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NSAI Standards

Irish Standard
I.S. EN ISO 3266:2010&A1:2015

Forged steel eyebolts grade 4 for general lifting purposes (ISO 3266:2010)

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EN ISO 3266:2010/A1:2015

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National Foreword

I.S. EN ISO 3266:2010&A1:2015 is the adopted Irish version of the European Document EN ISO 3266:2010, Forged steel eyebolts grade 4 for general lifting purposes (ISO 3266:2010)

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 3266:2010/A1

December 2015

ICS 53.020.30

English Version

Forged steel eyebolts grade 4 for general lifting purposes (ISO 3266:2010/Amd 1:2015)

Anneaux à tige de classe 4 en acier forgé pour applications générales de levage (ISO 3266:2010/Amd 1:2015)

Geschmiedete Ringschrauben aus Stahl, Güteklasse 4, für allgemeine Hebezwecke (ISO 3266:2010/Amd 1:2015)

This amendment A1 modifies the European Standard EN ISO 3266:2010; it was approved by CEN on 15 November 2015.

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European foreword

This document (EN ISO 3266:2010/A1:2015) has been prepared by Technical Committee ISO/TC 111 "Round steel link chains, chain slings, components and accessories" in collaboration with Technical Committee CEN/TC 168 “Chains, ropes, webbing, slings and accessories - Safety” the secretariat of which is held by BSI.

This Amendment to the European Standard EN ISO 3266:2010 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2016, and conflicting national standards shall be withdrawn at the latest by June 2016.

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NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 3266

May 2010

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Annex ZA (informative) Relationship between this International Standard and the Essential Requirements of EU Directive 2006/42/EC 4

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Foreword

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For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document.

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Annex ZA
(informative)

Relationship between this International Standard and the Essential Requirements of EU Directive 2006/42/EC

This International Standard has been prepared under a mandate given to CEN by the European Commission the European Free Trade Association to provide one means of conforming to Essential Requirements of the New Approach Directive 2006/42/EC.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

Table ZA.1 — Correspondence between this International Standard and Directive 2006/42/EC

Clauses/subclauses of this International Standard	Essential Requirements (ERs) of EU Directive 2006/42/EC	Qualifying remarks/Notes
1	4.1	
5, 6, 7, 8, 9, 10, 12, 13	4.1.2.5 d), f)	
14, 15	4.3.2	CE marking is mandatory
16	4.4.1	

WARNING: Other requirements and other EU Directives may be applicable to the products falling within the scope of this standard.

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INTERNATIONAL STANDARD

ISO 3266

Second edition
2010-05-01

Forged steel eyebolts grade 4 for general lifting purposes

Anneaux à tige de classe 4 en acier forgé pour applications générales de levage

Reference number
ISO 3266:2010(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.

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ISO 3266 was prepared by Technical Committee ISO/TC 111, *Round steel link chains, chain slings, components and accessories*, Subcommittee SC 3, *Components and accessories.*

This second edition cancels and replaces the first edition (ISO 3266:1984), which has been technically revised.

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Introduction

This document is a type-C standard as stated in ISO 12100.

The equipment concerned as well as the extent to which hazards, hazardous situations and hazardous events are covered are indicated in the scope of this International Standard.

When provisions of this type-C standard are different from those which are stated in type-A or type-B standards, the provisions of this type-C standard take precedence over the provisions of the other standards, for equipment that have been designed and built according to the provisions of this type-C standard.

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Forged steel eyebolts grade 4 for general lifting purposes

1 Scope

This International Standard specifies the general characteristics, performance and critical dimensions necessary for interchangeability and compatibility with other components, of forged steel eyebolts grade 4 for general lifting purposes. These eyebolts can be used for axial and inclined loading.

This International Standard specifies the dimensions of the eyes of eyebolts permitting direct connection with shackles of the same working load limit as those defined in ISO 2415. These dimensions also allow designs with a larger eye which can permit direct connection with sling hooks of similar working load limit.

This International Standard covers all significant hazards, hazardous situations and events relevant to eyebolts grade 4 as defined in Clause 4.

This International Standard is applicable to eyebolts grade 4 for use in the temperature range of −20 ºC to 200 ºC.

This International Standard is not applicable to eyebolts which are not forged in one piece.

This International Standard is not applicable to forged steel eyebolts grade 4 manufactured before the date of its publication as an International Standard.

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 148-1, *Metallic materials — Charpy pendulum impact test — Part 1: Test method*

ISO 148-2, *Metallic materials — Charpy pendulum impact test — Part 2: Verification of testing machines*

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

ISO 643, *Steels — Micrographic determination of the apparent grain size*

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

ISO 6506-1, *Metallic materials — Brinell hardness test — Part 1: Test method*

ISO 6508-1, *Metallic materials — Rockwell hardness test — Part 1: Test method (scales A, B, C, D, E, F, G, H, K, N, T)*

ISO 7500-1:2004, *Metallic materials — Verification of static uniaxial testing machines — Part 1: Tension/compression testing machines — Verification and calibration of the force-measuring system*

ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories*

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