



BSI Standards Publication

Elastomeric seismic-protection isolators

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

National foreword

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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).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 4, *Products (other than hoses)*.

ISO 22762 consists of the following parts, under the general title *Elastomeric seismic-protection isolators*:

- *Part 1: Test methods*
- *Part 2: Applications for bridges — Specifications*
- *Part 3: Applications for buildings — Specifications*
- *Part 4: Guidance on the application of ISO 22762-3 [Technical Specification]*

Elastomeric seismic-protection isolators —

Part 4:

Guidance on the application of ISO 22762-3

1 Scope

This Technical Specification provides guidance on the use of ISO 22762-3:2010. It includes example design calculations and provides data on the characteristics obtained from all types of elastomeric isolators.

2 Normative references

The following documents, in whole or in part, are normatively referenced by this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 22762-1:2010, *Elastomeric seismic-protection isolators — Part 1: Test methods*

ISO 22762-3:2010, *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 22762-3:2010 apply.

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

No guidance is given.

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

No guidance is given.

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

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](#).