



SLOVENSKI STANDARD

SIST EN ISO 1119:2004

01-januar-2004

Geometrical product specifications (GPS) - Series of conical tapers and taper angles (ISO 1119:1998)

Geometrical product specifications (GPS) - Series of conical tapers and taper angles (ISO 1119:1998)

Geometrische Produktspezifikationen (GPS) - Reihen von Kegeln und Kegelwinkeln (ISO 1119:1998)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Spécification géométrique de produits (GPS) - Série d'angles de cônes et de conicités (ISO 1119:1998)

[SIST EN ISO 1119:2004](https://standards.iteh.ai/catalog/standards/sist/f4526e44-17b4-422e-9e5f-3770260800f8/sist-en-iso-1119-2004)

[https://standards.iteh.ai/catalog/standards/sist/f4526e44-17b4-422e-9e5f-](https://standards.iteh.ai/catalog/standards/sist/f4526e44-17b4-422e-9e5f-3770260800f8/sist-en-iso-1119-2004)

[3770260800f8/sist-en-iso-1119-2004](https://standards.iteh.ai/catalog/standards/sist/f4526e44-17b4-422e-9e5f-3770260800f8/sist-en-iso-1119-2004)

Ta slovenski standard je istoveten z: EN ISO 1119:2002

ICS:

17.040.01	Linearne in kotne meritve na splošno	Linear and angular measurements in general
-----------	--------------------------------------	--

SIST EN ISO 1119:2004

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 1119:2004](#)

<https://standards.iteh.ai/catalog/standards/sist/f4526e44-17b4-422e-9e5f-3770260800f8/sist-en-iso-1119-2004>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 1119

November 2002

ICS 17.040.01

English version

**Geometrical product specifications (GPS) - Series of conical
tapers and taper angles (ISO 1119:1998)**

Spécification géométrique de produits (GPS) - Série
d'angles de cônes et de conicités (ISO 1119:1998)

Geometrische Produktspezifikationen (GPS) - Reihen von
Kegeln und Kegelwinkeln (ISO 1119:1998)

This European Standard was approved by CEN on 23 September 2002.

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 Management Centre 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 Management Centre 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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

SIST EN ISO 1119:2004

<https://standards.iteh.ai/catalog/standards/sist/f4526e44-17b4-422e-9e5f-3770260800f8/sist-en-iso-1119-2004>



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 1119:2002 (E)**Foreword**

The text of ISO 1119:1998 has been prepared by Technical Committee ISO/TC 213 "Dimensional and geometrical product specifications and verification" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 1119:2002 by Technical Committee CEN/TC 290 "Dimensional and geometrical product specification and verification", the secretariat of which is held by AFNOR.

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 2003, and conflicting national standards shall be withdrawn at the latest by May 2003.

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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 1119:1998 has been approved by CEN as EN ISO 1119:2002 without any modifications.

(standards.iteh.ai)

SIST EN ISO 1119:2004

<https://standards.iteh.ai/catalog/standards/sist/f4526e44-17b4-422e-9e5f-3770260800f8/sist-en-iso-1119-2004>

INTERNATIONAL
STANDARD

ISO
1119

Second edition
1998-09-15

**Geometrical Product Specifications
(GPS) — Series of conical tapers and taper
angles**

*Spécification géométrique de produits (GPS) — Série d'angles de cônes et
de conicités*

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 1119:2004](https://standards.iteh.ai/catalog/standards/sist/f4526e44-17b4-422e-9e5f-3770260800f8/sist-en-iso-1119-2004)

[https://standards.iteh.ai/catalog/standards/sist/f4526e44-17b4-422e-9e5f-
3770260800f8/sist-en-iso-1119-2004](https://standards.iteh.ai/catalog/standards/sist/f4526e44-17b4-422e-9e5f-3770260800f8/sist-en-iso-1119-2004)



Reference number
ISO 1119:1998(E)

ISO 1119:1998(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 1119 was prepared by the Technical Committee ISO/TC 213, *Dimensional and geometrical product specifications and verification*.

This second edition cancels and replaces the first edition (ISO 1119:1975), of which the tables have been corrected and updated, but not technically modified.

Annexes A and B of this International Standard are for information only.

© ISO 1998

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet iso@iso.ch

Printed in Switzerland

Introduction

This International Standard is a geometrical product specification (GPS) standard and is to be regarded as a general GPS standard (see ISO/TR 14638). It influences chain links 1 and 2 of the chain of standards on angle.

For more detailed information of the relation of this International Standard to other standards and the GPS matrix model, see annex A.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 1119:2004](https://standards.iteh.ai/catalog/standards/sist/f4526e44-17b4-422e-9e5f-3770260800f8/sist-en-iso-1119-2004)

<https://standards.iteh.ai/catalog/standards/sist/f4526e44-17b4-422e-9e5f-3770260800f8/sist-en-iso-1119-2004>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 1119:2004](#)

<https://standards.iteh.ai/catalog/standards/sist/f4526e44-17b4-422e-9e5f-3770260800f8/sist-en-iso-1119-2004>

Geometrical Product Specifications (GPS) — Series of conical tapers and taper angles

1 Scope

iTeh STANDARD PREVIEW
(standards.iteh.ai)

This International Standard gives a series of cones or conical tapers, ranging from 120° to less than 1°, or ratios from 1:0,289 to 1:500, intended for general use in mechanical engineering.

It applies only to plain conical surfaces, and excludes prismatic pieces, taper threads, bevel gears, etc.

The method of dimensioning and tolerancing conical surfaces on drawings is covered in ISO 3040.

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 3:1973, *Preferred numbers — Series of preferred numbers*.

ISO 3040:1990, *Technical drawings — Dimensioning and tolerancing — Cones*.

3 Definitions

For the purposes of this International Standard, the following definitions apply.

3.1

cone angle

α

included angle between generatrices as measured in the axial plane section