

# ISO/TR 22762-7:2024-07 (E)

## Elastomeric seismic-protection isolators - Part 7: Relationship of the ISO 22762 series to the design and testing of seismic isolation systems

---

<b>Contents</b>		<b>Page</b>
<b>Foreword</b> .....		<b>iv</b>
<b>Introduction</b> .....		<b>v</b>
<b>1 Scope</b> .....		<b>1</b>
<b>2 Normative references</b> .....		<b>1</b>
<b>3 Terms and definitions</b> .....		<b>1</b>
<b>4 Symbols</b> .....		<b>3</b>
<b>5 Structure of ISO 22762 from perspective of relationship with this document</b> .....		<b>4</b>
<b>6 Application of ISO 22762 to the testing and design requirements of elastomeric isolators given in building codes</b> .....		<b>5</b>
6.1 General.....		5
6.2 Correspondence between seismic codes and ISO 22762: Key design terms and definitions.....		5
6.3 Correspondence between seismic codes and ISO 22762: Testing.....		6
6.3.1 Qualification tests.....		6
6.3.2 Prototype tests.....		6
6.3.3 Production tests.....		7
6.4 Determination of property modification factors.....		8
6.5 Differences in property definitions between seismic codes and ISO 22762.....		9
<b>Annex A (informative) Comparison table of requirements for isolators in ISO 22762-6 and EN 15129</b> .....		<b>10</b>
<b>Annex B (informative) Examples of test data by ISO 22762 corresponding to typical prototype tests specified in seismic codes</b> .....		<b>14</b>
<b>Annex C (informative) Examples of test data by ISO 22762 for determination of property modification factors specified in seismic codes</b> .....		<b>32</b>
<b>Annex D (informative) An example of differences in measured value of properties for HDR due to differences in definition formulae of seismic code (ASCE/SEI 7-22) and ISO 22762</b> .....		<b>39</b>
<b>Bibliography</b> .....		<b>40</b>