

ICS 47.020.20

CCS U 48



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

GB/T 12922-2025

Replacing GB/T 12922-2008

Elastic damping leaf coupling

弹性阻尼簧片联轴器

Issued on: June 30, 2025

Implemented on: January 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document replaces GB/T 12922-2008 "Elastic Damping Spring Coupling". Compared with GB/T 12922-2008, except for the structural adjustment Besides the editorial changes, the main technical changes are as follows:

- a) The scope of application of this document has been changed (see Chapter 1, Chapter 1 of the.2008 edition);
- b) The marking method of the coupling has been changed (see 4.2.1, 4.3.1 of the.2008 edition);
- c) The basic parameter requirements for couplings have been changed (see 5.2, 4.4 of the.2008 edition);
- d) Deleted the permissible ambient temperature (4.6 of the.2008 edition);
- e) Added weight requirements (see 6.3);
- f) The material selection criteria for the main parts of the coupling have been changed (see 6.4.1, 5.4.1 of the.2008 edition);
- g) The static torsional stiffness requirements of the coupling have been changed (see 6.5.2, 5.5.2 of the.2008 edition);

1 Scope

GB/T 12922-2025 is the Chinese national standard on elastic damping leaf coupling, in the field of shipbuilding and marine structures. The /T suffix marks it as a recommended

standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 30 June 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 January 2026. Classification: ICS 47.020.20, CCS U 48. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document provides the classification and marking, structure and parameters of elastic damping spring coupling (hereinafter referred to as "coupling"), and specifies the The technical requirements, inspection rules, marking, packaging, transportation and storage, etc., describe the corresponding test methods. This document is applicable to power units such as ships, internal combustion locomotives, internal combustion engine generator sets, heavy vehicles and industrial diesel engine power units. It is used to adjust the natural frequency of the torsional vibration of the mechanical system, reduce the amplitude of the resonance, and the allowable ambient temperature is -30°C~85°C. Design, manufacture and acceptance.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 191 Pictorial markings for packaging, storage and transportation

GB/T 1804-2000 General tolerances - Tolerances of linear and angular dimensions without tolerance indications

GB/T 3077-2015 Alloy Structural Steel

GB/T 3098.1-2010 Mechanical properties of fasteners - Bolts, screws and studs

GB/T 9239.1-2006 Mechanical vibration steady-state (rigid) rotor balance quality requirements Part

3 Terms and Definitions

The following terms and definitions apply to this document. 3.1 omega

0 Calculates a characteristic value of the coupling's dynamic torsional stiffness and damping coefficient.

3.2 Cs The torsional stiffness of a coupling under static load.

3.3 The value of the relative torsion angle between the inner and outer components of the coupling under rated torque.

chinastandards.org · PREVIEW