

Australian Standard[®]

**General requirements for
buoyancy aids**

This Australian Standard was prepared by Committee CS/60, Buoyancy Aids. It was approved on behalf of the Council of Standards Australia on 18 September 1995 and published on 5 January 1996.

The following interests are represented on Committee CS/60:

Association of Certification Bodies
Australian Canoe Federation
Australian Chamber of Commerce and Industry
Australian Chamber of Manufactures
Australian Maritime Safety Authority
Australian Yachting Federation
Department of Consumer Affairs, N.S.W.
Department of Defence
Department of Sport, Recreation and Racing, N.S.W.
Department of Transport, S.A.
Federal Bureau of Consumer Affairs
Maritime Services Board of N.S.W.
Metal Trades Industry Association of Australia
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New South Wales Water Ski Association
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee on Buoyancy Aids to supersede AS 2259—1988 *General requirements for buoyancy aids*. This Standard is the result of a consensus among Australian and New Zealand representatives on the Joint Committee to maintain separate Australian and New Zealand Standards at this time. It was agreed that, despite this Standard moving closer in technical content to the corresponding New Zealand Standard, NZS 5823, *Buoyancy aids and marine safety harnesses and lines*, further discussion and greater consensus were required before developing a joint Australian/New Zealand Standard. It is anticipated that sufficient consensus will be reached by the time of the next edition for this joint Standard to be produced.

Requirements for the performance of retroreflective materials have been revised from the 1988 edition to align with the minimum performance requirements for retroreflective materials specified in the European Standard EN 471: *High-visibility warning clothing*.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendices. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	4
1.2 OBJECTIVE	4
1.3 APPLICATION	4
1.4 REFERENCED DOCUMENTS	4
1.5 DEFINITIONS	5
SECTION 2 DESIGN AND CONSTRUCTION	
2.1 GENERAL DESIGN	7
2.2 SOURCE OF BUOYANCY	7
2.3 CONSTRUCTION OF BUOYANCY AIDS EMPLOYING CLOSED-CELL PLASTICS AS A SOURCE OF BUOYANCY	8
2.4 CONSTRUCTION OF BUOYANCY AIDS EMPLOYING INFLATABLE CHAMBERS AS A SOURCE OF BUOYANCY	9
2.5 CONSTRUCTION OF BUOYANCY AIDS EMPLOYING KAPOK AS A SOURCE OF BUOYANCY	11
2.6 CONSTRUCTION OF BUOYANCY AIDS EMPLOYING AIR CELLS AS A SOURCE OF BUOYANCY	11
2.7 WEBBING, TAPES AND CORDS	11
2.8 SEWING	11
2.9 FASTENINGS AND FITTINGS	12
2.10 RESISTANCE TO CORROSION	12
SECTION 3 PERFORMANCE	
3.1 STRENGTH OF FASTENING DEVICES	13
3.2 RESISTANCE TO CRUSHING	13
3.3 RESISTANCE TO HEAT	13
3.4 RESISTANCE TO PETROLEUM PRODUCTS	13
3.5 RETROREFLECTIVITY	13
SECTION 4 INFORMATION TO BE SUPPLIED BY THE MANUFACTURER	15
APPENDICES	
A METHOD FOR THE DETERMINATION OF BUOYANCY	16
B METHOD FOR TESTING AIR POROSITY	18
C METHOD FOR TESTING STATE OF VULCANIZATION	19
D METHOD FOR TESTING RESISTANCE TO INADVERTENT OPERATION OF AUTOMATIC INFLATION DEVICES	20
E METHOD FOR TESTING STRENGTH OF WELDS	22
F DYNAMIC LOADING TEST FOR KAPOK BUOYANCY AIDS	23
G A SUITABLE STITCHING FOR USE IN BUOYANCY AID FABRICATION	24
H METHOD FOR TESTING STRENGTH OF FASTENING DEVICES	25
I METHOD FOR EXPOSURE OF BUOYANCY AIDS TO KEROSENE	27
J SELECTING A PFD	28

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STANDARDS AUSTRALIA

Australian Standard

General requirements for buoyancy aids

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies general requirements applicable to buoyancy aids specified in the following Australian Standards:

- AS 1499 Personal flotation devices—Type 2
- AS 1512 Personal flotation devices—Type 1
- AS 2260 Personal flotation devices—Type 3
- AS 2261 Rescue buoys
- AS 2262 Float-off buoyancy aids

1.2 OBJECTIVE The objective of this Standard is to provide a common set of requirements for the performance of buoyancy aids, and the materials they are constructed from, which are consistent with the demands placed on these products as a result of recreational use in a marine environment.

1.3 APPLICATION Buoyancy aids of the types listed in Clause 1.1 shall comply with the requirements of this Standard in addition to the requirements of the relevant Standard for that particular buoyancy aid.

1.4 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

- 1192 Electroplated coatings—Nickel and chromium
- 1441 Methods of test for coated fabrics
- 1441.5 Part 5: Determination of coating and ply adhesion
- 1441.6 Part 6: Determination of resistance to flex cracking
- 1441.8 Part 8: Determination of plasticizer evaporation
- 1499 Personal flotation devices—Type 2
- 1512 Personal flotation devices—Type 1
- 1789 Electroplated coatings—Zinc on iron or steel
- 1790 Electroplated coatings—Cadmium on iron or steel
- 2001 Methods of test for textiles
- 2001.2.10 Part 2.10: Determination of the tear resistance of woven textile fabrics by the wing-rip method
- 2001.2.17 Part 2.17: Determination of resistance of fabrics to water penetration—Hydrostatic pressure test
- 2001.2.19 Part 2.19: Determination of bursting force of textile fabrics—Ball burst method
- 2227 Yachting harnesses and lines—Conventional lines
- 2260 Personal flotation devices—Type 3