

Australian/New Zealand Standard™

**Conduits and fittings for electrical
installations**

Part 7: Rigid metal conduits and fittings

AS/NZS 2053.7:2002

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-004, Electrical Accessories. It was approved on behalf of the Council of Standards Australia on 13 August 2002 and on behalf of the Council of Standards New Zealand on 20 August 2002. It was published on 16 September 2002.

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Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
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Consumer Electronics Suppliers Association
Electricity Supply Association of Australia
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Australian/New Zealand Standard™

Conduits and fittings for electrical installations

Part 7: Rigid metal conduits and fittings

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004, Electrical Accessories to supersede AS/NZS 2053.7:1995, *Conduits and fittings for electrical installations, Part 7: Rigid metal conduits and fittings*.

The objective of this Standard is to provide manufacturers, regulators, test laboratories and users with specific requirements for rigid metal conduits and fittings.

This Joint Standard is Part 7 of the following series:

AS/NZS

| | |
|--------|---|
| 2053 | Conduits and fittings for electrical installations |
| 2053.1 | Part 1: General requirements |
| 2053.2 | Part 2: Rigid plain conduits and fittings of insulating material |
| 2053.3 | Part 3: Rigid plain conduits and fittings of fibre-reinforced concrete material |
| 2053.4 | Part 4: Flexible plain conduits and fittings of insulating material |
| 2053.5 | Part 5: Corrugated conduits and fittings of insulating material |
| 2053.6 | Part 6: Profile-wall, smooth-bore conduits and fittings of insulating material |
| 2053.7 | Part 7: Rigid metal conduits and fittings (this Standard) |
| 2053.8 | Part 8: Flexible conduits and fittings of metal or composite material |

The clauses in this Part add to, or modify, the corresponding clauses in Part 1. Where the text of this Part indicates an 'addition' or a 'replacement' of the relevant clause of Part 1, these changes are made to the relevant text in Part 1 which then becomes part of the Standard.

Where no change is necessary, the words, 'This Clause in Part 1 is applicable' are used in this Part.

Clauses and figures supplementary to those in Part 1 are numbered from 101. Additional appendices are called AA, BB, and so on.

This Standard was revised to incorporate Amendment No. 1 to AS/NZS 2053.7:1995 and to introduce editorial changes and the following technical changes:

- (a) Introduction of requirements for non-threadable conduits and fittings.
- (b) Application to 'heavy' and 'very heavy' duty.
- (c) Instructional material for jointing non-threadable conduits and fittings.

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

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Australian/New Zealand Standard
Conduits and fittings for electrical installations

Part 7: Rigid metal conduits and fittings

1 SCOPE AND REFERENCED DOCUMENTS**1.1 Scope**

This Standard specifies requirements for threadable and non-threadable, plain rigid, metal conduits and fittings in sizes 20 mm to 50 mm OD.

This Standard is to be read in conjunction with AS/NZS 2053.1. The requirements of Part 1 apply except where they are added to, or modified, by this Standard.

1.2 Referenced documents

This Clause in Part 1 is applicable, except as follows:

Addition:

AS

1014 Gauging of metric screw threads

1721 General purpose metric screw threads

AS/NZS

2053 Conduits and fittings for electrical installations

2053.1 Part 1: General requirements

2 DEFINITIONS

This Clause in Part 1 is applicable.

3 GENERAL REQUIREMENTS

This Clause in Part 1 is applicable.

4 GENERAL NOTES ON TESTS

This Clause in Part 1 is applicable, except as follows:

Replacement:

4.4 Length of conduit specimens

Three lengths of finished conduit are required from which the test pieces for the various tests are taken, one from each length.

5 CLASSIFICATION

This Clause in Part 1 is applicable, except as follows:

Items 5.1(b), (c) and (d), 5.3(a), (b) and (c), 5.4(b), (c) and (d), 5.6(b), 5.8.3.2(a), (b) and (c) are not applicable.