

Australian Standard™

Steel drums



This Australian Standard was prepared by Committee PK-001, Metal Drums. It was approved on behalf of the Council of Standards Australia on 26 September 2005. This Standard was published on 19 October 2005.

The following are represented on Committee PK-001:

Australian Institute of Packaging
Australian Institute of Petroleum
Australian Paint Manufacturers Federation
Canmakers Institute of Australia

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This Standard was issued in draft form for comment as DR 05336.

Australian Standard™

Steel drums

Originated as AS K84—1960.
Previous edition AS 2905—1986.
Second edition 2005.

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Published by Standards Australia, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 6949 7

PREFACE

This Standard was prepared by Standards Australia Committee PK-001, Metal Drums, to supersede AS 2905—1986, *Steel drums*. This new edition is the result of a comprehensive review of the Standard.

The objective of this Standard is to specify structural and performance requirements for a range of sizes of steel drums.

This Standard has been revised to include examples of common drum sizes and shapes. The list of definitions has been expanded and updated to reflect current industry usage and to align with other Standards. Drums have been classified according to types and performance levels rather than material specification.

During this revision, the following International Standards were considered:

ISO

15750 Packaging—Steel drums

15750-1 Part 1: Removable head (open head) drums with a minimum total capacity of 208 L, 210 L and 216.5 L

15750-2 Part 2: Non-removable head (tight head) drums with a minimum total capacity of 212 L, 216.5 L and 230 L

15750-3 Part 3: Inserted flange-type closure systems

The Committee considers that there are considerable advantages in having all relevant requirements for all sizes and types of steel drums in the one Standard.

Statements expressed in mandatory terms in footnotes to tables are deemed to be requirements of this Standard.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of the Standard, while an ‘informative’ appendix is only for guidance and information.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	4
1.2 APPLICATION	4
1.3 REFERENCED DOCUMENTS	4
1.4 DEFINITIONS	5
1.5 PERFORMANCE	8
1.6 MARKINGS	8
SECTION 2 DESIGN AND MANUFACTURING REQUIREMENTS	
2.1 COMPLIANCE WITH ISO STANDARDS	9
2.2 STEEL REQUIREMENTS	9
2.3 DESIGN AND MANUFACTURE	9
2.4 TESTING OF DRUMS	10
SECTION 3 TYPE TESTS	
3.1 SCOPE AND APPLICATION OF SECTION	16
3.2 DROP TEST	16
3.3 LEAKAGE TEST	16
3.4 INTERNAL HYDRAULIC PRESSURE TESTS	16
APPENDICES	
A INFORMATION TO BE SUPPLIED WITH ENQUIRY OR ORDER	17
B METHOD OF TEST FOR HANDLE STRENGTH	18
C DRAINING TESTS FOR CLOSED-HEAD DRUMS HAVING CAPACITIES GREATER THAN 200 L	19
D DROP TEST	21
E LEAKAGE TESTS	23
F HYDRAULIC PRESSURE TESTS	25

STANDARDS AUSTRALIA

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies stock sizes and performance requirements for steel drums having a nominal base diameter of 220 mm or greater, and a maximum nominal capacity of 250 L. It describes both open-head drums and closed-head drums.

For the purpose of this Standard, the term ‘drum’ also includes containers commonly referred to as ‘pails’.

This Standard describes specifications and type-testing only. Relevant parties should decide upon acceptable quality levels (AQLs) based on the relevant part of the AS 1199 series.

1.2 APPLICATION

This Standard applies principally to drums for the packaging of contents that require normal protection.

NOTE: Drums manufactured to this Standard may also be suitable for the transport of dangerous goods if approved and marked in accordance with the requirements of the legislation applicable to the chosen mode of transport.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

- | | |
|--------|---|
| 1199 | Sampling procedures for inspection by attributes (series) |
| 1517 | Tinplate and blackplate |
| 2582 | Complete, filled transport packages—Methods of test |
| 2582.3 | Method 3: Stacking tests using a static load |
| 2582.4 | Method 4: Vertical impact test by dropping |
| 2582.8 | Method 8: Internal hydraulic pressure test |

AS/NZS

- | | |
|------|---|
| 1365 | Tolerances for flat-rolled steel products |
| 1595 | Cold-rolled, unalloyed, steel sheet and strip |

ISO

- | | |
|---------|---|
| 15750 | Packaging—Steel drums |
| 15750-1 | Part 1: Removable head (open head) drums with a minimum total capacity of 208 L, 210 L and 216.5 L |
| 15750-2 | Part 2: Non-removable head (tight head) drums with a minimum total capacity of 212 L, 216.5 L and 230 L |
| 15750-3 | Part 3: Inserted flange-type closure systems |