

Grain Transport Safety Network Truck Chart



Maximum Length		12.5m	19.0m ¹	26.0m ²	36.5m	Grain Harvest Management								
Category	Code	Image	Description	GML	Vic RFS ³	GML + Permit ⁴	CML	HML	0.5mt Steer ⁵	1.1mt Steer ^{6,7}	QLD ⁸	NSW ⁹	VIC ¹⁰	SA ¹¹
Rigid Truck	9		3 Axle Rigid Truck	22.50	23.00		23.00 Qld = +0.25t		✓		24.20	23.00	23.60	24.20
Truck & Dog	16		Common 3 Axle Rigid Truck and 3 Axle Dog Trailer ¹²	42.50		45.00 NSW = 48.00t	43.50		✓		45.70	44.63		45.70
	76		Common 3 Axle Rigid Truck and 4 Axle Dog Trailer ¹³	42.50		50.00	43.50		✓		45.70	44.63	44.60	45.70
	87		3 Axle Rigid Truck and 5 Axle Dog Trailer	PBS truck: Refer footnote ¹⁴										
Prime Mover & Trailer	11		Common 5 Axle Semitrailer	39.00	40.00		40.00		✓	✓	41.90	40.00	41.00	42.00
	12		Common 6 Axle Semitrailer	42.50	43.00		43.50	45.50	✓	✓	45.70	44.63	44.60	45.70
B-double	83		Common 7 Axle B-double	55.50	57.00	50.00 ¹⁵	57.00		✓	✓	59.70 ¹⁶	57.00	58.30	59.90
	68		Common 9 Axle B-double	62.50	63.00		64.50	68.00	✓	✓	67.10	65.63	65.60	67.70
Road Train	28		Common 11 Axle Road Train (A Double) ¹⁷	79.00			81.00	85.00	✓	✓	84.90	83.00		85.05
	91		Common 12 Axle Road Train (A Double)	82.50			84.50	90.50	✓	✓	88.70	86.63		86.60
AB-triple	88		Common 14 Axle AB Triple Road train and 2 Axle Dolly	99.00			101.00	107.50 Qld = +1.00t	✓	✓	106.40	104.00		106.05
	96		15 Axle AB Triple Road train and 3 Axle Dolly	102.50			104.50	113.00 ¹⁸ Qld = +1.00t	✓	✓	110.10	107.63		109.73
<p>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 + IAP in NSW and Qld and be on a HML route 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</p>				<p>New NHVAS Mass Sticker</p> <p>Vehicle label dimensions: 90mm x 120mm</p>				<p>Old NHVAS Mass Sticker</p>						

¹ Trucks with prime movers operating under National Class 3 Road Train Prime Mover Mass and Dimension Exemption Notice 2021 (No.1) can operate to 20 metres with road train rated prime movers

² Trucks Operating under National Class 3 Road Train Prime Mover Mass and Dimension Exemption Notice 2021 (No.1) can operate to 27 metres with road train rated prime movers

³ Refer Victoria Class 3 Road Friendly Suspension Mass Exemption Notice 2019 (No.1)

⁴ Permit means:

- a) National Class 3 Heavy Vehicle 19m Truck and Dog Trailer Combination Mass Exception (Notice) 2018 (No.2) – 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) 2014 (No.2)

⁵ 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.

⁶ 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

⁷ Refer National Class 3 Road Train Prime Mover Mass and Dimension Exemption Notice 2021 (No.1)

⁸ Refer Queensland Class 3 Heavy Vehicle (Grain Harvest Management Scheme) Mass Exemption Notice 2019 (No. 1) – note: Qld GHMS weights are maximum weights and 0.5t steer and 1.1 allowances do not apply when conditions are met. PBS do not qualify for GHMS.

⁹ Refer New South Wales Class 3 Grain Harvest Management Scheme Mass Exemption (Notice) 2016 (No. 1) – 0.5t steer applies when conditions are met

¹⁰ Refer Victoria Class 3 Grain Harvest Management Scheme Mass Exemption Notice 2017 (No. 1) Vic RFS Mass Limit – 0.5t steer applies when conditions are met

¹¹ Refer South Australia Heavy Vehicle Farm Gate Grain Transport Mass Exemption Notice 2015 (No.1) for trucks operating NHVAS mass to allow loading up to CML + 5% – 0.5t steer applies when conditions are met

¹² Refer code 87 footnote below

¹³ Refer code 87 footnote below

¹⁴ Trucks can operate as PBS vehicles under the National Class 2 PBS Level 1 & 2A Truck and Dog Trailer Authorisation Notice 2016 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

¹⁵ On general access (non-B double) routes, GML = 50.0t and CML = 51.0t

¹⁶ On routes with no B double access, Qld = 53.70t, NSW and Vic GHMS = 52.5t

¹⁷ In Victoria, NHVR Access Permit required on pre-approved network, trucks can also operate on the PBS 2A network with CML at 72.7t and PBS 2A HML network at 76.7t

¹⁸ NHVR Access Permit Required to Operate in South Australia