



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 12096:1998

ICS 13 160

17 160

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**MECHANICAL VIBRATION - DECLARATION
AND VERIFICATION OF VIBRATION
EMISSION VALUES**

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Údarás um Chaighdeáin Náisiúnta na hÉireann

DECLARATION

OF

SPECIFICATION

ENTITLED

MECHANICAL VIBRATION - DECLARATION AND VERIFICATION OF VIBRATION
EMISSION VALUES

AS

THE IRISH STANDARD SPECIFICATION FOR

MECHANICAL VIBRATION - DECLARATION AND VERIFICATION OF VIBRATION
EMISSION VALUES

NSAI in exercise of the power conferred by section 16 (3) of the National Standards Authority of Ireland Act, 1966 (No. 28 of 1996) and with the consent of the Minister for Enterprise, Trade and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Mechanical vibration - Declaration and verification of vibration emission values) Declaration, 1998.
2. (1) The Specification set forth in the schedule to this declaration is hereby declared to be the standard specification for Mechanical vibration - Declaration and verification of vibration emission values. The Schedule comprises the text of EN 12096:1997.
(2) The said standard specification may be cited as Irish Standard EN 12096:1998 or as I.S. EN 12096:1998.

EUROPEAN STANDARD

EN 12096

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 1997

ICS 13.160; 17.160

Descriptors: safety of machinery, vibration, measurement, vibration severity, maximum value, verification, statistical analysis, ergonomics, human body

English version

Mechanical vibration - Declaration and verification of vibration emission values

Vibrations mécaniques - Déclaration et
vérification des valeurs d'émission vibratoire

Mechanische Schwingungen - Angabe und
Nachprüfung von Schwingungskennwerten

This European Standard was approved by CEN on 1997-07-03. 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.

The European Standards exist 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.

CEN

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

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

Foreword

This European Standard has been prepared by 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 January 1998, and conflicting national standards shall be withdrawn at the latest by January 1998.

This European Standard contains five annexes A to E which are informative.

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.

Introduction

Information on vibration emission of vibrating machinery is needed by users, planners, manufacturers and authorities, for example to comply with the obligations described in the EU Machinery Directives 89/392/EEC and 91/368/EEC. This information is required for comparing the vibration emissions from different products and for assessing the vibration against vibration requirements.

In order for vibration emission values to be useful, uniform methods are necessary for following purposes:

- measurement of the vibration values,
- determination of the declared vibration emission value,
- presentation of the declared vibration emission value,
- verification of the declared vibration emission value.

The statistical methods used for declaration and verification in this European Standard are equivalent to those used in acoustics (see EN 27574).

NOTE: This note concerns German words for "declaration" and "verification".

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