

AS 2179

Under revision DR 92065
Superseded by AS/NZS 2179.1:1994

AS 2179—1986
UDC 696.121 + 624.953

Australian Standard[®] 2179—1986

METAL RAINWATER GOODS— SPECIFICATION



STANDARDS ASSOCIATION OF AUSTRALIA
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This Australian standard was prepared by Committee WS/20, Metal Rainwater Goods. It was approved on behalf of the Council of the Standards Association of Australia on 16 December 1985 and published on 3 February 1986.

The following interests are represented on Committee WS/20:

Aluminium Development Council
Australian Zinc Development Association
Building Regulations Committee, Victoria
Bureau of Steel Manufacturers of Australia
Confederation of Australian Industry
Copper Development Association of Australia Limited
Department of Housing & Construction (Commonwealth)
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This standard was issued in draft form for comment as DR 82155. ✓

AUSTRALIAN STANDARD

METAL RAINWATER GOODS— SPECIFICATION

AS 2179—1986

First published	1978 ✓
Second Edition	1986

**PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA
STANDARDS HOUSE, 80 ARTHUR ST, NORTH SYDNEY, N.S.W.**

ISBN 0 7262 4045 1



PREFACE

This edition of this standard was prepared by the Association's Committee on Metal Rainwater Goods to supersede AS 2179—1978, Metal Rainwater Goods.

Published concurrently with this standard is the second edition of AS 2180, Metal Rainwater Goods—Selection and Installation.

This standard differs from the previous edition as follows:

- (a) It is now published as a separate standard and is no longer bound together with AS 2180.
- (b) Section 3 now relates to dimensions, with the design and construction requirements being incorporated in AS 2180.
- (c) The tables in Section 3 have revised values.
- (d) Section 4 is new and details requirements for rainwater storage tanks.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
for
METAL RAINWATER GOODS—SPECIFICATION

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This standard specifies requirements for metal rainwater goods. It applies also to metal accessories, metal fasteners, and metal tanks for storage of rainwater.

NOTE: Guidelines on requirements that must be specified by the purchaser and by the supplier and/or manufacturer, and those that must or may be agreed upon at the time of enquiry or order, are detailed in Appendix A.

1.2 APPLICATION. Metal rainwater goods and tanks, metal accessories and metal fasteners shall comply with the relevant Sections of this standard as follows:

Section 1—Scope and General
Section 2—Materials
Section 3—Dimensions
Section 4—Rainwater Storage Tanks
Section 5—Marking

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

AS 1397	Steel Sheet and Strip—Hot-dipped Zinc-coated or Aluminium/Zinc Coated
AS 1432	Copper Tubes for Water, Gas and Sanitation
AS 1444	Wrought Alloy Steels—AISI-SAE Standard, Hardenability (H) and Stainless Series
AS 1445	76 mm Pitch Corrugated Hot-dipped Zinc-coated or Aluminium/Zinc-coated Steel Sheet
AS 1449	Wrought Alloy Steels—Stainless and Heat-resisting Steel Plate, Sheet and Strip
AS 1566	Copper and Copper Alloys—Rolled Flat Products
AS 1567	Copper and Copper Alloys—Wrought Rods, Bars and Sections
AS 1572	Copper and Copper Alloys—Seamless Tubes for Engineering Purposes
AS 1573	Copper and Copper Alloys—Wire for Engineering Purposes
AS 1650	Galvanized Coatings
AS 1734	Wrought Aluminium and Aluminium Alloy Flat Sheet, Coiled Sheet, and Plate for General Engineering Purposes
AS 1789	Electroplated Coatings—Zinc on Iron or Steel
AS 1866	Wrought Aluminium and Aluminium Alloy Extruded Rod, Bar, Solid and Hollow Shapes for General Engineering Purposes

AS 1867	Wrought Aluminium and Aluminium Alloy Drawn Tubes for General Engineering Purposes
AS 1874	Aluminium Ingots and Aluminium Alloy Ingots and Castings
AS 1881	Zinc Alloy Ingots (for Pressure Die-casting) and Zinc Alloy Pressure Die-castings
AS 1897	Electroplated Coatings on Threaded Components (Metric Coarse Series)
AS 2180	Metal Rainwater Goods—Selection and Installation.
ASTM/A167	Standard specification for Stainless and heat-resisting Chromium-Nickel, steel plate, sheet and strip
ASTM B164	Standard Specification for Nickel-Copper Alloy Rod, Bar and Wire

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

1.4.1 Rainwater goods—includes eaves guttering, box guttering, ogee guttering, valley guttering, ridge and hip capping, barge capping, parapet flashing, downpipes, and rainwater tanks.

1.4.2 Accessories—includes barge rolls, stop ends, gutter straps, elbows and bends, gutter mitres, flashings, nozzles, notched birdproofing, and downpipe straps.

NOTE: Downpipe straps are also known as 'straps' and 'astragals'.

1.4.3 Girth size—width of the blank or coil strip from which the component is formed.

1.5 DESIGNATION.

1.5.1 General. Metal rainwater goods shall be designated according to—

- (a) function;
- (b) material of construction; and
- (c) size.

1.5.2 Function. The designations according to function shall be as follows:

<i>Function</i>	<i>Designation</i>
Eaves gutter, ogee	EO
Eaves gutter, quad	EQ
Eaves gutter, rectangular	ER
Internal gutter, box	IB
Valley gutter, vee	VV
Capping, ridge	CR
Downpipe, circular	DC
Downpipe, rectangular	DR
Downpipe, square	DS