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

GB/T 42095-2022

**Self-locking two lug anchor self-aligning floating nuts with MJ
threads for aerospace**

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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 is modified to adopt ISO 12273.2010 "Aerospace nuts, pallets, self-locking, swimming, self-aligning, double lugs, MJ thread,

900MPa (at ambient temperature)/235°C, 900MPa (at ambient temperature)/315°C and 900MPa (at ambient temperature)/425°C

size".

A chapter "Terms and Definitions" has been added to this document.

The technical differences between this document and ISO 12273.2010 and their reasons are as follows.

---Modified the representation form of the structural diagram (see Figure 1), which is more in line with the drawing habits of the domestic industry;

---Modify the representation of letters in the structural dimensions (see Figure 1 and Table 1) and the order of letters in the table (see Table 1), which is more in line with national

The labeling habits of the industry.

The following editorial changes have been made to this document.

--- In order to coordinate with the existing standard, change the name of the standard to "Swimming self-aligning and self-locking nut with MJ thread double lug support plate for aerospace";

--- Changed the "note" in the scope to "footnote";

--- Deleted footnote b in Table 1.

1 Scope

This document specifies the structure and dimensions of the self-aligning self-aligning self-locking nuts (hereinafter referred to as "nuts") for MJ thread double lug brackets used in aerospace.

inch, and the strength grades are 900MPa1)/235 degrees C2), 900MPa1)/315 degrees C2) and 900MPa1)/425 degrees C2).

This document is applicable to the design of self-aligning and self-locking nuts for MJ thread double lug brackets for aerospace.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references

For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

this document.

ISO 5855-2 Aerospace MJ threads Part 2.Limiting dimensions of bolts and nuts (Aerospace-MJthreads-

ISO 8788 Aerospace nuts, metric form and position tolerances (Aerospace-Nuts, metric-Tolerancesofformand

3 Terms and Definitions

This document does not have terms and definitions that need to be defined.

4 Structure and dimensions

The structure and size of the nut shall comply with the regulations in Figure 1 and Table 1.

Dimensions and tolerances apply after any surface coating treatment and before any lubricant.

1) The minimum tensile strength load that a nut can withstand at ambient temperature without failure when tested with a bolt of the highest strength class.

destruction.

2) After the nut is subjected to the highest service temperature, it returns to room temperature without permanently changing its original characteristics. The maximum service temperature depends on the material or

State of surface preparation.

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