INTERNATIONAL STANDARD

ISO 17325-4

First edition
2018-09

Ships and marine technology — Marine environment protection — Oil booms —

Part 4: Auxiliary equipment

Navires et technologie maritime — Protection de l'environnement marin — Barrages de rétention de pétrole —

Partie 4: Équipement auxiliaire

Reference number
ISO 17325-4:2018(E)

© ISO 2018



COPYRIGHT PROTECTED DOCUMENT

© ISO 2018

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
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

 © ISO 2018 – All rights reserved

Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 General requirements **1**
5 Boom reels **2**
5.1 General 2
5.2 Basic design requirements 2
5.3 Operational considerations 3
5.4 Transport and lifting 3
6 Inflator for inflatable booms **3**
6.1 General 3
6.2 Operational considerations 4
7 Water pump for beach sealing booms **5**
7.1 General 5
7.2 Design considerations 5
7.3 Operational considerations 5
8 Boom anchoring **5**
8.1 General 5
8.2 Anchoring assembly considerations 6
9 Towing and mooring gear **7**
9.1 General 7
9.2 Design considerations 7
10 Tidal compensator **9**
10.1 General 9
10.2 Design considerations 10
11 Power units **11**
11.1 General 11
11.2 Transport and lifting 11
Bibliography **12**

© ISO 2018 – 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 documents 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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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 2, *Marine environment protection*.

A list of all parts in the ISO 17325 series can be found on the ISO website.

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 2018 – All rights reserved

Introduction

In addition to consideration of physical limitations and individual circumstances, the successful application (deployment) of booms very much depends on the use of matching accessories, referred to as auxiliary equipment for the purpose of this document.

This document gives general guidelines for manufacturers as well as users with regard to producing, purchasing and using the most common auxiliary equipment for oil booms. This document does not define any specific type and size for a particular application, as so many variables have to be taken into consideration.

This document has been developed after considering the referred relevant standards.

© ISO 2018 – All rights reserved

Ships and marine technology — Marine environment protection — Oil booms —

Part 4: Auxiliary equipment

1 Scope

This document specifies basic requirements for the design, layout and application of boom accessories, referred to as auxiliary equipment for the purpose of this document. This document does not purport to address all safety concerns, if any, associated with its use. However, it is the responsibility of the user of this document to establish the appropriate safety and health procedures, and to determine the applicability of regulatory limitations.

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 668, *Series 1 freight containers — Classification, dimensions and ratings*

ISO 1161, *Series 1 freight containers — Corner and intermediate fittings — Specifications*

ISO 1496-1, *Series 1 freight containers — Specification and testing — Part 1: General cargo containers for general purposes*

ISO 16165, *Ships and marine technology — Marine environment protection — Terminology relating to oil spill response*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 16165 apply.

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

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

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

4 General requirements

Oil boom auxiliary equipment shall be used exclusively with the equipment for which it is specifically designated. Any use other than the designated application requires a careful examination of the acting forces and safety aspects as well as the manufacturers'/suppliers' approval.

On request, the manufacturer shall provide calculations of material strength and dimensions indicating the forces anticipated with intended application. Nevertheless, it is exclusively the users' responsibility to keep the applied forces within the limits given by the manufacturer.

Nameplates of all auxiliary equipment shall mention its maximum gross and net weight including all components installed on it.

© ISO 2018 – All rights reserved