

Maximum length 12.5m 19.0m<sup>1</sup> 26.0m<sup>2</sup> 36.5m<sup>3</sup>

Category	Code	Image	Description	GML	GML + permit <sup>4</sup>	CML	HML	+ 0.5mt steer <sup>5</sup>	+ 1.1mt steer <sup>6,7</sup>
Rigid truck	9		3 axle rigid truck	22.50 <b>9G</b>		23.00 <b>9G</b>	23.00 <b>9H</b>	<b>9GE</b> <b>9CE</b> <b>9HE</b>	
Truck & dog	16		3 axle rigid truck and 3 axle dog trailer	42.50 <b>16G</b>	45.00 <b>16N19</b> 48.00 <b>16N23</b>	PBS truck: Refer footnote <sup>8</sup>		<b>16GE</b> <b>16NE</b> <b>16N19E</b> <b>16N23E</b>	
	76		3 axle rigid truck and 4 axle dog trailer	42.50 <b>76G</b>	50.00 <b>76N19</b> <b>76N20</b>			<b>76GE</b> <b>76NE</b> <b>76N19E</b> <b>76N20E</b> <b>76N20RE</b> <b>76N23E</b>	
	87		3 axle rigid truck and 5 axle dog trailer	59.00 <b>87G</b>				<b>87GE</b>	
Prime mover & trailer	11		5 axle semitrailer	39.00 <b>11G</b>		40.00 <b>11C</b>	40.00 <b>11H</b>	<b>11GE</b> <b>11CE</b> <b>11HE</b>	
	12		6 axle semitrailer	42.50 <b>12G</b>		43.50 <b>12C</b>	45.50 <b>12H</b>	<b>12GE</b> <b>12CE</b> <b>12HE</b>	<b>12GES</b> <b>12CES</b> <b>12HES</b>
B-double	83		7 axle B-double	55.50 <b>83G</b>		57.00 <b>83C</b>	57.00 <b>83H</b>	<b>83GE</b> <b>83CE</b> <b>83HE</b>	
	68		9 axle B-double	62.50 <b>68G</b>		64.50 <b>68C</b>	68.00 <b>68H</b>	<b>68GE</b> <b>68CE</b> <b>68HE</b>	<b>68GES</b> <b>68CES</b> <b>68HES</b>
A-double road train	28		11 axle A-double road train	79.00 <b>28G</b>		81.00 <b>28C</b>	85.00 <b>28H</b>	<b>28GE</b> <b>28CE</b> <b>28HE</b>	<b>28GES</b> <b>28CES</b> <b>28HES</b>
	91		12 axle A-double road train	82.50 <b>91G</b>		84.50 <b>91C</b>	90.50 <b>91H</b>	<b>91GE</b> <b>91CE</b> <b>91HE</b>	<b>91GES</b> <b>91CES</b> <b>91HES</b>
AB-triple <sup>9</sup>	88		14 axle AB-triple road train	99.00 <b>88G</b>		101.00 <b>88C</b>	107.50 <b>88H</b>	<b>88GE</b> <b>88CE</b> <b>88HE</b> <sup>10</sup>	<b>88GES</b> <b>88CES</b>
	96		15 axle AB-triple road train	102.50 <b>96G</b>		104.50 <b>96C</b>	110.00 <b>96HR</b> <sup>11</sup> 113.00 <b>96H</b>	<b>96GE</b> <b>96CE</b> <b>96HE</b>	<b>96GES</b> <b>96CES</b> <b>96HES</b>

**All masses are in metric tonnes**  
**GML** = General Mass Limit  
**CML** = Concessional Mass Limit – must be registered in NHVAS mass and display sticker on driver’s side of the truck  
**HML** = Higher Mass Limit – must be registered in NHVAS and be on a HML route  
**PBS** = Performance Based Standards  
**N** = Notice  
**P** = Permit  
**Mass Limits** are the maximum limit and it is important drivers know the Gross Combination (**GCM**) and Gross Vehicle Mass (**GVM**) and do not exceed that if it is lower than the mass limit  
**Legal Disclaimer:** data is provided for information only

**NHVR MASS STICKER**



<sup>1</sup> Prime movers operating under *National Class 3 Road Train Prime Mover Mass and Dimensions Exemption notice 2022* can operate to 20mtrs with road train rated prime movers – PBS Level 1A Network  
<sup>2</sup> Prime movers operating under *National Class 3 Road Train Prime Mover Mass and Dimensions Exemption notice 2022* can operate to 27mtrs with road train rated prime movers - SA 30m Road Train (HML) Network  
<sup>3</sup> AB-Triple combinations operating under permit can be approved up to a maximum length of 42.0mtrs  
<sup>4</sup> Permit means:  
a) *National Class 3 Truck and Dog Trailer Mass Exception Notice 2020 (No.1)* – GHMS concessions do not apply to permit mass limit. Most trucks are engineered to load to the maximum mass limit and in some cases axle spacings may limit the mass limit. It is not reasonably practicable to check lower mass limits due to shorter axle spacings  
b) *National Class 2 Heavy Vehicle B-Double Authorisation Notice 2020 (No.2)*  
<sup>5</sup> 0.5t steer axle allowance applies to trucks with a Gross Vehicle Mass (GVM) over 15 tonnes fitted with specific technologies, including an engine complying with ADR 80/01 (Euro IV), Front Under-run Impact Protection that meets UN ECE Regulation No.93 or ADR 84, and cabin strength that meets the requirements of UN ECE Regulation No.29.  
<sup>6</sup> 1.1t steer axle allowance applies to Road Train and AB triple combinations fitted with steer tyres 375mm or wider and that meet the requirements for the 0.5t steer allowance.  
<sup>7</sup> Refer *National Class 3 Road Train Prime Mover Mass and Dimension Exemption Notice 2022*  
<sup>8</sup> Trucks can operate as PBS vehicles under the *National Class 2 PBS Level 1 & 2A Truck and Dog Trailer Authorisation Notice 2021 (No.1)* on routes with PBS 2A or higher access with the following maximum mass limits. PBS CML is the most common mass limit for these combinations in Grain. To operate as a PBS truck, the driver must present the Vehicle Approval, which includes the specific mass limit for that each individual vehicle combination:  

Description	PBS (GML)	PBS (CML)	PBS (HML)
3 Axle Rigid & 3 Axle Dog	16GPBS 48.50	16CPBS 49.50	16HPBS 49.50
3 Axle Rigid & 4 Axle Dog	76GPBS 56.00	76CPBS 57.50	76HPBS 57.50
3 Axle Rigid & 5 Axle Dog	87GPBS 59.50	87CPBS 61.50	87HPBS 63.00

  
<sup>9</sup> NHVR Access Permit Required to Operate in South Australia  
<sup>10</sup> 14 Axle AB-Triple currently restricted to max GCM of 108.00 in South Australia  
<sup>11</sup> GCM of prime mover restricted to max 110.00t