International Standard

ISO 6325

Ships and marine technology — Cable stoppers

Navires et technologie maritime — Stoppeurs de chaîne

Third edition
2024-09

iTeh Standards
(https://standards.iteh.ai)
Document Preview

ISO 6325:2024
https://standards.iteh.ai/catalog/standards/iso/40624b62-4264-4d76-a1f3-b672fbc3fb5e/iso-6325-2024

Reference number
ISO 6325:2024(en)

© ISO 2024

iTeh Standards
(https://standards.iteh.ai)
Document Preview

ISO 6325:2024
https://standards.iteh.ai/catalog/standards/iso/40624b62-4264-4d76-a1f3-b672fbc3fb5e/iso-6325-2024

COPYRIGHT PROTECTED DOCUMENT

© ISO 2024

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

iTeh Standards
(https://standards.iteh.ai)
Document Preview

ISO 6325:2024
https://standards.iteh.ai/catalog/standards/iso/40624b62-4264-4d76-a1f3-b672fbc3fb5e/iso-6325-2024

© ISO 2024 – All rights reserved

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 4, *Outfitting and deck machinery*.

This third edition cancels and replaces the second edition (ISO 6325:1987), which has been technically revised.

The main changes are as follows:

iTeh Standards
(https://standards.iteh.ai)
Document Preview
ISO 6325:2024
https://standards.iteh.ai/catalog/standards/iso/40624b62-4264-4d76-a1f3-b672fbc3fb5e/iso-6325-2024

— in Figure 3, a combined track and roller stopper with adjust block has been added;

— in 4.2, the nominal size of the cable stopper corresponding to the nominal size of anchor chain has been added according to ISO 1704;

— in 5.1, designed environmental conditions and material requirements have been added;

— in 5.7, location design requirements of cable stopper have been added;

— in Clause 6, functional, operational and installation requirements have been added;

— in Clause 7, acceptance tests requirements have been added;

— Annex A and Annex B have been deleted.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

© ISO 2024 – All rights reserved

Ships and marine technology — Cable stoppers

1 Scope

This document specifies requirements for the types, sizes, design, construction, strength, safety, function, operation, installation and acceptance tests of cable stoppers.

This document is applicable to the design, manufacturing and acceptance tests of cable stoppers for use with marine windlasses and anchor capstans as defined in ISO 4568.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1704, *Ships and marine technology — Stud-link anchor chains*

ISO 3828, *Shipbuilding and marine structures — Deck machinery — Vocabulary and symbols*

ISO 4568, *Ships and marine technology — Sea-going vessels — Windlasses and anchor capstans*

ISO 7825:2017, *Shipbuilding — Deck machinery — General requirements*

iTeh Standards
(https://standards.iteh.ai)
Document Preview

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 3828, ISO 4568 and the following apply.

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

ISO 6325:2024
https://standards.iteh.ai/catalog/standards/iso/40624b62-4264-4d76-a113-b672fbc3fb5e/iso-6325-2024

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

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

3.1
cable stopper
device which is secured to the ship's structure, separate from the cable lifter, for the purpose of securing a chain cable against the tension from the anchor

Note 1 to entry: The stopper also serves as a guide for the chain cable during operation.

3.2
class A cable stopper
cable stopper (3.1) designed and constructed to withstand, without permanent deformation, 80 % of the nominal breaking load of the maximum diameter and the highest chain cable grade for which it is intended

3.3
class B cable stopper
cable stopper (3.1) designed and constructed to withstand, without permanent deformation, 40 % of the nominal breaking load of the maximum diameter and the highest chain cable grade for which it is intended

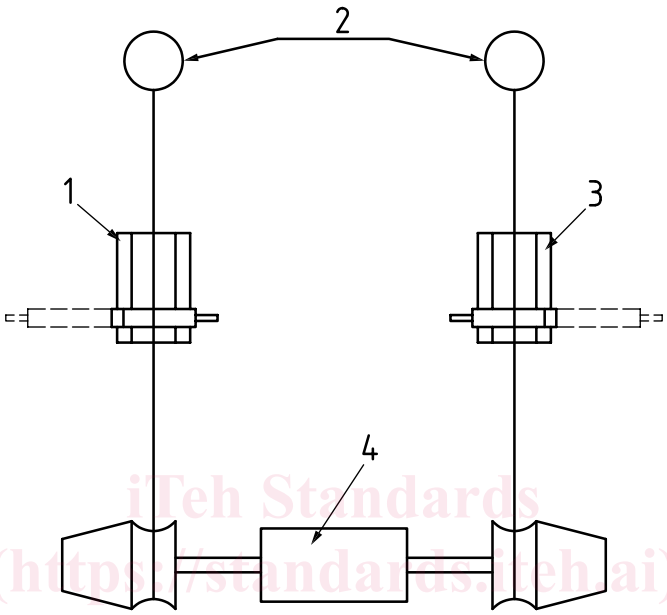
© ISO 2024 – All rights reserved

3.4
right-hand cable stopper
cable stopper (3.1) which is operated from the right-hand side when seen from the cable lifter

Note 1 to entry: The right-hand cable stopper is shown in Figure 1.

3.5
left-hand cable stopper
cable stopper (3.1) which is operated from the left-hand side when seen from the cable lifter

Note 1 to entry: The left-hand cable stopper side is shown in Figure 1.



iTeh Standards
(https://standards.iteh.ai)
Document Preview

Key

1	left-hand cable stopper	3	right-hand cable stopper
2	hawse pipe	4	windlass

ISO 6325:2024
https://standards.iteh.ai/catalog/standards/iso/40624b62-4264-4d76-a1f3-b672fbc3fb5e/iso-6325-2024

Figure 1 — Cable stopper side

3.6
chain cable grade
classification determined by the nominal tensile strength of the chain cable steel used for manufacturing

Note 1 to entry: Stud link chain cables are to be subdivided into grades 1, 2 and 3.

[SOURCE: IACS, UR W18]

4 Types and sizes

4.1 Main types

4.1.1 There are two types of cable stoppers according to the structure and function: the fixing cable stopper and adjusting type cable stopper.

4.1.2 Fixing cable stoppers include the following:

— track-type stopper (T type): this is the cable stopper over which the chain cable passes by sliding. It has a track to guide and keep the chain cable in place. See Figure 2 a).

© ISO 2024 – All rights reserved