

Australian/New Zealand Standard™

## Hydraulic trolley jacks

## **AS/NZS 2615:2004**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CS-055, Car Jacks and Trolley Jacks. It was approved on behalf of the Council of Standards Australia on 7 April 2004 and on behalf of the Council of Standards New Zealand on 30 April 2004. It was published on 27 May 2004.

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The following are represented on Committee CS-055:

Australian Automobile Association  
Australian Automotive Aftermarket Association  
Australian Competition and Consumer Commission  
Australian Industry Group  
Australian Retailers Association  
Certification Bodies (Australia)  
Competition and Consumer Policy Division, Department of the Treasury  
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Consumers Federation of Australia  
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## Hydraulic trolley jacks

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CS-055, Car Jacks and Trolley Jacks to supersede AS/NZS 2615:1995.

The Standard was originally prepared in response to requests from the Victorian Automobile Chamber of Commerce and the Consumers Association of Victoria, which were concerned about the safety and quality of manufacture of hydraulic trolley jacks.

In this revision, Appendix F has been added, which sets out the method for determining the load which a hydraulic trolley jack can lift using an operating force on the handle of not more than 450 N.

Suppliers of hydraulic trolley jacks should take cognizance of the regulations under the Trade Practices Act relating to the supply of these products.

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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## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

**Australian/New Zealand Standard****Hydraulic trolley jacks****1 SCOPE**

This Standard specifies requirements for the design, construction, performance and labelling of hydraulic trolley jacks designed to raise vehicles. It does not include devices that raise an entire vehicle.

Requirements for vehicle jacks, i.e. jacks in which the load is directly transferred from the head cap to the base, are specified in AS/NZS 2693.

**2 OBJECTIVE**

The objective of this Standard is to provide manufacturers, importers, consumers, retailers and testing bodies with a set of performance requirements which include technical specifications and test methods for hydraulic trolley jacks.

**3 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

AS

- |      |   |
|------|---|
| 1192 | Electroplated coatings—Nickel and chromium  |
| 1789 | Electroplated zinc (electrogalvanized) coatings on ferrous articles (batch process) |
| 2581 | Pressure-sensitive adhesive labels for general purpose use                          |

AS/NZS

- |         |  |
|---------|--|
| 2693    | Vehicle jacks                          |
| 3750    | Paints for steel structures            |
| 3750.15 | Part 15: Inorganic zinc silicate paint |

**4 DEFINITIONS**

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

**4.1 Base plane**

The plane of contact between the wheels of the hydraulic trolley jack and the surface upon which the wheels rest (see Figure 1).

**4.2 Head cap**

The point of contact of the hydraulic trolley jack with the vehicle (see Figure 1).

**4.3 Hydraulic trolley jack**

A hydraulic trolley jack mounted on a chassis which may be provided with wheels (which may or may not be used to transmit the load) for manoeuvring the hydraulic trolley jack, and which has a handle to position the hydraulic trolley jack under the vehicle and has hydraulic cylinders filled with hydraulic fluid to lift the vehicle.