

ICS 47.080
CCS U 37



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

GB/T 17844-2025

Replacing GB/T 17844-1999

Small craft - Remote mechanical steering systems

小艇 远程机械操舵系统

(English Translation)

Issued on: October 5, 2025

Implemented on: May 1, 2026

**Issued by: State Administration for Market Regulation and
Standardization Administration of China**

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions

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 replaces GB/T 17844-1999 "Remote Control Steering Systems for Small Boats". Compared with GB/T 17844-1999, the only changes are structural adjustments.

Aside from editorial changes, the main technical changes are as follows.

- a) The definition has been changed (see Chapter 3, Chapter 2 of the 1999 edition);
- b) Increased static load requirements for the outboard engine steering arms of lightweight steering systems (see 5.6);
- c) The requirements for the steering system have been changed (see Chapter 6, Chapter 5 of the 1999 edition);
- d) Installation requirements have been changed (see Chapter 7, Chapter 6 of the 1999 edition);
- e) Increased requirements for the clearance between the control lever and the steering wheel (see 7.7);
- f) The structure and content of the experiment were changed (see Chapter 8, Chapter 7 of the 1999 edition);
- g) Added markings, a boat owner's manual, and an installation manual (see Chapter 9).

This document is equivalent to ISO 8848:2022 "Remote mechanical steering systems for small boats".

1 Scope

This document specifies the design, construction, installation, and testing requirements for the remote mechanical flexible shaft steering system and output pushrod connection point of small boats.

The connection point can connect the boat's rudder, waterjet propulsion system, outboard engines, and stern engine drive engine.

This document applies to three different types of steering systems used on various types of boats.

---Standard steering system, suitable for vehicles equipped with one or two outboard engines (total power exceeding 15kW) and rudder, stern engine drive.

Small boats equipped with automatic propulsion devices and water jet propulsion systems;

---Lightweight steering system, suitable for small boats equipped with a single 15kW~40kW outboard engine;

---Small water jet steering system, excluding personal jet skis.

Note: The standard and lightweight steering systems are mechanically interchangeable. The standard steering system can be used on boats designed for lightweight steering systems. However, the lightweight steering system... Not for use on boats requiring a standard steering system. The small waterjet steering system differs mechanically from the previous two systems and is only used as defined in this document. Small waterjet propulsion boat.

This document does not cover emergency steering methods for the vessel.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

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

GB/T 20895.1-2025 Assessment and Classification of Stability and Buoyancy of Small Boats - Part 1: Non-sail boats with a hull length of not less than 6m Boat (ISO 12217-1:2022, IDT)

Note: There are no technical differences between the content referenced in GB/T 20895.1-2025 and the content referenced in ISO 12217-1:2015.

GB/T 20895.2-2025 Assessment and classification of stability and buoyancy of small boats - Part 2: Sailing boats with a hull length of not less than 6m (ISO 12217-2:2022, IDT)

Note: The content referenced in GB/T 20895.2-2025 is not technically different from the content referenced in ISO 12217-2:2015.

GB/T 20895.3-2025 Assessment and Classification of Stability and Buoyancy of Small Boats - Part 3: Boats with Hull Length Less Than 6m (ISO 12217-3:2022, IDT)

Note: The content referenced in GB/T 20895.3-2025 is not technically different from the content referenced in ISO 12217-3:2015.

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1

All components required to remotely transfer manpower to the end of the output push rod (3.20), and to secure the output push rod guide tube to the boat (3.16). The general term for the devices on it.

3.2 Interface point

The mechanical connection point in the steering system (3.11), the output push rod (3.20), and the boat components not provided as a single assembly are connected here.