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Ships and marine technology — Wire rope lifting platform for inspection

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Foreword

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This document was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 8, *Ship design*.

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Ships and marine technology — Wire rope lifting platform for inspection

1 Scope

This document specifies the classification, design requirements and test methods of wire rope lifting platform for inspection (hereinafter called as “wire lift platform” throughout this document) as an alternative means of access for close-up inspections of under-deck structures of ships and offshore structures.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
alternative means of access
portable or movable means of access provided for inspections and thickness measurements of hull structures in areas otherwise not accessible by permanent means of access

Note 1 to entry: Areas not accessible by permanent means of access are included in IMO Resolution MSC 158(78).

3.2
rated working load
maximum effective load of the wire lift platform

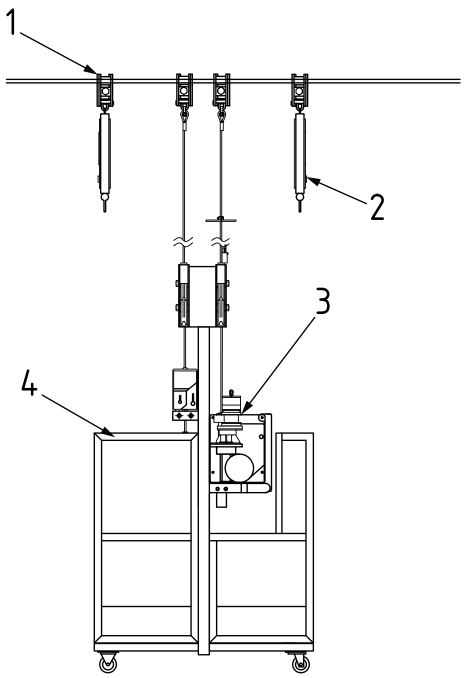
3.3
main platform structure
device surrounded by guard rails for holding the operators

3.4
hoisting device
device used for lifting and lowering the platform

3.5
fastening device
mechanism fastened to the underdeck structure for hanging platforms and fall arrest devices

3.6
fall arrest device
device connected to operators' safety belts that automatically lock to prevent operators from falling when the platform's falling speed exceeds the set speed

Note 1 to entry: See Figure 1.



Key

1 fastening device

2 fall arrest device

3 hoisting device

4 main platform structure

Figure 1 — Diagram for a wire lift platform

4 Classification

4.1 Drive type

The wire lift platform has several types of power sources such as manual, pneumatic and electrical power.

4.2 Rated working load

The wire lift platform should be set to the rated working load of 240 kg for two persons.

5 Design requirements

5.1 General requirements

5.1.1 Wire lift platform shall be manufactured in accordance with drawings and technical documents approved by the Administration or authorized organizations.

5.1.2 The self-made parts of wire lift platform shall be assembled after passing the inspection; the standard parts, purchased parts and out-sourced parts shall be assembled only after obtaining the certificate of the manufacturer or passing the inspection specified by the relevant standards.

5.1.3 The parts of the same model produced by the manufacturer shall be interchangeable.

5.1.4 The manufacturer shall provide users with relevant information on the installation, operation and maintenance of wire lift platform.