

ABA – Truck Mass Limit Codes

	1A	1B	1C	1D	1E
Rigids					
		Load sharing steer axles	Non-Load sharing steer axles	Load sharing steer axles	Non-Load sharing steer axles
GML	15.0 (6.0 + 9.0) (S)	20.0 (11.0 + 9.0)	19.0 (10.0 + 9.0)	27.5 (11.0 + 16.5)	26.5 (10.0 + 16.5)
RFS	16.0 (6.0 + 10.0) (S)	21.0 (11.0 + 10.0)	20.0 (10.0 + 10.0)	28.0 (11.0 + 17.0)	27.0 (10.0 + 17.0)
NHVAS - CML				28.0 (11.0 + 17.0)	27.0 (10.0 + 17.0)
NHVAS - HML				28.0 (11.0 + 17.0)	27.0 (10.0 + 17.0)
	1F				
GML	22.5 (6.0 + 16.5) (S)				
RFS	23.0 (6.0 + 17.0) (S)				
NHVAS - CML	23.0 (6.0 + 17.0) (S)				
NHVAS - HML	23.0 (6.0 + 17.0) (S)				
Truck Trailer	2A	2B	2C	2D	2E
GML	23.5 (6.0 + 9.0 + 8.5) (S)	30.0 (6.0 + 9.0 + 15.0) (S)	37.5 (6.0 + 16.5 + 15.0) (S)	40.5 (6.0 + 16.5 + 18.0) (S)	30.0 (6.0 + 9.0 + 9.0 + 9.0)# (S)
RFS					
NHVAS - CML					
NHVAS - HML					
	2F	2G	2H		
GML	40.5 (6.0 + 16.5 + 9.0 + 9.0) (S)	42.5 (6.0 + 16.5 + 9.0 + 16.5)#(S)	42.5 (6.0 + 16.5 + 16.5 + 16.5)#(S)		
RFS					
NHVAS - CML	41.0 (6.0 + 17.0 + 9.0 + 9.0) (S)	43.5 (6.0 + 17.0 + 9.0 + 17.0)#(S)	43.5 (6.0 + 17.0 + 17.0 + 17.0)#(S)		
NHVAS - HML					
Air Suspension		45.0 (6.0 + 17.0 + 9.0 + 17.0)#(S)	50.0 (6.0 + 16.5 + 16.5 + 16.5)#(S)		
Semis	3A	3B	3C	3D	
GML	24.0 (6.0 + 9.0 + 9.0) (S)	31.5 (6.0 + 9.0 + 16.5) (S)	39.0 (6.0 + 16.5 + 16.5) (S)	42.5 (6.0 + 16.5 + 20.0) (S)	
RFS	26.0 (6.0 + 10.0 + 10.0) (S)	33.0 (6.0 + 10.0 + 17.0) (S)	40.0 (6.0 + 17.0 + 17.0) (S)	43.0 (6.0 + 17.0 + 20.0) (S)	
NHVAS - CML		32.0 (6.0 + 9.0 + 17.0) (S)	40.0 (6.0 + 17.0 + 17.0) (S)	43.5 (6.0 + 17.0 + 21.0) (S)	
NHVAS - HML		33.0 (6.0 + 10.0 + 17.0) (S)	40.0 (6.0 + 17.0 + 17.0) (S)	45.5 (6.0 + 17.0 + 22.5) ** (S)	
B-Double	4A	4B	4C	4D	4E
	Mini B-Doubles (General Access) (Overall length 19.0 m or less)	Mini B-Doubles (Approved Routes Only)	B-Doubles (Approved Routes Only)	B-Doubles (Approved Routes Only)	B-Doubles (Approved Routes Only)
GML	50.0(6.0 + 16.5 + 16.5 + 16.5)(S)	55.5(6.0 + 16.5 + 16.5 + 16.5)**(S)	55.5(6.0 + 16.5 + 16.5 + 16.5)**(S)	59.0(6.0 + 16.5 + 16.5 + 20.0)**(S)	62.5(6.0 + 16.5 + 20.0 + 20.0)**(S)
RFS	50.0(6.0 + 17.0 + 17.0 + 17.0)(S)	57.0(6.0 + 17.0 + 17.0 + 17.0)**(S)	57.0(6.0 + 17.0 + 17.0 + 17.0)**(S)	60.0(6.0 + 17.0 + 17.0 + 20.0)**(S)	63.0(6.0 + 17.0 + 20.0 + 20.0)**(S)
NHVAS - CML		57.0(6.0 + 17.0 + 17.0 + 17.0)**(S)	57.0(6.0 + 17.0 + 17.0 + 17.0)**(S)	61.0(6.0 + 17.0 + 17.0 + 21.0)**(S)	64.5(6.0 + 17.0 + 21.0 + 21.0)**(S)
NHVAS - HML		57.0(6.0 + 17.0 + 17.0 + 17.0)**(S)	57.0(6.0 + 17.0 + 17.0 + 17.0)**(S)	62.5(6.0 + 17.0 + 17.0 + 22.5)**(S)	68.0(6.0 + 17.0 + 22.5 + 22.5)**(S)
Road Train	5A				
GML	79.0(6.0+16.5+20.0+16.5+20) (S)				
RFS					
NHVAS - CML	82.0(6.0+17.0+21.0+17.0+21.0) (S)				
NHVAS - HML	85.0(6.0+17.0+22.5+17.0+22.5)**(S)				
Permit	P1	P2	P3	P4	P5

Legend

GML	General Mass Limits
RFS	Certified Road Friendly Suspension
NHVAS CML	National Heavy Vehicle Accreditation Scheme Concessional Mass Limits
NHVAS HML	National Heavy Vehicle Accreditation Scheme Higher Mass Limits
Symbols used	
**	Approved Routes Only
(S)	Vehicles complying with the following: Euro 4 engine, Front Underrun protection, Increased cabin strength, GMV greater than 15 tonnes and the vehicle is appropriately rated. Mass limit for the steer axle on these trucks is increased by 0.5 tonnes
#	Trailer mass must never exceed the truck mass except for a 4 axle dog trailer, which must not exceed 125% of the truck mass

How to determine the Vehicle Mass Code

Example: Road Train as pictured operating in accordance with NHVAS – HML:

Code = 5A H

If Euro engine etc fitted, add 'S' i.e.: **5A H S**

Road Train

5A

GML	
RFS	79.0(6.0+16.5+20.0+16.5+20) (S)
NHVAS - CML	82.0(6.0+17.0+21.0+17.0+21.0) (S)
NHVAS - HML	85.0(6.0+17.0+22.5+17.0+22.5)**(S)