



SLOVENSKI STANDARD

SIST EN 24036:1996

01-april-1996

Šestrobe nizke matice brez posnetja - Razred izdelave B

Hexagon thin nuts - Product grade B (unchamfered) (ISO 4036:1979)

Niedrige Sechskantmuttern ohne Fase - Produktklasse B (ISO 4036:1979)

Ecrous bas hexagonaux - Classe de produit B (sans chanfrein) (ISO 4036:1979)

Ta slovenski standard je istoveten z: **EN 24036:1991**

[SIST EN 24036:1996](https://standards.iteh.ai/catalog/standards/sist/3213484a-c71c-47a1-8b7d-23c08f9957c2/sist-en-24036-1996)

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ICS:

21.060.20 Matice Nuts

SIST EN 24036:1996 **en**

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EUROPEAN STANDARD

EN 24036:1991

NORME EUROPEENNE

EUROPAISCHE NORM

October 1991

UDC 621.882.31

Descriptors : Fasteners, nuts : fasteners, hexagonal nuts, specifications,
dimensions, designation

English version

Hexagon thin nuts - Product grade B (unchamfered)
(ISO 4036:1979)

Ecrous bas hexagonaux - Classe de
produit B (sans chanfrein) (ISO
4036:1979)

Niedrige Sechskantmuttern ohne Fase -
Produktklasse B (ISO 4036:1979)

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.

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.

[SIST EN 24036:1996](https://standards.iteh.ai/catalog/standards/sist/3213484a-c71c-47a1-8b7d-1b3c01b9e2/sist/en-1991-10-10-en-24036)

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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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Ref. No. EN 24036:1991 E

FOREWORD

In 1990, ISO 4036:1979 was submitted to the CEN P.Q.-procedure.

Following the positive result of the P.Q., CEN/BT agreed to submit ISO 4036:1979 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".

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.

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Endorsement notice

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The text of the International Standard ISO 4036:1979 was approved by CEN as a European Standard with agreed common modifications as given above.

International Standard



4036

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

Hexagon thin nuts — Product grade B (unchamfered)

Écrous bas hexagonaux — Classe de produit B (sans chanfrein)

First edition — 1979-06-01

Corrected and reprinted — 1984-11-15

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UDC 621.882.31

Ref. No. ISO 4036-1979 (E)

Descriptors : fasteners, nuts (fasteners), hexagonal nuts, specifications, dimensions, designation.

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (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 set up 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.

International Standard ISO 4036 was developed by Technical Committee ISO/TC 2, *Fasteners*, and was circulated to the member bodies in December 1977.

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

Australia	Hungary	Norway
Belgium	India	Poland
Canada	Ireland	Romania
Chile	Israel	South Africa, Rep. of
Czechoslovakia	Italy	Spain
Denmark	Korea, Rep. of	Sweden
Egypt, Arab Rep. of	Mexico	United Kingdom
Finland	Netherlands	USA
Germany, F. R.	New Zealand	Yugoslavia

The member bodies of the following countries expressed disapproval of the document on technical grounds :

France
USSR

Hexagon thin nuts — Product grade B (unchamfered)

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0 INTRODUCTION

This International Standard is part of the complete ISO product standards series on hexagon drive fasteners. The series comprises :

- a) Hexagon head bolts (ISO 4014, ISO 4015 and ISO 4016)
 - b) Hexagon head screws (ISO 4017 and ISO 4018)
 - c) Hexagon nuts (ISO 4032, ISO 4033, ISO 4034, ISO 4035 and ISO 4036)
 - d) Hexagon flanged bolts
 - e) Hexagon flanged screws
 - f) Hexagon flanged nuts
 - g) Structural bolting
- } (in preparation)

1 SCOPE AND FIELD OF APPLICATION

This International Standard gives specifications for hexagon

thin nuts with metric dimensions and thread diameters from 1,6 up to and including 10 mm and product grade B.

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

2 REFERENCES

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

ISO 898, *Mechanical properties of fasteners.*

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

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

ISO 4036-1979 (E)

3 DIMENSIONS



Dimensions in millimetres

Thread size d		M1,6	M2	M2,5	M3	(M3,5)	M4	M5	M6	M8	M10
P	1)	0,35	0,4	0,45	0,5	0,6	0,7	0,8	1	1,25	1,5
e	min.	3,28	4,18	5,31	5,87	6,44	7,50	8,63	10,89	14,20	17,59
m	max.	1	1,2	1,6	1,8	2	2,2	2,7	3,2	4	5
	min.	0,6	0,8	1,2	1,4	1,6	1,8	2,3	2,72	3,52	4,52
s	max.	3,2	4	5	5,5	6	7	8	10	13	16
	min.	2,9	3,7	4,7	5,2	5,7	6,64	7,64	9,64	12,57	15,57

1) P = pitch of the thread.

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4 SPECIFICATIONS AND REFERENCE STANDARDS EN 24036:1996

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Material		Steel	Non-ferrous metal
Thread	Tolerance	6 H	
	International Standards	ISO 261, ISO 965	
Mechanical properties	Class (Hardness)	HV 110 min.	...
	International Standards		ISO ... ¹⁾
Tolerance	Product grade	B	
	International Standard	ISO 4759/1	
Finish		as processed	plain
		Requirements for electroplating are covered in ISO ... ¹⁾ . If different electroplating requirements are desired or if requirements are needed for other finishes, they should be negotiated between customer and supplier.	
Acceptability		For acceptance procedure see ISO ... ¹⁾ .	

1) In preparation.

5 DESIGNATION

Example for the designation of a hexagon thin nut with metric thread $d = M6$ made from steel with HV 110 min. (st) :

Hexagon nut ISO4036 M6-st