

Super B-Double Network

Information sheet

April 2024



Department of Transport and Planning

Introduction

Victoria's Super B-double network provides preapproved permit access for a range of configurations up to 117 tonnes gross combination mass (GCM).

A Super B-Double is a Class 3 vehicle that exceeds Higher Mass Limits. Super B-doubles can be one of three different axle configurations:

- Tri-axle groups on both trailers;
- Quad axle group on the lead trailer and tri-axle on the semi-trailer; or
- Quad axle groups on both trailers.

Operators of vehicles that meet the requirements of the Super B-double network require a permit to travel on these routes. Access is restricted to the Port of Melbourne precinct. The network maps are viewable on the [NHVR National Network Maps](#).

Operating Conditions

Super B-Doubles operating on the pre-approved network must:

- Adhere to all conditions and restrictions specified on the network map;
- Be fitted with a self-steering axle on the last axle of each tri-axle or quad-axle group when the combination exceeds 26 metres;
- Be fitted with an anti-lock braking system (ABS) on all axles;
- Be fitted with road friendly suspension, except on the prime mover's steer axle;
- Be fitted with a "LONG VEHICLE" warning sign at the rear of the vehicle;
- Be fitted with side underrun protection to the European Standard;
- Be enrolled in the National Heavy Vehicle Accreditation Scheme – Mass Management Module;

1. Quad-quad vehicles are limited to 37.5t on each quad axle group except for within Appleton and East/West Swanson Docks.
2. Quad-tri vehicles are limited to 42.0t on each quad axle group. Quad-quad vehicles are limited to 42.0t within Appleton and East/West Swanson Docks only.

- Operate within all manufacturer's ratings, including the braking capabilities as per Australian Design Rules' braking requirements at maximum load test; and
- Be able to maintain a minimum speed of 50km/h when travelling to and from Webb Dock as a combination, which may mean the combination operates at masses lower than specified above.

Maximum Vehicle Dimensions

The maximum height for a Super B-Double is 4.3m. The maximum width is 2.5m. The maximum Length is 30m.

Mass Limits

Axle group mass limits

Axle group	Axle group mass limit
Single Steer Axle	7.0t
Tandem-axle group with dual wheels	26.0t
Tri-axle group with dual tyres	34.0t
Quad-axle group with dual tyres ¹	37.5t
Quad-axle group with dual tyres ²	42.0t

GCM by configuration

Vehicle configuration	GCM
Tri-Axle and Tri-axle	101.0t
Quad-axle and Tri-axle	109.0t
Quad-axle and Quad-axle	108.0t
Quad-axle and Quad-axle (Appleton and East/West Swanson Docks only)	117.0t