

ICS 13.340.99

CCS C 73



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

GB/T 23469-2009

Replacing GB/T 23469-2009

Fall protection - Connectors

坠落防护 连接器

(English Translation)

Issued on: August 29, 2025

Implemented on: September 1, 2026

**Issued by: State Administration for Market Regulation, National
Standardization Administration**

Table of Contents

Preface
1 Scope
2 Normative references
3 Terms and Definitions
4 Categories
5 Technical Requirements
6 Test Method
7 Inspection Rules
8 Permanent Marking
9 Information provided by the manufacturer
Reference

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 23469-2009 "Fall protection connectors". Compared with GB/T 23469-2009, except for the structural adjustment and in addition to editorial changes, the main technical changes are as follows.

- a) The scope has been changed (see Chapter 1, Chapter 1 of the 2009 edition);
- b) Changed the terms and definitions of connectors (see 3.1, 3.1 of the 2009 edition);
- c) Deleted basic connector, multi-purpose connector, rope end connector, hanging point connector, threaded connector, rotary connector, cable connector Terms and definitions for valves and self-closing valves (3.3 to 3.9, 3.11 of the 2009 edition);
- d) Added the terms and definitions of minimum breaking load (see 3.9);
- e) Added the classification of connectors (see Chapter 4);
- f) Change "General requirements" to "Structure and design" (see 5.1, Chapter 4 of the 2009 edition);
- g) The technical requirements for static strength have been changed (see 5.2, 6.2.3 of the 2009 edition);

- h) Added technical requirements for the static strength of connection parts (see 5.2);
- i) Deleted the classification of connector use locations in Table 1 (see 6.2.3 of the 2009 edition);
- j) Added technical requirements for dynamic performance (see 5.5);
- k) The test method for static strength has been changed (see 6.3, 6.2 of the 2009 edition);
- l) Added inspection rules (see Chapter 7);
- m) The content of "Permanent Marking" has been changed (see Chapter 8, Chapter 7 of the 2009 edition);
- n) Added the content of "Information provided by the manufacturer" (see Chapter 9).

1 Scope

This document specifies the classification, technical requirements, inspection rules, permanent marking and manufacturer-provided information for connectors, and describes the corresponding test procedures.

Try method.

This document applies to connectors used for working at height.

This document does not apply to connectors used in industries such as sports, firefighting, etc.

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 10125 Artificial atmosphere corrosion test Salt spray test GB/T 12903 Terminology of Personal Protective Equipment GB 24543 Fall protection safety rope

3 Terms and Definitions

The terms and definitions defined in GB/T 12903 and the following apply to this document.

connector

Components used to connect and separate components in a system.

Self-closing connector Connector with self-closing valve.

gate

Parts used to open and close connectors.

Note: There are many forms such as rotation and sliding.

Self-locking gate

Automatic locking door.

Locking feature

Automatically or manually prevent the valve from being opened accidentally.

gateopening

The width of the connector flap opening when open.