

Grain Transport Safety Network truck chart Victoria

Maximum length		12.5m	19.0m ¹	26.0m ²	36.5m							
Category	Code	Image	Description	GML	Vic RFS ³	GML + permit ⁴	CML	HML	+ 0.5mt steer ⁵	+ 1.1mt steer ^{6,7}		
Rigid truck	9		3 axle rigid truck	22.50 9G	23.00 9RFS		23.00 9C	23.00 9H	9GE 9CE 9HE			
Truck & dog	16		3 axle rigid truck and 3 axle dog trailer	42.50 16G		45.00 16N19 45.00 16N23	PBS truck: Refer footnote ⁸		16GE 16NE 16N19E 16N23E			
	76		3 axle rigid truck and 4 axle dog trailer	42.50 76G		50.00 76N19 76N20			76GE 76NE 76N19E 76N20E 76N23E			
	87		3 axle rigid truck and 5 axle dog trailer	59.00 87G					87GE			
Prime mover & trailer	11		5 axle semitrailer	39.00 11G	40.00 11RFS		40.00 11C	40.00 11H	11GE 11CE 11HE			
	12		6 axle semitrailer	42.50 12G	43.00 12RFS		43.50 12C	45.50 12H	12GE 12CE 12HE	12GES 12CES 12HES		
B double	83		7 axle B-double	55.50 83G	57.00 83RFS	50.00 ⁹ 83N	57.00 83C	57.00 83H	83GE 83CE 83HE			
	68		9 axle B-double	62.50 68G	63.00 68RFS		64.50 68C	68.00 68H	68GE 68CE 68HE	68GES 68CES 68HES		
A-double road train ¹⁰	28		11 axle A-double road train	79.00 28G			81.00 28C	85.00 28H	28GE 28CE 28HE	28GES 28CES 28HES		
	91		12 axle A-double road train	82.50 91G			84.50 91C	90.50 91H	91GE 91CE 91HE	91GES 91CES 91HES		
AB triple ¹¹	88		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									

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
RFS = Road Friendly Suspension
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
 Further information, refer to the National Heavy Vehicle Regulator nhvr.gov.au or gtsn.com.au

NHVAS mass sticker

Vehicle label dimensions: 90mm x 120mm

¹ 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
² 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
³ Refer Victoria Class 3 Road Friendly Suspension Mass Exemption Notice 2019 (No.1)
⁴ Permit means:
 a) National Class 3 Truck and Dog Trailer Combination 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 2020 (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 Dimensions Exemption notice 2022
⁸ 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

⁹ On general access (non-B double) routes, GML = 50.0t and CML = 51.0t
¹⁰ In Victoria, NHVR Access Permit required on pre-approved network, trucks can also operate on the PBS 2A network with CML at 72.7t (28CPBS) and PBS 2A HML network at 76.7t (28HPBS)
¹¹ NHVR Access Permit Required to Operate in Victoria