

**Kruvi ja seibi sõlmed lameiseibidega.
Seibikõvadusklassid 200 HV ja 300 HV**

Screw and washer assemblies with plain washers -
Washer hardness classes 200 HV and 300 HV

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 10644:1999 sisaldab Euroopa standardi EN ISO 10644:1998 ingliskeelset teksti. Käesolev dokument on jõustatud 12.12.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN ISO 10644:1999 consists of the English text of the European standard EN ISO 10644:1998. This document is endorsed on 12.12.1999 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
--	---

Käsitlusala: See rahvusvaheline standard määrab kindlaks nõuded sellistele meeterkeermega kruvi ja lameseibi sõlmedele jämekeermega M2 - M12 (kaasa arvatud), millel on ühetasaste tugipindadega pead, mis kuuluvad materjaliklassidesse kuni 10.9 (kaasa arvatud) ning seibikõvadusklassi 200 HV ja 300 HV.	Scope:
---	----------------------

ICS 21.060.30

Võtmesõnad: kinnitusdetailid, kõvadus, lameseibid, mõõtmed, seibid, tehnilised andmed, tähistus

ICS 21.060.10; 21.060.30

Descriptors: Screws, washers, hardness classes.

English version

Screw and washer assemblies with plain washers

Washer hardness classes 200 HV and 300 HV

(ISO 10644 : 1998)

Vis à rondelle plate incorporée –
Rondelles de classes de dureté
200 HV et 300 HV (ISO 10644 : 1998)

Kombi-Schrauben mit flachen Schei-
ben – Härteklassen der Scheiben
200 HV und 300 HV (ISO 10644 : 1998)

This European Standard was approved by CEN on 1998-07-10.

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.

The European Standards exist 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, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the 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 10644 : 1998 Screw and washer assemblies with plain washers – Washer hardness classes 200 HV and 300 HV,

which was prepared by ISO/TC 2 'Fasteners' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 185 'Threaded and non-threaded mechanical fasteners and accessories', the Secretariat of which is held by DIN, 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 February 1999 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 10644 : 1998 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

1 Scope

This International Standard specifies the requirements for metric screw and plain washer assemblies with coarse thread M2 to M12 inclusive, flat seating heads, property classes up to and including 10.9 and washer hardness classes 200 HV and 300 HV.

The plain washers are captive, i. e. prevented from disassembly and free to rotate.

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 898-1:1998, *Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs.*

ISO 1207:1992, *Slotted cheese head screws — Product grade A.*

ISO 1580:1994, *Slotted pan head screws — Product grade A.*

ISO 4014:— ¹⁾, *Hexagon head bolts — Product grades A and B.*

ISO 4017:— ²⁾, *Hexagon head screws — Product grades A and B.*

ISO 4042:— ³⁾, *Fasteners — Electroplated coatings.*

ISO 4762:1997, *Hexagon socket head cap screws.*

ISO 7045:1994, *Pan head screws with type H or type Z cross recess — Product grade A.*

ISO 10673:1998, *Plain washers for screw and washer assemblies — Small, normal and large series — Product grade A.*

1) To be published. (Revision of ISO 4014:1988)

2) To be published. (Revision of ISO 4017:1988)

3) To be published. (Revision of ISO 4042:1989)