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

GB/T 25821-2023

Replacing GB/T 25821-2010

Stainless steel wire strand

不锈钢钢绞线

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Guidelines for Standardized Documents Part

1. Structure and Drafting Rules of Standardized Documents" Drafting. This document replaces GB/T 25821-2010 "Stainless Steel Strand". Compared with GB/T 25821-2010, except for structural adjustment and editing In addition to sexual changes, the main technical changes are as follows:

- Changed the scope (see Chapter 1, Chapter 1 of the.2010 edition);
- Added the terms and definitions of "stainless steel strand" and "steel strand nominal cross-sectional area" (see 3.1, 3.2);
- Added types of steel strand cross-section structures (see 4.1, 3.1 of the.2010 edition);
- Deleted the 1x3 steel strand section structure type (see 3.1 of the.2010 edition);
- Deleted the 1180MPa strength grade of steel strands (see 3.2 of the.2010 edition);
- Changed the twist direction requirements for the outermost steel wire of the steel strand (see 4.3, 3.3 of the.2010 edition);
- Changed the markup example (see 4.4,.2010 version of 3.4);
- Changed the allowable deviation of steel strand diameter (see Table 3, Table 1 of the.2010 edition);

1 Scope

GB/T 25821-2023 is the Chinese national standard on stainless steel wire strand, in the field of metallurgy. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 6 August 2023 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 March 2024. Classification: ICS 77.140.65, CCS H49. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the classification and marking, ordering content, dimensions, technical requirements, and test methods of stainless steel strands (hereinafter referred to as "steel strands"). laws, inspection rules, packaging, marking and quality certificates. This document applies to stainless steel wires with multiple circular cross-sections (hereinafter referred to as "steel wires"), which are mainly used for building structures and building decoration. Stainless steel strands, stainless steel strands for other uses can be used for reference.

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document.

GB/T 2104 General provisions for packaging, marking and quality certificates of wire ropes

GB/T 4240 stainless steel wire

GB/T 8358 Method for determination of actual breaking tension of steel wire ropes

GB/T 8706 Wire rope terminology, marking and classification

GB/T 24191 Determination method of actual elastic modulus of steel wire rope

3 Terms and definitions

The terms and definitions defined in GB/T 8706, GB/T 24191 and the following apply to this document.

3.1 A steel strand made of a certain number of one or more layers of circular stainless steel wires spirally twisted.

3.2 The sum of the cross-sectional areas of the steel wires calculated based on the nominal

diameter of the steel wires in the strand.

4 Classification and tagging

4.1 The cross-sectional structure of the steel strand is shown in Table

1.If other structures are needed, they can be determined through negotiation between the supply and demand parties.

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