

# Mechanical vibration and shock — Resilient mounting systems —

**Part 1: Technical information to be  
exchanged for the application of  
isolation systems**

ICS 17.160

# National foreword

This British Standard reproduces verbatim ISO 2017-1:2005 and implements it as the UK national standard. It supersedes BS 6414:1983 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee GME/21, Mechanical vibration and shock, to Subcommittee GME/21/5, Vibration of machines, 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

The British Standards which implement international publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

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## Summary of pages

This document comprises a front cover, an inside front cover, the ISO title page, pages ii to v, a blank page, pages 1 to 17 and a back cover.

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# INTERNATIONAL STANDARD

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## **Mechanical vibration and shock — Resilient mounting systems —**

Part 1:

### **Technical information to be exchanged for the application of isolation systems**

*Vibrations et chocs mécaniques — Systèmes de montage résilients —*

*Partie 1: Informations techniques à échanger pour l'application  
des systèmes d'isolation*





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## Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 2017-1 was prepared by Technical Committee ISO/TC 108, *Mechanical vibration and shock*.

This first edition of ISO 2017-1, together with ISO 2017-2, cancels and replaces ISO 2017:1982, which has been technically revised.

ISO 2017 consists of the following parts, under the general title *Mechanical vibration and shock — Resilient mounting systems*:

- *Part 1: Technical information to be exchanged for the application of isolation systems*
- *Part 2: Technical information to be exchanged for the application of vibration isolation associated with railway systems*

## Introduction

This International Standard is limited to the consideration of resilient devices.

Some suppliers of shock and vibration isolators (resilient mounts) have experience covering a wide variety of applications. In most instances, they are willing to use this background information for solving the user's problems with isolators. However, it is frequently difficult for the supplier to provide this service, because the customer, the user or the producer of the vibration source or receiver has not furnished sufficient information regarding the application.

On the other hand, the user is sometimes handicapped in applying isolators properly because the supplier does not furnish sufficient technical information. Consequently, the users must conduct their own experimental evaluation of the isolator and may unknowingly duplicate work already carried out by the supplier.

With some vibration sources or receivers, the producer provides the isolating system. To do that, the producer needs all the information from the customer relating to the future application, site and environment.

This International Standard is intended to serve as guide for the exchange of technical information between the customer, the supplier of resilient devices, and the producer of vibration sources or receivers, as required for their proper application.

