

Grain Transport Safety Network Truck Chart



Maximum Length		12.5m	19.0m	26.0m	36.5m	Grain Harvest Management								
Category	Code	Image	Description	GML	Vic RFS ¹	GML + Notice ²	CML	HML	0.5mt Steer ³	1.1mt Steer ⁴	QLD ⁵	NSW ⁶	VIC ⁷	SA ⁸
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 Trailer	16		Common 3 Axle Rigid Truck and 3 Axle Dog Trailer ⁹	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 ⁹	42.50		50.00 ¹⁰ 55.50 ¹¹ 57.50 ¹²	43.50		✓		45.70	44.63	44.60	45.70
	87		3 Axle Rigid Truck and 5 Axle Dog Trailer	PBS truck: Refer footnote ⁹										
Prime Mover & Trailer	11		Common 5 Axle Semitrailer	39.00	40.00		40.00		✓	✓ ¹³	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 ¹⁴	57.00		✓		59.70 ¹⁵	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)	79.00			81.00	85.00	✓	✓	84.90	83.00		85.05
	91		Common 12 Axle Road train (A Double)	82.50			84.50 Qld = +1.00t	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 Qld = +1.00t	107.50	✓	✓	106.40	104.00		106.05
	96		15 Axle AB-triple Road train and 3 Axle Dolly	102.50			104.50 Qld = +1.00t	113.00 ¹⁶	✓	✓	110.20	107.63		109.73

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

NHVAS Mass Sticker

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

² Notice means:

- a) National Class 3 Truck and Dog Trailer Mass Exemption 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) 2014 (No.2)

³ 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.

⁴ 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

⁵ 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.

⁶ Refer New South Wales Class 3 Grain Harvest Management Scheme Mass Exemption Notice 2022 (No. 1) – 0.5t steer applies when conditions are met

⁷ Refer Victoria Class 3 Grain Harvest Management Scheme Mass Exemption Notice 2022 (No. 1) Vic RFS Mass Limit – 0.5t steer applies when conditions are met

⁸ Refer South Australia Heavy Vehicle Farm Gate Grain Transport Mass Exemption Notice 2020 (No.1) for trucks operating NHVAS mass to allow loading up to CML + 5% – 0.5t steer applies when conditions are met

⁹ 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

¹⁰ Mass limits apply for trucks that comply with the National Class 3 Truck and Dog Trailer Mass Exemption Notice 2020 (No.1)

¹¹ South Australia Class 3 23m Truck and Dog Trailer Mass and Dimension Exemption Notice 2020 (No.1).

¹² 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 (No. 1) on the PBS 2A Network

¹³ Road train prime movers with steer tyres wider than 365mm operating under the National Class 3 Road Train Prime Mover Mass and Dimension Exemption Notice 2021 (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

¹⁴ On general access (non-B double) routes, GML = 50.0t and CML = 51.0t

¹⁵ On routes with no B double access, Qld = 53.70t, NSW and Vic GHMS = 52.5t

¹⁶ NHVR Access Permit Required to Operate in South Australia