



Grain Transport Safety Network

Truck Chart - South Australia



Maximum Length		19.0m		26.0m	36.5m								
Category	Code	Image				Description	GML	GML + Notice ¹	CML ²	HML ³	0.5mt Steer ⁴	1.1mt Steer ⁵	
Truck & Dog Trailer	16					Common 3 Axle Rigid Truck and 3 Axle Dog Trailer ⁶	42.50 16G	45.00 16N19 48.00t 16N23	PBS truck: Refer footnote ⁶		16GE 16NE 16N19E 16N23E		
	76					Common 3 Axle Rigid Truck and 4 Axle Dog Trailer ⁶	42.50 76G	50.00 ⁷ 76N19 76N20 55.50 ⁸ 76N23 57.50 ⁹ 76N20RE			76GE 76NE 76N19E 76N20E 76N20RE 76N23E		
	87					3 Axle Rigid Truck and 5 Axle Dog Trailer	59.00 87G	59.00 87N			87GE		
	12					Common 6 Axle Semitrailer	42.50 12G		43.50 12C	45.50 12H	12GE 12CE 12HE	√ ¹⁰	
B-double	83			Common 7 Axle B-double	55.50 83G	50.00 ¹¹ 83N	57.00 83C	57.00 83H	83GE 83CE 83HE				
	68			Common 9 Axle B-double	62.50 68G		64.50 68C	68.00 68H	68GE 68CE 68HE				
Road train	28					Common 11 Axle Road train (A Double)	79.00 28G		81.00 28C	85.00 28H	28GE 28CE 28HE	28GES 28CES 28HES	
	91					Common 12 Axle Road train (A Double)	82.50 91G		84.50 91C	90.50 91H	91GE 91CE 91HE	91GES 91CES 91HES	
AB-triple	88					Common 14 Axle AB-triple Road train and 2 Axle Dolly	99.00 88G		101.00 88C	107.50 88H	88GE 88CE 88HE	88GES 88CES 88HES	
	96					15 Axle AB-triple Road train and 3 Axle Dolly	102.50 96G		104.50 96C	110.00 96HR1 ¹² 113.00 ¹³ 96H	96GE 96CE 96HE	96GES 96CES 96HES	
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 on a HML route and registered in NHVAS in Victoria and South Australia + IAP in NSW and Qld 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 Further information, refer to the National Heavy Vehicle Regulator www.nhvr.gov.au or www.gtsn.com.au 1.0 Tonne steer allowance for ADR80/04 (EURO VI) Prime movers, as the truck becomes more common the truck will be updated to reflect these mass limits. 2025 SA harvest will use truck code and letter "A" to reflect, example being 96HES to be 96HEA								Truck Book Link 		NHVR website 		NHVAS Mass Sticker 	

¹ Notice means:

a) *National Class 3 Truck and Dog Trailer Mass Exemption Notice 2023 (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) 2024 (No.2)*

² CML = Concessional Mass Limit: Truck has NHVAS Mass accreditation and sticker attached to the truck (see above)

³ Trucks in SA and Victoria require NHVAS Mass to Operate to HML. In NSW and Vic, GPS tracking (usually TMA) is required. See truck book for more detail.

⁴ 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.

⁵ 1.1t 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

⁶ Trucks can operate as PBS vehicles under the *National Class 2 PBS Level 1 & 2A Truck and Dog Trailer Authorisation Notice 2024 (No.2)* 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:

Code	PBS (GML)	PBS (CML)	PBS (HML)
16	48.50	49.50	49.50
76	56.00	57.50	57.50
87	59.50	61.50	63.00

⁷ Mass limits apply for trucks that comply with the *National Class 3 Truck and Dog Trailer Mass Exemption Notice 2023 (No.1)*

⁸ *South Australia Class 3 23m Truck and Dog Trailer Mass and Dimension Exemption Notice 2025 (No.1).*

⁹ Mass Limits apply for trucks that comply with the *National Class 3 20m Long 3-axle Truck and 4-axle Dog Trailer Mass and Dimension Exemption Notice 2024 (No. 1)* on the PBS 2A Network

¹⁰ B doubles and semi-trailer trucks with road train prime movers that are fitted with steer tyres wider than 365mm operating under the *National Class 3 Road Train Prime Mover Mass and Dimension Exemption Notice 2025 (No.1)* can apply a 1.1 tonne steer depending on the network by state:

	Qld	NSW	Vic	SA
Semi-Trailer	Queensland 25/26 metre B-double Network	New South Wales 25/26 B-double GML Network	Victoria B-Double Network	South Australia PBS Level 1A Network
B-Double	Queensland 25/26 metre B-double Network	New South Wales GML Type 1 A-double Network	Victoria Road Train Network	South Australia 26m B-Double (GML) Network

¹¹ On general access (non-B double) routes, GML = 50.0t and CML = 51.0t

¹² GCM of prime mover restricted to max 110.00t

¹³ NHVR Access Permit Required to Operate in South Australia