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

GB/T 16956-2020

Replacing GB/T 16956-1997

Container lashing fitting for ships

船用集装箱绑扎件

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1:1-2009: This standard replaces GB/T 16956-1997 "Marine Container Lashing Parts": Compared with GB/T 16956-1997, except for editorial changes In addition, the main technical changes are as follows:

---Modified the scope (see Chapter 1, Chapter 1 of the:1997 edition);

---Updated normative reference documents, adding GB/T 699, GB/T 712, GB/T 1591, GB/T 3077, GB/T 8923:1, GB/T 13912, ISO 17905, delete GB 8162, CB/Z343 (see Chapter 2, Chapter 2 of the:1997 edition);

---Modified the classification, name, code and type of container lashings (see 3:1, 3:1 in:1997 edition);

---Added the joint rod extension rod BB, the anti-dropping joint rod extension rod BC, the joint rod vertical rod BF, and the outer tie rod type rod BG and BH, movable eye plate DA, limit eye plate DD, single guide guide seat EA, double guide guide seat EB for platform, double Guided guide seat EC (see 3:1);

---Deleted lashing products with minimum breaking load of 353kN and 412kN, deleted closed screw buckle, fixed head type tie rod, Double ring tie rod, fixed head joint rod, movable lashing ring, three-hole and four-hole lashing eye plate, embedded lashing seat, lashing hook (see 3:2, 3:3, 3:4, 3:5 of the:1997 edition);

---Adjusted the product parameters and main dimensions (see 3:2, 3:2:1, 3:2:2, 3:2:4, 3:3:3, 3:3:5, 3:4:1, 3:4:3 of the:1997 edition);

- Modified the marking example (see 3:3, 3:6 of the:1997 edition);
- Modified the materials of the main parts of the container lashing parts (see Chapter 4, 4:1 and 4:2 of the:1997 edition), and modified the hot-dip galvanizing process Requirements (see 5:3:1, 4:4 of the:1997 edition), adding rust removal level requirements and paint thickness requirements before painting the surface (see 5:3:2);
- The appearance quality requirements have been revised (see 5:1, 4:2:3 and 4:3 of the:1997 edition);
- Modified the "test method" and "inspection rules": increased the strength test method (see 6:4:1), modified the number of type tests (see 7:2:3, 5:1:1 of the:1997 edition), added inspection items (see 7:2:2);
- Modified the content of the container lashing mark (see Chapter 8,:1997 edition 7:1) and packaging requirements (see Chapter 9,:1997 edition) 7:2);
- Add storage requirements (see 9:4): This standard was proposed and managed by the National Marine Outfitting Standardization Technical Committee (SAC/TC129): Drafting organizations of this standard: Kunshan Jihai Industrial Co., Ltd., Shanghai Zhongsheng Technology and Trade Co., Ltd: The main drafters of this standard: He Chunbiao, Liu Xianxing, Zhu Shantao: The previous versions of the standard replaced by this standard are as follows:
- GB/T 16956-1997: Ship container lashing

1 Scope

GB/T 16956-2020 is the Chinese national standard on container lashing fitting for ships, in the field of shipbuilding and marine structures. 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 14 December 2020 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2021. Classification: ICS 47.020.50, CCS U24. 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 standard specifies the classification, parameters, main dimensions and marking examples, materials and requirements of marine container lashings (hereinafter referred to as lashings): Requirements, inspection and testing, inspection rules, marking, packaging, storage and transportation: This standard applies to the design, manufacture and inspection of lashings:

2 Normative references

The following documents are indispensable for the application of this document: For dated reference documents, only the dated version applies to this article. For undated references, the latest version (including all amendments) applies to this document:

GB/T 699 High-quality carbon structural steel

GB/T 709 Hot-rolled steel plate and strip size, shape, weight and allowable deviation

GB/T 712 Structural steel for ships and marine engineering

GB/T 1591 Low-alloy high-strength structural steel

GB/T 3077 Alloy structural steel

GB/T 6414 Casting dimensional tolerance, geometric tolerance and machining allowance
GB/T 8923:

1 Visual assessment of surface cleanliness of steel surface treatment before coating-Part 1: Uncoated steel The corrosion grade and treatment grade of the surface and the steel surface after the original coating has been completely removed

GB/T 12362 steel die forging tolerance and machining allowance

GB/T 13912 Technical requirements and test methods for hot-dip galvanizing of steel parts with metal covering

ISO 17905:2015 Ships and Ocean Technology Marine Container Securing Device Installation, Inspection and Maintenance (Ships and marine technology-Installation, inspection and maintenance of container securing devices for ships)

3 Classification, parameters and main dimensions and marking examples 3:

1 Classification The classification of lashings is shown in Table 1: Table

1 Classification of binding parts Category name code type Moving parts Screw buckle AA hook type AB double hook AC knot type Extension rod BA ring BB rod type BC Anti-dropping joint rod type