











Class 3 - South Australia

Common heavy vehicle combinations used in South Australia – Class 3

The NHVR coordinates a range of access applications from start to finish. This is done by liaising directly with road managers, both state and territory road authorities and local governments, to manage applications and issue permits.

Each state and territory has different combinations traveling within and through their area. The common type of vehicle applications for South Australia are summarised below:

Road trains	Width	Length	Height	Mass	Configuration
Double Road Trains carrying over width drill rig components - Cooper Basin	3.5	36.5	4.9	79t	
Livestock Loading - Double Road Train	2.5	36.5	4.6	85t	
Livestock Loading - Triple Road Train	2.5	53.5	4.6	124.5t	
36.5m Road Train carting rectangular baled hay loaded to a height of 4.6m	2.5	36.5	4.6	79t	
B-Triples carrying cubic freight	2.5	36.5	4.6	74.7t	
B-Doubles	Width	Length	Height	Mass	Configuration
Overdimensional B-doubles carrying plasterboard	2.6	26	4.3m	62.5t	
B-Doubles carrying prime movers	2.5	26	4.6	62.5t	
B-double combinations moving OS agricultural vehicles	3.5	26	4.6	62.5t	

Hay	Width	Length	Height	Mass	Configuration
Round hay bales loaded flat	3.4	19	4.6	42.5t	
Round hay bales rigid truck	3.4	19	4.3	42.5t	
Large Rolls of Hay	3.4	19	4.3	42.5t	
Hay medium square bales	2.5	19	4.6	42.5t	
Other					
Restricted access for dump trucks	-	-	-	-	
Towing a converter dolly behind an oversize load	3.5	25	4.6		
Indivisible items to be transported in containers like crates and flat racks *	-	-	-	-	
Delivery of 27.5 B-doubles to WA (empty travel only)	2.5	27.5	4.3/4.6	42.5t	
Rigid truck & quad dog trailer	2.5	23	4.3	55.5t	
Pipes carried transversley	2.65	19	4.3	42.5t	

- An additional 0.5t can be applied to the gross for a complying steer axle
- An additional 1.1t can be applied to the gross for a road train when operating on an approved road train route and having steer tyres with a section width of 375mm, or 0.5t with tyres with a section width of 295mm.

If the type of vehicle you are submitting an application for is not on the about table, please continue to process your application with the NHVR.

For more information

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Telephone: 13 NHVR (13 64 87)*

Email: info@nhvr.gov.au

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Class 3 Road train Operations

Certain class 3 road trains are permissible in South Australia, these include:

1. A-double road trains carrying over dimensional indivisible items will still be considered for routes in and around the Cooper Basin. Dimensions previously approved for these operations are; 3.5m wide, 4.9m in height and 36.5m in length with a gross mass of 79t or 79.5t with a complying steer axle.

2. Road trains operating under the livestock loading scheme in South Australia will still require a permit from NHVR. Length limits for these operations are 36.5m for an A-double, 53.5m for an A-triple, and 4.6m in height.

Livestock road trains operating at general mass limits are considered Class 2 and are covered by the National Class 2 Heavy Vehicle 4.6m high Livestock Carrier Authorisation and the National Class 2 Heavy Vehicle Road Train Authorisation Notices. These notices don't require permits.

3. Carriage of rectangular hay bales on A-double road trains to a maximum height of 4.6m is permissible under permit. These road trains are also permitted to operate up to concessional mass limits if the operator is accredited under the mass management module of NHVAS.

4. The use of specifically constructed 4.6m high trailers in b-triples carrying cubic freight requires permit for access. Operating this configuration also requires compliance to the South Australian Code of Practice for Road Trains and the National class 3 heavy vehicle 4.6m high by construction semitrailer dimension exemption notice.

Note 1: Tri axle dollies can be used in any combination listed above and the combination mass can be increased accordingly. Road trains operating under the livestock loading scheme are permitted to operate tri axle dollies with masses not exceeding HML masses.

Note 2: Over dimensional road train operations currently approved under the South Australian Code of Practice for Road Trains are still permitted without the need of a permit.

Class 3 B-double Operations.

Approved class 3 B-double operations in South Australia include:

1. B-doubles carrying over dimensional plasterboard. These operations are approved under permit for a complying b-double to a width of 2.6m at general mass limits only.

2. B-doubles carrying prime movers as a load. A height exemption under permit allows the operation of these vehicles up to a height of 4.6m. No other mass or dimension exemptions are allowed.

3. B-doubles carrying agricultural machinery. Under permit, a compliant B-double may be granted an exemption to carry indivisible agricultural machinery to a width of 3.5m and to a height of 4.6m. These combinations are limited to general mass limits only.

Note 3: Over dimensional B-double operations currently approved under the South Australian Code of Practice for B-doubles are still permitted without the need of a permit.

Carriage of Hay

The carriage of hay exceeding general dimensions in South Australia is approved on specific networks and under specific conditions. Other networks can be accessed through permits.

Other Common Class 3 Applications

1. 23m truck and trailer (quad dog). The South Australia Class 3 Heavy Vehicle 23 Metre Long Truck and Dog Trailer Mass and Dimension Exemption Notice in its current form only covers 3 axle trucks and 3 axle or 5 axle trailer operations. 3 axle truck and 4 axle trailer combinations can only operate under permit. The maximum dimensions approved for these operations are: 23m in length, 2.5m in width, 4.3m in height and 55.5t gross mass providing that the combination's axle configuration meets specifications.

2. Concrete pipes carried transversely. An exemption under permit is considered for those operators that carry concrete pipes transversely across the trailer or truck. These operations are limited to a 2.65m width and restricted to specific routes under permit.

3. 27.5m B-doubles. Access for a 27.5m b-double through South Australia is granted by permit for the purposes of delivering new trailers to Western Australia. These B-doubles travel in an unladen state and are restricted to a specific route listed on their permit.

4. Use of a flat rack or open top container. These forms of packaging goods can be classified as class 1 or class 3 restricted access vehicles. If the flat rack or open top container and the load comply with part 13 of Schedule 8 of the Heavy Vehicle (Mass, Dimension and Loading) National Regulation then the vehicle operates as Class 1 otherwise it will be considered as a Class 3.



Image courtesy of; <http://www.snoeck.nl/en/lashing-securing/containers-flat-racks.html>

Other information

Over a hundred notices of all types that were made when the HVNL came into force will reach their five-year expiry date in 2019 and will need to be renewed. It is essential that this potential bottle neck be addressed by forward managing as many transitional and individual state notices as possible over the next two years.

To complete this task, the NHVR will consult with states and territories through 2017 and 2018. Some of this work will consolidate similar notices from participating states and territories.

This means that some of the vehicles that operating under South Australian permit or notices may be affected. The intent is to keep the same level of road access as it is today.