



Portable ramps for vehicles

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This Australian Standard® was prepared by Committee CS-115, Vehicle Jacks, Stands and Ramps. It was approved on behalf of the Council of Standards Australia on 29 April 2016. This Standard was published on 24 May 2016.

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 - Australian Automotive Aftermarket Association
 - Australian Chamber of Commerce and Industry
 - Australian Competition and Consumer Commission
 - Consumers Federation of Australia
 - Defence Work Health and Safety Branch
 - Federal Chamber of Automotive Industries
 - Institute of Automotive Mechanical Engineers
 - National Association of Testing Authorities Australia
 - National Retail Association
 - Society of Automotive Engineers—Australasia
 - Victorian Workcover Authority
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This Standard was issued in draft form for comment as Draft AS 2540:2015.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Australian Standard[®]

Portable ramps for vehicles

Original as AS 2640—1983.
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PREFACE

This Standard was prepared by the Standards Australia Committee CS-115, Vehicle Stands and Vehicle Ramps, to supersede AS/NZS 2640:1994.

The Standard was originally prepared in response to a request from the Ministry of Consumer Affairs, Victoria, which was concerned about the poor quality of some car ramps following the collapse of a ramp after a car had been driven onto it.

This edition of the Standard incorporates updates to the instructions for use in Section 7 and the addition of a test for overtravel in Appendix A.

The objective of this Standard is to specify requirements for the design, construction, performance and marking of portable vehicle ramps consisting of an incline, platform and barrier stop. This Standard aims to ensure, through minimum performance requirements, that portable vehicle ramps are sufficiently robust, constructed and designed so that they will be stable and will not damage the vehicle or cause injury to any person when used in their intended manner.

Other relevant Standards in related areas are as follows:

AS	
2538	Vehicle support stands
2615	Trolley jacks
AS/NZS	
2693	Vehicle jacks

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendices to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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STANDARDS AUSTRALIA

Australian Standard
Portable ramps for vehicles

1 SCOPE

This Standard specifies requirements for the design, construction, performance and marking of portable vehicle ramps consisting of an incline, platform and barrier stop.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
1192	Electroplated coatings—Nickel and chromium
1789	Electroplated zinc (electrogalvanised) coatings on ferrous articles (batch process)
4833	Pressure-sensitive labels for stock-paper, stock-plastic and general purpose use
HB 295	Product Safety Framework
295.3.5	Part 3.5: Product safety warning labels and marking
AS/NZS	
3750	Paints for steel structures
3750.15	Part 15: Inorganic zinc silicate paint
ISO	
4526	Metallic coatings—Electroplated coatings of nickel for engineering purposes

3 DEFINITIONS

For the purpose of this Standard, the definitions below apply.

3.1 Angle of incline portion

The angle between the incline and the base plane.

3.2 Base plane

The plane which includes the points of contact between the base of the vehicle ramp and the surface upon which it rests.

3.3 Base width

The minimum width measured across the base of a vehicle ramp.

NOTE: See Figure 1.

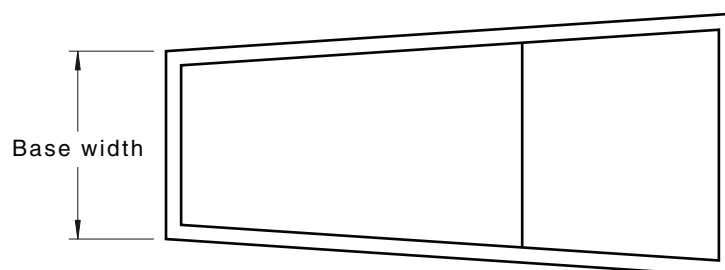


FIGURE 1 BASE WIDTH OF A TYPICAL VEHICLE RAMP