

Livestock Loading Scheme in Queensland

Operator's Guide

The Department of Transport and Main Roads in conjunction with industry representatives and the National Heavy Vehicle Regulator has undertaken a review of the Livestock Loading Scheme in Queensland.

This Guide provides advice to livestock transport operators regarding transitional arrangements for the revised Livestock Loading Scheme and what you need to do to be compliant with the Scheme.

Scheme Purpose

The Livestock Loading Scheme in Queensland provides additional mass concessions for heavy vehicles transporting livestock utilising:

- rigid trucks;
- rigid trucks towing a five or six axle dog trailer;
- prime movers towing a semi-trailer;
- B-double combinations;
- B-triple combinations;
- Road Train combinations.

The Livestock Loading Scheme in Queensland Notice is available from the National Heavy Vehicle Regulator's (NHVR) - www.nhvr.gov.au

Livestock

Livestock means cattle, sheep, pigs, horses, goats or other livestock.

Certification

All vehicles and trailers (excluding tri-axle converter dollies) must be certified under the Concessional Livestock Loading – Vehicle Rating Code (S10). Read more about the S10 code – www.tmr.qld.gov.au/s10

Transitional period for livestock loading scheme

The revised Livestock Loading Scheme in Queensland will commence from 10 February 2019, with a transitional period until 1 September 2019 to allow time for operators and Approved Persons to make business adjustments for the new Scheme.

Compliance activities during this period will be focused on safety-related issues, such as breaches with manufacturer's ratings.

Mass limits

Manufacturer's ratings must not be exceeded at any time.

The maximum tri-axle mass on a B-triple combination is 26 tonnes.

The maximum single steer axle mass for tyres of:









- Less than 375 millimetres is 6.5 tonnes.
- At least 375 millimetres is 7.1 tonnes.




The maximum twin steer axle mass is 12 tonnes. (only load sharing suspension is permitted under the Livestock Loading Scheme in Queensland).

Maximum mass on triaxle converter dollies used in livestock combinations must not exceed 20 tonnes.

Rigid trucks and prime movers must comply with the following requirements:

Conditional mass requirements

Vehicle Type	Description	Steer Group Rating (section width of tyres)	Maximum Mass Limit (t)	
			Steer Axle	Laden Mass
Prime Movers				
	Single steer and tandem drive	< 375mm	6.5	28.1
	Single steer and tri-axle drive (including tri drive)	< 375mm	6.5	31.1
	Twin-steer and tandem drive	< 285mm	11	32
	Twin-steer and tandem drive	≥ 285mm	12	33
	Single steer and tandem drive	≥ 375mm	7.1	28.1
Rigid Trucks				
	Single steer and single drive	< 375mm	6.5	18.1
	Single steer and tandem drive	< 375mm	6.5	28.1
	Twin-steer and tandem drive	< 285mm	11	32

	Twin-steer and tandem drive	≥ 285mm	12	33
	Single steer and single drive	≥ 375mm	7.1	18.1
	Single steer and tandem drive	≥ 375mm	7.1	28.1

The maximum permitted unladen mass of trailer/s:

Type	Mass in tonnes
Semi-trailer	15
B-double trailers	22
B-triple trailers	32

Unladen Mass is the mass of the vehicle in running order unoccupied and unladen with all fluid reservoirs filled to nominal capacity including fuel, and with all standard equipment.

Mechanical specifications

Tow coupling minimum D value requirements

Vehicle types	Description	Minimum D Value requirements for couplings		
		Fifth wheels and turntables	Automatic pin type couplings	King Pins
Prime Mover	Type 2 Road Train hauling unit	160 kN		
	Type 1 Road Train hauling unit	140 kN		
	other	123 kN		
Rigid Truck	Type 2 Road Train hauling unit		172kN	
	other		162kN	
Semitrailer	fitted with rear pin coupling		210kN	190 kN
	without rear pin coupling			123 kN
B-double	B-double trailers	135 kN		135 kN
B-triple	B-triple trailers	162 kN		162 kN
Converter dolly		190 kN	210kN	
Five or six axle dog trailer		135 kN	162kN	135 kN

Dimension limits

Vehicles and combinations must comply with the following dimension limits:

Vehicle Type	Description	Dimension Requirements
Rigid Truck	Type 2 Road Train hauling unit	Stock crate height not to exceed: - 4.3m for a 4x2; or - 4.6m for other axle configurations (if fitted with a multi-deck crate)
	other	
Semitrailer	fitted with rear pin coupling	Loaded deck length* must not exceed 12.5m Stock crate height not to exceed 4.6m for multideck crate and 4.3 m for single deck crate
	without rear pin coupling	
B-double	B-double trailers	Loaded deck length* of both trailers must not exceed 18.8m
B-triple	B-triple trailers	Loaded deck length* of all trailers must not exceed 28.2m
Five or six axle dog trailer		Loaded deck length* must not exceed 12.5m Stock crate height not to exceed 4.6m for multi-deck crate and 4.3 m for single deck crate
<p>*Loaded deck length is defined:</p> <ol style="list-style-type: none"> 1. For a semitrailer as the length of the deck of the trailer measured from inside the front wall to inside the back wall of the loading space. 2. For B-double combinations as the sum of the lengths of the two decks of the trailers measured from inside the front wall to inside the back wall of the loading space. 		

Routes

B-doubles operating under the Livestock Loading Scheme in Queensland must also operate in conjunction with the National Class 2 Heavy Vehicle B-double Authorisation (Notice). - <https://www.nhvr.gov.au/law-policies/notices-and-permit-based-schemes/national-notices>

Road Trains operating under the Livestock Loading Scheme in Queensland must also operate in conjunction with the National Class 2 Heavy Vehicle Road Train Authorisation (Notice). - <https://www.nhvr.gov.au/law-policies/notices-and-permit-based-schemes/national-notices>

A rigid truck and trailer combination exceeding 19 metres up to 31.5 metres operating under the Livestock Loading Scheme in Queensland must also operate in conjunction with the Queensland Class 3 Heavy Vehicle Truck Towing One Trailer Exceeding 19m Up To 31.5m Mass and Dimension Scheme (Notice). - <https://www.nhvr.gov.au/law-policies/notices-and-permit-based-schemes/national-notices>

Registration

It is no longer a requirement for the vehicles operating under the Scheme to be registered for Livestock Loading.

Transportation conditions

No vehicle can carry livestock in the upper deck unless the lower deck is fully loaded with livestock.

Livestock which does not completely fill a deck must be securely restrained in position by full width barriers to prevent instability of the vehicle when in motion.

When carrying livestock, no other freight can be carried at the same time.

The number of decks used to transport livestock cannot exceed:

- 2 decks for cattle;
- 3 decks for pigs; and
- 4 decks for sheep.

Interstate vehicles

Vehicles registered in another State or Territory may operate under the Livestock Loading Scheme in Queensland provided the vehicle complies to all conditions of the Scheme.

Mutual recognition will be applied to vehicles approved to operate as a Livestock Loading Vehicle in the State or Territory of scheme registration, including:

- Northern Territory Livestock Loading Scheme
- NSW Livestock Loading Scheme
- South Australia Livestock Loading Scheme
- Tasmanian Livestock Loading Scheme
- Victorian Livestock Loading Scheme

All conditions of the state of the Livestock Loading Scheme will apply when operating in Queensland. This includes but not limited to, mass limits, certification and accreditation

These vehicles will be required to provide evidence of their approval if requested to do so by a member of the Queensland Police Service or an Authorised Transport Inspector.