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

GB/T 47579-2026

**Aerospace - Spring sheet metal retainers for self-locking barrel
nuts**

航空航天 桶形自锁螺母用弹性金属保持架

(English Translation)

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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".

This document is modified to adopt ISO 12280:1999 "Dimensions for aerospace cages, elastic, sheet metal and self-locking barrel nuts".

This document has undergone the following structural adjustments compared to ISO 12280:1999.

---A new Chapter 3, "Terminology and Definitions," has been added;

---Added "Tag Examples" for easier use.

The technical differences between this document and ISO 12280:1999, and the reasons therefor, are as follows.

---Considering the applicable scenario of this document, Chapter 1 will change "This document is only applicable to the preparation of aerospace product standards" to "This document..." "Design of resilient metal cages for aerospace barrel-shaped self-locking nuts as specified in ISO 12278";

---The representation of the structure diagram has been changed (see Figure 1). "Code A" and "Code B" in Figure 1 have been deleted. The captions and superscript letters have been changed.

The explanation is more in line with the drafting habits of the domestic industry;

---The method of representing letters in structural dimensions has been changed (see Figure 1 and Table 1) to better conform to the labeling habits of the domestic industry. The following editorial changes have been made to this document.

---The standard name has been changed to "Elastic Metal Cage for Aerospace Barrel-Shaped Self-Locking Nuts";

---Change Chapter 4, "Dimensions and tolerances are expressed in millimeters," to add units to Table 1.

1 Scope

This document specifies the structure and dimensions of the resilient metal cage for barrel-shaped self-locking nuts as defined in ISO 12278.

This document applies to the design of resilient metal cages for aerospace barrel-shaped self-locking nuts as specified in ISO 12278.

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 to this document.

ISO 12278 Aerospace nuts, barrel type, self-locking, freewheeling, self-aligning, with MJ thread, grade. 900MPa (at ambient temperature)

(Under)/235°C, 1100MPa (at ambient temperature)/235°C, 1250MPa (at ambient temperature)/235°C and 1550MPa (at ambient temperature)/235°C (under ambient temperature)/235 °C Dimensions

[Aerospace-Nuts,barrel,self-locking,floating,self-aligning,with MJ] [ture)/235°C-Dimensions]

3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.

The structure and dimensions of the cage shall conform to the specifications in Figure 1 and Table 1, and are applicable to any dimensions after surface coating treatment.