



BSI Standards Publication

Elastomeric seismic-protection isolators

Part 4: Guidance on the application of ISO 22762-3

National foreword

This Published Document is the UK implementation of ISO/TS 22762-4:2019. It supersedes PD ISO/TS 22762-4:2014, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PRI/73, Industrial rubber products.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Elastomeric seismic- protection isolators —

Part 4: Guidance on the application of ISO 22762-3

*Appareils d'appuis structuraux en élastomère pour
protection sismique —*

Partie 4: Lignes directrices pour l'application de l'ISO 22762-3



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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 4, *Products (other than hoses)*.

This second edition cancels and replaces the first edition (ISO/TS 22762-4:2014), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the number of the pieces in [Clause 6](#) has been amended;
- the temperature has been changed from 20 °C to 23 °C.

A list of all parts in the ISO 22762 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Elastomeric seismic-protection isolators —

Part 4:

Guidance on the application of ISO 22762-3

1 Scope

This document provides guidance on ISO 22762-3:2018. It includes examples of design calculations, and provides data on the characteristics obtained from all types of elastomeric isolators.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 22762-1:2018, *Elastomeric seismic-protection isolators — Part 1: Test methods*

ISO 22762-3:2018, *Elastomeric seismic-protection isolators — Part 3: Applications for buildings — Specifications*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 22762-3:2018 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

4 Guidance on the use of Clause 4 of ISO 22762-3:2018

No guidance is given.

5 Guidance on the use of Clause 5 of ISO 22762-3:2018

No guidance is given.

6 Guidance on the use of Clause 6 of ISO 22762-3:2018

6.1 General

Guidance is given for [6.2](#), [6.4](#), and [6.5](#).

6.2 Type tests and routine tests

An example of the scaled test pieces (scales A and B) for the type testing of the specific isolator size is given as follows.

Dimensions and properties of target isolator (isolator-X) are shown in [Table 1](#).