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1992 ED.

Standards Association of Australia

Amdt 1. 1988-01-04
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Australian Standard®
1799.1—1987

SMALL PLEASURE BOATS CODE
Part 1—GENERAL REQUIREMENTS FOR POWER BOATS

1799 **Small Pleasure Boats Code**
1799.1—1992 General requirements for power boats 25pp *G*

Specifies requirements for determining maximum persons and power capacities and for stability, reserve buoyancy and general design features of power boats up to 15 m in overall length used as pleasure boats. It does not apply to boats used for commercial purposes or exclusively for racing, nor to canoes, kayaks or inflatable boats.

Committee CS/1. ***Supersedes AS 1799.1—1987:*** *Draft for comment DR 90209.*
Publication date 1992-01-17: *ISBN 0 7262 7195 0*

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This Australian Standard was prepared by Committee CS/1, Small Pleasure Boats. It was approved on behalf of the Council of the Standards Association of Australia on 4 May 1987 and published on 1 June 1987.

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 Transport

Institute of Marine Engineers

Police Department, N.S.W.

University of New South Wales

This Standard was issued in draft form for comment as DR 86112.

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

AMENDMENT No 1
to
AS 1799.1—1987
SMALL PLEASURE BOATS CODE
PART 1—GENERAL REQUIREMENTS FOR POWER BOATS

CORRECTION

The 1987 edition of AS 1799.1 is amended as follows; the amendment should be inserted in the appropriate place.

SUMMARY: This amendment applies to Appendix B.

Published on 4 January 1988.

AMDT No 1 JAN. 1988

Page 20. Paragraph B4.2.

Delete existing equation from Step 2 and *substitute*:

$$F_s = \frac{0.25\ W}{D}$$

STANDARDS AUSTRALIA

Amendment No 2
to
AS 1799.1—1987
Small Pleasure Boats Code
Part 1: General requirements for power boats

REVISED TEXT

The 1987 edition of AS 1799.1, which was amended in January 1988, is further amended as follows; the amendment(s) should be inserted in the appropriate place.

SUMMARY: This Amendment applies to Clauses 5.2.1 and 5.3.2(a).

Published on 11 August 1989.

AMDT No 2 AUG. 1989

Page 13. Clause 5.2.1.

(a)(iv) *Add* the following at the end of the last line:

(see Table 5.1)

(b)(iv) *Add* the following at the end of the last line:

(see Table 5.1)

(c)(i) fourth line *delete* 'Table 1' and *substitute* 'Table 2.1'.

(c)(iv) fifth line *delete*

(see Table 5.1)

AMDT No 2 AUG. 1989

Page 14. Clause 5.3.2(a).

Delete the equation in the first line and and *substitute*:

$$H_1 = 1.633 (W \times B)$$

Add ', in metres' to the definition of '*B*'.

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AUSTRALIAN STANDARD

SMALL PLEASURE BOATS CODE
Part 1
GENERAL REQUIREMENTS FOR POWER BOATS

AS 1799.1—1987

AS 1799 first published 1975
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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 general requirements for power boats including load and persons capacity, hull design, stability and other factors affecting the safety of power boats.

Other Standards for small pleasure boats are as follows:

AS 1799.2 Small Pleasure Boats Code, Part 2—General Requirements for Yachts.*
AS 1799.3 Small Pleasure Boats Code, Part 3—Engineering.
AS 1799.4 Small Pleasure Boats Code, Part 4—Reinforced Plastics Construction.*
AS 1799.5 Small Pleasure Boats Code, Part 5—Aluminium Construction.
AS 2677 Inflatable Boats.

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* In course of preparation.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
SMALL PLEASURE BOATS

PART 1—GENERAL REQUIREMENTS FOR POWER BOATS

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This Standard sets out requirements for maximum load, persons and power capacities, and for reserve buoyancy, stability and testing of power boats up to 15 m in overall length used as pleasure boats. It does not apply to boats used for commercial purposes or exclusively for racing, nor to canoes, kayaks, inflatable boats or auxiliary yachts.

1.2 REFERENCED DOCUMENTS. The following Standards are referred to in this Standard:

AS 1799.3 Small Pleasure Boats Code
Part 3—Engineering.

AS 1841 Portable Fire Extinguishers—Water (Gas Container) Type.

AS 1842 Portable Fire Extinguishers—Water (Stored Pressure) Type.

AS 1844 Portable Fire Extinguishers—Foam (Gas Container) Type.

AS 1845 Portable Fire Extinguishers—Foam (Stored Pressure) Type.

AS 1846 Portable Fire Extinguishers—Powder Type.

AS 1847 Portable Fire Extinguishers—Carbon Dioxide Type.

AS 1848 Portable Fire Extinguishers—Halon Type.

AS 1850 Portable Fire Extinguishers—Classification, Rating and Fire Testing.

AS 2080 Safety Glass for Land Vehicles.

AS 2275 Combustible Gas Detection Instruments for Use in Explosive Atmospheres.

AS 2444 Portable Fire Extinguishers—Selection and Location.

AS 2789.2 Internal Combustion Engines—Performance
Part 3—Engines for Land, Rail Traction and Marine Use—Test Methods.

AG 601* Installation Code for Gas Burning Appliances and Equipment.

1.3 DEFINITIONS. For the purpose of this Standard, the following definitions apply.

1.3.1 Ancillary equipment—equipment such as ground tackle and safety equipment.

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

1.3.3 Beam—the distance between the outer sides of the hull measured horizontally at the widest point.

1.3.4 Buoyancy—the force which causes a boat to float, expressed in Newtons.

1.3.5 Cabin sole—the internal cabin deck.

1.3.6 Camber—the athwartships curve of a boat's deck.

1.3.7 Cockpit—an exposed recess in the weather deck.

1.3.8 Cockpit deck—the weather deck in a cockpit.

1.3.9 Deck—the area of a boat which may be walked upon.

1.3.10 Depth—the distance from the upper edge of the gunwale to the inside of the hull measured vertically at the mid-length position at the centreline.

1.3.11 Flotation material—material with a density less than water, used to provide buoyancy. Density of flotation material is expressed in kilograms per cubic metre.

1.3.12 Freeing ports—any direct opening through a boat's bulwarks above the weather deck to rapidly drain water overboard.

1.3.13 Fully enclosed boat—a boat capable of being closed up to become watertight.

1.3.14 Gear—personal equipment including clothing, provisions, water, etc.

1.3.15 Gunwale—the upper extremity of the hull at the sides.

1.3.16 Inboard—within the boat.

1.3.17 Inboard motor—an engine mounted within a boat, including inboard/outboard and jet-drive units.

1.3.18 Inboard/outboard motor—a type of inboard motor having inboard mounted engine and outboard mounted drive assembly.

1.3.19 Jet-drive unit—an engine driving an impeller housed in a duct or tunnel and producing a jet of water.

1.3.20 Length—the distance from the foremost part of the stem to the aftermost part of the stern measured along the boat's centreline parallel to the waterline.

1.3.21 Load waterline—the line at which a boat floats in salt-water when carrying its maximum load capacity evenly distributed about the boat.

* Issued by the Australian Gas Association and the Australian Liquefied Petroleum Gas Association Ltd.