This is a free page sample. Access the full version online.

National Standards Authority of Ireland

TECHNICAL GUIDE

CR 12349:1996

ICS 13.160

National Standards
Authority of Ireland
Dublin 9
Ireland

Tel: (01) 807 3800
Tel: (01) 807 3838

MECHANICAL VIBRATION - GUIDE TO THE HEALTH EFFECTS OF VIBRATION ON THE HUMAN BODY.

This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on:

NO COPYING WITHOUT NSAI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

© NSAI 1996

Price Code G

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free page sample. Access the full version online.

This is a free page sample. Access the full version online.

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

CEN REPORT RAPPORT CEN CEN BERICHT	CR 12349:1996
Date of approval Date d'approbation Annahme-Datum	1996-05-24
Mechanical vibration - Guide to the health effects of vibration on the human body	

To the Members of CEN
Aux Membres du CEN
An die Mitglieder des CEN

1996-06-19

WI: 00231027

Sehr geehrtes Mitglied,

Beiliegend überreichen wir Ihnen in den drei Sprachfassungen den vom Technischen Büro, in Übereinstimmung mit der Geschäftsordnung Teil 2, 2.1.5, angenommenen CEN Bericht.

Wir bitten Sie diesen Bericht in Ihrem nationalen Katalog anzukündigen.

Mit freundlichen Grüßen,

Dear Member,

Please find enclosed the three language versions of this CEN REPORT approved by the Technical Board in accordance with Internal Regulations Part 2, 2.1.5.

You are requested to announce this CEN Report in your national catalogue.

Yours Sincerely,

Cher Membre,

Veuillez trouver ci-joint ce RAPPORT CEN dans les trois langues officielles, comme approuvé par le Bureau Technique, conformément au Règlement Intérieur Partie 2, 2.1.5.

Nous vous prions d'annoncer ce Rapport CEN dans votre catalogue national.

Veuillez agréer, cher Membre, l'expression de nos sentiments distingués

J. REPUSSARD
Secretary General

Enclosures

T1/Rebec

Rue de Stassart, 36 • B-1050 Bruxelles
Tél : +32 2 550 08 11 • Fax : +32 2 550 08 19

This is a free page sample. Access the full version online.

This is a free page sample. Access the full version online.

REPORT
RAPPORT
BERICHT

CR 12349

June 1996

English version

Mechanical vibration - Guide to the health effects of vibration on the human body

Vibrations mécaniques - Guide concernant les effets des vibrations sur la santé du corps humain

Mechanische Schwingungen - Leitfaden über die Wirkung von Schwingungen auf die Gesundheit des Menschen

This CEN REPORT has been prepared by Technical Committee CEN/TC 231 "Mechanical vibration and shock" and has been approved by CEN on 1996-05-24.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation

Europäisches Komitee für Normung

Rue de Stassart 36, B - 1050 Brussels

© CEN 1995 All rights of reproduction and communication in any form and by any means reserved in all countries to CEN and its members

Ref. no. CR 12349:1996 E

This is a free page sample. Access the full version online.

Foreword

This CEN report has been drawn up by Technical Committee CEN/TC 231 "Mechanical vibration and shock", working group 5 "Vibration effects".

Annexes A and B are informative.

Introduction

This CEN report provides a short overview of the current knowledge of the possible effects of vibration on the human body. It is an informative document which presents general background information for the user of the different European Standards on vibration.

Mechanical vibration arises from a wide variety of processes and operations performed in industry, forestry and agriculture, and public utilities. Vibration caused by vehicles, powered processes, hand-held and hand-guided tools, or workpieces can greatly influence the human body. Exposure to harmful vibration can induce several complaints and health disorders, mainly at the upper limbs and the lower back. A comprehensive knowledge of the unwanted effects of vibration on the body is essential to implement appropriate administrative, technical and medical preventive measures.

1 Scope

The aim of this CEN report is to provide information on the possible adverse health effects caused by exposure to vibration at work. The report addresses manufacturers as well as employers and employees using vibrating machinery in order to improve their understanding of the possible health problems arising from occupational exposure to vibration.

This CEN report is limited to the effects on health and does not cover the potential effects of vibration on comfort, human performance or vibration perception. Most of the information on whole-body vibration in this CEN report is based upon data available from research on human response to vibration of seated persons. There are only few data on the effects of vibration on persons in standing, reclining or recumbent positions. The information on both hand-transmitted vibration and whole-body vibration is based upon data from laboratory research on acute effects as well as upon data from epidemiologic studies.

Additional information may be obtained from the scientific literature (see annex A).

SAI GLOBAL

This is a free preview. Purchase the entire publication at the link below:

Product Page

Looking for additional Standards? Visit Intertek Inform Infostore

Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation