

Second edition
2022-09

Ships and marine technology — Survival equipment for survival craft and rescue boats

*Navires et technologie maritime — Équipement de survie pour
embarcations de survie et canots de sauvetage*



Reference number
ISO 18813:2022(E)

© ISO 2022



COPYRIGHT PROTECTED DOCUMENT

© ISO 2022

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
Website: www.iso.org

Published in Switzerland

This is a preview of ISO 18813:2022. Click [here](#) to purchase the full version from the ANSI store.

Contents

Page

Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms, definitions and abbreviated terms	1
3.1 Terms and definitions	1
3.2 Abbreviated terms	2
4 Design and performance requirements	2
4.1 General	2
4.2 Bailer	2
4.3 Bilge pump (manual)	2
4.3.1 General	2
4.3.2 Performance and construction	3
4.3.3 Testing	3
4.3.4 Marking	4
4.4 Boathook	4
4.5 Bucket	4
4.6 Compass	4
4.7 Container, liferaft equipment	5
4.8 Dipper	5
4.9 Drinking vessel (cup)	5
4.10 Electric torch	5
4.10.1 General	5
4.10.2 Construction and performance	5
4.10.3 Testing	5
4.11 Fire-extinguishing equipment, portable (fire extinguishers)	6
4.12 First-aid outfit	6
4.13 Fishing kit (set of fishing tackle)	6
4.14 Flare, hand red	7
4.15 Flare, rocket parachute	7
4.16 Handholds/lifelines	7
4.17 Hatchet	7
4.18 Instructions for immediate action	7
4.19 Jack-knife	7
4.19.1 General	7
4.19.2 Performance and construction	8
4.19.3 Testing	8
4.20 Knife, buoyant (non-folding safety type)	8
4.21 Ladder	8
4.22 Lighting system (interior)	9
4.23 Mirror, signalling, daylight	9
4.23.1 General	9
4.23.2 Construction and performance	9
4.23.3 Testing	10
4.24 Oars or paddles	10
4.24.1 General	10
4.24.2 Motor lifeboats or rescue boats	10
4.25 Oarlocks or equivalent devices for lifeboats	11
4.26 Paddle (liferaft)	11
4.27 Painter	11
4.27.1 General	11
4.27.2 Lifeboat painters	11
4.27.3 Rescue boat painters	11

This is a preview of ISO 18813:2022. Click [here](#) to purchase the full version from the ANSI store.

4.28	Pump.....	11
4.29	Radar reflector	12
4.29.1	Radar reflector for lifeboats and rescue boats.....	12
4.29.2	Liferaft radar reflector	12
4.30	Rainwater collection equipment for lifeboats	12
4.31	Rations.....	12
4.31.1	General.....	12
4.31.2	Contents and packaging.....	12
4.31.3	Testing.....	13
4.31.4	Expiry.....	15
4.32	Repair kit.....	15
4.33	Rescue quoit, buoyant.....	15
4.34	Scissors.....	16
4.35	Sea anchor.....	16
4.36	Searchlight	16
4.37	Seasickness kit (anti-seasickness medicine and seasickness bag).....	16
4.38	Smoke signal, buoyant	16
4.39	Sponge.....	16
4.40	Survival instructions or manual.....	17
4.41	Table of lifesaving signals	17
4.42	Thermal protective aid	17
4.43	Can-opener	17
4.44	Tool kit	17
4.45	Towline	18
4.46	Water	18
4.47	Whistle	18
5	Format of instructional materials.....	18
Annex A (normative)	Maintenance and periodic inspection requirements.....	19
Annex B (informative)	Maintenance and periodic inspection recommendations.....	21
Bibliography		25

This is a preview of ISO 18813:2022. Click [here](#) to purchase the full version from the ANSI store.

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 1, *Maritime safety*.

This second edition cancels and replaces the first edition (ISO 18813:2006), which has been technically revised.

The main changes are as follows:

- references have been updated;
- annex has been split into two, with [Annex A](#) being normative and [Annex B](#) being informative;
- language regarding expiry and replacement of expired equipment was made normative;
- document has been editorially revised.

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

This document contains detailed specifications for various items of survival equipment carried in survival craft and rescue boats in compliance with the IMO LSA Code. For each item, the relevant subclause title specifies the name of the item, the types of craft in which it is required (LR = liferafts, LB = lifeboats, RB = rescue boats, LB/RB = combined life/rescue boats), and (in the same order) the specific sections of the LSA Code that require it.

For the sake of completeness, certain items of equipment which pre-date the LSA Code, but which are still often carried on existing ships, are addressed in [Annex B](#). For these items, the type of craft specified in the subclause title is followed by the suffix “– old” (e.g., “LB – old”).