

Australian Standard™

Access covers and grates

STANDARDS
Australia



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Access covers and grates

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PREFACE

This Standard was prepared by the Standards Australia Committee CE-029, Access Covers and Grates, to supersede AS 3996—1992, *Metal access covers, road grates and frames*.

The objective of this Standard is to provide designers, manufacturers and purchasers of access covers and grates with a specification for design, supply and testing.

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 a Standard, whereas an ‘informative’ appendix is only for information and guidance.

Notes to Tables and Figures expressed in mandatory terms are deemed to be requirements of this Standard. Notes to text are for information and guidance only.

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for access covers and grates for use in vehicular and pedestrian areas. It applies to access covers and grates having clear openings up to 1300 mm, particularly to components manufactured from grey and ductile irons, cast and manufactured steels, aluminium and concrete. However, the use of other materials is not precluded.

NOTES:

- 1 Use of other materials is covered in Clause 2.8.
- 2 The hydraulic design of access covers and grates is not within the scope of this Standard.

1.2 APPLICATION

Means for demonstrating compliance with this Standard shall be as specified in Appendix A.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this standard.

AS

1199	Sampling procedures for inspection by attributes
1199.1	Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection
1379	Specification and supply of concrete
1428	Design for access and mobility
1428.2	Enhanced and additional requirements—Buildings and facilities
1554	Structural steel welding
1554.1	Part 1: Welding of steel structures
1830	Grey cast iron
1831	Ductile cast iron
1574	Aluminium and aluminium alloys—Ingots and castings
5000	Concrete structures
3678	Structural steel—Hot-rolled plates, floorplates and slabs
3679	Structural steel
3679.1	Part 1: Hot-rolled bars and sections
5100	Bridge design
5100.2	Part 2: Design loads