
**Ships and marine technology — Ship's
mooring and towing fittings — Panama
chocks**

*Navires et technologie maritime — Corps-morts et ferrures de
remorquage de navires — Écubiers de Panama*



This document is a preview generated by EVS



COPYRIGHT PROTECTED DOCUMENT

© ISO 2012

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Classification	1
4.1 Type	1
4.2 Nominal sizes	1
5 Dimensions	1
6 Materials	2
7 Construction	2
8 Manufacturing and inspection	2
9 Marking	2
Annex A (informative) Basis for strength assessment of Panama chocks	7
Bibliography	10

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 13728 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 4, *Outfitting and deck machinery*.

Introduction

The Panama chock is a type of ship's mooring and towing fitting installed on the shipside to lead the mooring or towing rope from the ship's inboard to outboard.

The Panama chocks are normally adopted for ships passing through the Panama Canal which are normally assisted by locomotives using steel towing wire.

Ships and marine technology — Ship's mooring and towing fittings — Panama chocks

1 Scope

This International Standard specifies the design, size and technical requirements for Panama chocks suitable for installation on ships passing through the Panama Canal which are normally assisted by locomotives using steel towing wires. These chocks meet normal mooring requirements and Panama Canal requirements.

2 Normative references

The following referenced documents are indispensable for the application 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.

IMO Circular MSC/Circ.1175, *Guidance on shipboard towing and mooring equipment*

Panama Canal Requirements — OP Notice to shipping N-1-2010 — Vessel requirements

3 Terms and definitions

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

3.1

safe working load

SWL

maximum load in kN on the rope that should normally be applied in service conditions

4 Classification

4.1 Type

The Panama chock shall be classified by its installation site as follows:

- Type A – Deck-mounted Panama chock;
- Type B – Bulwark-mounted Panama chock.

4.2 Nominal sizes

The nominal sizes of Panama chocks are denoted by reference to the width of the opening, in millimetres.

The nominal sizes are 310 and 360.

5 Dimensions

5.1 Panama chocks have dimensions and particulars in accordance with Tables 1 and 2, and Figures 1 and 2.

5.2 The minimum opening size of Panama chocks is decided as specified in *Panama Canal Requirements — OP Notice to shipping N-1-2010 — Vessel requirements*.