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

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



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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 Manufacturing and inspection .....	2
8 Marking .....	2
Annex A (informative) Basis for strength assessment of shipside roller 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.

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 13767 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 4, *Outfitting and deck machinery*.

## Introduction

The shipside roller fairlead is a type of ship's mooring fitting installed on board to lead the mooring rope from the ship's inboard to outboard.



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

## 1 Scope

This International Standard specifies the design, size and technical requirements for shiplide roller fairleads installed to lead the mooring rope of a ship.

## 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.

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.

### 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

Depending on the construction, roller fairleads shall be classified as the following two types:

- 2-roller type;
- 3-roller type.

### 4.2 Nominal sizes

The nominal sizes,  $D_n$ , of roller 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

Roller fairleads have dimensions and particulars in accordance with Tables 1 and 2, and Figures 1 and 2.