**ISO 8742:1997(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 8742 was prepared by Technical Committee ISO/TC 2, *Fasteners*.

This second edition cancels and replaces the first edition (ISO 8742:1986), which has been technically revised.

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Printed in Switzerland



# Grooved pins — One-third-length centre grooved

## 1 Scope

This International Standard specifies the characteristics of one-third-length centre grooved pins made of steel or austenitic stainless steel which have three equally spaced grooves impressed longitudinally on their exterior surface, with nominal diameter,  $d_1$ , from 1,5 mm to 25 mm inclusive.

The displaced material to each side of the grooves forming an expanded diameter,  $d_2$ , which is larger than the nominal diameter  $d_1$  will cause a non-positive locking fit when these grooved pins are forced into a drilled hole equal to the nominal diameter  $d_1$  (see clause 4).

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

ISO 3506-1:1997, *Corrosion-resistant stainless steel fasteners – Part 1: Bolts, screws and studs*.

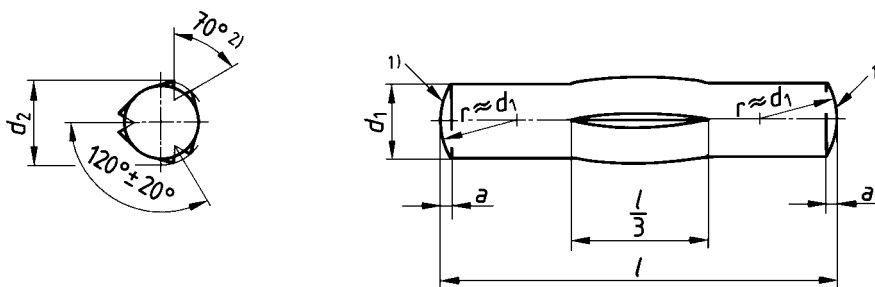
ISO 4042:–<sup>1)</sup>, *Fasteners – Electroplated coatings*. <https://standards.iteh.ai/catalog/standards/sist/0a00368c-70f4-4d77-a685-0d74764c61fb/sist-en-iso-8742-2001>

ISO 8749:1986, *Pins and grooved pins – Shear test*.

ISO 9717:1990, *Phosphate conversion coatings for metals – Method of specifying requirements*.

## 3 Dimensions

See figure 1 and table 1.



- 1) Chamfer permissible
- 2) The grooving angle  $70^\circ$  applies only to grooved pins made from steel as shown in clause 5. The grooving angle may be modified depending on resilience of material

Figure 1

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