

Australian Standard<sup>®</sup>

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**Traffic signal posts and attachments**

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This Australian Standard was prepared by Committee LG/6, Road Traffic Signals. It was approved on behalf of the Council of Standards Australia on 10 December 1996 and published on 5 April 1997.

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The following interests are represented on Committee LG/6:

Australian Chamber of Manufactures  
Australian Electrical and Electronic Manufacturers Association  
ARRB Transport Research  
AUSTROADS  
Brisbane City Council  
Department of Transport S.A.  
Department of Urban Services A.C.T.  
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Roads and Traffic Authority of N.S.W.  
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*This Standard was issued in draft form for comment as DR 96077.*

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Originated as AS 2339—1980.  
Previous edition 1987.  
Third edition 1997.

## PREFACE

This Standard was prepared by the Standards Australia Committee LG/6, Road Traffic Signals, to supersede AS 2339—1987. It is one of a number of Standards that set out requirements for the equipment associated with traffic signal installations. As at the date of publication of this Standard, these include the following:

### AS

- 2144 Traffic signal lanterns
- 2276 Cables for traffic signal installations
  - 2276.1 Part 1: Multicore power cables
  - 2276.2 Part 2: Feeder cable for vehicle detectors
  - 2276.3 Part 3: Loop cable for vehicle detectors
- 2339 Traffic signal posts and attachments (this Standard)
- 2353 Pedestrian push-button assemblies
- 2578 Traffic signal controllers
  - 2578.1 Part 1: Physical and electrical compatibility
- 2703 Vehicle loop detector sensors
- 2979 Traffic signal mast arms
- 4113 Traffic signal lamps
  - 4113.1 Part 1: Lamps for 240 V a.c. operation
  - 4113.2 Part 2: Lamps for a.c. operation at extra-low voltage
- 4191 Portable traffic signal systems

### AS/NZS

- 4192 Illuminated flashing arrow signs

The objective of this Standard is to specify requirements for the form, dimensions, material and finish of tubular steel posts and attachments used for the support of traffic signal lanterns, pedestrian push-button assemblies and ancillary equipment. It is intended for application by road and traffic authorities and their suppliers to facilitate the manufacture, purchase and use of the posts and attachments.

The objective of this edition is to introduce a variety of alterations, found to be necessary, arising from the application of the 1987 edition of the Standard. In particular, the dimensions of the lugs of lower mounting brackets have been changed to facilitate the use of a mechanism for locking lantern mounting straps in position. Details of one form of locking mechanism have been included in an informative appendix.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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STANDARDS AUSTRALIA

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**Australian Standard**

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SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE** This Standard specifies requirements for the form, dimensions, material and finish of tubular steel posts and attachments used for the support of traffic signal lanterns, pedestrian push-button assemblies and ancillary equipment. It does not apply to special overhead structures, such as mast arms and gantries, which may be used for this purpose.

NOTES:

- 1 Appendix A lists the information which should be supplied with an enquiry or order for traffic signal posts and attachments complying with this Standard.
- 2 Requirements for traffic signal mast arms are specified in AS 2979.

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

AS

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|--------|---|
| 1074   | Steel tubes and tubulars for ordinary service                                       |
| 1214   | Hot-dip galvanized coatings on threaded fasteners (ISO metric coarse thread series) |
| 1449   | Wrought alloy steels—Stainless and heat-resisting steel plate, sheet and strip      |
| 1554   | Structural steel welding (known as the SAA Structural Steel Welding Code)           |
| 1554.1 | Part 1: Welding of steel structures   |
| 1650   | Hot-dipped galvanized coating on ferrous articles                                   |
| 1798   | Lighting poles and bracket arms—Preferred dimensions                                |
| 1939   | Degrees of protection provided by enclosures for electrical equipment (IP Code)     |
| 2144   | Traffic signal lanterns   |
| 2276   | Cables for traffic signal installations   |
| 2276.1 | Part 1: Multi-core power cables   |
| 2700   | Colour standards for general purposes   |
| 2837   | Wrought alloy steels—Stainless steel bars and semi-finished products                |
| 2979   | Traffic signal mast arms  |
| 3000   | Approval and test specification—General requirements for electrical equipment       |

AS/NZS

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|--------|---|
| 2053   | Conduits and fittings for electrical installations                  |
| 2053.4 | Part 4: Flexible plain conduits and fittings of insulating material |

**1.3 DEFINITIONS** For the purpose of this Standard, the definitions given in AS 2144 and those below apply.

NOTE: See Appendix B for an illustration of the terms defined below.