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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 38387-2025

Replacing GB/T 38387-2019

Noise-reducing rubber expansion joint devices for bridges

桥梁橡胶降噪伸缩装置

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 38387-2019 "Rubber Noise Reduction Expansion Joints for Bridges". Compared with GB/T 38387-2019, except for structural adjustments... Aside from integration and editorial changes, the main technical changes are as follows:

---The category has been changed (see 4.1.1,

3.1.1 in the.2019 version);

---The structural form of the Type A telescopic device has been changed (see 4.2.1.1,

3.2.1 in the.2019 version);

---The structural form of the A-II type expansion joint has been added (see 4.2.1.2);

---The structural form of the Type B telescopic device has been changed (see 4.2.2,

3.2.2 in the.2019 version);

---The structure and connection method of some expansion joint rubber sealing strips have been modified (see 4.2.3,

3.2.1.2 in the.2019 version). 3.2.2.4);

---The specification requirements for telescopic devices have been removed (see

3.4.1 in the.2019 version);

---The requirements for the deformation performance of the expansion joint have been

changed (see 5.1.2,

1 Scope

GB/T 38387-2025 is the Chinese national standard covering the expansion joint that does not bang - the rubber elements that absorb the wheel impact, the movement range and the load rating, the water tightness and the fatigue life of a component every vehicle crossing the bridge strikes. Issued on 2 December 2025, it has been in force since 1 July 2026, replacing GB/T 38387-2019.

This document provides information on the product classification, structural forms, and models of bridge rubber noise reduction expansion joints (hereinafter referred to as "expansion joints"). The document specifies the technical requirements, inspection rules, and the contents of marking, packaging, transportation and storage, and describes the corresponding test methods. This document applies to the design, production, inspection, and use of rubber noise reduction expansion joints for bridges with an expansion range of 3000mm and below.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 528 Determination of tensile stress-strain properties of vulcanized rubber or thermoplastic rubber

GB/T 699 High-quality carbon structural steel

GB/T 700 Carbon Structural Steel

GB/T 985.1 Recommended bevels for gas welding, shielded metal arc welding, gas shielded welding and high energy beam welding

GB/T 1184-1996 Geometric Tolerances - Tolerances without Specified Values GB/T 1222 Spring Steel

GB/T 1231 High-strength large hexagonal head bolt assemblies for steel structures

GB/T 1591 Low-alloy high-strength structural steel

GB/T 1682-2014 Determination of Low-Temperature Brittleness of Vulcanized Rubber - Single Sample Method

GB/T 1690 Test methods for resistance to liquids in vulcanized or thermoplastic rubbers

GB/T 1804-2000 General tolerances - Tolerances for linear and angular dimensions without specified tolerances

GB/T 3512 Accelerated aging and heat resistance test of vulcanized rubber or thermoplastic rubber in hot air

GB/T 3785.1-2023 Electroacoustic sound level meters - Part

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