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

GB/T 20895.3-2025

Replacing GB/T 20895.3-2007

**Small craft - Stability and buoyancy assessment and
categorization - Part 3: Boats of hull length less than 6 m
(English Translation)**

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Table of Contents

Preface	
Introduction	
1 Scope	
2 Normative References	
3 Terms and Definitions	
3.1 Basic Terminology	
3.2 Sinking and water ingress	
3.3 Condition and Quality	
3.4 Other Terms and Definitions	
4 Symbols	
5 Steps	
5.1 Maximum load	
5.2 Sailing or non-sailing boats	
5.3 Experiment 10 conducted	
5.4 Replaces	
5.5 Changes in Input Parameters	
6 Non-sailing boat trials	
6.1 General Requirements	
6.2 Habitable non-sailing multihull vessels	
6.3 Sinking and water ingress	
6.4 Concave dimension	
6.5 Offset Load Test	
6.6 Wind-induced horizontal tilt	
6.7 Stable Floating Test	
6.8 Basic Floating Test	
6.9 Overturning Recovery Test	
6.10 Water Detection and Removal	
7 Experimentation of sailboats	
7.1 General Rule	
7.2 Sinking and water ingress	
7.3 Concave dimension	
7.4 Floating Test	

7.5 Overturning recovery test

7.6 Impact Recovery Test

7.7 Wind Resistance Test

7.8 Overturning buoyancy

8 Safety signs

9 Applications

9.1 Determine Design Category

9.2 Meaning of Design Categories

Appendix A (Normative) Calculation Method for Submersion and Water Intake Height

Appendix B (Normative) Calculation Method for Inlet Angle

B.1 Method Selection

B.2 Theoretical Calculations

B.3 Approximate method for sinking angle less than or equal to 60°

Appendix C (Normative) Flotation Test Method

C.1 General requirement

C.2 Test conditions

C.3 Settlement stability test under water

C.4 Floating and sinking test under water

Appendix D (Normative) Buoyancy Materials and Equipment

D.1 Requirement

D.2 Experiment

Appendix E (Normative) Calculation Method for Basic Floating Requirements

E.1 Introduction

E.2 Method

E.3 Material density

Appendix F (Normative) Contents of the Boat Owner's Manual

F.1 General Information

F.2 Specific Content

Appendix G (Informative) Summary of Requirements

Appendix H (Informative) Worksheet

Appendix I (Informative) Explanation of Retention Water Level in Concave Bodies

References

Foreword

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

Drafting.

This document is Part 3 of GB/T 20895 "Assessment and Classification of Stability and Buoyancy of Small Boats". GB/T 20895 has been published.

The following section.

---Part 1: Non-sailing boats with a hull length of not less than 6m;

---Part 2: Sailing boats with a hull length of not less than 6m;

---Part 3: Boats with a hull length of less than 6m.

This document replaces GB/T 20895.3-2007 "Assessment and Classification of Stability and Buoyancy of Small Boats - Part 3: Boats with Hull Length Less Than..." Compared with GB/T 20895.3-2007, the main technical changes in the "6m Boat" standard, apart from structural adjustments and editorial modifications, are as follows.

---Added a definition for habitable boats (see 3.1.7);

---A definition for the sinking ingress angle has been added (see 3.2.3);

---The definitions of empty boat status and maximum load have been changed (see 3.3.1, 3.3.3, and 3.3.1 and 3.3.2 in the 2007 version), and a light boat status has been added.

Definitions of the state, maximum load state, and full load arrival state (see 3.3.2, 3.3.4, and 3.3.5);

---Added basic safety equipment, hull length, nominal sail area, water level at the concave hull, standard equipment, windward area, and stability loss.

Definitions of angle and navigation (see 3.4.4, 3.4.6, 3.4.8, 3.4.9, 3.4.10, 3.4.12, 3.4.13 and 3.4.14);

---Experiments with habitable non-sailing multihull vessels have been added (see 6.2);

---Added specifications for the dimensions of non-sailboat concave bodies (see 6.4);

---A wind-induced tilt test has been added (see 6.6);

---Added requirements for water testing and removal (see 6.10);

---Added specifications for the dimensions of the concave body of the sailboat (see 7.3);

---Added requirements for sailboat capsizing buoyancy testing (see 7.8);

---Regulations on safety signs have been added (see Chapter 8);

---A method for calculating the inlet angle has been added (see Appendix B).

This document is equivalent to ISO 12217-3:2022 "Assessment and classification of stability and buoyancy of small boats - Part 3: Craftsmen with hull length less than..." A 6-meter boat.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Technical Committee on Standardization of Small Boats (SAC/TC241).

Introduction

GB/T 20895, "Assessment and Classification of Stability and Buoyancy of Small Boats," provides the assessment and classification of stability and buoyancy of small boats, consisting of three parts.

constitute.

---Part 1: Non-sailable boats with a hull length of not less than 6m. The purpose is to provide stability data for non-sailable boats with a hull length of not less than 6m.

The assessment and classification of buoyancy, utilizing this section to evaluate stability and buoyancy, and assigning each vessel a rating based on its design load and maximum buoyancy.

Design category (A, B, C, or D) suitable for large loads.

---Part 2: Sailing Boats with a Hull Length of Not Less Than 6m. The purpose is to provide information on the stability and buoyancy of sailing boats with a hull length of not less than 6m.

The assessment and classification of stability and buoyancy are conducted in this section, which evaluates each vessel and assigns it a rating based on its design load and maximum load.

Design category adapted to load conditions (A, B, C, or D)

---Part 3: Vessels with a hull length of less than 6m. The purpose is to provide an assessment of the stability and buoyancy of vessels with a hull length of less than 6m.

In addition to classification, this section assesses stability and buoyancy, assigning each vessel a classification appropriate to its design and maximum loads.

Design category (C or D).

Assessment and classification of stability and buoyancy of small boats Part 3: Boats with a hull length of less than 6m Note. Compliance with the requirements of this document does