

ICS 47.080
CCS U 18



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 34315.1-2022

Small craft - Inflatable liferafts - Part 1: Type I

Issued on: October 12, 2022

Implemented on: October 12, 2022

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

foreword

Introduction

1 Scope

2 Normative references

3 Terms and Definitions

foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents" drafted.

This document is part 1 of GB/T 34315 "Inflatable Liferafts for Small Boats". GB/T 34315 has released the following parts.

--- Part 1. Type I;

--- Part 2. Type II;

--- Part 3. Materials.

This document is equivalent to ISO 9650-1.2005 "Inflatable liferafts for small craft - Part 1. Type I".

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

Introduction

Despite the continuous upgrading of ship safety equipment and technology, many maritime safety accidents have occurred in recent years. Inflatable liferaft as a ship

As an important product of life-saving equipment, it is used to ensure the safety of personnel on board, and it is necessary to stipulate its design, performance and test.

GB/T 34315 consists of three parts.

--- Part 1. Type I. Requirements for design, performance, and test methods are put forward for Type I liferafts with a wider range of use, aiming to ensure the

The quality of the type life raft to protect the safety of the people on the raft.

--- Part 2.Type II. The requirements for design, performance, and test methods of type II liferafts are proposed to ensure the quality of liferafts of this type.

to protect the safety of the people on the raft. The conditions for the application of Type I liferafts are different.

--- Part 3.Materials. Requirements and test methods for materials used in the construction of Type I and Type II liferafts for the purpose of ensuring life-saving properties of raft materials.

Life rafts complying with this document can provide reasonable safety shelter for persons awaiting rescue and have a reasonable service life (as long as

The user meets the storage and maintenance recommendations expressly specified by the manufacturer).

The experiments in this document are intended to simulate reality as closely as possible. Compliance with a test does not guarantee similar performance in use. example

For example, compliance with the re-righting test does not guarantee that the liferaft will in all circumstances be righted at sea by an exhausted person.

Small craft inflatable liferafts - Part 1.Type I

1 Scope

This document specifies the design, performance and marking characteristics of Type I inflatable liferafts and gives test methods.

- Have a carrying capacity of 4 to 12 people;
- Suitable for small boats with a hull length not greater than 24m;
- Suitable for being dropped from a boat with a height not higher than 6m;
- Distinguish into two categories (Class A and Class B);
- Designed for long voyages in high winds and waves but excluding extreme conditions such as hurricanes;
- Have complete self-sustaining power;
- Can deal with various emergency situations without external assistance;
- Not sailing in extreme sailing areas (such as the Southern Ocean).

Type II liferafts are specified in ISO 9650-2.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations

documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB/T 23302-2009 Marine Anchors for Survival Craft and Rescue Boats for Ships and Offshore Technology (ISO 17339.2002, IDT)

assemblies-Hydrostatic testing)

Note. GB/T 5563-2013 Hydrostatic test method for rubber and plastic hoses and hose assemblies (ISO 1402.2009, IDT).

ISO 9650-3 Small craft inflatable liferafts-Part 3.Materials (Smallcraft-Inflatableliferafts-Part 3.

Materials)

Note. GB/T 34315.3-2017 Small craft inflatable liferafts - Part 3.Materials (ISO 9650-3.2009, IDT)

IMOSOLAS83, Chapter III, Resolution A.658(16), Appendix 2 [IMOSOLAS83, Chapter III, Resolution

A.658(16), Annex2]

Code)]

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1

operatingpressure

The pressure determined by the designed pressure of the reset relief valve. In addition to this, if the actual re-installation relief valve pressure determined by test

If it is more than 15% greater than the designed re-installation pressure, take the larger value.