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

GB/T 20895.2-2025

Replacing GB/T 20895.2-2007

**Small craft - Stability and buoyancy assessment and
categorization - Part 2: Sailing boats of hull length greater than
or equal to 6 m**

(English Translation)

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Foreword

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

Drafting.

This document is Part 2 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 20895.2-2007 "Assessment and Classification of Stability and Buoyancy of Small Boats - Part 2: Hull Length Not Less Than..." Compared with GB/T 20895.2-2007, the main technical changes in "6m Sailing Boats" are as follows, except for structural adjustments and editorial modifications.

---Definitions for fully enclosed boats, habitable boats, and habitable sections of boats have been added (see 3.1.8, 3.1.9, and 3.1.10);

---The definitions of nominal sail area and standard sail area have been changed (see 3.4.8, 3.4.9, and 3.4.8 and 3.4.9 in the 2007 edition);

---The definition of the empty boat state has been changed (see 3.5.1, 2007 version 3.5.1), and the states of light boat, maximum load, and maximum load status have been added.

Definitions of "fully loaded arrival status" and "fully loaded arrival status" (see 3.5.2, 3.5.4, 3.5.5, 3.5.6);

---Added definitions for basic safety equipment, concave water level, standard equipment, and navigation (see 3.6.5, 3.6.11, 3.6.12).

3.6.14);

---Added requirements for the dimensions of the concave parts (see 6.3, 7.4);

---A minimum recovery energy requirement has been added (see 6.4);

---Water monitoring and drainage requirements have been added (see 6.11);

--- An empty mast coefficient requirement has been added (see 7.7);

---Added a requirement for panning during wave breaking (see 7.8);

---Added requirements for pitching during wave breaking (see 7.9);

---Added diagonal stability requirements (see 7.10);

---Added requirements for habitable multihull vessels (see 7.11);

---Added escape requirements after a rollover (see 7.13);

---Safety sign requirements have been added (see Chapter 8);

---Added free surface effect (see C.2.5);

---The method for calculating wind speed data has been changed (see G.1, 2007 edition of G.1);

---Added the determination of pitch recovery features (see Appendix H).

This document is equivalent to ISO 12217-2:2022 "Assessment and classification of stability and buoyancy of small boats - Part 2: Length of hull not less than..." A 6-meter

sailboat.

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, using this section to evaluate stability and buoyancy, and to assign 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 (A, B, C, or D) that is adapted to the load phase.

---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 2: Sailing boats with a hull length of not less than 6m Note. Compliance with the requirements of this document does not guarantee the boat's 100% safety, nor does it guarantee that it will not capsize or sink.

Important Note. The electronic version of this document contains color-coded content,