

Australian Standard™

**Commercial road vehicles —
Interchangeable quick connect/release
couplings for use with air-pressure
braking systems**



Standards Australia

This Australian Standard was prepared by Committee ME/53, Heavy Road Vehicles. It was approved on behalf of the Council of Standards Australia on 14 March 2000 and published on 8 June 2000.

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ARRB Transport Research
Austroads
Australian Road Transport Suppliers Association
Commercial Vehicle Industry Association of Australia
Department of Defence (Australia)
Department of Transport and Regional Development (Australia)
Federal Chamber of Automotive Industries
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME/53, Heavy Road Vehicles as a revision of AS D8—1971, *Hose couplings for use with vacuum and air-pressure braking systems on prime movers, trailers and semi-trailers*, which was withdrawn in July 1997.

In the preparation of this Standard, consideration was given to ISO 1728, *Road vehicles—Pneumatic braking connections between motor vehicles and towed vehicles—Interchangeability*; ISO 6786, *Road vehicles—Air braking systems—Identification of connections on units*, and SAE J318, *Air brake gladhand service (control) and emergency (supply) line couplers—Trucks, truck-tractors and trailers*. The assistance gained from these documents is acknowledged.

This Standard is the result of a consensus among the representatives on the Joint Committee to produce it as an Australian Standard.

Statements expressed in mandatory terms in footnotes to figures are deemed to be requirements of this Standard.

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STANDARDS AUSTRALIA

Australian Standard

Commercial road vehicles—Interchangeable quick connect/release couplings for use with air-pressure braking systems

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies the requirements for the design, dimensions and identification of couplings for air-pressure braking systems on towing vehicles, trailers and semitrailers.

1.2 OBJECTIVE

The objective of this Standard is to establish the dimensional, identification and installation criteria for couplings to improve safety, interchangeability and productivity in the road transport industry.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

2213 Commercial road vehicles—Mechanical connections between towing vehicles

2213.2 Part 2: 50 mm pin-type couplings and drawbar eyes

2213.3 Part 3: 40 mm pin-type couplings and drawbar eyes

ADR*

Dictionary—Australian Vehicle Standards Rules

1.4 DEFINITIONS

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

1.4.1 Air-pressure braking system

A braking system which is activated by the application of air pressure.

1.4.2 Axle

The axis of rotation of wheels.

1.4.3 Axle group

A single axle, tandem axles, triaxles, or close-coupled axles.

1.4.4 Control line

The device that transmits the control signal from the towing vehicle to activate the braking system of a towed vehicle(s).

NOTE: The control line is often called the 'service line' in air-pressure braking systems.

* Australian Design Rules for Motor Vehicles and Trailers. This reference refers to the latest edition of the design rule, in place at the time this Standard is used.