

Mechanical vibration and shock — Guidance on safety aspects of tests and experiments with people —

Part 1: Exposure to whole-body mechanical vibration and repeated shock

The European Standard EN ISO 13090-1:1998 has the status of a
British Standard

ICS 13.160

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National foreword

This British Standard is the English language version of EN ISO 13090-1:1998. It is identical with ISO 13090-1:1998.

The UK participation in its preparation was entrusted by Technical Committee GME/21, Mechanical vibration and shock, to Subcommittee GME/21/6, Human exposure to mechanical vibration and shock, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

Attention is drawn to the fact that CEN and CENELEC standards normally include an annex which lists normative references to international publications with their corresponding European publications. The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN ISO title page, page 2, the ISO title page, pages ii to iv, pages 1 to 16 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

This British Standard, having been prepared under the direction of the Engineering Sector Board, was published under the authority of the Standards Board and comes into effect on 15 August 1998

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English version

**Mechanical vibration and shock — Guidance on safety
aspects of tests and experiments with people —
Part 1: Exposure to whole-body mechanical vibration and
repeated shock**

(ISO 13090-1:1998)

Vibrations et chocs mécaniques — Lignes directrices concernant les aspects de sécurité des essais et des expérimentations réalisés sur des sujets humains — Partie 1: Exposition de l'ensemble du corps aux vibrations mécaniques et aux chocs répétés (ISO 13090-1:1998)

Mechanische Schwingungen und Stöße — Leitfaden zur Sicherheit von Prüfungen und Versuchen mit Menschen — Teil 1: Einwirkung von mechanischen Ganzkörper-Schwingungen und wiederholten Stößen (ISO 13090-1:1998)

This European Standard was approved by CEN on 14 May 1998.

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 Central Secretariat or to any CEN member.

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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CEN

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

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Foreword

The text of the International Standard ISO 13090-1:1998 has been prepared by Technical Committee ISO/TC 108 “*Mechanical vibration and shock*” in collaboration with Technical Committee CEN/TC 231 “*Mechanical vibration and shock*”, the secretariat of which is held by DIN.

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 December 1998, and conflicting national standards shall be withdrawn at the latest by December 1998.

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 13090-1:1998 was approved by CEN as a European Standard without any modification.

NOTE Normative references to International Standards are listed in Annex ZA (normative).

INTERNATIONAL STANDARD

ISO
13090-1

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Mechanical vibration and shock — Guidance on safety aspects of tests and experiments with people —

Part 1:

Exposure to whole-body mechanical vibration and repeated shock

*Vibrations et chocs mécaniques — Lignes directrices concernant
les aspects de sécurité des essais et des expérimentations réalisés sur des
sujets humains —*

*Partie 1: Exposition de l'ensemble du corps aux vibrations mécaniques et
aux chocs répétés*



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Descriptors: Vibration, mechanical shock, humans, experimentation, tests, vibration tests, hazards, safety, general conditions.

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.

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.

International Standard ISO 13090-1 was prepared by Technical Committee ISO/TC 108, *Mechanical vibration and shock*, Subcommittee SC 4, *Human exposure to mechanical vibration and shock*.

ISO 13090 consists of the following parts, under the general title *Mechanical vibration and shock — Guidance on safety aspects of tests and experiments with people*:

- *Part 1: Exposure to whole-body mechanical vibration and repeated shock;*
- *Part 2: Exposure to whole-body impact.*

Annex A to Annex G of this part of ISO 13090 are for information only.