

---

---

**Ships and marine technology —  
Ship's mooring and towing fittings —  
Pedestal fairleads**

*Navires et technologie maritime — Corps-morts et ferrures de  
remorquage de navires — Chaumards à piédestal*



This document is a preview generated by EKO



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2020

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](mailto:copyright@iso.org)  
Website: [www.iso.org](http://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 Nominal sizes.....	1
5 Dimensions.....	1
6 Materials.....	1
7 Manufacturing and inspection.....	2
8 Marking.....	2
Annex A (normative) Basis for strength assessment of pedestal fairleads.....	6
Bibliography.....	8

## 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](http://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](http://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](http://www.iso.org/iso/foreword.html).

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

This second edition cancels and replaces the first edition (ISO 13776:2012), which has been technically revised.

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

- the definition of SWL ([3.1](#)) has been reworded;
- the mark numbers in [Figure 1](#) have been amended.

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](http://www.iso.org/members.html).

## Introduction

The pedestal fairlead is a type of ship's mooring fitting installed on board to lead and change the mooring rope.



# Ships and marine technology — Ship's mooring and towing fittings — Pedestal fairleads

## 1 Scope

This document specifies the nominal sizes, dimensions and materials, as well as construction, manufacturing and marking requirements, for pedestal fairleads installed to lead the mooring rope of a ship.

## 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 13755, *Ships and marine technology — Ship's mooring and towing fittings — Steel rollers*

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

## 3 Terms and definitions

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

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

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

### 3.1

#### safe working load

#### SWL

safe load limit (maximum permissible load) of the fittings used for mooring and towing

## 4 Nominal sizes

The nominal sizes,  $D_n$ , of pedestal fairleads are denoted by reference to the outside diameter of the roller, in millimetres, from a basic series of preferred numbers.

The nominal sizes are: 150, 200, 250, 300, 350, 400, 450 and 500.

## 5 Dimensions

Pedestal fairleads shall have dimensions and particulars in accordance with [Tables 1](#) and [2](#), and [Figures 1](#) and [2](#).

## 6 Materials

The following material shall be used for manufacturing the pedestal fairleads:

- weldable steel plates having a yield point of not less than 235 N/mm<sup>2</sup>.