

**Isefikseeruvad madalad (mittemetallist siseosaga)  
kuuskantmutrid (ISO 10511:2012)**

**Prevailing torque type hexagon thin nuts (with non-  
metallic insert) (ISO 10511:2012)**

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 10511:2012 sisaldab Euroopa standardi EN ISO 10511:2012 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 10511:2012 consists of the English text of the European standard EN ISO 10511:2012.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 19.12.2012.	Date of Availability of the European standard is 19.12.2012.
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English Version

## Prevailing torque type hexagon thin nuts (with non-metallic insert) (ISO 10511:2012)

Écrous hexagonaux bas autofreinés (à anneau non métallique) (ISO 10511:2012)

Sechskantmuttern mit Klemmteil (mit nichtmetallischem Einsatz), niedrige Form (ISO 10511:2012)

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## Foreword

This document (EN ISO 10511:2012) has been prepared by Technical Committee ISO/TC 2 "Fasteners" in collaboration with Technical Committee CEN/TC 185 "Fasteners" the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by June 2013, and conflicting national standards shall be withdrawn at the latest by June 2013.

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### Endorsement notice

The text of ISO 10511:2012 has been approved by CEN as EN ISO 10511:2012 without any modification.

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# Prevailing torque type hexagon thin nuts (with non-metallic insert)

## 1 Scope

This International Standard specifies the characteristics of prevailing torque type hexagon thin nuts (with non-metallic insert) with thread from M3 up to and including M36, in product grade A for threads up to and including M16 and product grade B for threads above M16, and with property classes 04 and 05.

NOTE The dimensions of the nuts correspond to those given in ISO 4035 plus prevailing torque feature.

If other specifications are required, they can be selected from existing International Standards, for example ISO 261, ISO 724, ISO 898-2, ISO 965-2, ISO 2320 and ISO 4759-1.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable to its application. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 225, *Fasteners — Bolts, screws, studs and nuts — Symbols and descriptions of dimensions*

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

ISO 724, *ISO general-purpose metric screw threads — Basic dimensions*

ISO 898-2, *Mechanical properties of fasteners made of carbon steel and alloy steel — Part 2: Nuts with specified property classes — Coarse thread and fine pitch thread*

ISO 965-2, *ISO general purpose metric screw threads — Tolerances — Part 2: Limits of sizes for general purpose external and internal screw threads — Medium quality*

ISO 2320, *Prevailing torque type steel nuts — Mechanical and performance properties*

ISO 3269, *Fasteners — Acceptance inspection*

ISO 4042, *Fasteners — Electroplated coatings*

ISO 4759-1, *Tolerances for fasteners — Part 1: Bolts, screws, studs and nuts — Product grades A, B and C*

ISO 6157-2, *Fasteners — Surface discontinuities — Part 2: Nuts*

ISO 8992, *Fasteners — General requirements for bolts, screws, studs and nuts*

ISO 10683, *Fasteners — Non-electrolytically applied zinc flake coatings*

## 3 Dimensions

See Figure 1 and Table 1.

Symbols and descriptions of dimensions are specified in ISO 225.