



BSI Standards Publication

Ships and marine technology — Guardrails for cargo ships

National foreword

This British Standard is the UK implementation of [ISO 5480:2020](#). It supersedes [BS ISO 5480:1979](#), which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee SME/32, Ships and marine technology - Steering committee.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Ships and marine technology — Guardrails for cargo ships

*Navires et technologie maritime — Garde-corps pour
navire de charge*



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Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Materials	2
5 Design, construction and installation	2
5.1 Principal dimensions	2
5.2 Stanchions	2
5.3 Rails	2
5.4 Stays	3
5.5 Fairlead positions	3
6 Quality of manufacture and finish	3
Annex A (informative) Summation of section modulus	11
Bibliography	13

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 8, *Ship design*.

This second edition cancels and replaces the first edition ([ISO 5480:1979](http://www.iso.org/iso/5480:1979)), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the normative references have been updated;
- the diameter of the lower rails and the toprails have been changed;
- the size of the stays has been changed;
- technical advice has been added as the second paragraph in [5.4.1](#);
- the guardrails from [Figure 1](#) to [Figure 4](#) have been editorially amended, and guardrails at multipurpose fairlead in [Figure 4](#) have been updated;
- the summation of section modulus has been added as [Annex A](#).

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.

Introduction

Cargo ships meeting the requirements of this document are deemed to comply with the regulations of the International Convention on Loadlines, 1966 Annex 1, Chapter II, Regulation 25, Paragraphs 2 and 3, as amended by the Protocol of 1988.

NOTE Users of this document are understood to be aware of any other statutory requirements, rules and regulations that can be applicable to the individual ships concerned.