



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 1032:1997

ICS 13.160
17.160
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**MECHANICAL VIBRATION - TESTING OF
MOBILE MACHINERY IN ORDER TO
DETERMINE THE WHOLE-BODY VIBRATION
EMISSION VALUE - GENERAL**

National Standards
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Dublin 9
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IRISH STANDARD

I.S. EN 1032:1996/A1:1999

ICS 13.160

**MECHANICAL VIBRATION - TESTING OF
MOBILE MACHINERY IN ORDER TO
DETERMINE THE WHOLE-BODY VIBRATION
EMISSION VALUE - GENERAL -
AMENDMENT 1**

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EUROPEAN STANDARD

EN 1032:1996/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 1998

ICS 13.160; 17.160

Descriptors: machinery, tests, vibration, human body, measurements, vibration severity, human factors engineering, work safety, testing conditions, specifications

English version

Mechanical vibration - Testing of mobile machinery in order to determine the whole-body vibration emission value - General - Amendment 1

Vibrations mécaniques - Essai des machines mobiles dans le but de déterminer l'intensité vibratoire transmise à l'ensemble du corps - Généralités - Amendement 1

Mechanische Schwingungen - Prüfverfahren zur Ermittlung der Ganzkörper-Schwingungen von beweglichen Maschinen - Allgemeines - Änderung 1

This amendment A1 modifies the European Standard EN 1032:1996; it was approved by CEN on 22 October 1998.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant 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 amendment 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.

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



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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

This Amendment EN 1032:1996/A1:1998 to EN 1032:1996 has been prepared by Technical Committee CEN/TC 231 "Mechanical vibration and shock", the secretariat of which is held by DIN.

This Amendment to the European Standard EN 1032:1996 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 1999, and conflicting national standards shall be withdrawn at the latest by May 1999.

This Amendment to the European Standard EN 1032:1996 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).

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.

Amend EN 1032:1996 as follows:

Clause 1: *Replace in the first paragraph 1 Hz with 0,5 Hz.*

Clause 2: *Add to the list of normative references*

ISO 2631-1:1997 Mechanical vibration and shock – Evaluation of human exposure to whole-body vibration – Part 1: General requirements

4.3.2: *Delete the last sentence in the first paragraph.*

4.3.2: *Replace the second paragraph with the following*

Different frequency weightings (corresponding to frequency weightings W_k and W_d in ISO 2631-1) are used in the longitudinal direction (z axis, W_k) and in the transverse directions (x and y axes, W_d). The frequency weighting curves are given in figure 2.

Within the nominal frequency band (0,5 Hz to 80 Hz) and one-third octave from the frequency limits, the tolerance of the combined frequency weighting and band limiting shall be ± 1 dB (i. e. in the range from 0,63 Hz to 63 Hz). Outside this range, the tolerance shall be ± 2 dB. One octave outside the nominal frequency band, the attenuation may extend to infinity.

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