

ICS 49.030.99

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

GB/T 42255-2022

**Procurement specification of corrosion-resisting steel solid
rivets for aerospace**

Issued on: December 30, 2022

Implemented on: April 1, 2023

**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 is modified to adopt ISO 12289.2016 "Aerospace Rivets, Solid, Corrosion-resistant Steel Procurement Specifications".

Compared with ISO 12289.2016, this document has many technical differences. A vertical single line is used in the blank position on the outer page of the terms involved.

(I) are marked. See Appendix A for a list of these technical differences and their causes.

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

1 Scope

This document specifies the quality assurance regulations, technical requirements, and test methods for stainless steel solid rivets used in aerospace (hereinafter referred to as "rivets").

Law, test report and certificate requirements.

This document is applicable to the design, manufacture, procurement and acceptance of stainless steel solid rivets 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.

GB/T 6394 Determination method for average grain size of metals

HB6444-2002 General specification for rivets

ISO 17057 Aerospace-Rivets, solid-Testmethod

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1

batch

It consists of rivets of the same type, the same diameter and length, the same furnace number material, the same process and heat treatment in the same furnace.

3.2

Rivet wire sample rivetwiresample

A wire sample with a certain length cut from one end of the wire required for the production of rivets.

3.3

Rivet sample rivetsample

A sample taken at random from a batch of rivets.

3.4

crack crack

A well-defined fracture along a metal grain boundary or across grains.

3.5

hairline seam

Axially open surface imperfections.

3.6

folding lap

Surface defects formed by sharp metal corners or chips being squeezed into the fastener surface during machining.