

Information Sheet

Multiple Loads on Class 1 Load-Carrying Vehicles

Purpose

To clarify the Heavy Vehicle National Law (HVNL) requirements when transporting more than one large indivisible item or other goods with a large indivisible item on Class 1 load-carrying vehicles.

Definitions

A **class 1 heavy vehicle** is one that due to its construction or when carrying a large indivisible item, does not comply with a prescribed mass or dimension requirement applying to it.

These include oversize overmass vehicles, special purpose vehicles and agricultural vehicles.

E.g. a common class 1 heavy vehicle is a combination of a prime mover towing a low loader (i.e. a load-carrying vehicle).

Large indivisible item means an item that:

- (a) cannot be divided without extreme effort, expense or risk of damage to it; and
- (b) cannot be carried on any heavy vehicle without contravening a mass requirement or dimension requirement.

Load-carrying vehicle means a heavy vehicle carrying, or designed for the purpose of carrying, a large indivisible item, including, for example, a combination including a low loader.

Please note:

- There are a number of class 1 notices that authorise the use of oversize overmass vehicles that do not comply with prescribed mass or dimension requirements. The following can be found here www.nhvr.gov.au/road-access/access-management/applications/oversize-overmass-permit
- If your oversize overmass heavy vehicle is not exempted from prescribed mass or dimension requirements by an existing class 1 notice, you are required to obtain a permit from the NHVR.

Requirements for Carrying Multiple Items

Under Schedule 8, Part 1, Division 2, and Section 13 of the Regulation:

- (1) A load-carrying vehicle must not carry more than 1 large indivisible item unless:
 - (a) the vehicle together with its load complies with the general mass limits; and
 - (b) the vehicle carrying more than 1 large indivisible item does not cause the vehicle together with its load to exceed a prescribed dimension requirement that would not be exceeded if the vehicle carried only 1 of the large indivisible items.
- (2) A load-carrying vehicle carrying 1 or more large indivisible items must not carry any other goods unless:
 - (a) the vehicle together with its load complies with the general mass limits; and
 - (b) the other goods are contained within the limits set by the prescribed dimension requirements

Additional Indivisible items must not be loaded:

- (a) side by side if the resulting width exceeds 2.5 metres;
- (b) one on top of another if the resulting height exceeds 4.3 metres; or
- (c) one behind another if the resulting length (from front of the vehicle to the rear of the load) exceeds 19 metres for a combination or 12.5 metres for a rigid vehicle
- (d) if the additional indivisible item causes the vehicle to exceed general mass limits.

Loading Requirements

The following principles are applicable to Class 1 load-carrying vehicles:

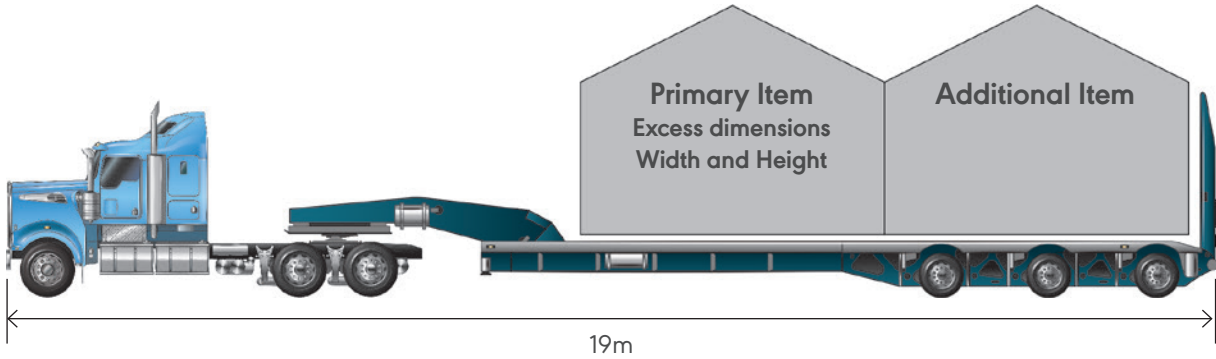
- A load on a heavy vehicle must not be placed in a way that makes the vehicle unstable or unsafe.
- A load on a heavy vehicle must be secured so it is unlikely to fall or be dislodged from the vehicle.
- An appropriate method must be used to restrain the load on a heavy vehicle.
- If a load can be safely loaded in more than one way, it must be loaded in a way that minimises the safety risks (such as width) of the vehicle or combination.

Complying

The following scenarios are combinations that may operate under existing exemption notices or permit.

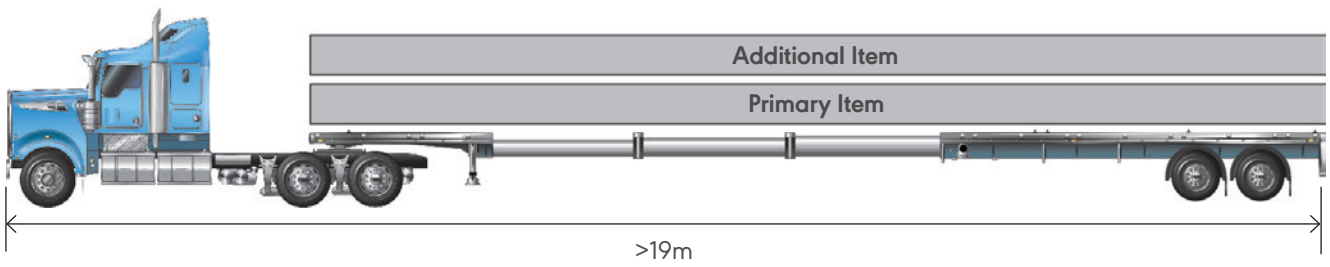
- It is important to note that some states and territories may provide different exemptions under notices and permits.
- For all the example scenarios below, general mass limits cannot be exceeded.

Example 1

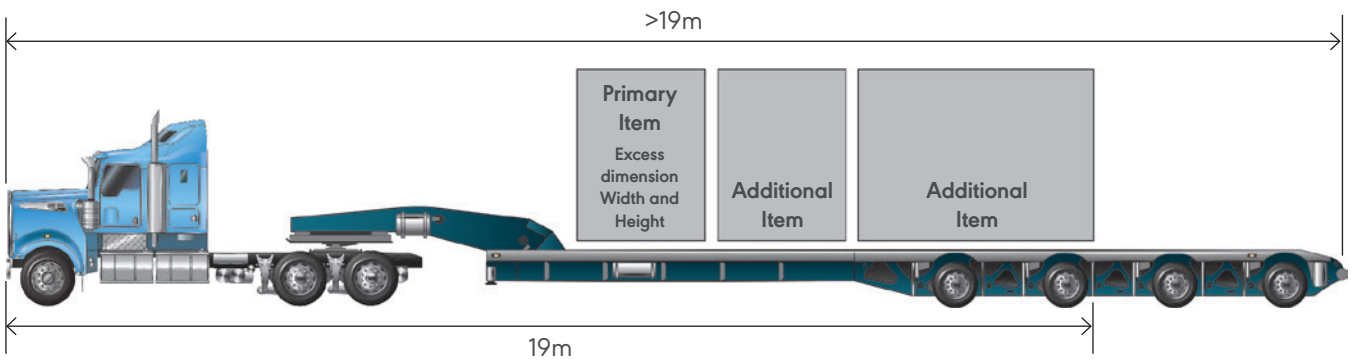


Example 2

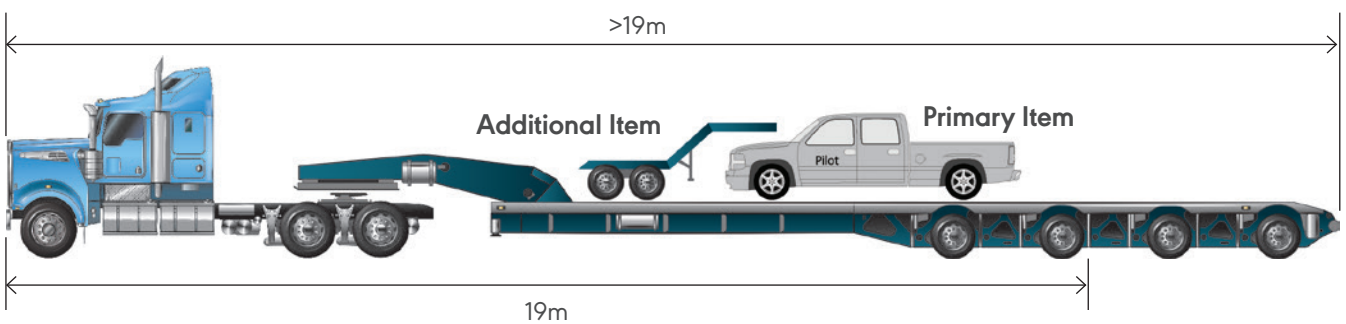
*This example has excess length, but may be eligible to operate under an existing notice or permit.



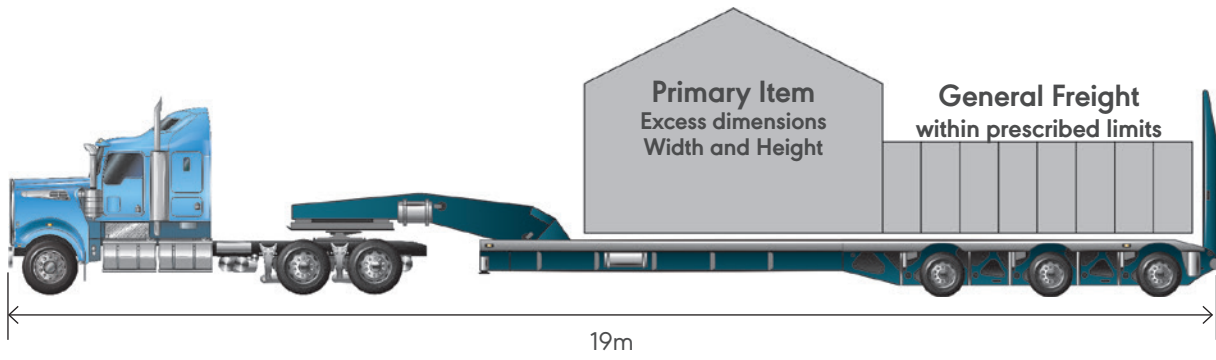
Example 3



Example 4



Example 5

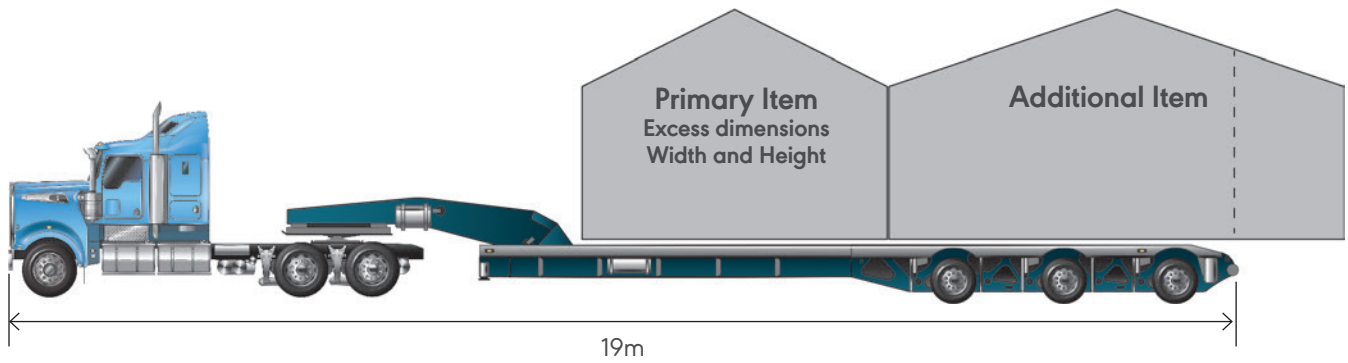


Non-Complying

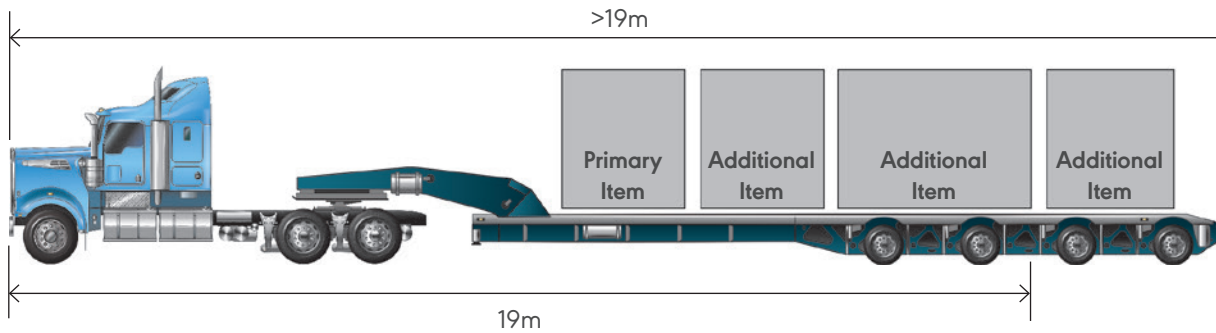
The following scenarios do not comply with the requirements of Schedule 8 of the Regulation, as a prescribed dimension limit has been exceeded by additional loading.

(a) The additional large indivisible item causes the prescribed length of 19 metres to be exceeded.

Example 1

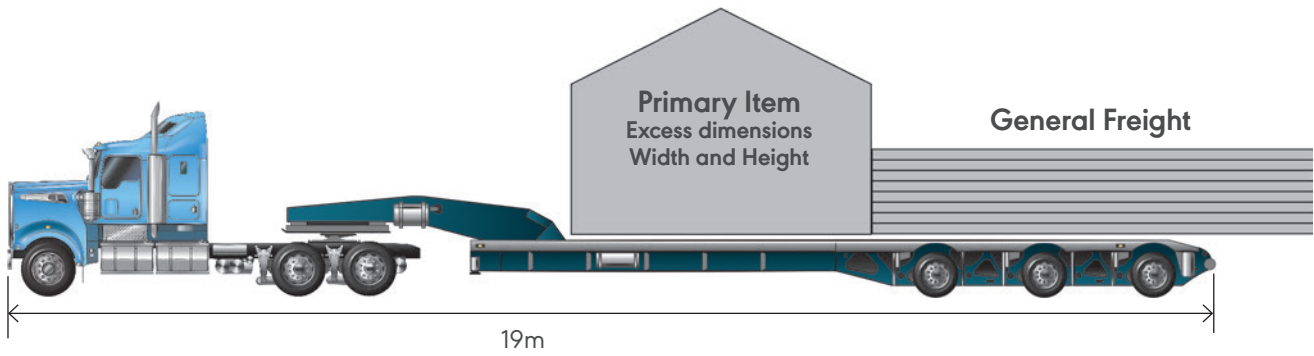


Example 2



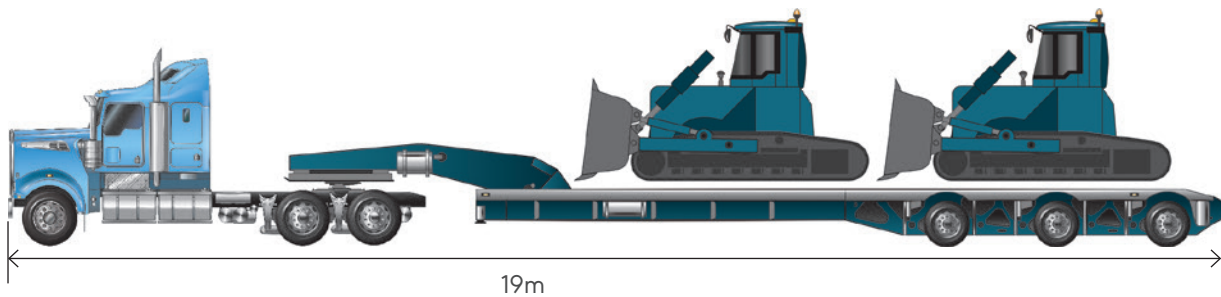
(b) The additional loading (general freight) is not contained within the limits set by the prescribed dimension requirements. The prescribed length dimension of 19 metres is exceeded.

Example 3



(c) The additional loading (second dozer) is contained within prescribed length limit of 19m, but **general mass limits are exceeded.**

Example 4



Loading Restraint Guide

The **Load Restraint Guide 2018** provides drivers, owners, operators, freight consigners, vehicle manufacturers, equipment manufacturers and suppliers with the basic safety principles that should be followed when designing a load restraint system to ensure the safe and efficient transportation of loads.

The **Load Restraint Guide 2018** can be obtained here www.nhvr.gov.au/road-access/mass-dimension-and-loading/loading

Contact the NHVR

If operators have any further queries regarding the content of this information sheet, the NHVR may be contacted using the details below.

For more information

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Email: info@nhvr.gov.au
Telephone: 1300 MYNHVR (1300 696 487)*

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