

ICS 53.020.99

CCS J80



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

GB/T 10597-2022

Replacing GB/T 10597-2011

Hoisting hoister

卷扬式启闭机

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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 of Standardization Documents" drafted. This document replaces GB/T 10597-2011 "Winding Hoist", compared with GB/T 10597-2011, except for structural adjustment and editing. In addition to the sexual changes, the main technical changes are as follows:

- a) terms and definitions have been changed (see Chapter 3, Chapter 3 of the.2011 edition);
- b) Change the hoist from the original singleness to the diversity (see Chapter 4, Chapter 4 of the.2011 edition);
- c) On the basis of the original single-speed hoist hoist, a multi-speed hoist hoist is added (see 4.3);
- d) The schematic diagram of the gantry hoist and the basic parameters of the gantry hoist are added [see Figure 4c) and Table 7];
- e) Change the opening and closing speed of the hoist to be divided according to the operating period (see Chapter 5, Chapter 5 of the.2011 edition);
- f) Increased the hoisting capacity of the hoist (see Chapter 5);
- g) The power supply requirements in the working environment conditions of the hoist are added (see 6.1.1);
- h) The performance requirements for the braking system of the hoisting mechanism of the hoist are changed (see 6.3.2, 6.3.2 of the.2011 edition);
- i) Added the requirements for the hoist safety monitoring and management system (see

6.3.17);

j) Added requirements for static load test (see 6.3.19) and dynamic load test (see 6.3.20) of hoists;

k) Changed the requirements for the reel in the main parts of the hoist (see 6.4.5,

1 Scope

GB/T 10597-2022 is the Chinese national standard on hoisting hoister, in the field of materials handling equipment. 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 11 July 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 February 2023. Classification: ICS 53.020.99, CCS J80. 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.

32. Technical Requirements for Hoisting Machinery

1. Uncoated steel The rust grade and treatment grade of the surface and the steel surface after the full removal of the original coating

2 Normative references

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

GB/T 699 High Quality Carbon Structural Steel

GB/T 755 Rotating Electric Motor Rating and Performance

GB/T 1176 Cast copper and copper alloys

GB/T 1184 shape and position tolerances do not note tolerance values

GB/T 1228 High-strength hexagon head bolts for steel structures

GB/T 1229 High-strength hex nuts for steel structures

GB/T 1230 High-strength washers for steel structures

GB/T 1231 Technical Specifications for High Strength Large Hexagon Head Bolts, Large Hexagon Nuts and Washers for Steel Structures

GB/T 1804 General Tolerances Unmarked Tolerances of Linear and Angular Dimensions

GB/T 3181 Paint Film Color Standard

GB/T 3323.1 Nondestructive testing of welds - Radiographic testing - Part

GB/T 3632 Torsional shear type high-strength bolt connection pair for steel structure

GB/T 3811-2008 Crane Design Specification

GB/T 4323 elastic sleeve pin coupling

GB/T 5226.32 Mechanical and Electrical Safety Mechanical and Electrical Equipment Part

GB/T 5272 Plum-shaped elastic coupling

GB/T 5972 Crane wire rope maintenance, maintenance, inspection and scrapping

GB/T 5973 Wedge joint for steel wire rope

GB/T 5974.2 Heavy-duty ferrules for wire ropes

GB/T 5975 Pressure plate for steel wire rope GB/T 5976 Wire rope clip

GB/T 8918 Steel wire ropes for important purposes

GB/T 8923.1 Visual assessment of surface cleanliness of steel surface preparations before coating - Part

GB/T 9286 Paint and varnish cross-cut test