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

GB/T 42094-2022

**Self-locking two lug anchor with incremental counterbore
floating nuts with MJ threads for aerospace**

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Table of Contents

- foreword
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Structure and dimensions

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 12272.1998 "Aerospace nuts, backing plates, self-locking, swimming, double lugs, with countersunk holes, MJ screws

Grain, grade. 900MPa (at ambient temperature)/235°C, 900MPa (at ambient temperature)/315°C and 900MPa (at ambient temperature

Down)/425°C Dimensions".

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

The technical differences between this document and ISO 12272.1998 and their reasons are as follows.

--- Deleted ISO 5858 (see Chapter 2 of ISO 12272.1998), the international standard is not commonly used in our country, it should be determined by the user

Requirements to adapt to the technical conditions of our country;

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

---Changed the expression method 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 the 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, the name of the standard is changed to

"Swimming self-locking MJ thread double lug support plate with countersunk head for aerospace

Nuts.

1 Scope

This document specifies the structure of the MJ thread double lug bracket traveling self-locking nut (hereinafter referred to as the self-locking nut) with countersunk head used in aerospace

And size, the strength grade is 900MPa1)/235 degrees C2), 900MPa1)/315 degrees C2) and 900MPa1)/425 degrees C2).

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

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 surface of the nut.

mental state.

This document is applicable to the design of MJ thread lug plate traveling self-locking nuts with countersunk head 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 dimensions of self-locking nuts shall comply with the regulations in Figure 1 and Table 1.

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

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