



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

GB/T 40495-2021

**Ships and marine technology - Loose gear for marine lifting
appliances on ships - General technical requirement**

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2013 chapter number comparison list.

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the redrafting law to amend and adopt ISO 16855.2013 ``Removable parts of marine lifting equipment for ships and marine technology

General technical requirements for pieces"

Compared with ISO 16855.2013, this standard has more structural adjustments. Appendix A lists this standard and ISO 16855.

2013 chapter number comparison list.

Compared with ISO 16855.2013, this standard has technical differences.

The set vertical single line (I) is marked, and a list of the corresponding technical differences and their reasons is given in Appendix B.

This standard was proposed and managed by the National Ship Outfitting Standardization Technical Committee (SAC/TC129).

Drafting organization of this standard. Wuhan Marine Machinery Co., Ltd.

1 Scope

This standard specifies the general requirements, design requirements, test requirements, certificates and markings for detachable parts of marine lifting equipment.

This standard applies to the design, selection and manufacture of detachable parts of marine lifting equipment.

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

Pieces. For undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 700 carbon structural steel (GB/T 700-2006, ISO 630.1995, NEQ)

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

GB/T 3893 Shipbuilding and offshore structure deck machinery terms and symbols (GB/T 3893-2008, ISO /FDIS3828.

2007, IDT)

GB/T 4307 Lifting hook terminology (GB/T 4307-2005, ISO 1837.2003, IDT)

GB/T 25854 D-shaped and bow-shaped forged shackles for general lifting (GB/T 25854-2010, ISO 2415.2004, IDT)

3 Terms and definitions

The following terms and definitions defined in GB/T 3893 and GB/T 4307 apply to this document.

3.1

Removable parts loose gear

It is not permanently connected to the marine lifting equipment to bear the load, but it cannot constitute the parts of the lifting equipment alone.

Note. Such as hooks, pulleys, pulleys, shackles, swivels, triangular eye plates, steel cable knots, elastic screw buckles, knotted positioning cables and chains.

3.2

Safe working load

SWL

The detachable parts are designed and tested to verify the maximum load that they can bear.

Note 1. The maximum load that the detachable parts can bear is not less than the safe working load of the lifting equipment in service.

Note 2. The safe working load of detachable parts is different from the safe working load of lifting equipment.

3.3

Hoistfactor

When the lifting equipment is working, the coefficient of the dynamic load effect on the equipment or other parts due to the motion effect.

["Specifications for Lifting Equipment of Ships and Offshore Installations", definition 1.2]

4 General requirements

4.1 Detachable parts, such as hooks, shackles, swivels, etc. should not be cast iron or cast steel.