

HVSC VIRM UPDATE – 6 MARCH 2019

Changes highlighted in yellow.

9-1 Drawbeams

Reasons for rejection

11. A drawbeam has been welded by an operator who is not known or is not qualified in both process and position and the calculated weld stress is greater than 75% of the allowable stress stated in the applicable standard.

9-2 Drawbars

Reasons for rejection

22. A drawbar has been welded by an operator who is not known or is not qualified in both process and position and the calculated weld stress is greater than 75% of the allowable stress stated in the applicable standard.

9-4 Fifth wheels and kingpins

Applicable references

AS 2174-2006: Articulated Vehicles – Mechanical coupling between Prime movers and semitrailers – interchangeability requirements.

UN/ECE Regulation 55: Uniform Provisions Concerning the Approval of Mechanical Coupling Components of Combinations of Vehicles E/ECE/342/Rev.1/Add.54/Rev.1/E/ECE/TRANS/505.

AS 2175-1995: Articulated Vehicles – Kingpins

AS 4235-1994: Articulated Vehicles – Design Criteria for Fifth Wheel Skid Plates.

Applicable legislation

Land Transport Rule: Vehicle Dimension and Mass 2016

Reasons for rejection

1. A fifth wheel designed to accept a 50mm kingpin has not been mounted in accordance with NZS 5450 or AS/NZS 4968.1 and AS/NZS 4968.2 and AS 2174 or, if fitted as original equipment on an imported powered vehicle, to UN/ECE Reg 55.

2. A fifth wheel designed to accept a 90mm kingpin has not been mounted in accordance with AS 1773, AS 1771 or, if fitted after 29 December 2007, AS/NZS 4968.1 and AS/NZS 4968.2.

3. A vehicle fitted with a fifth wheel designed to accept a 90mm kingpin does not comply with AS/NZS 2174-1994 or, if fitted after 29 December 2007, AS 2174-2006.

4. A 50mm kingpin has not been mounted in accordance with NZS 5451 or AS/NZS 4968.1 and AS/NZS 4968.2 and AS 2174 or, if fitted as original equipment on an imported vehicle, to UN/ECE Reg 55.

5. A 90mm kingpin has not been mounted in accordance with AS/NZS 2175 and AS/NZS 2174.

6. A vehicle fitted with a 90mm kingpin does not comply with AS/NZS 4968.1, AS/NZS 4968.3 and AS 2174 if fitted after 29 December 2007.

8. A kingpin other than a 50mm or 90mm diameter kingpin has been fitted unless it is a tow ball or socket as part of a dedicated combination and certified to NZS 5446.

11. A fifth wheel other than one designed to fit a 50mm or 90mm kingpin has been used unless it is a tow ball or socket as part of a dedicated combination and certified to NZS 5446.

10-1 Load retention-

Reasons for rejection

16. For an imported vehicle fitted with load retention equipment, any welding of load retention equipment does not comply on visual inspection with section 6 of AS/NZS 1554.1.

17. For an imported vehicle fitted with load anchorages, where compliance of the load anchorages is established by calculation and the welder is unknown or unqualified, the weld design stress exceeds 75% of the permissible weld design stresses.