



Vehicle Standard (Australian Design Rule 62/02 – Mechanical Connections Between Vehicles) 2007 Amendment 1

I, ANTHONY NORMAN ALBANESE, Minister for Infrastructure, Transport,
Regional Development and Local Government, determine this vehicle standard under
section 7 of the *Motor Vehicle Standards Act 1989*.

Dated 28 January 2010

[Signed]

Anthony Norman Albanese

Minister for Infrastructure, Transport, Regional Development and Local Government

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1. LEGISLATIVE PROVISIONS

1.1. Name of Legislative Instrument

1.1.1. This instrument is the Vehicle Standard (Australian Design Rule 62/02 – Mechanical Connections Between Vehicles) 2007 Amendment 1.

1.2. Commencement

1.2.1. This instrument commences on the day after it is registered.

2. AMENDMENT OF VEHICLE STANDARD

2.1. The changes specified in Schedule 1 amend Vehicle Standard (Australian Design Rule 62/02 – Mechanical Connections Between Vehicles) 2007.

SCHEDULE 1

- [1] Clause 13.3.1.1.2 amend to read “For vehicles towing trailers over 23.5 tonnes ‘ATM’, and ‘Converter Dollies’ the lesser of 350 kN; or”
- [2] Clause 13.4.2.1 amend to read “Longitudinal tension (N) = 9.81 x ‘ATM’ (kg); and”
- [3] Clause 13.4.2.2 amend to read “vertical tension (N) = 0.5 x 9.81 x ‘ATM’ (kg).”
- [4] Clause 14.2.1.1.2 amend to read “For trailers over 23.5 tonnes ‘ATM’ and all ‘Converter Dollies’, the lesser of 350 kN or 2.25 x ‘Coupling’ ‘D-value’ (kN) for the ‘Coupling’ ‘D-value’ at which the ‘Drawbar’ is rated.”
- [5] Clause 14.3.1.3 amend to read “For trailers over 3.5 tonnes ‘ATM’, the safety chain must be made from steel of a minimum 800 MPa breaking stress, conforming to the mechanical properties of Grade T chain as specified in AS 2321 - 2001 Short Link Chain for Lifting Purposes and must be of a size such that the minimum breaking load exceeds the ‘ATM’, or a size as shown in Table 1.”
- [6] Following clause 14.3.1.3 insert table as shown:

‘Aggregate Trailer Mass’ (tonnes)	Chain Size (millimetres)	Minimum Chain Breaking Load (tonnes)
Over 3.5 and up to 5.0	6	5.1
Over 5.0 and up to 8.0	8	8.2
Over 8.0 and up to 12.5	10	12.8
Over 12.5 and up to 21.5	13	21.7
Over 21.5 and up to 32.5	16	32.8
Over 32.5	19	46.5

Table 1: Safety Chain Size Selection

- [7] Clause 14.4.2.1 amend to read “Longitudinal tension (N) = 9.81 x ‘ATM’ (kg); and”
- [8] Clause 14.4.2.2 amend to read “vertical tension (N) = 0.5 x 9.81 x ‘ATM’ (kg).”
- [9] Insert new clause 5.2 “The ‘Tow Coupling Overhang’ must not exceed, in the case of an NC vehicle designed for use in ‘Road Trains’, 2.7m.”