

SLOVENSKI STANDARD**kSIST prEN 1337-1:2011****01-november-2011****Konstrukcijska ležišča - 1. del: Splošna pravila za projektiranje**

Structural bearings - Part 1: General design rules

Lager im Bauwesen - Teil 1: Allgemeine Regelungen

Appareils d'appui structuraux - Partie 1 : Indications générales

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English Version

Structural bearings - Part 1: General

Appareils d'appui structuraux - Partie 1: Indications générales

Lager im Bauwesen - Teil 1: Allgemeine Regelungen

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (FprEN 1337-1:2011) has been prepared by Technical Committee CEN/TC 167 "Structural bearings", the secretariat of which is held by UNI.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN 1337-1:2000.

EN 1337 Structural bearings consists of the following 8 parts:

- Part 1: General;
- 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: Guided bearings and restrained bearings.

The main changes with respect to the previous edition are given in Annex H.

FprEN 1337-1:2011 (E)

1 Scope

This part of this European Standard specifies general rules for design, manufacturing, protection, transport, storage, installation, and inspection of structural bearings for use in bridges and other structures, e.g. buildings.

This European Standard does not give rules for

- bearings subjected to uplift;
- bearings for the specific moving function of moveable bridges (for example bascule bridges, lift bridges etc);
- concrete hinges.

It may be used for guidance in the case of temporary bearings and the principles may be applied to the design and manufacture of other types of structural bearings not included in this European Standard.

If bearings are used as or as part of anti-seismic devices with the aim of modifying the dynamic response of the structure, EN 15129 also applies.

NOTE The informative Annex H may give background information.

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.

EN 1090-2:2008, *Execution of steel structures and aluminium structures — Part 2: Technical requirements for steel structures*

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

EN 1337-3:2005, *Structural bearings — Part 3: Elastomeric bearings*

EN 1337-4, *Structural bearings — Part 4: Roller bearings*

EN 1337-5, *Structural bearings — Part 5: Pot bearings*

EN 1337-6, *Structural bearings — Part 6: Rocker bearings*

EN 1337-7, *Structural bearings — Part 7: Spherical and cylindrical PTFE bearings*

EN 1337-8, *Structural bearings — Part 8: Guide Bearings and Restraint Bearings*

EN 1990:2002, *Eurocode — Basis of structural design*

EN 1991-1-5:2003, *Eurocode 1: Actions on structures — Part 1-5: General actions — Thermal actions*

EN 1992-1-1, *Eurocode 2: Design of concrete structures — Part 1-1: General rules and rules for buildings*

EN 1992-1-2, *Eurocode 2: Design of concrete structures — Part 1-2: General rules - Structural fire design*