

**Optika ja optikariistad. Oftalmiline optika.
Keermed**

Optics and optical instruments - Ophthalmic optics -
Screw threads

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 11381:1999 sisaldab Euroopa standardi EN ISO 11381:1996 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 12.12.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 11381:1999 consists of the English text of the European standard EN ISO 11381:1996.</p> <p>This document is endorsed on 12.12.1999 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>Käesolev rahvusvaheline standard esitab nõuded ISO standardile vastavatele meetermöödustikus keermetele, mida kasutatakse prilliraamides.</p>	<p>Scope:</p>
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ICS 11.040.70

Võtmesõnad: iso standardile vastavad meetermöödustikus keermed, kinnitusvahendid, kruvikeermed, mõõtmed, näpitsprillid, oftalmiline optika, optiline instrumentaarium, tehnilised andmed

ICS 11.040.70

Descriptors: Ophthalmic optics, spectacle frames, screw threads.

English version

Optics and optical instruments

Ophthalmic optics

Screw threads

(ISO 11381:1994)

Optique et instruments d'optique; optique
ophtalmique; filetages (ISO 11381:1994)

Optik und optische Instrumente; Augen-
optik; Schraubgewinde (ISO 11381:1994)

This European Standard was approved by CEN on 1996-06-01 and is identical to the ISO Standard 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.

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 the United Kingdom.

CEN

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

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

Foreword

International Standard

ISO 11381:1994 Optics and optical instruments; ophthalmic optics; screw threads

which was prepared by ISO/TC 172 'Optics and optical instruments' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 170 'Ophthalmic optics' as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by December 1996 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, 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 the United Kingdom.

Endorsement notice

The text of the International Standard ISO 11381:1994 was approved by CEN as a European Standard without any modification.

1 Scope

This International Standard specifies requirements for ISO metric screw threads for use with spectacle frames. Provision is made for screw threads of the following nominal sizes: $S0,8 \times 0,2$; $M1,0 \times 0,25$; $M1,2 \times 0,25$; $M1,4 \times 0,3$; $M1,6 \times 0,35$ and $M2,0 \times 0,4$ and for related taps and gauges.

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 529:1993, *Short machine taps and hand taps*.

ISO 965-3:1980, *ISO general purpose metric screw threads — Tolerances — Part 3: Deviations for constructional threads*.

ISO 1501/R:1970, *ISO miniature screw threads*.

ISO 1502:—¹⁾, *ISO general-purpose metric screw threads — Gauges and gauging*.

3 Screw threads

The screw threads shall be either

- ISO metric threads of size $S0,8 \times 0,2$, complying with the requirements of ISO/R 1501, or
- ISO metric screw threads of sizes $M1,0 \times 0,25$; $M1,2 \times 0,25$; $M1,4 \times 0,3$; $M1,6 \times 0,35$ or $M2,0 \times 0,4$, complying with the requirements of ISO 965-3.

The class of fit shall be as given in table 1.

Table 1 — Class of fit of screw threads

Screw thread	Class of fit	
	Nut	Screw
S0,8 × 0,2	4H6	5h3
M1,0 × 0,25	5H	6h or 6g
M1,2 × 0,25		
M1,4 × 0,3		
M1,6 × 0,35	6H	
M2,0 × 0,4		

The designation of a screw thread consists of a capital letter indicating the thread series, followed by the value of the nominal diameter and of the pitch, expressed in millimetres and separated by a cross (×). The designation of the class of fit consists of a figure indicating the tolerance grade and a letter indicating the tolerance position, capital for nuts and lower case for bolts. The screw thread designation is separated from the class of fit by a dash.

1) To be published. (Revision of ISO 1502:1978)