# Kuuskantpeakruvid.Tooteklassid A ja B (ISO 4017:2011)

Hexagon head screws - Product grades A and B (ISO 4017:2011)



## EESTI STANDARDI EESSÕNA

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# EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

# EN ISO 4017

April 2011

ICS 21.060.10

Supersedes EN ISO 4017:2000

**English Version** 

# Hexagon head screws - Product grades A and B (ISO 4017:2011)

Vis à tête hexagonale entièrement filetées - Grades A et B (ISO 40 7:2011)

Sechskantschrauben mit Gewinde bis Kopf -Produktklassen A und B (ISO 4017:2011)

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

## Foreword

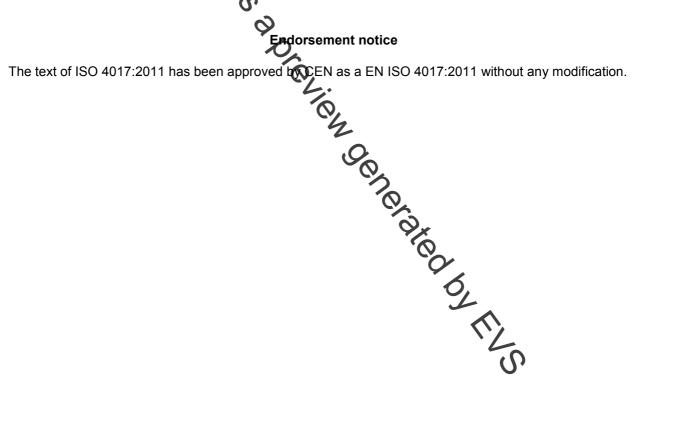
This document (EN ISO 4017:2011) has been prepared by Technical Committee ISO/TC 2 "Fasteners" in collaboration with Technical Committee CEN/TC 185 "Fasteners", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by October 2011, and conflicting national standards shall be withdrawn at the latest by October 2011.

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# Introduction

This International Standard belongs to a complete family of product standards developed by ISO on external hexagon drive fasteners. It comprises the following:

- hexagon head bolts (ISO 4014, ISO 4015, ISO 4016 and ISO 8765); a)
- hexagon head screws SO 4017, ISO 4018 and ISO 8676); b)
- hexagon nuts (ISO 4032, ISO 4033, ISO 4034, ISO 4035, ISO 4036, ISO 7040, ISO 7041, ISO 7042, C) ISO 7719, ISO 7720, ISO 8673, ISO 8674, ISO 8675, ISO 10511, ISO 10512 and ISO 10513);
- hexagon bolts with flange (ISO 4162, ISO 15071 and ISO 15072); d)
- hexagon bolts with flange (ISO 162, ISO 15071 and ISO 15072); hexagon nuts with flange (ISO 161, ISO 7043, ISO 7044, ISO 10663, ISO 12125, ISO 12126 and ISO 21670). e)

# Hexagon head screws — Product grades A and B

### 1 Scope

This International Stendard specifies the characteristics of hexagon head screws with threads from M1,6 up to and including M64, b product grade A for threads M1,6 to M24 and nominal lengths up to and including 10*d* or 150 mm, whichever is the shorter, and product grade B for threads over M24 or nominal lengths over 10*d* or 150 mm, whichever is the shorter.

NOTE This type of product is the same as that covered by ISO 4014 with the exception of threading up to head and nominal lengths up to and including 200 mm as preferred lengths.

If, in special cases, specification other than those listed in this International Standard are required, they can be selected from existing International Standards, for example ISO 724, ISO 888, ISO 898-1, ISO 965-1, ISO 3506-1, ISO 4753 and ISO 4759-1.

#### 2 Normative references

The following referenced documents are indepensable for the application of this document. For dated references, only the edition cited applies. 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 724, ISO general-purpose metric screw threads — Basic dimensions

ISO 898-1, Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs with specified property classes — Coarse thread and the pitch thread

ISO 965-1, ISO general-purpose metric screw threads — Tolerance Part 1: Principles and basic data

ISO 3269, Fasteners — Acceptance inspection

ISO 3506-1, Mechanical properties of corrosion-resistant stainless steel fasteners — Part 1: Bolts, screws and studs

ISO 3508, Thread run-outs for fasteners with thread in accordance with ISO 261 and ISO 262

ISO 4042, Fasteners — Electroplated coatings

ISO 4753, Fasteners — Ends of parts with external ISO metric thread

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

ISO 6157-1, Fasteners — Surface discontinuities — Part 1: Bolts, screws and studs for general requirements

ISO 8839, Mechanical properties of fasteners — Bolts, screws, studs and nuts made of non-ferrous metals

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

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