



NSAI
Standards

Irish Standard
I.S. EN ISO 3766:2004

Construction drawings - Simplified representation of concrete reinforcement (ISO 3766:2003)

I.S. EN ISO 3766:2004

Incorporating amendments/corrigenda issued since publication:

EN ISO 3766:2003/AC:2004

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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I.S. EN 3766:2004

EUROPEAN STANDARD

EN ISO 3766:2003/AC

NORME EUROPÉENNE

September 2004

EUROPÄISCHE NORM

Septembre 2004

September 2004

ICS 01.100.30

English version
Version Française
Deutsche Fassung

Construction drawings - Simplified representation of concrete reinforcement
(ISO 3766:2003)

Dessins de construction - Représentation
simplifiée des armatures de béton (ISO
3766:2003)

Zeichnungen für das Bauwesen -
Vereinfachte Darstellung von Bewehrungen
(ISO 3766:2003)

This corrigendum becomes effective on 22 September 2004 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 22 septembre 2004 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 22. September 2004 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.



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

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

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Ref. No.: EN ISO 3766:2003/AC:2004 D/E/F

I.S. EN 3766:2004
EN ISO 3766:2003/AC:2004 (E/F/D)

English version

The superseding note on the title page has to read as follows:

Supersedes EN ISO 3766:1999 **and EN ISO 4066:1999**.

The third paragraph of the foreword has to be replaced as follows:

This document supersedes EN ISO 3766:1999 **and EN ISO 4066:1999**.

Version française

La mention de remplacement de la page de titre doit être la suivante:

Remplace EN ISO 3766:1999 **et EN ISO 4066:1999**.

Le troisième paragraphe de l'avant-propos doit être remplacé comme suit:

Le présent document remplace l'EN ISO 3766:1999 **et l'EN ISO 4066:1999**.

Deutsche Fassung

Der Ersatzvermerk der Titelseite ist wie folgt zu ersetzen:

Ersatz für EN ISO 3766:1999 **und EN ISO 4066:1999**.

Der zweite Absatz des Vorworts ist wie folgt zu ersetzen:

Dieses Dokument ersetzt EN ISO 3766:1999 **und EN ISO 4066:1999**.

I.S. EN 3766:2004

EUROPEAN STANDARD

EN ISO 3766

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN ISO 3766:1999

English version

Construction drawings - Simplified representation of concrete reinforcement (ISO 3766:2003)

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This European Standard was approved by CEN on 3 November 2003.

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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 Management Centre has the same status as the official versions.

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

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

EN ISO 3766:2003 (E)

Foreword

This document (EN ISO 3766:2003) has been prepared by Technical Committee ISO/TC 10 "Technical drawings, product definition and related documentation" in collaboration with CMC.

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 2004, and conflicting national standards shall be withdrawn at the latest by June 2004.

This document supersedes EN ISO 3766:1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

NOTE FROM CMC The foreword is susceptible to be amended on reception of the German language version. The confirmed or amended foreword, and when appropriate, the normative annex ZA for the references to international publications with their relevant European publications will be circulated with the German version.

Endorsement notice

The text of ISO 3766:2003 has been approved by CEN as EN ISO 3766:2003 without any modifications.

I.S. EN 3766:2004

INTERNATIONAL STANDARD

ISO 3766

Third edition
2003-12-15

Construction drawings — Simplified representation of concrete reinforcement

*Dessins de construction — Représentation simplifiée des armatures de
béton*



Reference number
ISO 3766:2003(E)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 3766 was prepared by Technical Committee ISO/TC 10, *Technical product documentation*, Subcommittee SC 8, *Construction documentation*.

This third edition cancels and replaces the second edition (ISO 3766:1995) and ISO 4066:1994, which have been technically revised.

Construction drawings — Simplified representation of concrete reinforcement

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;

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