

ICS 97.180
CCS Y 50



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

GB/T 39023-2025

Replacing GB/T 39023-2020

**Writing and marking instruments - Specification for caps to
reduce the risk of asphyxiation**

书写和记号工具 降低窒息风险的笔套规范

(English Translation)

Issued on: May 30, 2025

Implemented on: May 30, 2025

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

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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 39023-2020 "Specification for writing and marking instrument covers to reduce the risk of choking" and is compatible with GB/T 39023- Compared with 2020, except for structural adjustments and editorial changes, the main technical content has not changed.

This document is equivalent to ISO 11540:2021 "Specification for writing and marking instrument covers to reduce the risk of choking".

1 Scope

This document specifies requirements for covers for writing and marking instruments to reduce the risk of choking.

This document applies to writing and marking instruments that are normally or foreseeably used by children aged 14 years and under.

This document does not apply to the following products or parts.

---Writing and marking instruments designed for adults or intended for adults only, such as jewelry pens, expensive fountain pens, professional technical pens, etc.;

---Protective cover for the pen refill.

2 Normative references

This document has no normative references.

3 Terms and definitions

The following terms and definitions apply to this document.

ISO and IEC maintain terminology databases used for standardization at the following websites.

3.1

The utility model discloses a writing and marking utensil with a removable pen cover and a water storage structure for storing ink or other marking liquids.

3.2 Pen cap

A removable component used to protect the writing and marking tip or nib when the pen is not in use.

4.1 General

The pen cover shall comply with at least one of the requirements in 4.2 or 4.3.

4.2 Pen Cap Size

When the pen cap, under its own weight, vertically enters the annular gauge with a diameter of 16.05 ± 0.05 mm and a thickness of not less than 19 mm along the axial direction
When the pen cap is not inserted into the ring gauge, the length of the pen cap should be at least 5 mm, see Figure 1.

NOTE: Pen caps complying with this clause are considered large enough not to present an aspiration hazard.

4.3 Pen cap air flow

Carry out the test according to Appendix A at room temperature. When the maximum pressure difference is 1.33 kPa, the air flow rate through the pen cover should be at least 8 L/min.