

Australian Standard™

**Road vehicles—Roof load carriers—  
Roof bars**

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This Australian Standard was prepared by Committee CS/79, Car Roof Bars. It was approved on behalf of the Council of Standards Australia on 14 December 1999 and published on 15 February 2000.

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Australian Automotive Aftermarket Association  
Australian Chamber of Commerce and Industry  
Australian Industry Group  
Australian Retailers Association  
Federal Chamber of Automotive Industries  
Federation of Automotive Products Manufacturers  
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**Road vehicles—Roof load carriers—  
Roof bars**

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## PREFACE

This Standard was prepared by the Standards Australia Committee CS/79, Car Roof Bars to supersede AS 1235—1991, *Roof racks and roof bars for passenger vehicles*. The Standard is an adoption with national modifications (see Appendix ZZ) and has been reproduced from ISO 11154-1:1995, *Road vehicles—Roof load carriers, Part 1: Roof bars*.

The objective of this Standard is to provide manufacturers, importers, testing bodies, specifiers, purchasing authorities, retailers and users with safety requirements which include technical specifications and test methods for roof bars intended to fit on passenger cars or light commercial vehicles.

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.

Appendix ZZ lists the Australian variations to ISO 11154-1. In the text of this Standard, marginal bars are added to the text wherever the requirements of the Standard have been varied to meet Australian requirements, and these variations are detailed in Appendix ZZ.

As this Standard is reproduced from an International Standard, the following apply:

- (a) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (b) In the source text 'this part of ISO 11154' should read 'this Australian Standard'.
- (c) A full point substitutes for a comma when referring to a decimal marker.

ISO 11154-1 is the first Part of an intended series of International Standards. Other parts in this series are to be as follows:

Part 2: Accessories and attachments to roof bars for special purpose applications

Part 3: Specific purpose roof devices

Part 4: Magnetic and vacuum-fixed devices

These International Standards will be considered for adoption as Australian Standards by Committee CS/79 when they are published.

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## AUSTRALIAN STANDARD

**Road vehicles—Roof load carriers—Roof bars****1 Scope**

This part of ISO 11154 specifies the minimum safety requirements for roof bars intended for mounting on or above the roofs of passenger cars or light commercial vehicles with a maximum authorized total mass (ISO-M08) as defined in ISO 1176 up to 3,5 t.

It applies to general-use roof bars suitable for carrying load, excluding magnetic and vacuum-fixed devices (see note 1).

It establishes technical specifications and test methods which offer both the user of roof bars and road users a minimum level of safety when the roof bars are being used in accordance with the manufacturer's instructions.

Moreover, requirements of ISO 11154 complete the provisions of Directive 74/483/EEC<sup>1)</sup> concerning these products.

NOTE 1 The other parts of ISO 11154 are as follows:

- part 2 covers additional accessories intended to be fitted on general purpose roof bars;
- part 3 covers specific purpose roof devices;
- part 4 covers magnetic and vacuum-fixed devices.

**2 Normative references**

The following standards contain provisions which, through reference in this text, constitute provisions

<sup>1)</sup> European Council Directive 74/483/EEC on the *approximation of the laws of the Member States relating to the external projections of motor vehicles*, 17 September 1974.

of this part of ISO 11154. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 11154 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 612:1978, *Road vehicles — Dimensions of motor vehicles and towed vehicles — Terms and definitions*.

ISO 1176:1990, *Road vehicles — Masses — Vocabulary and codes*.

ISO 9227:1990, *Corrosion tests in artificial atmospheres — Salt spray tests*.

European Commission Directive 79/488/EEC *adapting to technical progress Council Directive 74/483/EEC on the approximation of the laws of the Member States relating to the external projections of motor vehicles*, 18 April 1979.

**3 Definitions**

For the purposes of this part of ISO 11154, the following definitions apply.

**3.1 roof bar:** Supporting bar with connecting devices which enables a load to be carried on the roof of a vehicle.