

Australian Standard®

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## **Small craft—Steering systems**

### **Part 2: Remote push-pull cable systems**

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[ ISO title: Small craft — Remote steering systems ]

This Australian Standard was prepared by Committee CS/1, Small Pleasure Boats. It was approved on behalf of the Council of Standards Australia on 31 December 1996 and published on 5 March 1997.

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## PREFACE

This Standard was prepared by the Standards Australia Committee CS/1, Small Pleasure Boats, to supersede (in part) AS 1799.3—1985, *Small Pleasure Boats Code*, Part 3: *Engineering*.

The objective of this Standard is to provide the minimum requirements for remote push-pull cable steering systems for small craft with single and twin outboard motors over 15 kW power, inboard motors, inboard motor-outdrives and water-jet drives.

This Standard is identical with and has been reproduced from ISO 8848:1990, *Small craft—Remote steering systems*.

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## AUSTRALIAN STANDARD

### Small craft—Steering systems

#### Part 2: Remote push-pull cable systems

#### 1 Scope

This International Standard specifies requirements and test methods for remote push-pull cable steering systems and their major component items, used for small craft with single and twin installations of outboard motors of over 15 kW power, and all inboard motors, inboard motor-outdrives, and water-jet drives.

#### 2 Definitions

For the purposes of this International Standard, the following definitions apply.

**2.1 steering system:** Assembly including all components necessary to transmit remote manual effort to the rudder, outboard motor, inboard-outdrive or water-jet drive.

**2.2 boat-mounted steering system:** System in which an output ram guide tube is secured to the boat.

**2.3 motor-mounted steering system:** System in which an output ram guide tube is secured to the engine.

**2.4 drag link:** Device in a motor-mounted steering system by which the linear force of the output ram is transmitted to the motor steering arm.

**2.5 helm:** Mechanism, exclusive of a steering-wheel or other means for manual application of controlling force, by which controlling force is fed into a steering system cable or other force-transmission means.

**2.6 minimum retained system performance:** System capability after test(s) such that at least 90 % of the steering arc normally available each side of the mid-position may be obtained by exertion of no more than 27 N·m of torque at the helm, through the wheel or other normal control.

This criterion does not define steering system performance while a boat is underway but is intended to provide quantitative limits for design and test purposes.

#### 3 General requirements

**3.1** When steering systems are factory-installed in the boat, the complete system shall be supplied. In outboard motor-boats, the system shall be supplied complete to the interface point at the ram output end as shown in figure 1.