

Australian Standard<sup>®</sup>

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**SMALL PLEASURE BOATS CODE**

**Part 3—ENGINEERING**

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This Australian standard was prepared by Committee CS/1, Small Powered Boats. It was approved on behalf of the Council of the Standards Association of Australia on 16 July 1985 and published on 4 October 1985.

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The following interests are represented on Committee CS/1:

Aluminium Development Council  
Association of Australian Port and Marine Authorities  
Australian Boating Industry Association  
Australian Corrosion Association  
Australian Customs Service  
Australian Yachting Federation  
Department of Consumer Affairs, N.S.W.  
Department of Defence  
Department of Marine and Harbours, W.A.  
Department of Transport  
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**Part 3—ENGINEERING**

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## PREFACE

This standard was prepared by the Association's Committee on Small Powered Boats, to supersede (in part) AS 1799—1975, SAA Small Boats Code.

This standard deals with mechanical installations in boats including propulsion systems, steering, ventilation, and bilge-pumping equipment.

The other standards for small pleasure boats are as follows:

- AS 1799.1 Small Pleasure Boats Code, Part 1—General Requirements for Power Boats\*
- AS 1799.2 Small Pleasure Boats Code, Part 2—General Requirements for Yachts\*
- AS 1799.4 Small Pleasure Boats Code, Part 4—Reinforced Plastics Construction
- AS 1799.5 Small Pleasure Boats Code, Part 5—Aluminium Construction

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\* In course of preparation.

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## STANDARDS ASSOCIATION OF AUSTRALIA

## AUSTRALIAN STANDARD

for

## SMALL PLEASURE BOATS

## PART 3—ENGINEERING

## SECTION 1. SCOPE AND GENERAL

**1.1 SCOPE.** This standard sets out requirements for propulsion systems, ventilation, bilge pumping, electrical systems, steering, and other mechanical features of pleasure boats up to 15 m in overall length.

It does not apply to boats used for commercial purposes or exclusively for racing nor to canoes or kayaks.

**1.2 REFERENCED DOCUMENTS.** The following standards are referred to in this standard:

AS 1533	Portable Plastics Fuel Tanks for Boats
AS 1799.4	Small Pleasure Boats, Part 4—Reinforced Plastics Construction
AS 1949	Method of Measurement of Airborne Noise Emitted by Vessels on Waterways and in Ports and Harbours
AS 2089	Sheave Blocks (Including Ships' Cargo Blocks) of Maximum Lift 60 t
AS 2117	Hose and Hose Assemblies for Petroleum and Petroleum Products—Suction and Discharge
AS 2122	Combustion Propagation Characteristics of Plastics Part 1—Determination of Flame Propagation Following Surface Ignition of Vertically Oriented Specimens of Cellular Plastics
AS 2239	Galvanic (Sacrificial) Anodes for Cathodic Protection
AS 2498	Methods of Testing Rigid Cellular Plastics 2498.6—Determination of Dimensional Stability

AS 3000	SAA Wiring Rules
AS 3004	Electrical Installations—Marinas and Pleasure Craft at Mains Voltage
AS 3111	Approval and Test Specification for Miniature Overcurrent Circuit-breakers
AS D26	Tube Fittings with Dryseal American Standard Taper Pipe and Unified Threads for Automotive and Industrial Use
SAE J554b	Electric Fuses (Cartridge Type)

**1.3 DEFINITIONS.** For the purpose of this standard, the following definitions apply:

**1.3.1 Auxiliary yacht**—a yacht fitted with any form of mechanical propulsion.

**1.3.2 Jetdrive**—a propulsion unit comprising an impeller housed in a duct or tunnel which is capable of producing a jet of water.

**1.3.3 Inboard/outboard**—type of inboard motor having inboard-mounted engine and outboard mounted drive assembly, including sail drives.

**1.3.4 Length**—the distance from the foremost part of the stem to the rearmost part of the stern measured along the boat's centreline parallel to the designed waterline.

NOTE: Length is also referred to as 'overall length'.

**1.3.5 Laminate**—a solid composite structure comprising cured resin containing one or more layers of reinforcing fibres.



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