

Mass Limit Chart

Victoria



Rigid Truck

1

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
1E	Rigid Truck - 2 Axle	15.00	*	*	*
1R	Rigid Truck - 2 Axle	*	*	*	15.50
1RS	Rigid Truck - 2 Axle	*	*	*	16.00
1RS	Rigid Truck - 2 Axle	*	*	*	16.50

9

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
9	Rigid Truck - 3 Axle	22.50	*	*	*
9C	Rigid Truck - 3 Axle	*	23.00	*	*
9CS	Rigid Truck - 3 Axle	*	*	*	23.50
9E	Rigid Truck - 3 Axle	*	*	*	23.00
9H	Rigid Truck - 3 Axle	*	*	23.00	*
9HE	Rigid Truck - 3 Axle	*	*	*	23.50
9ES	Rigid Truck - 3 Axle	*	*	*	23.50

17

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
17	Rigid Truck - 3 Axle (NLS) Steer	19.00	*	*	*
17L	Rigid Truck - 3 Axle (LS) Steer	20.00	*	*	*
17LE	Rigid Truck - 3 Axle (LS) Steer	*	*	*	21.00
17R	Rigid Truck - 3 Axle (NLS) Steer	*	*	*	20.00

18

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
18	Rigid Truck - 4 Axle (NLS) Steer	26.50	*	*	*
18C	Rigid Truck - 4 Axle (NLS) Steer	*	27.00	*	*
18H	Rigid Truck - 4 Axle (NLS) Steer	*	*	27.00	*
18R	Rigid Truck - 4 Axle (LS) Steer	*	*	*	27.00
18L	Rigid Truck - 4 Axle (LS) Steer	27.50	*	*	*
18LC	Rigid Truck - 4 Axle (LS) Steer	*	28.00	*	*
18H	Rigid Truck - 4 Axle (LS) Steer	*	*	28.00	*
18LS	Rigid Truck - 4 Axle (LS) Steer	*	*	*	28.00

36

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
36L	Rigid Truck - 5 Axle (Twin Steer LS - Tri-drive)	31.00	*	*	*
36C	Rigid Truck - 5 Axle (Twin Steer LS - Tri-drive)	*	32.00	*	*
36LS	Rigid Truck - 5 Axle (Twin Steer LS - Tri-drive)	*	*	*	31.50
36R	Rigid Truck - 5 Axle (Twin Steer LS - Tri-drive)	*	*	*	31.00
36RS	Rigid Truck - 5 Axle (Twin Steer LS - Tri-drive)	*	*	*	31.50

43

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
43	Rigid Truck - 4 Axle	26.00	*	*	*
43S	Rigid Truck - 4 Axle	*	*	*	26.50
43R	Rigid Truck - 4 Axle	*	*	*	26.00
43RS	Rigid Truck - 4 Axle	*	*	*	26.50

Truck and Trailer

16

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
16	Rigid Truck - 3 Axle (3 Axle Dog trailer)	42.50	*	*	*
16A	Rigid Truck - 3 Axle (3 Axle Dog trailer)	*	*	*	45.00
16AS	Rigid Truck - 3 Axle (3 Axle Dog trailer)	*	*	*	45.50
16C	Rigid Truck - 3 Axle (3 Axle Dog trailer)	43.50	*	*	*
16CS	Rigid Truck - 3 Axle (3 Axle Dog trailer)	*	*	*	44.00
16S	Rigid Truck - 3 Axle (3 Axle Dog trailer)	*	*	*	43.00
16P	Rigid Truck - 3 Axle (3 Axle Dog trailer)	*	*	*	48.00

19

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
19	Rigid Truck - 4 Axle (NLS) Steer (2 Axle Pig trailer)	41.50	*	*	*
19C	Rigid Truck - 4 Axle (NLS) Steer (2 Axle Pig trailer)	42.00	*	*	*
19S	Rigid Truck - 4 Axle (NLS) Steer (2 Axle Pig trailer)	*	*	*	42.00
19CS	Rigid Truck - 4 Axle (NLS) Steer (2 Axle Pig trailer)	42.50	*	*	*
19L	Rigid Truck - 4 Axle (LS) Steer (2 Axle Pig trailer)	42.50	*	*	*
19LC	Rigid Truck - 4 Axle (LS) Steer (2 Axle Pig trailer)	43.00	*	*	*
19LS	Rigid Truck - 4 Axle (LS) Steer (2 Axle Pig trailer)	*	*	*	43.00
19CS	Rigid Truck - 4 Axle (LS) Steer (2 Axle Pig trailer)	*	*	*	43.50

20

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
20	Rigid Truck - 4 Axle (NLS) Steer (3 Axle Pig trailer)	42.50	*	*	*
20S	Rigid Truck - 4 Axle (NLS) Steer (3 Axle Pig trailer)	*	*	*	43.00
20L	Rigid Truck - 4 Axle (NLS) Steer (3 Axle Pig trailer)	43.5	*	*	*
20LS	Rigid Truck - 4 Axle (NLS) Steer (3 Axle Pig trailer)	*	*	*	44.00

21

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
21LS	Rigid Truck - 4 Axle (LS) Steer (2 Axle Dog trailer)	42.50	*	*	43.00
21L	Rigid Truck - 4 Axle (LS) Steer (2 Axle Dog trailer)	42.50	*	*	43.00
21LC	Rigid Truck - 4 Axle (LS) Steer (2 Axle Dog trailer)	43.50	*	*	43.00

22

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
22	Rigid Truck - 4 Axle (NLS) Steer (3 Axle Dog trailer)	42.50	*	*	*
22C	Rigid Truck - 4 Axle (NLS) Steer (3 Axle Dog trailer)	43.50	*	*	*
22S	Rigid Truck - 4 Axle (NLS) Steer (3 Axle Dog trailer)	*	*	*	43.00
22CS	Rigid Truck - 4 Axle (NLS) Steer (3 Axle Dog trailer)	44.00	*	*	*
22L	Rigid Truck - 4 Axle (LS) Steer (3 Axle Dog trailer)	43.50	*	*	*
22LC	Rigid Truck - 4 Axle (LS) Steer (3 Axle Dog trailer)	44.50	*	*	*
22LS	Rigid Truck - 4 Axle (LS) Steer (3 Axle Dog trailer)	*	*	*	44.00
22CS	Rigid Truck - 4 Axle (LS) Steer (3 Axle Dog trailer)	45.00	*	*	*

35

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
35	Rigid Truck - 4 Axle (NLS) Steer (1 Axle Dog trailer)	35.00	*	*	*
35S	Rigid Truck - 4 Axle (NLS) Steer (1 Axle Dog trailer)	*	*	*	35.50
35L	Rigid Truck - 4 Axle (LS) Steer (1 Axle Dog trailer)	36.00	*	*	*
35LS	Rigid Truck - 4 Axle (LS) Steer (1 Axle Dog trailer)	*	*	*	36.50

Semi Trailer

2

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
2	Prime Mover and Semi Trailer (3 Axle)	24.00	*	*	*
2S	Prime Mover and Semi Trailer (3 Axle)	*	*	*	24.50
2R	Prime Mover and Semi Trailer (3 Axle)	*	*	*	26.00
2RS	Prime Mover and Semi Trailer (3 Axle)	*	*	*	26.50

3

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
3	Prime Mover and Semi Trailer (4 Axle)	31.50	*	*	*
3C	Prime Mover and Semi Trailer (4 Axle)	32.00	*	*	*
3CS	Prime Mover and Semi Trailer (4 Axle)	*	*	*	32.50
3S	Prime Mover and Semi Trailer (4 Axle)	*	*	*	32.00
3H	Prime Mover and Semi Trailer (4 Axle)	*	*	33.00	*
3HS	Prime Mover and Semi Trailer (4 Axle)	*	*	*	33.50
3R	Prime Mover and Semi Trailer (4 Axle)	*	*	*	33.00
3RS	Prime Mover and Semi Trailer (4 Axle)	*	*	*	33.50

4

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
4	Prime Mover and Semi Trailer (5 Axle)	35.00	*	*	*
4C	Prime Mover and Semi Trailer (5 Axle)	36.00	*	*	*
4H	Prime Mover and Semi Trailer (5 Axle)	37.50	*	*	*
4S	Prime Mover and Semi Trailer (5 Axle)	*	*	*	35.50
4CS	Prime Mover and Semi Trailer (5 Axle)	*	*	*	36.50
4HS	Prime Mover and Semi Trailer (5 Axle)	*	*	*	38.00

10

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
10	Prime Mover and Semi Trailer (4 Axle)	31.50	*	*	*
10C	Prime Mover and Semi Trailer (4 Axle)	32.50	*	*	*
10S	Prime Mover and Semi Trailer (4 Axle)	*	*	*	32.00
10CS	Prime Mover and Semi Trailer (4 Axle)	*	*	*	33.00

11

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
11	Prime Mover and Semi Trailer (5 Axle)	39.00	*	*	*
11C	Prime Mover and Semi Trailer (5 Axle)	40.00	*	*	*
11CS	Prime Mover and Semi Trailer (5 Axle)	40.50	*	*	40.50
11S	Prime Mover and Semi Trailer (5 Axle)	39.50	*	*	39.50
11H	Prime Mover and Semi Trailer (5 Axle)	40.00	*	*	40.00
11HS	Prime Mover and Semi Trailer (5 Axle)	40.50	*	*	40.50
11R	Prime Mover and Semi Trailer (5 Axle)	40.00	*	*	40.00
11RS	Prime Mover and Semi Trailer (5 Axle)	40.50	*	*	40.50

12

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
12	Prime mover & Semi Trailer (6 Axle)	42.50	*	*	*
12C	Prime mover & Semi Trailer (6 Axle)	43.50	*	*	*
12CS	Prime mover & Semi Trailer (6 Axle)	44.00	*	*	44.00
12S	Prime mover & Semi Trailer (6 Axle)	43.00	*	*	43.00
12H	Prime mover & Semi Trailer (6 Axle)	45.50	*	*	45.50
12HS	Prime mover & Semi Trailer (6 Axle)	46.00	*	*	46.00
12R	Prime mover & Semi Trailer (6 Axle)	43.00	*	*	43.00
12RS	Prime mover & Semi Trailer (6 Axle)	43.50	*	*	43.50

B-Double

83

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
83AC	19 metre Mini B - Double - 7 Axle Combination (Approved Routes)	57.00	*	*	*
83ACS	19 metre Mini B - Double - 7 Axle Combination (Approved Routes)	*	*	*	57.50
83A	19 metre Mini B - Double - 7 Axle Combination (Approved Routes)	55.50	*	*	*
83AS	19 metre Mini B - Double - 7 Axle Combination (Approved Routes)	*	*	*	56.00
83AH	19 metre Mini B - Double - 7 Axle Combination (Approved Routes)	57.00	*	*	*
83AHS	19 metre Mini B - Double - 7 Axle Combination (Approved Routes)	57.50	*	*	57.50
83AR	19 metre Mini B - Double - 7 Axle Combination (Approved Routes)	57.00	*	*	57.00
83ARS	19 metre Mini B - Double - 7 Axle Combination (Approved Routes)	57.50	*	*	57.50
83AS	19 metre Mini B - Double - 7 Axle Combination (Approved Routes)	56.00	*	*	56.00

83

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
83AH7	25-26 metre B-Double - 7 Axle Combination (Approved Routes)	57.00	*	*	*
83AHS7	25-26 metre B-Double - 7 Axle Combination (Approved Routes)	57.50	*	*	57.50
83AHR7	25-26 metre B-Double - 7 Axle Combination (Approved Routes)	57.00	*	*	57.00
83CR7	25-26 metre B-Double - 7 Axle Combination (Approved Routes)	57.50	*	*	57.50

92

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
92	25-26 metre B-Double - 8 Axle Combination (Approved Routes)	59.00	*	*	*
92C	25-26 metre B-Double - 8 Axle Combination (Approved Routes)	61.00	*	*	*
92CS	25-26 metre B-Double - 8 Axle Combination (Approved Routes)	61.50	*	*	61.50
92S	25-26 metre B-Double - 8 Axle Combination (Approved Routes)	59.50	*	*	59.50
92H	25-26 metre B-Double - 8 Axle Combination (Approved Routes)	62.50	*	*	62.50
92HS	25-26 metre B-Double - 8 Axle Combination (Approved Routes)	63.00	*	*	63.00
92R	25-26 metre B-Double - 8 Axle Combination (Approved Routes)	60.00	*	*	60.00
92S	25-26 metre B-Double - 8 Axle Combination (Approved Routes)	60.50	*	*	60.50

Description of Terms

TERM	ABBREVIATION	EXPLANATION	VALIDATION
General Mass Limit	GML		Number of Axle and Axle mass limits
Concessional Mass Limit	CML	Requires registration with NHVAS	Maintenance label
Higher Mass Limit	HML	Requires registration with NHVAS	Mass management label
Road Friendly Suspension	R	Approved suspension system	Air bag suspension
Front Under Run Protection	S	Approved	Plated identification
Permit	P	Performance based standard	Must carry permit
Air Suspension	A	Approved road friendly suspension	Air bag suspension
National Heavy Vehicle Accreditation Scheme	NHVAS	Registered with the regulator	Accreditation number
National Heavy Vehicle Regulator	NHVR	National regulator for all heavy vehicles over 4.5 tonne	Determines all vehicle mass limits

Axle

Axle/s	Axle group/tyres	Axle/vehicle details	Mass limit (tonnes)
I	Single Axle Single tyres	• Steer Axle ***	6.0
		• Non steer Axle, tyres less than 375mm	6.0
		• Non steer Axle, tyres 375mm to 450mm	6.7
II	Single Axle Dual tyres	• Pig/tag trailer	9.5
		• Any other vehicle	10.0
		• A complying bus or a bus authorised to carry standing passengers under an Australian road law	11.0
III	Two-steer axle group Single tyres	• Non load-sharing suspension system	10.0
		• Load-sharing suspension system	11.0
		• Less than 375mm	11.0
II	Two-steer axle group Single tyres	• 375mm to 450mm	13.3
		• At least 450mm	14.0
		• Single tyres on one axle and dual tyres on the other axle	13.0
III	Tandem axle group Dual tyres	• Pig trailer	15.0
		• Any other vehicles	16.5
		• A complying bus	14.0
IV	v group Single tyres	• Single tyres on all axle with section width less than 375mm or single tyres on one or two axle and dual tyres on the other axle or axle	15.0
		• Pig trailer with either single tyres with at least a 375mm section width, dual tyres on all axle or a combination of those types	18.0
		• Vehicle other than a pig trailer with either single tyres with at least a 375mm section width, dual tyres on all axle or a combination of those types	20.0

Disclaimer:

The chart is a summary of common vehicle types and their mass limits, summarising the conditions for operating general access and restricted access vehicles, relating to Axle mass and configurations. The Heavy Vehicle National Law (HVNL) provides General Mass Limits (GML), Concessional Mass Limits (CML) and Higher Mass Limits (HML) for heavy vehicles operating on the national road network.

National heavy vehicle dimension requirements:

The prescribed dimension requirements for heavy vehicles are set out under the Heavy Vehicle (Mass, Dimension and Loading) National Regulation 2013. The information contained within this document has been extracted from the regulation.

Truck and Trailer

5

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - HML	Extras - RFS - FUPS - Air Suspension, Permit
5	Rigid Truck - 2 Axle (2 Axle Pig trailer)	30.00	*	*	*
5S	Rigid Truck - 2 Axle (2 Axle Pig trailer)	*	*	*	30.50

6

Code	Vehicle Description	GML	NHVAS - CML	NHVAS - H
------	---------------------	-----	-------------	-----------