

Construction drawings - Simplified representation of concrete reinforcement

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concrete reinforcement

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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| <p>Käesolev Eesti standard EVS-EN ISO 3766:2004 sisaldab Euroopa standardi EN ISO 3766:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.05.2004 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 3766:2004 consists of the English text of the European standard EN ISO 3766:2003.</p> <p>This document is endorsed on 18.05.2004 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>This International Standard specifies the simplified representation of reinforcement of reinforced concrete and in prestressed concrete for use on construction drawings.</p> | <p>Scope:</p> <p>This International Standard specifies the simplified representation of reinforcement of reinforced concrete and in prestressed concrete for use on construction drawings.</p> |
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ICS 01.100.30

Võtmesõnad: concrete structures, drawings, graphic symbols, prestressed concrete, reinforced concrete, technical drawings

English version

Construction drawings

Simplified representation of concrete reinforcement
(ISO 3766 : 2003)

Dessins de construction – Représen-
tation simplifiée des armatures de bé-
ton (ISO 3766 : 2003)

Zeichnungen für das Bauwesen – Ver-
einfachte Darstellung von Bewehrungen
(ISO 3766 : 2003)

This European Standard was approved by CEN on 2003-11-03.

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.

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 Management Centre 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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

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

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

Foreword

International Standard

ISO 3766 : 2003 Construction drawings – Simplified representation of concrete reinforcement, which was prepared by ISO/TC 10 'Technical drawings, product definition and related documentation' of the International Organization for Standardization, has been adopted by CEN/CMC 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 June 2004 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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 3766 : 2003 was approved by CEN as a European Standard without any modification.

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1 Scope

This International Standard specifies the simplified representation and the characterization of reinforcement in reinforced and in prestressed concrete for use in construction drawings. It also establishes a system for the scheduling of reinforced bars, comprising

- a method for specifying dimensions,
- a coding system for bar shapes,
- a schedule of preferred shapes, and
- a shape schedule and bending schedule.

2 Normative references

The following referenced documents are indispensable 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 128-23:1999, *Technical drawings — General principles of presentation — Part 23: Lines on construction drawings*

ISO 10209-4:1999, *Technical product documentation — Vocabulary — Part 4: Terms relating to construction documentation*

3 Requirements to reinforcement construction drawings

The construction parts shall be provided with the main dimensions, the concrete reinforcement shall be drawn and all parts shall be represented unambiguously and clearly in scaled plans, elevations and sections. The representations shall correspond with the indications in the structural calculations and should, where applicable, contain all dimensions required for the construction of the members and the verification of the calculations.

Drawings used for off-site casting and factory production are excepted from this provision.

Reference shall be referred to accessory drawings. For drawings modified later, all concerned drawings shall be modified as well.

The following characterizations (general information and placement information) of the reinforcement bars shall be given on the drawing:

- required concrete strength class, the exposure class and further requirements to the concrete given in reference standards;