



NSAI
Standards

Irish Standard
I.S. EN 1337-4:2004

Structural bearings - Part 4: Roller bearings

I.S. EN 1337-4:2004

Incorporating amendments/corrigenda issued since publication:
EN 1337-4:2004/AC:2007

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

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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Structural bearings - Part 4: Roller bearings

Appareils d'appui structuraux - Partie 4:
Appuis à rouleau

Lager im Bauwesen - Teil 4: Rollenlager

This corrigendum becomes effective on 14 February 2007 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 14 février 2007 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 14. Februar 2007 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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I.S. EN 1337-4:2004

EN 1337-4:2004/AC:2007 (E/F/D)

English version

6.7.1

Delete "(see also 6.10.3 of EN 1337-1:2000)." from the last sentence.

French version

6.7.1

Dans la dernière phrase, supprimer "(voir aussi 6.10.3 dans EN 1337-1:2000).".

Deutsche Fassung

6.7.1

Lösche im Letzen Satz "(siehe auch EN 1337-1:2000, 6.10.3).".

ICS 91.010.30

English version

Structural bearings - Part 4: Roller bearings

Appareils d'appui structuraux - Partie 4: Appuis à rouleau

Lager im Bauwesen - Teil 4: Rollenlager

This European Standard was approved by CEN on 2 February 2004.

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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 Central Secretariat has the same status as the official versions.

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Foreword

This document (EN 1337-4:2004) has been prepared by Technical Committee CEN /TC 167, "Structural bearings", the secretariat of which is held by UNI.

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 2004, and conflicting national standards shall be withdrawn at the latest by January 2006.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative annex ZA, which is an integral part of this document.

The European Standard EN 1337 "Structural bearings" consists of the following 11 parts:

- Part 1 General design rules
- Part 2 Sliding elements
- Part 3 Elastomeric bearings
- Part 4 Roller bearings
- Part 5 Pot bearings
- Part 6 Rocker bearings
- Part 7 Spherical and cylindrical PTFE bearings
- Part 8 Guide bearings and restrain bearings
- Part 9 Protection
- Part 10 Inspection and maintenance
- Part 11 Transport, storage and installation

Annex A is normative and annex B is informative.

This document includes a Bibliography.

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

1 Scope

This part of EN 1337 specifies the requirements for the design and manufacture of single and multiple roller bearings, in which the roller axis is horizontal. In order to accommodate displacements parallel to the roller axis roller bearings can be combined with sliding elements in accordance with EN 1337-2. To permit rotation about the axis perpendicular to the roller axis or about both axes, as for multiple roller bearings, the roller bearings can be combined with bearings from other parts of EN 1337.

This part of EN 1337 does not apply to roller bearings made with materials other than those specified in clause 5.

Bearings which are subjected to rotation greater than 0,05 rad resulting from the characteristic combination of actions are outside the scope of this part of EN 1337.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 1337-1:2000, *Structural bearings — Part 1: General design rules.*

EN 1337-2:2004, *Structural bearings — Part 2: Sliding elements.*

EN 1337-7; *Structural bearings - Part 7: Spherical and cylindrical PTFE bearings.*

EN 1337-9:1997, *Structural bearings — Part 9: Protection.*

EN 1337-10, *Structural bearings — Part 10: Inspection and maintenance.*

EN 1990; *Eurocode - Basis of structural design.*

ENV 1992-1-1; *Eurocode 2: Design of concrete structures - Part 1: General rules and rules for buildings.*

ENV 1993-1-1; *Eurocode 3: Design of steel structures - Part 1-1: General rules and rules for buildings.*

EN 10025, *Hot rolled products of non-alloy structural steels — Technical delivery conditions.*

EN 10083-1, *Quenched and tempered steels — Part 1: Technical delivery conditions for special steels.*

EN 10083-2, *Quenched and tempered steels — Part 2: Technical delivery condition for unalloyed quality steels.*

EN 10088-2, *Stainless steels — Part 2: Technical delivery conditions for sheet/plate and strip for general purposes.*

EN 10160, *Ultrasonic testing of steel flat product of thickness equal or greater than 6 mm (reflection method).*

EN 10204, *Metallic products — Types of inspection documents.*

EN ISO 4287; *Geometrical product specifications (GPS) - Surface texture: Profile method - Terms, definitions and surface texture parameters (ISO 4287:1997).*

EN ISO 6506-1, *Metallic materials - Brinell hardness test - Part 1: Test method (ISO 6506-1:1999).*

ISO 3755, *Cast carbon steels for general engineering purposes.*

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