



SLOVENSKI STANDARD

SIST EN 24015:1996

01-april-1996

Vijaki s šest robo glavo - Razred izdelave B - Premer stebra = srednji premer navoja

Hexagon head bolts - Product grade B - Reduced shank (Shank diameter = pitch diameter) (ISO 4015:1979)

Sechskantschrauben mit Schaft - Dünnschaft (Schaftdurchmesser = Flankendurchmesser) - Produktklasse B (ISO 4015:1979)

Boulons a tete hexagonale - Classe de produit B - Tige réduite (Diametre de tige = diametre sur flanc de filet) (ISO 4015:1979)

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[SIST EN 24015:1996](https://standards.iteh.ai/catalog/standards/sist/3c1625df-e1ea-47ba-a49b-710540a0062e/sist-en-24015-1996)

Ta slovenski standard je istoveten z: [EN 24015:1991](https://standards.iteh.ai/catalog/standards/sist/3c1625df-e1ea-47ba-a49b-710540a0062e/sist-en-24015-1996)

ICS:

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

SIST EN 24015:1996

en

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EUROPEAN STANDARD

EN 24015:1991

NORME EUROPEENNE

EUROPAISCHE NORM

October 1991

UDC 621.882.211

Descriptors : Fasteners, bolts, hexagonal head screws, specifications,
dimensions, designation

English version

Hexagon head bolts - Product grade B - Reduced
shank (Shank diameter = pitch diameter) (ISO
4015:1979)

Boulons à tête hexagonale - Classe de
produit B - Tige réduite (Diamètre de
tige = diamètre sur flanc de filet)
(ISO 4015:1979)

Sechskantschrauben mit Schaft -
Dünnschaft (Schaftdurchmesser =
Flankendurchmesser) - Produktklasse B
(ISO 4015:1979)

This European Standard was approved by CEN on 1991-10-10 and is identical to
the ISO standard as referred to.

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.

SIST EN 24015:1996

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

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

In 1990, ISO 4015:1979 was submitted to the CEN P.Q.-procedure.

Following the positive result of the P.Q., CEN/BT agreed to submit ISO 4015:1979 with the following modifications to Formal Vote.

In the French version, replace :

- "boulon" by "vis partiellement filetée",
- "vis" by "vis entièrement filetée",
- "boulon, vis" by "vis",
- "classe de produit" by "grade",
- "classe de caractéristique" by "classe de qualité",

In accordance with the Common CEN/CENELEC Rules, 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 and United Kingdom.

[SIST EN 24015:1996](https://standards.iteh.ai/catalog/standards/sist/3c1625df-e1ea-47ba-a49b-7f0346a0062e/sist-en-24015-1996)

<https://standards.iteh.ai/catalog/standards/sist/3c1625df-e1ea-47ba-a49b-7f0346a0062e/sist-en-24015-1996>

Endorsement notice

The text of the International Standard ISO 4015:1979 was approved by CEN as a European Standard with agreed common modifications as given above.

International Standard



2341

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

Clevis pins with head

Axes d'articulation avec tête

Second edition — 1986-11-01

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UDC 621.886.11

Ref. No. ISO 2341-1986 (E)

Descriptors : fasteners, pins (mechanics), hinge pins, specifications, dimensions, designation.

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.

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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 2341 was prepared by Technical Committee ISO/TC 2, *Fasteners*.

This second edition cancels and replaces the first edition (ISO 2341:1972) of which it constitutes a technical revision. <https://standards.iteh.ai/catalog/standards/sist/3c1625df-e1ea-47ba-a49b-7f0346a0062e/sist-en-24015-1996>

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Clevis pins with head

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1 Scope and field of application

[SIST EN 24015:1996](https://standards.iteh.ai/catalog/standards/sist/3c1625df-e1ea-47ba-a49b-7f0346a0062e/sist-en-24015-1996)

This International Standard specifies the characteristics of clevis pins with head, with metric dimensions and nominal diameters, d , from 3 to 100 mm inclusive.

2 References

ISO 1234, *Split pins — Metric series.*

ISO 2081, *Metallic coatings — Electroplated coatings of zinc on iron or steel.*

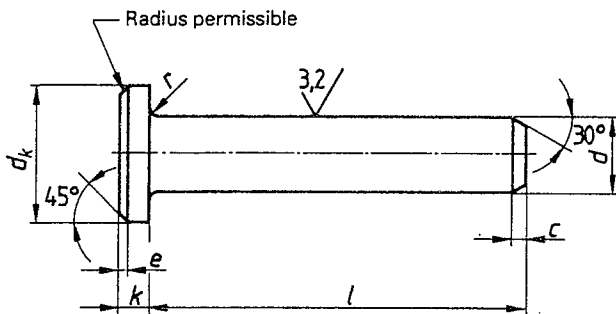
ISO 3269, *Fasteners — Acceptance inspection.*

ISO 4520, *Chromate conversion coatings on electroplated zinc and cadmium coatings.*

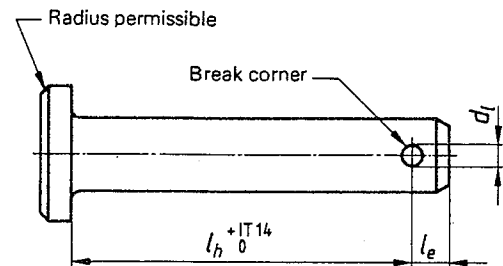
3 Dimensions

Surface roughness values in micrometres

Type A
Without split pin hole



Type B
With split pin hole



NOTES

- 1 Other dimensions, angles and surface roughness value, see type A.
- 2 In cases where a distance l_h which is not in accordance with $l - l_e$ is necessary, this distance should be fixed in the designation (see clause 5), but in no case may the values for l_e be smaller than those given in the table.

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NOTE — For railway applications and in cases where the split pins are subjected to alternating transverse forces, it is recommended that the next larger split pin and corresponding hole diameter to that specified be used.

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Dimensions in millimetres

d	$h_{11}^{1)}$	3	4	5	6	8	10	12	14	16	18	20	22	24	27	30	33	36	40	45	50	55	60	70	80	90	100		
d_k	h14	5	6	8	10	14	18	20	22	25	28	30	33	36	40	44	47	50	55	60	66	72	78	90	100	110	120		
d_i	H13 ²⁾	0,8	1	1,2	1,6	2	3,2	3,2	4	4	5	5	5	6,3	6,3	8	8	8	8	10	10	10	10	13	13	13	13		
c	max.	1	1	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6		
e	\approx	0,5	0,5	1	1	1	1	1,6	1,6	1,6	1,6	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3		
k	js14	1	1	1,6	2	3	4	4	4	4,5	5	5	5,5	6	6	8	8	8	8	9	9	11	12	13	13	13	13		
l_e	min.	1,6	2,2	2,9	3,2	3,5	4,5	5,5	6	6	7	8	8	9	9	10	10	10	10	12	12	14	14	16	16	16	16		
r		0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
$l^{3)}$																													
nom.	min.	max.																											
6	5,75	6,25																											
8	7,75	8,25																											
10	9,75	10,25																											
12	11,5	12,5																											
14	13,5	14,5																											
16	15,5	16,5																											
18	17,5	18,5																											
20	19,5	20,5																											
22	21,5	22,5																											
24	23,5	24,5																											
26	25,5	26,5																											
28	27,5	28,5																											
30	29,5	30,5																											
32	31,5	32,5																											
35	34,5	35,5																											
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45	44,5	45,5																											
50	49,5	50,5																											
55	54,25	55,75																											
60	59,25	60,75																											
65	64,25	65,75																											
70	69,25	70,75																											
75	74,25	75,75																											
80	79,25	80,75																											
85	84,25	85,75																											
90	89,25	90,75																											
95	94,25	95,75																											
100	99,25	100,75																											
120	119,25	120,75																											
140	139,25	140,75																											
160	159,25	160,75																											
180	179,25	180,75																											
200	199,25	200,75																											

1) Other tolerances, for example a11, c11, f8, as agreed between customer and supplier.

2) Hole diameter d_i = nominal size of the split pin (see ISO 1234).

3) For nominal lengths above 200 mm, steps of 20 mm.