



SLOVENSKI STANDARD

SIST EN 27434:1996

01-april-1996

Navojni zatiči z zarezo in končino s konico (ISO 7434:1983)

Slotted set screws with cone point (ISO 7434:1983)

Gewindestifte mit Schlitz und Spitze (ISO 7434:1983)

Vis sans tete, fendues, a bout pointu (ISO 7434:1983)

Ta slovenski standard je istoveten z: EN 27434:1992

[SIST EN 27434:1996](https://standards.iteh.ai/catalog/standards/sist/0ec55c41-0a15-4d91-8c1d-f32763997622/sist-en-27434-1996)

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ICS:

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

SIST EN 27434:1996

en

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EUROPEAN STANDARD

EN 27434:1992

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 1992

UDC 621.882.219.71.092.5

Descriptors: Fasteners, screws, set screws, specifications, dimensions, dimensional tolerances, designation

English version

**Slotted set screws with cone point (ISO
7434:1983)**Vis sans tête, fendues, à bout pointu (ISO
7434:1983)Gewindestifte mit Schlitz und Spitze (ISO
7434:1983)**iteh STANDARD PREVIEW**
(standards.iteh.ai)SIST EN 27434:1996<https://standards.iteh.ai/catalog/standards/sist/0ec55c41-0a15-4d91-8c1d-f32763997622/sist-en-27434-1996>

This European Standard was approved by CEN on 1992-07-17. 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.

The European Standards exist 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

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

FOREWORD

In 1992, CEN Technical Committee CEN/TC 185 "Threaded and non threaded mechanical fasteners and accessories" the secretariat of which is held by DIN decided to submit the International Standard

ISO 7434:1983 - "Slotted set screws with cone point"

to the formal vote procedure.

The result was positive.

In the countries bound to implement this European Standard a national standard identical to this European standard shall be published at the latest by 1993-01-31 and conflicting national standards shall be withdrawn at the latest by 1993-01-31.

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

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Endorsement notice

The text of the International Standard ISO 7434:1983 was approved by CEN as a European Standard without any modification.

International Standard



7434

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Slotted set screws with cone point

Vis sans tête, fendues, à bout pointeau

First edition — 1983-09-01

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UDC 621.882.219.4.092.5

Ref. No. ISO 7434-1983 (E)

Descriptors : fasteners, screws, slotted headless screws, dimensions, specifications, designation.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been authorized 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

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International Standard ISO 7434 was developed by Technical Committee ISO/TC 2, *Fasteners*, and was circulated to the member bodies in December 1981.

It has been approved by the member bodies of the following countries:

Austria	Hungary	Poland
Belgium	India	Romania
Brazil	Ireland	South Africa, Rep. of
China	Japan	Spain
Czechoslovakia	Korea, Dem. P. Rep. of	Sweden
Denmark	Korea, Rep. of	Switzerland
Egypt, Arab Rep. of	Mexico	United Kingdom
Finland	Netherlands	USSR
France	New Zealand	
Germany, F.R.	Norway	

No member body expressed disapproval of the document.

Slotted set screws with cone point

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1 Scope and field of application [SIST EN 27434:1996](#)

This International Standard specifies the characteristics of slotted set screws with cone point and thread sizes from M 1,2 to M 12 inclusive and product grade A.

If other specifications are required, it is recommended that they should be selected from existing International Standards, for example ISO 261, ISO 888, ISO 898, ISO 965, ISO 3506, ISO 4759/1.

2 References

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, *Mechanical properties of fasteners.*

ISO 965, *ISO general purpose metric screw threads — Tolerances.*

ISO 3269, *Fasteners — Acceptance inspection.*¹⁾

ISO 3506, *Corrosion-resistant stainless steel fasteners — Specifications.*

ISO 4042, *Threaded components — Electroplated coatings components.*¹⁾

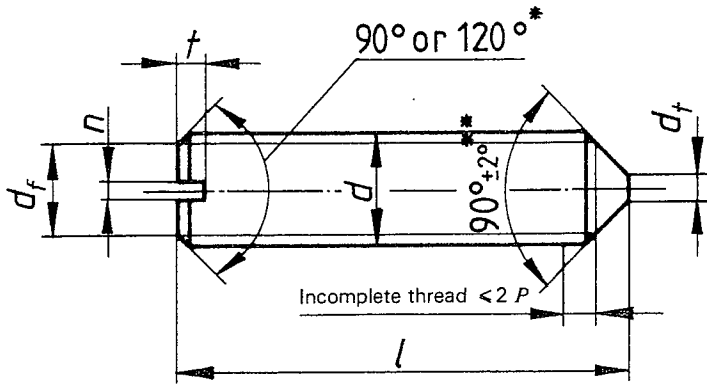
ISO 4753, *Fasteners — Ends of parts with external metric ISO thread.*

ISO 4759/1, *Tolerances for fasteners — Part 1: Bolts, screws and nuts with thread diameters > 1,6 and < 150 mm and product grades A, B and C.*

1) At present at the stage of draft.

ISO 7434-1983 (E)

3 Dimensions



* The 120° angle is mandatory for short length screws above the dotted stepped line.
 ** The 90° angle applies only to the portion of the point below the root diameter of the thread with nominal lengths *l* below the dotted stepped line.
 For short length screws above the dotted stepped line a 120° angle is mandatory.

Dimensions in millimetres

Thread size <i>d</i>	M 1,2	M 1,6	M 2	M 2,5	M 3	(M 3,5) ¹⁾	M 4	M 5	M 6	M 8	M 10	M 12
<i>p</i> ²⁾	0,25	0,35	0,4	0,45	0,5	0,6	0,7	0,8	1	1,25	1,5	1,75
<i>d_f</i>	Minor thread diameter											
<i>d_f</i> ³⁾	min.	—	—	—	—	—	—	—	—	—	—	—
	max.	0,12	0,16	0,2	0,25	0,3	0,35	0,4	0,5	1,5	2	3
<i>n</i>	nom.	0,2	0,25	0,25	0,4	0,4	0,5	0,6	0,8	1	1,2	1,6
	max.	0,4	0,45	0,45	0,6	0,6	0,7	0,8	1	1,2	1,51	1,91
<i>t</i>	min.	0,4	0,56	0,64	0,72	0,8	0,96	1,28	1,6	2	2,4	2,8
	max.	0,52	0,74	0,84	0,95	1,05	1,21	1,42	1,63	2	2,5	3,6
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nom.	<i>l</i> ^{1), 4)}											
	min.	max.										
2	1,8	2,2										
2,5	2,3	2,7										
3	2,8	3,2										
4	3,7	4,3										
5	4,7	5,3										
6	5,7	6,3										
8	7,7	8,3										
10	9,7	10,3										
12	11,6	12,4										
(14)	13,6	14,4										
16	15,6	16,4										
20	19,6	20,4										
25	24,6	25,4										
30	29,6	30,4										
35	34,5	35,5										
40	39,5	40,5										
45	44,5	45,5										
50	49,5	50,5										
55	54,4	55,6										
60	59,4	60,6										

- 1) Sizes in brackets should be avoided if possible.
- 2) *P* = pitch of the thread.
- 3) < M5 no flat part on the cone required; the point may be slightly rounded.
- 4) Min. and max. values according to ISO 4759/1, but rounded to one decimal place.