



Vehicle Weights and Dimensions Guide

Vehicle Weight and Dimension Limits in Manitoba

19 January 2016

In the event of any discrepancy between this Weights and Dimensions Guide and the *Highway Traffic Act (HTA)* or the *Vehicle Weights and Dimensions on Classes of Highways Regulation (MR 575/88)*, the **HTA and MR 575/88 will take precedence.**

Updates to this Guide will be available on the Infrastructure and Transportation, Motor Carrier Division website at: www.gov.mb.ca/mit/mcd/

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Terms Used in this Guide

Aerodynamic device: Means auxiliary equipment that is designed and used to improve the aerodynamic performance of a vehicle and is mounted at the rear of a truck, trailer or semi-trailer;

A-Train: A combination of vehicles composed of a truck tractor, a lead semi-trailer followed by an A-dolly and either a semi-trailer or a full trailer.

Auxiliary equipment: Means equipment that is permanently mounted at the front, at the rear, or on the side of a vehicle, and is not designed nor intended to be used to increase the vehicle's load-carrying capacity.

Axle Group: A tandem axle or tridem axle. (See tandem axle and tridem axle definitions, below.)

Axle Spread: The distance between the centers of the axles in an axle group.

Axle Unit: A single axle, or a tandem or tridem axle group.

B-Train: A combination of vehicles composed of a truck tractor and a lead semi-trailer, followed by another semi-trailer, attached to a fifth wheel coupler mounted on the rear of the first semi-trailer.

Box Length: Applies to the distance from the front of the load-carrying area to the rear of the load-carrying area, and the load. Auxiliary equipment is not included in this measurement.

Class A1: Applies to one of the three highway classifications – RTAC, A1 and B1.

Class B1: Applies to one of the three highway classifications – RTAC, A1 and B1.

Converter Dolly: A dolly equipped with one or two axles and designed to connect to a tow bar on the rear of the truck or trailer in front. An A-dolly has a single drawbar with a centered coupling, and a C-dolly has two separate couplings side-by-side.

C-Train: A combination of vehicles composed of a truck tractor and a semi-trailer, followed by another semi-trailer, attached to the first semi-trailer by the means of a C-dolly.

Dimension A: The measurement from the centre of last axle on the lead semi trailer to the centre of the first axle on the converter dolly or second trailer.

Drawbar: Is a solid coupling between a hauling vehicle and its hauled load. It is the structural part of a full trailer, pony trailer or trailer converter dolly used for the purpose of coupling with a hitching device or fifth wheel coupler.

Drawbar Length: Applies to distance measured from the hitching device of the towing vehicle to:

- the front of the load carrying portion of a pony trailer, or
- the centre of the front axle unit of the full trailer, or
- the centre of the lower fifth wheel coupler locking device of a trailer converter dolly on an A-train or C-train.

Drive Axle: An axle that is connected to the power source of a motor vehicle and sends the power to the wheels.

Fifth Wheel Coupler: A coupling device securely attached to the chassis of a vehicle which will accept a semi-trailer kingpin inserted through the device and will lock the kingpin in position to allow rotation.

Full Trailer: A trailer without motive power that is designed to be towed by another vehicle and is designed so that all of its weight and load is carried on its own axles.

Gross Axle Weight: The gross weight carried by an axle unit and transferred to the road by the wheels of that axle.

Gross Vehicle Weight or GVW: Means the total weight of a vehicle or combination of vehicles, including its load, transmitted to the road by its axles.

Hitch Offset: The distance from the turn centre to the articulation point of the hitching device or fifth wheel coupler used to tow the following vehicle.

Interaxle Spacing: The distance between two axle units, determined by measuring from the centre of the last axle in the first axle group to the first axle of the next axle group.

Kingpin Setback: The horizontal distance from the vertical axis through the centre of the kingpin to any point on the semi-trailer ahead of the kingpin including any load. This measurement excludes any auxiliary equipment attached to the front of the semi-trailer that is not designed for the transport of goods.

Lift Axle: An axle controlled by a device designed for raising or lowering a single axle unit or for varying the load on an axle unit.

- for a non-RTAC vehicle manufactured after December 31, 1988, the control device cannot be operated from the operator's compartment
- for an RTAC vehicle, the tires on the lift axle cannot be in contact with the ground.

Maximum Weights: All maximum axle weights are subject to minimum tire size. The maximum weight per tire shall not exceed the lesser of the tire manufacturer's weight rating or the width of the tire stamped on the sidewall multiplied by 10 kg/mm.

Overall Height: The vertical distance between the surface of the road and the highest point on a vehicle or combination of vehicles, including load.

Overall Length: The distance from the foremost point of a vehicle or combination of vehicles to the rearmost point of the vehicle or combination of vehicles, including load. Auxiliary equipment is not included in this measurement.

Overall Width: The widest dimension of a vehicle or combination of vehicles, including load and auxiliary equipment.

Pony Trailer: A vehicle without motive power that is equipped with a rigid drawbar and is designed to be towed by another vehicle and is designed to carry all or most of its gross vehicle weight on its axles.

RTAC: (Acronym for "Road Transportation Association of Canada, now known as Transportation Association of Canada or "TAC".)

- when used in reference to a highway, RTAC is one of the highway classifications in the national standard – RTAC, A1 and B1
- when used in reference to a commercial vehicle, RTAC is a vehicle that complies with the *Heavy Truck Weight and Dimension Limits for Interprovincial Operations in Canada* (resulting from the Federal-Provincial-Territorial Memorandum of Understanding on Interprovincial Weights and Dimensions).

Rear Effective Overhang: The distance from the turn centre of the last axle unit to the rearmost point including load on the truck, trailer or semi-trailer.

Semi-Trailer: A trailer designed so that a substantial part of its weight and load rests on and is carried by the truck tractor, another semi-trailer or a trailer converter dolly which it is attached by a fifth wheel coupler.

Single Axle: One axle or two consecutive axles having an axle spread of less than 1.0 m.

Steering Axle: The articulated axle or axle group of a vehicle that is controlled by the driver in managing the direction travelled by the vehicle, or an articulated axle on a

trailer or semi-trailer where the direction of travel of the trailer is controlled by the towing unit.

Tandem Axle: Two or more equally spaced consecutive axles, having an axle spread of not less than 1.0 m but not more than 1.85 m, that are designed to automatically distribute the load.

Track Width: The distance from the outside face of the outermost tire on one end of an axle to the outside face of the outermost tire on the axle's opposite end, measured at any point above the lowest point of the rim.

Trailer Converter Dolly: A vehicle without motive power that is designed to be used to convert a semi-trailer to a full trailer, and has one or more axles, the lower half of a fifth wheel coupler, and a drawbar assembly.

Tridem Axle: Three equally spaced consecutive axles, having an axle spread of not less than 2.4 m but not more than 3.7 m, which are designed to automatically distribute the load.

Tridem Drive Axle Group: A tridem axle group in which all three axles are connected to a power source that transmits tractive power to all wheels on those axles.

Trailer Length:

- on a **pony trailer**, applies to the distance measured from the articulation point of the hitching device to the rear of the pony trailer or any load carried on the trailer, whichever is the greater distance from the front of the pony trailer, or
- on a **full trailer**, is the distance measured from the front of the trailer, excluding any auxiliary equipment attached to the front of the full trailer to the rear of the full trailer or any load carried on the trailer whichever is the greater distance from the front of the full trailer, or
- on a **semi-trailer**, is the distance measured from the front of the semi-trailer, excluding any auxiliary equipment attached to the front of the semi-trailer that is not designed for the transportation of goods, to the rear of the semi-trailer or any load carried on it, whichever is the greater distance from the front of the semi-trailer.

Truck Tractor: A motor vehicle having a net weight of more than 4000 kg, and equipped with the lower half of a fifth wheel coupler designed to be used to pull a semi-trailer by coupling to the kingpin attached to the semi-trailer.

Wheelbase: As it applies to

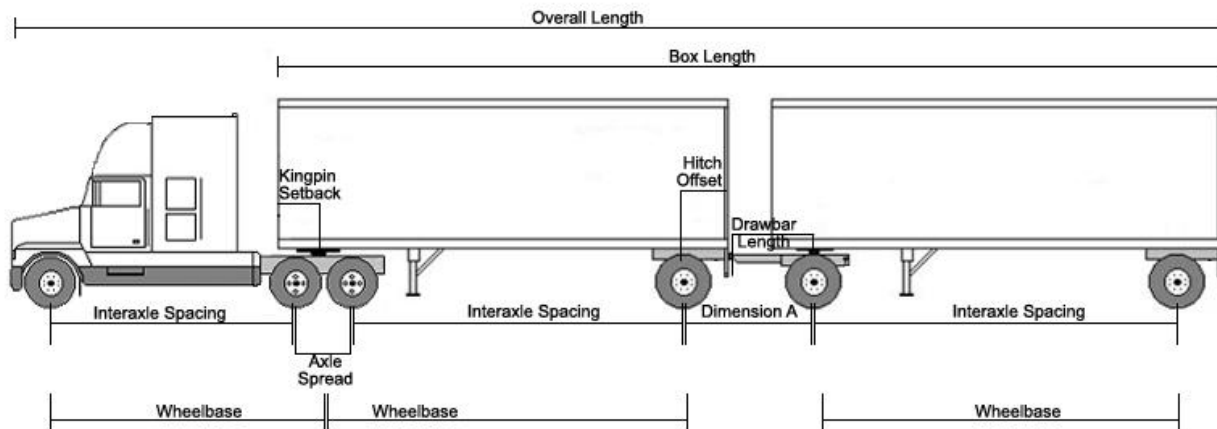
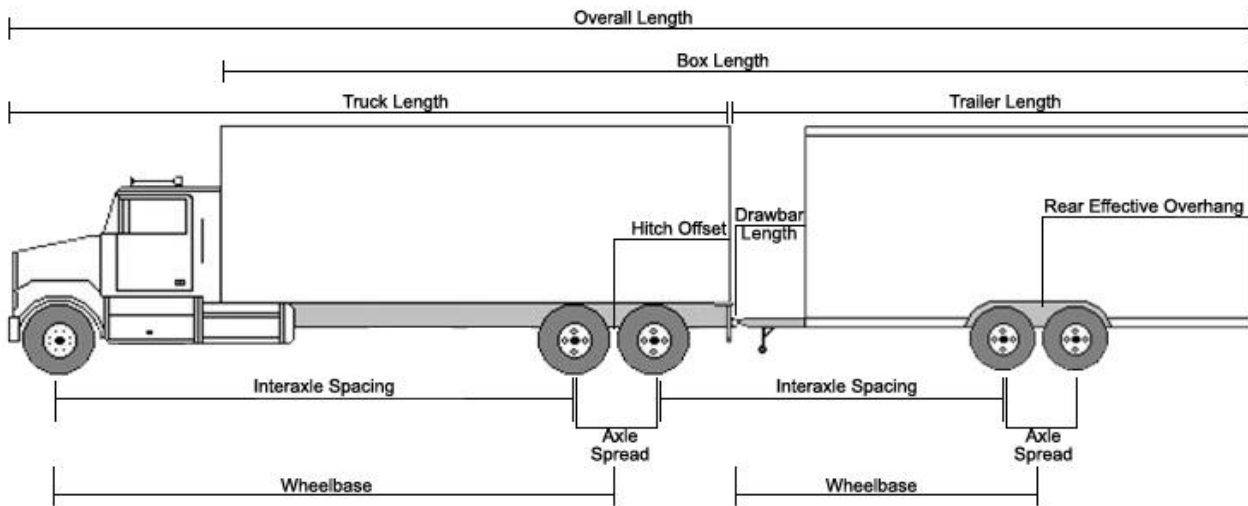
- a **full trailer**, is the distance from the centre of the trailer's turntable to the trailer's turn centre,
- a **pony trailer**, is the distance from the centre of the trailer's hitching device to the trailer's turn centre,
- a **semi-trailer**, is the distance from the centre of the trailer's kingpin to the trailer's turn centre,
- a **truck, truck tractor, bus or motor home**, is the distance from the centre of the vehicle's steering axle unit to the vehicle's turn centre.

Wide-Base Single Tire: A non-steering tire that has a width of 445 mm or greater and meets the requirements of the *Motor Vehicle Tire Safety Regulations, 1995* (Canada).

Width of Tire: Means the width of the tire as customarily measured and rated by manufacturers of motor vehicles and tires (the amount of space across the tread pattern from sidewall to sidewall).

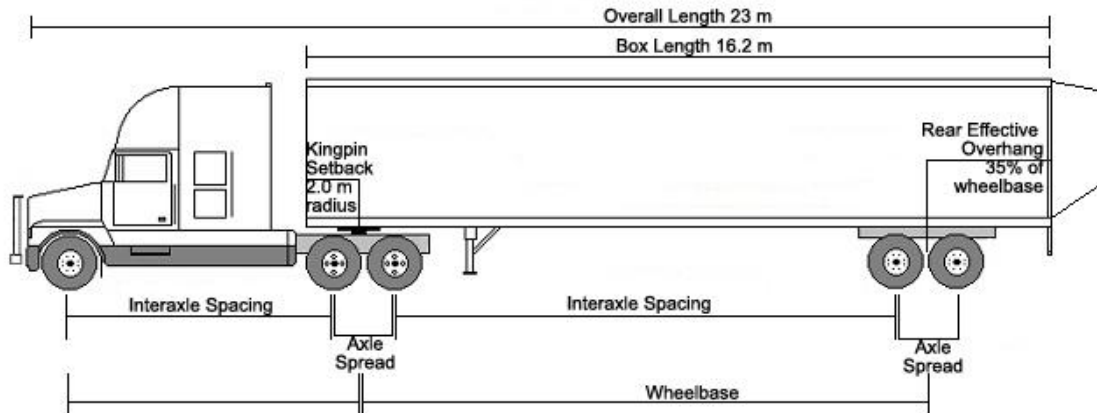
Wildlife bumper: A heavy duty bumper or device designed to reduce the impact of wildlife collisions that is mounted on the front of a truck or truck tractor.

Units of Measure Used in this Guide



For descriptions of the measures used above, please see “Terms Used in this Guide.”

Auxiliary Devices



For descriptions of wildlife bumpers and aerodynamic devices, please see “Terms Used in this Guide.”

Conversions: Imperial/Metric

Metric to Imperial	Imperial to Metric
1 kg = 2.2046 pounds	1 pound = 0.4536 kg
1 m = 3.2808 feet	1 foot = 0.3048 m = 304.8 mm
1 m = 39.37 inches	1 inch = 0.0254 m = 25.4 mm

Wide-base Single Tire Chart

	Weight for axle groups <i>other than steer axles</i>		
Maximum Wide Base Single Tire Weight	RTAC	Class A1	Class B1
Maximum per tire	N/A	3,850 kg	3,850 kg
Single Axle Maximum	9,100 kg	7,700 kg	7,700 kg
Tandem Axle Unit			
Tandem Axle Maximum	17,000 kg	15,200 kg	13,800 kg
Tridem Axle Unit			
Axle spread 2.4 m to less than 3.0	21,000 kg	20,000 kg	19,000 kg
Axle spread 3.0m to less than 3.6	23,000 kg	22,000 kg	19,000kg
Axle spread 3.6 m to 3.7 m	24,000 kg	22,000 kg	19,000kg
Tridem Drive Axle Unit			
Axle spread 2.4 m to less than 2.8	21,000 kg	20,000 kg	19,000 kg
Tridem Drive Axle Unit (on a vehicle with a tandem steer axle group)			
Axle spread 2.7 m to less than 3.0	22,000 kg	20,000 kg	19,000 kg

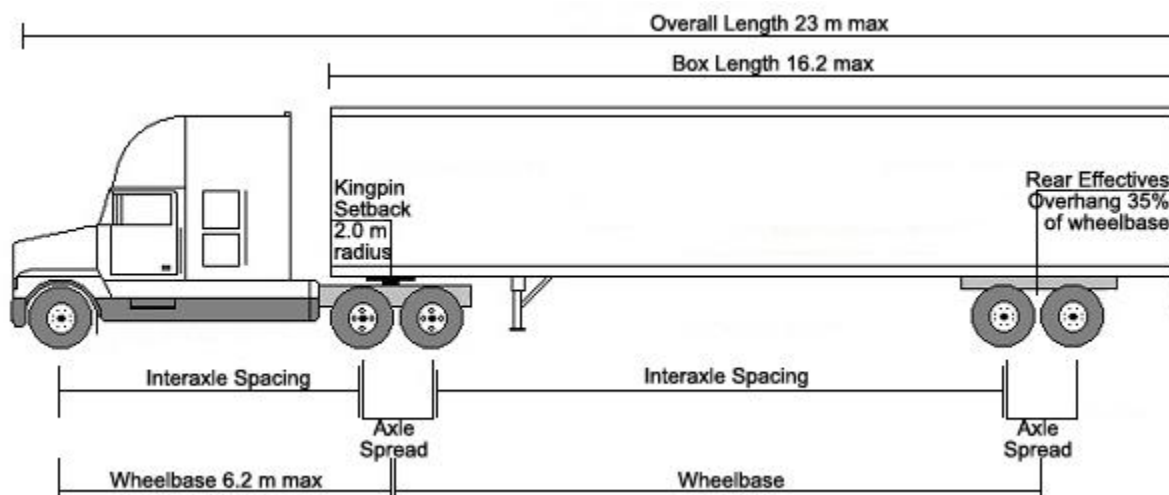
Refer to Sections 9(4) and 9(5) of *M.R. 575/88* for track width on semi trailers, pony trailers and full trailers equipped with wide-base single tires.

RTAC CONFIGURATIONS

RTAC refers to all commercial vehicles that conform to the national standard designated by the Road Transportation Association of Canada.

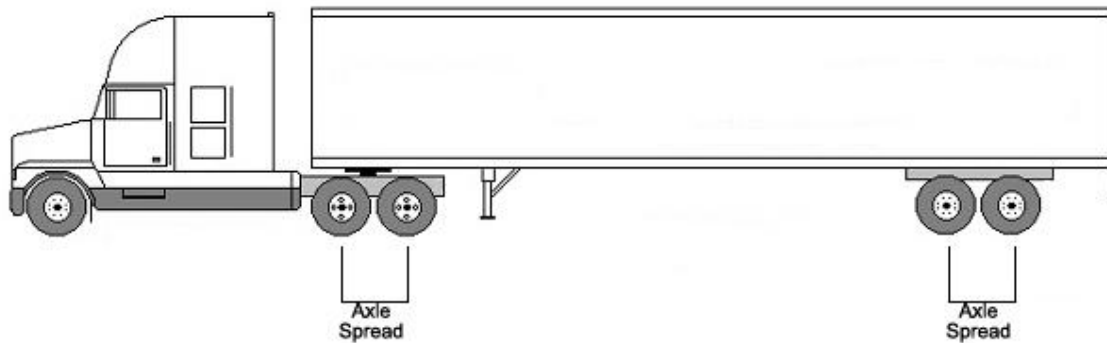
In the event of any discrepancy between this Weights and Dimensions Guide and the *Highway Traffic Act (HTA)* or the *Vehicle Weights and Dimensions on Classes of Highways Regulation (MR 575/88)*, the HTA and MR 575/88 will take precedence.

SINGLE STEER TRUCK TRACTOR/TRAILER COMBINATION



DIMENSION	LIMIT
Overall Length	Maximum 23.0 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Tractor	
Wheelbase	Maximum 6.2 m
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Semi Trailer	
Box Length	Maximum 16.2 m
Wheelbase ¹	Minimum 6.25 m/Maximum 12.5 m
Single, Tandem or Tridem Axle Group	Minimum 6.25 m/Maximum 12.5 m
Kingpin Setback	Maximum 2.0 m radius
Rear Effective Overhang	Maximum 35% of wheelbase
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Tridem Axle Spread	Minimum 2.4 m/Maximum 3.7 m
Track Width ²	Minimum 2.5 m/Maximum 2.6 m
Interaxle Spacing	
Steering Axle to Drive Axle	Minimum 3.0 m
Tandem Axle to Tandem Axle	Minimum 5.0 m
Tandem Axle to Tridem Axle	Minimum 5.5 m

SINGLE STEER TRUCK TRACTOR/TRAILER COMBINATION (continued)



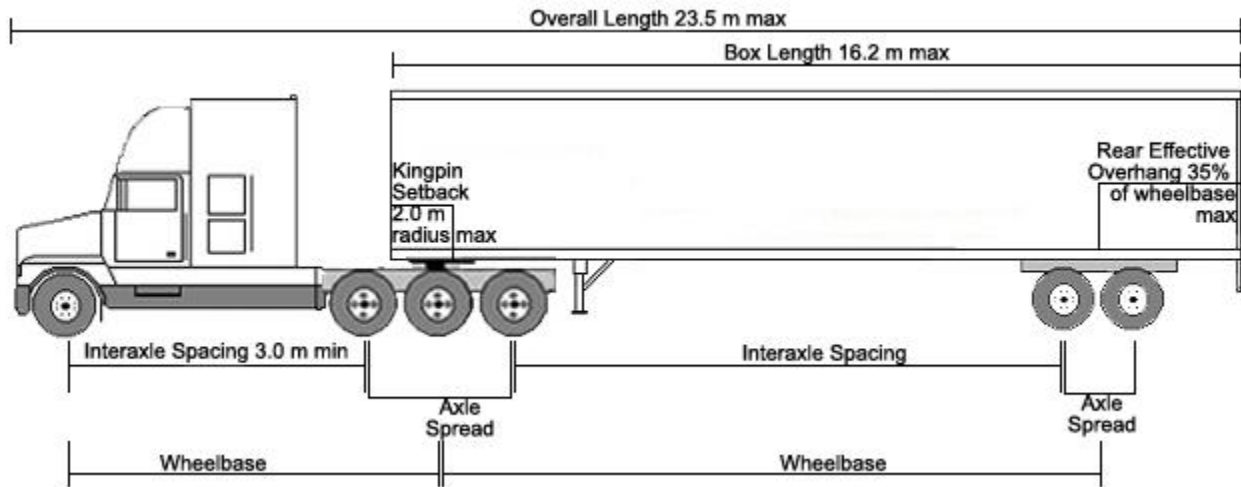
MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Tractor			
Steering Axle	6000 kg	6000 kg	6000 kg
Single Axle (dual tires) ³	9100 kg	9100 kg	8200 kg
Tandem Axle:			
Axle Spread 1.0 m - 1.85 m	17000 kg	16000 kg	14500 kg
Semi Trailer			
Single Axle (dual tires)	9100 kg	9100 kg	8200 kg
Tandem Axle:			
Axle Spread 1.0 m - 1.85 m	17000 kg	16000 kg	14500 kg
Tridem Axle:			
Axle Spread 2.4 m to less than 3.0 m	21000 kg	21000 kg	20000 kg
Axle Spread 3.0 m to less than 3.6 m	23000 kg	23000 kg	20000 kg
Axle Spread 3.6 m to 3.7 m	24000 kg	23000 kg	20000 kg
Maximum Gross Vehicle Weight Limits (Combination)			
3 Axles	24200 kg	24200 kg	22400 kg
4 Axles	32100 kg	31100 kg	28700 kg
5 Axles	40000 kg	38000 kg	35000 kg
6 Axle with Tridem Semi Trailer:			
Axle Spread 2.4 m to less than 3.0 m	44000 kg	43000 kg	40500 kg
Axle Spread 3.0 m to less than 3.6 m	46000 kg	45000 kg	40500 kg
Axle Spread 3.6 m to 3.7 m	47000 kg	45000 kg	40500 kg

¹In the case of a truck tractor coupled to a semi trailer equipped with a single axle, the wheelbase of the semi trailer is Not controlled.

²Semi trailers manufactured prior to July 1, 1988 that have not had their axle units totally replaced may have a track width of less than 2.5 m. Refer to Sections 9(4) and 9(5) of *M.R. 575/88* for track width on semi trailers, pony trailers and full trailers equipped with wide-base single tires.

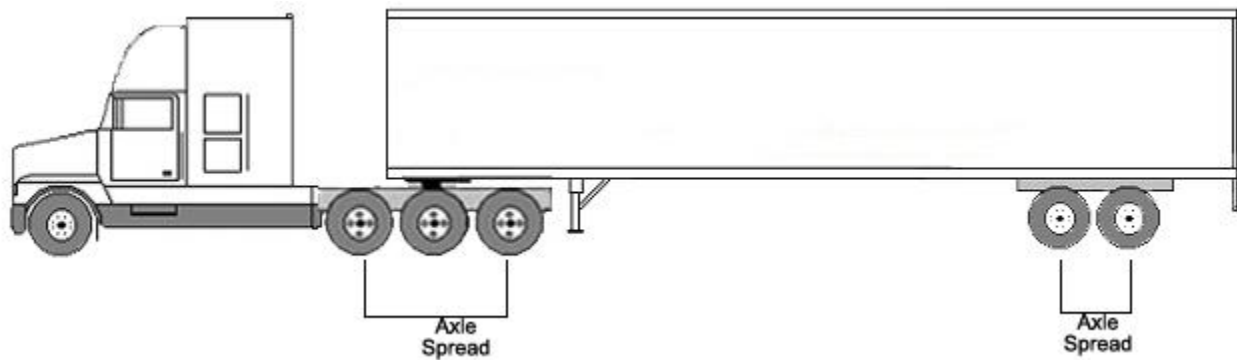
³Semi trailers equipped with two single axle units with an interaxle spacing of 1.86 m to 3.70 m inclusive cannot exceed the maximum allowable gross axle weight for a single axle unit.

TRIDEM DRIVE TRUCK TRACTOR/TRAILER COMBINATION



DIMENSION	LIMIT
Overall Length	Maximum 23.5 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Tractor	
Wheelbase	Minimum 6.6 m/Maximum 6.8 m
Tridem Drive Axle Spread ⁴	Minimum 2.4 m/Maximum 2.8 m
Tridem Drive Axle Track Width	Minimum 2.5 m/Maximum 2.6 m
Semi Trailer⁵	
Box Length	Maximum 16.2 m
Wheelbase Single, Tandem or Tridem ¹	Minimum 6.25 m/Maximum 12.5 m
Kingpin Setback	Maximum 2.0 m radius
Rear Effective Overhang	Maximum 35% of wheelbase
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Tridem Axle Spread	Minimum 2.4 m/Maximum 3.7 m
Track Width ²	Minimum 2.5 m/Maximum 2.6 m
Interaxle Spacing	
Steering Axle to Drive Axle	Minimum 3.0 m
Tridem Axle to Tandem Axle	Minimum 5.5 m
Tridem Axle to Tridem Axle	Minimum 6.0 m

Tridem Drive Truck Tractor/TRAILER COMBINATION (continued)



MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Tractor			
Steering Axle⁶	7300 kg	7300 kg	7300 kg
Tridem Drive Axle (tractor)			
Drive Axle Spread 2.4 m to less than 2.7 m	21000 kg	21000 kg	20000 kg
Drive Axle Spread 2.7 m - 2.8 m	22000 kg	21000 kg	20000 kg
Semi Trailer			
Single Axle (dual tires)³	9100 kg	9100 kg	8200 kg
Tandem Axle:			
Axle Spread 1.0 m - 1.85 m	17000 kg	16000 kg	14500 kg
Tridem Axle			
Axle Spread 2.4 m to less than 3.0 m	21000 kg	21000 kg	20000 kg
Axle Spread 3.0 m to less than 3.6 m	23000 kg	23000 kg	20000 kg
Axle Spread 3.6 m to 3.7 m	24000 kg	23000 kg	20000 kg
Maximum Gross Vehicle Weight Limits (Combination)			
5 Axles	38400 kg	37400 kg	35500 kg
6 Axles	46300 kg	44300 kg	41800 kg
7 Axles	53300 kg	51300 kg	47300 kg

¹In the case of a truck tractor coupled to a semi trailer equipped with a single axle, the wheelbase of the semi trailer is Not controlled.

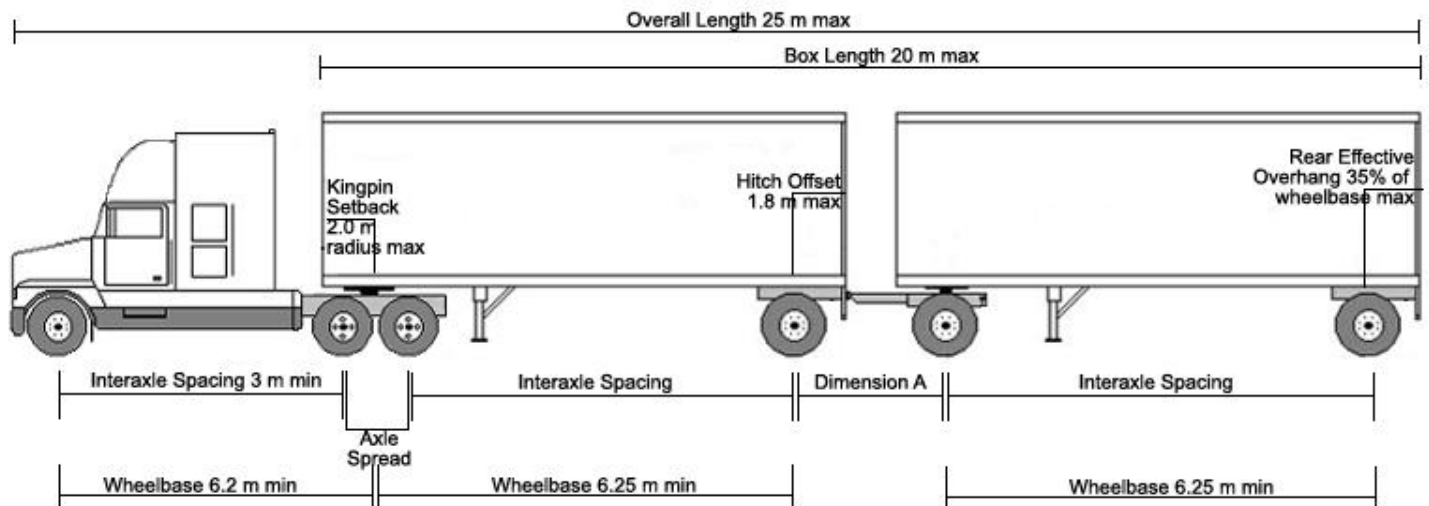
²Semi trailers manufactured prior to July 1, 1988 that have not had their axle units totally replaced may have a track width of less than 2.5 m. Refer to Sections 9(4) and 9(5) of *M.R. 575/88* for track width on semi trailers, pony trailers and full trailers equipped with wide-base single tires.

³Semi trailers equipped with two single axle units with an interaxle spacing of 1.86 m to 3.70 m inclusive cannot exceed the maximum allowable gross axle weight for a single axle unit.

⁴All three axles in tridem group must drive (no pusher, tag or lift axles allowed). Drive axle locking devices must be unlocked while operating on a highway.

⁵Semi trailer may be equipped with a single, tandem or tridem axle.

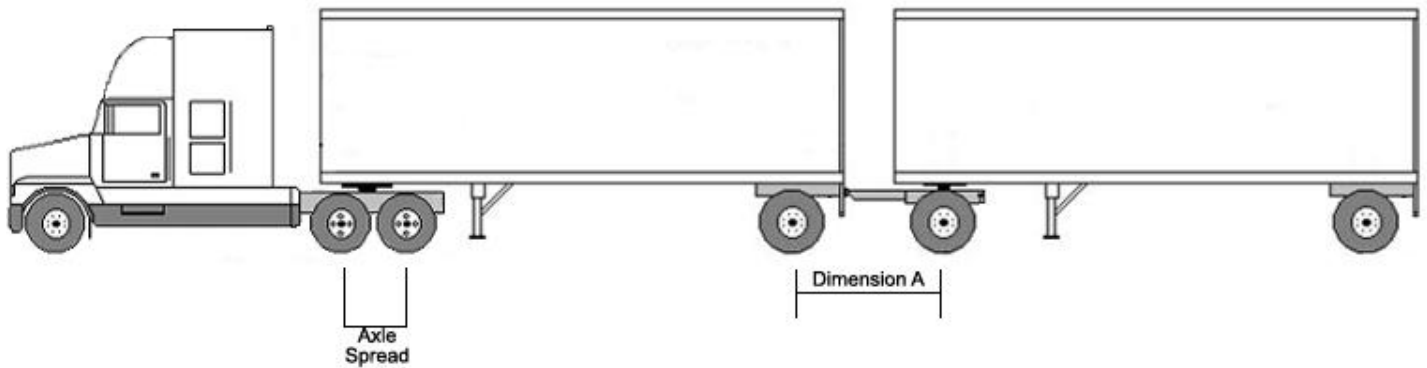
⁶Minimum 27% of drive axle weight at all times - maximum 7300 kg.

A-TRAIN

DIMENSION	LIMIT
Overall Length	Maximum 25.0 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Maximum 20.0 m
Tractor	
Wheelbase - single or tandem drive	Maximum 6.2 m
Wheelbase – tridem drive	Minimum 6.6 m/Maximum 6.8 m
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Interaxle Spacing	Minimum 3.0 m
Lead Semi Trailer¹	
Wheelbase	Minimum 6.25 m
Kingpin Setback	Maximum 2.0 m radius
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Hitch Offset	Maximum 1.8 m
Track Width ²	Minimum 2.5 m/Maximum 2.6 m
Rear Effective Overhang	Maximum 35% of trailer wheelbase
Second Semi Trailer or Full Trailer	
Wheelbase	Minimum 6.25 m
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Track Width	Minimum 2.5 m/Maximum 2.6 m
Rear Effective Overhang	Maximum 35% of trailer wheelbase
Interaxle Spacings	
Steering Axle to Drive Axle	Minimum 3.0 m
Single Axle to Single or Tandem Axle ³	Minimum 3.0 m

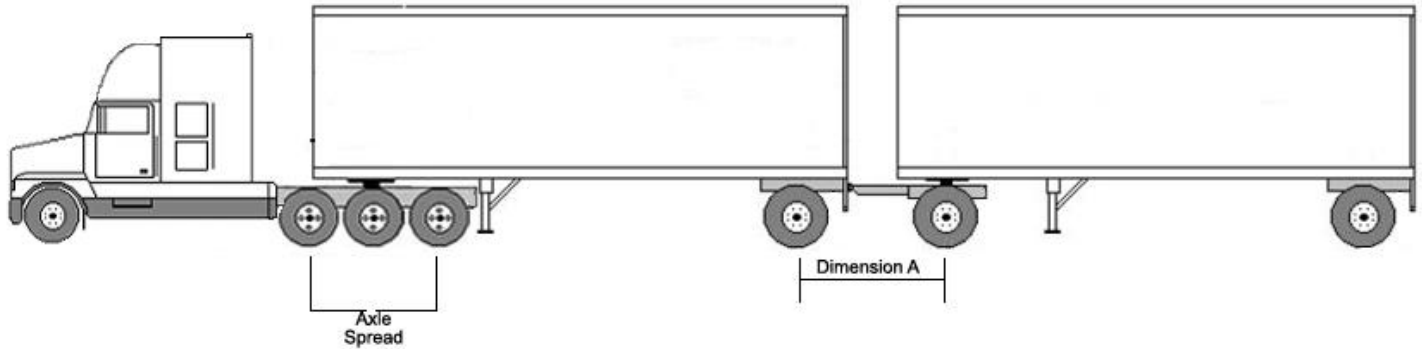
Single Axle to Tridem Axle ³	Minimum 3.0 m
Tandem Axle to Tandem Axle	Minimum 5.0 m
Tandem Axle to Tridem Axle	Minimum 5.5 m
Tridem Axle to Tridem Axle	Minimum 6.0 m
Dimension "A" - (from the centre of last axle on the lead Semi Trailer to the centre of the first axle on the converter dolly or second trailer)	Not controlled

A-train with Tandem Drive Axle (continued)



MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Tractor			
Steering Axle	6000 kg	6000 kg	6000 kg
Tandem Axle:			
Axle Spread 1.0 m - 1.85 m	17000 kg	16000 kg	14500 kg
Semi Trailer			
Single Axle (dual tires)	9100 kg	9100 kg	8200 kg
Tandem Axle:			
Axle Spread 1.0 m - 1.85 m	17000 kg	16000 kg	14500 kg
Tridem Axle:			
Axle Spread 2.4 m to less than	21000 kg	21000 kg	20000 kg
Axle Spread 3.0 m to less than	23000 kg	23000 kg	20000 kg
Axle Spread 3.6 m to 3.7 m	24000 kg	23000 kg	20000 kg
Maximum Gross Vehicle Weight Limits (Combination)⁴			
5 Axles	42400 kg	42400 kg	38800 kg
6 Axles	50300 kg	49300 kg	45100 kg
7 Axles	53500 kg	53500 kg	47630 kg
8 Axles	53500 kg	53500 kg	47630 kg
Weight Restriction 1: Sum of axle weights of lead semi trailer plus weight of converter dolly axle	If Dimension "A" is less than 3 metres, the weight of the axle(s) on the lead semi trailer plus the weight of the converter dolly axle(s) is limited to a maximum of 17000 kg for a two axle group or a maximum of 23000 kg for a three axle group.		
Weight Restriction 2: Sum of axle weights of full trailer or second semi trailer	The weight of the second trailer must not exceed the weight of the drive axle(s) plus the weight of the axle(s) on the first semi trailer.		

A-train with Tridem Drive Axle (continued)



MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Tractor			
Steering Axle ⁵	7300 kg	7300 kg	7300 kg
Wheelbase	Minimum 6.6 m/Maximum 6.8 m		
Tridem Drive Axle Spread	Minimum 2.4 m/Maximum 2.8 m		
Tridem Drive Axle Track Width	Minimum 2.5m/Maximum 2.6m		
Tridem Drive Axle (tractor) ⁶			
Drive Axle Spread 2.4 m to less than 2.7 m	21000 kg	21000 kg	20000 kg
Drive Axle Spread 2.7 m - 2.8 m	22000 kg	21000 kg	20000 kg
Semi Trailer			
Single Axle (dual tires)	9100 kg	9100 kg	8200 kg
Tandem Axle			
Axle Spread 1.0 m - 1.85 m	17000 kg	16000 kg	14500 kg
Tridem Axle			
Axle Spread 2.4 m to less than 3.0 m	21000 kg	21000 kg	20000 kg
Axle Spread 3.0 m to less than 3.6 m	23000 kg	23000 kg	20000 kg
Axle Spread 3.6 m to 3.7 m	24000 kg	23000 kg	20000 kg
Maximum Gross Vehicle Weight Limits (Combination)			
7 Axles	53500 kg	53500 kg	47630 kg
8 Axles	53500 kg	53500 kg	47630 kg

¹ Semi trailers equipped with two single axle units with an interaxle spacing of 1.86 m to 3.70 m inclusive cannot exceed the maximum allowable gross axle weight for a single axle unit.

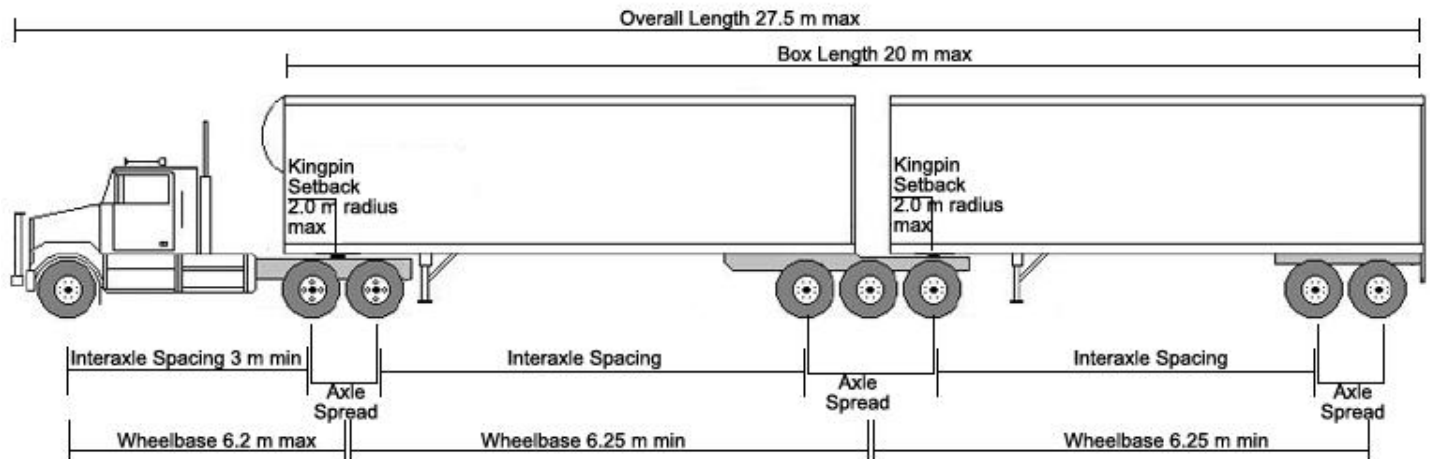
² Semi trailers manufactured prior to July 1, 1988 that have not had their axle units totally replaced may have a track width of less than 2.5 m. Refer to Sections 9(4) and 9(5) of *M.R. 575/88* for track width on semi trailers, pony trailers and full trailers equipped with wide-base single tires.

³ This minimum applies to the interaxle spacing between the axle unit on a semi trailer and the adjacent axle unit on a trailer converter dolly. Spacing less than 3.0 m is allowed provided: the sum of the weights of a single axle semi trailer and the converter dolly does not exceed the maximum allowable gross axle weight of a tandem axle unit; the sum of the weights of a tandem axle semi trailer and the converter dolly does not exceed the maximum allowable gross axle weight of a tridem axle unit with an axle spread of 3.0 m to less than 3.6 m. The use of a trailer converter dolly equipped with a tandem or tridem axle is not permitted.

⁴A-Trains with trailer equipment manufactured prior to July 1, 1988 are allowed a maximum allowable gross vehicle weight of 56,500 kg.

⁵Minimum 27% of drive axle weight at all times - maximum 7300 kg.

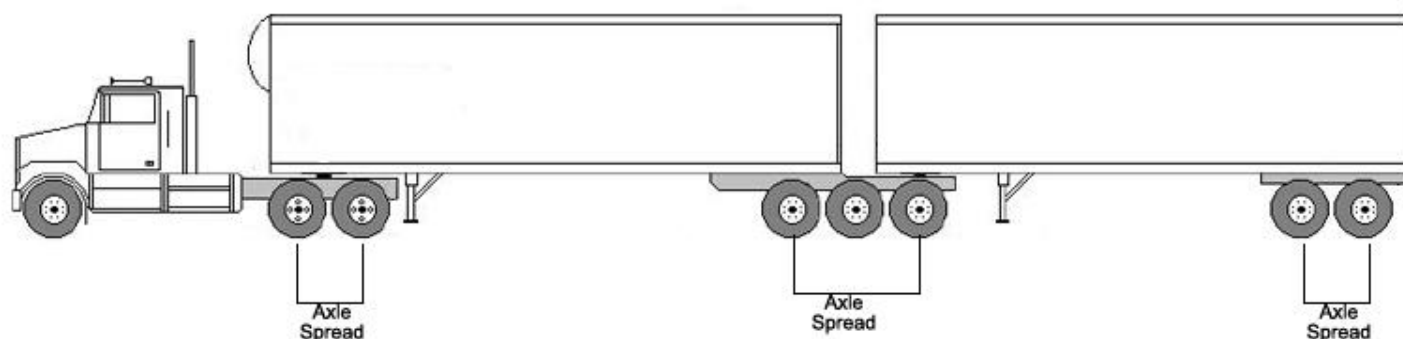
⁶All three axles in tridem group must drive (no pusher, tag or lift axles allowed). Drive axle locking devices must be unlocked while operating on a highway.

B-TRAIN

DIMENSION	LIMIT
Overall Length¹	Maximum 27.5 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Maximum 20.0 m
Tractor	
Wheelbase – single or tandem drive	Maximum 6.2 m
Wheelbase – tridem drive	Minimum 6.6 m/Maximum 6.8 m
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Lead Semi Trailer	
Wheelbase	Minimum 6.25 m
Kingpin Setback	Maximum 2.0 m radius
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Tridem Axle Spread	Minimum 2.4 m/Maximum 3.1 m
Track Width ²	Minimum 2.5 m/Maximum 2.6 m
Fifth Wheel Position	No more than 0.3 m behind the centre of the rearmost axle on the Semi Trailer
Second Semi Trailer	
Wheelbase	Minimum 6.25 m
Kingpin Setback	Maximum 2.0 m radius
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Tridem Axle Spread	Minimum 2.4 m/Maximum 3.7 m
Track Width	Minimum 2.5 m/Maximum 2.6 m
Sum of Semi Trailer Wheelbases	Maximum 17.0 m

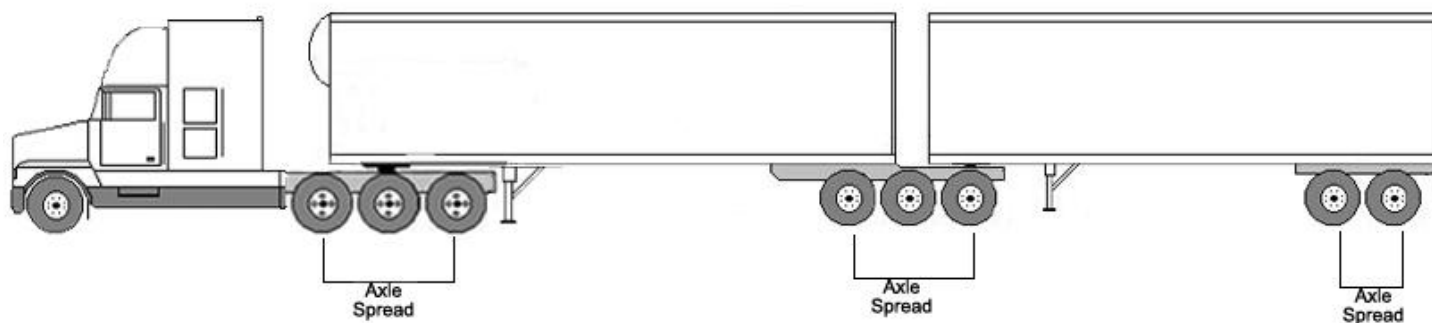
Interaxle Spacings	
Steering Axle to Drive Axle	Minimum 3.0 m
Tandem Axle to Tandem Axle	Minimum 5.0 m
Tandem Axle to Tridem Axle	Minimum 5.5 m
Tridem Axle to Tridem Axle	Minimum 6.0 m

B-train with Tandem Drive Axle (continued)



MAXIMUM WEIGHT	RTAC	A1	B1
Tractor			
Steering Axle	6000 kg	6000 kg	6000 kg
Single Axle (dual tires)	9100 kg	9100 kg	8200 kg
Tandem Axle:			
Axle Spread 1.0 m - 1.85 m	17000 kg	16000 kg	14500 kg
Semi Trailer			
Single Axle (dual tires) ³	9100 kg	9100 kg	8200 kg
Tandem Axle			
Axle Spread 1.0 m - 1.85 m	17000 kg	16000 kg	14500 kg
Tridem Axle at the rear of the first semi-trailer:			
Axle Spread 2.4 m to less than 3.0 m	21000 kg	21000 kg	20000 kg
Axle Spread 3.0 m to less than 3.1 m	23000 kg ³	23000 kg	20000 kg
Maximum Gross Vehicle Weight Limits (Combination)			
5 Axles	41200 kg	40200 kg	36900 kg
6 Axles	49100 kg	47100 kg	43200 kg
7 Axles	57000 kg	54000 kg	47630 kg
8 Axles	62500 kg ³	56500 kg	47630 kg
More than 8 Axles	62500 kg ³	56500 kg	47630 kg

B-train with Tridem Drive Axle (continued)



MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Tractor			
Steering Axle⁵	7300 kg	7300 kg	7300 kg
Tridem Drive Axle (tractor)⁶			
Drive Axle Spread 2.4 m to less than 2.7 m	21000 kg	21000 kg	20000 kg
Drive Axle Spread 2.7 m - 2.8 m	22000 kg	21000 kg	20000 kg
Semi Trailer			
Single Axle (dual tires)	9100 kg	9100 kg	8200 kg
Tandem Axle			
Axle Spread 1.0 m - 1.85 m	17000 kg	16000 kg	14500 kg
Tridem Axle at the rear of the first semi-trailer:			
Axle Spread 2.4 m to less than 3.0 m	21000 kg	21000 kg	20000 kg
Axle Spread 3.0 m to less than 3.1 m	23000 kg ³	23000 kg	20000 kg
Tridem Axle			
Axle Spread 2.4 m to less than 3.0 m	21000 kg	21000 kg	20000 kg
Axle Spread 3.0 m to less than 3.6 m	23000 kg	23000 kg	20000 kg
Axle Spread 3.6 m to 3.7 m	24000 kg	23000 kg	20000 kg
Maximum Gross Vehicle Weight Limits (Combination)			
7 Axles	55400 kg	53400 kg	47630 kg
8 Axles	62500 kg ³	56500 kg	47630 kg
More than 8 Axles	62500 kg ³	56500 kg	47630 kg

¹Overall length on a B-train includes any auxiliary device designed to reduce the impact of wildlife collisions.

²Semi trailers manufactured prior to July 1, 1988 that have not had their axle units totally replaced may have a track width of less than 2.5 m. Refer to Sections 9(4) and 9(5) of *M.R. 575/88* for track width on semi trailers, pony trailers and full trailers equipped with wide-base single tires.

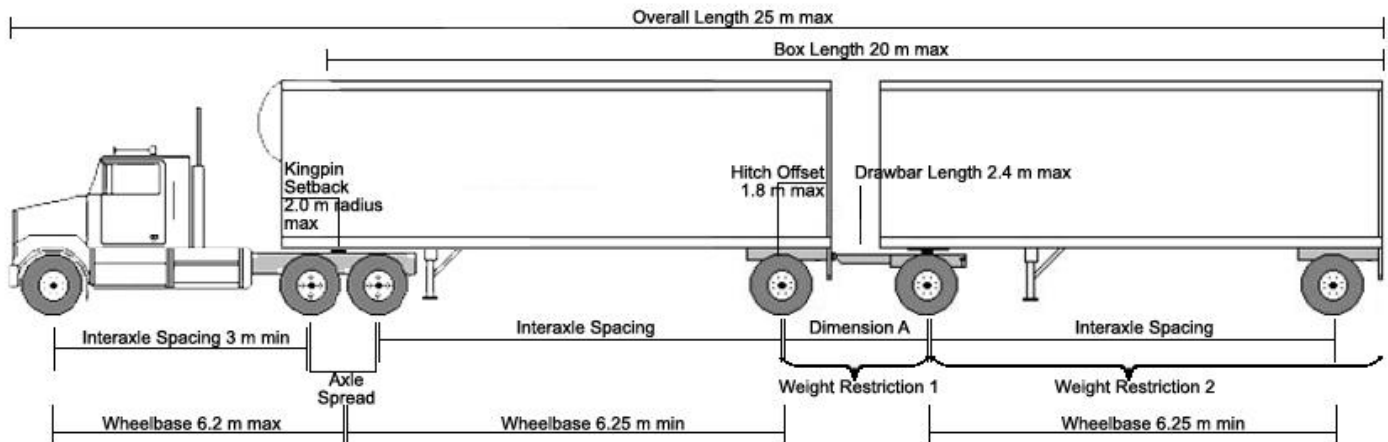
³Semi trailers equipped with two single axle units with an interaxle spacing of 1.86 m to 3.70 m inclusive cannot exceed the maximum allowable gross axle weight for a single axle unit.

⁴On routes with a designated maximum GVW of 63500 kg, the B-train converter tridem axle unit with an axle spacing of 3.0 to 3.1 m is allowed 24000 kg.

⁵Minimum 27% of drive axle weight at all times - maximum 7300 kg.

⁶All three axles in tridem group must drive (no pusher, tag or lift axles allowed). Drive axle locking devices must be unlocked while operating on a highway.

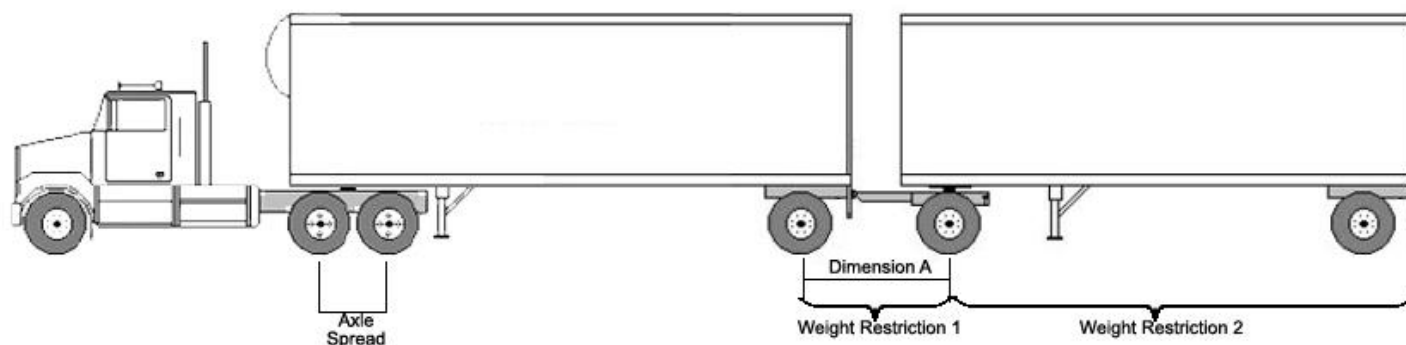
C-TRAIN



DIMENSION	LIMIT
Overall Length	Maximum 25.0m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Maximum 20.0 m
Tractor	
Wheelbase – single or tandem drive	Maximum 6.2 m
Wheelbase – tridem drive	Minimum 6.6 m/Maximum 6.8 m
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Lead Semi Trailer	
Wheelbase	Minimum 6.25 m
Kingpin Setback	Maximum 2.0 m radius
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Hitch Offset	Maximum 1.8 m
Track Width ¹	Minimum 2.5 m/Maximum 2.6 m
Rear Effective Overhang	Maximum 35% of trailer wheelbase
Second Semi Trailer or Full Trailer	
Wheelbase	Minimum 6.25 m
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Track Width ¹	Minimum 2.5 m/Maximum 2.6 m
Drawbar Length	Maximum 2.4 m

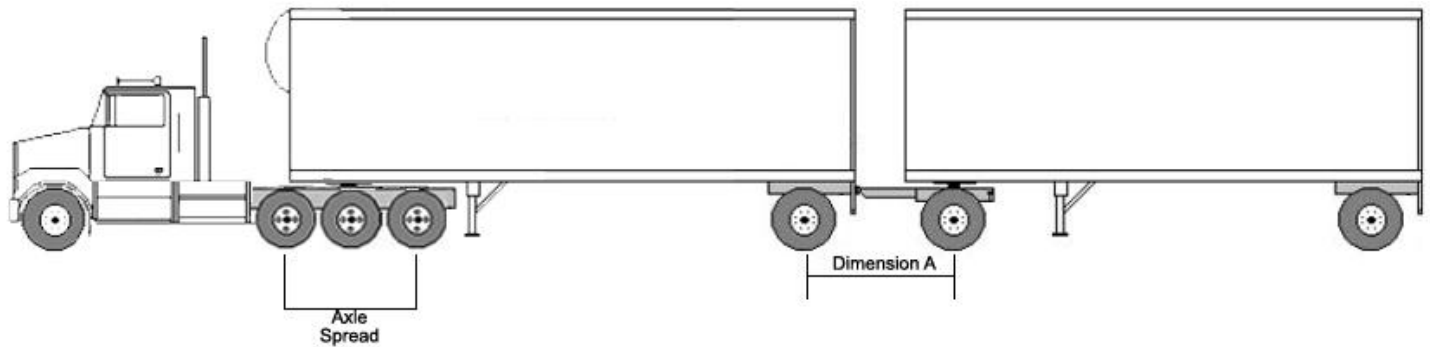
Interaxle Spacings	
Steering Axle to Drive Axle	Minimum 3.0 m
Single Axle to Single or Tandem Axle ²	Minimum 3.0 m
Single Axle to Tridem Axle ²	Minimum 3.0 m
Tandem Axle to Tandem Axle	Minimum 5.0 m
Tandem Axle to Tridem Axle	Minimum 5.5 m
Tridem Axle to Tridem Axle	Minimum 6.0 m
Dimension "A" (from the centre of last axle on the lead Semi Trailer to centre of the first axle on the converter dolly or	Not controlled

C-train with Tandem Drive Axle (continued)



MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Tractor			
Steering Axle	6000 kg	6000 kg	6000 kg
Single Axle	9100 kg	9100 kg	8200 kg
Tandem Axle			
Axle Spread 1.0 m - 1.85 m	17000 kg	16000 kg	14500 kg
Semi Trailer			
Single Axle ³	9100 kg	9100 kg	8200 kg
Tandem Axle			
Axle Spread 1.0 m - 1.85 m	17000 kg	16000 kg	14500 kg
Tridem Axle			
Axle Spread 2.4 m – less than 3.0 m	21000 kg	21000 kg	20000 kg
Axle Spread 3.0 m – less than 3.6 m	23000 kg	23000 kg	20000 kg
Axle Spread 3.6 m – 3.7 m	24000 kg	23000 kg	20000 kg
Sum of Lead Trailer & C-Dolly	23000 kg	23000 kg	22700 kg
Maximum Gross Vehicle Weight Limits (Combination)⁴			
5 Axles	42400 kg	42400 kg	38800 kg
6 Axles	50300 kg	49300 kg	45100 kg
7 Axles	53500 kg	53500 kg	47630 kg
8 Axles	53500 kg	53500 kg	47630 kg
Weight Restriction 1: Sum of axle weights of lead semi trailer plus weight of converter dolly axle	If Dimension "A" is less than 3 metres, the weight of the axle(s) on the lead semi trailer plus the weight of the converter dolly axle(s) is limited to a maximum of 17000 kg for a two axle group or a maximum of 23000 kg for a three axle group.		
Weight Restriction 2: Sum of axle weights of full trailer or second semi trailer	The weight of the second trailer must not exceed the weight of the drive axle(s) plus the weight of the axle(s) on the first semi trailer.		

C-train with Tridem Drive Axle (continued)



MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Tractor:			
Steering Axle⁵	7300 kg	7300 kg	7300 kg
Tridem Drive Axle (tractor)⁶			
Drive Axle Spread 2.4 m to less than 2.7 m	21000 kg	21000 kg	20000 kg
Drive Axle Spread 2.7 m - 2.8 m	22000 kg	21000 kg	20000 kg
Semi Trailer			
Single Axle (dual tires)	9100 kg	9100 kg	8200 kg
Tandem Axle:			
Axle Spread 1.0 m - 1.85 m	17000 kg	16000 kg	14500 kg
Tridem Axle:			
Axle Spread 2.4 m to less than 3.0 m	21000 kg	21000 kg	20000 kg
Axle Spread 3.0 m to less than 3.6 m	23000 kg	23000 kg	20000 kg
Axle Spread 3.6 m to 3.7 m	24000 kg	23000 kg	20000 kg
Maximum Gross Vehicle Weight Limits (Combination)			
7 Axles	53500 kg	53500 kg	47630 kg
8 Axles	53500 kg	53500 kg	47630 kg

¹Semi trailers manufactured prior to July 1, 1988 that have not had their axle units totally replaced may have a track width of less than 2.5 m. Refer to Sections 9(4) and 9(5) of *M.R. 575/88* for track width on semi trailers, pony trailers and full trailers equipped with wide-base single tires.

²This minimum applies to the interaxle spacing between the axle unit on a semi trailer and the adjacent axle unit on a trailer converter dolly. Spacing less than 3.0 m can be allowed, provided: the sum of the weights on a single axle semi trailer and converter dolly does not exceed the maximum allowable gross axle weight of a tandem axle unit; the sum of the weights of a tandem axle semi trailer and converter dolly does not exceed the maximum allowable gross axle weight of a tridem axle unit with an axle spread of 3.0 m to less than 3.6 m.

³Semi trailers equipped with two single axle units with an interaxle spacing of 1.86 m to 3.70 m inclusive cannot exceed the maximum allowable gross axle weight for a single axle unit. The use of a trailer converter dolly equipped with a tandem or tridem axle is not permitted.

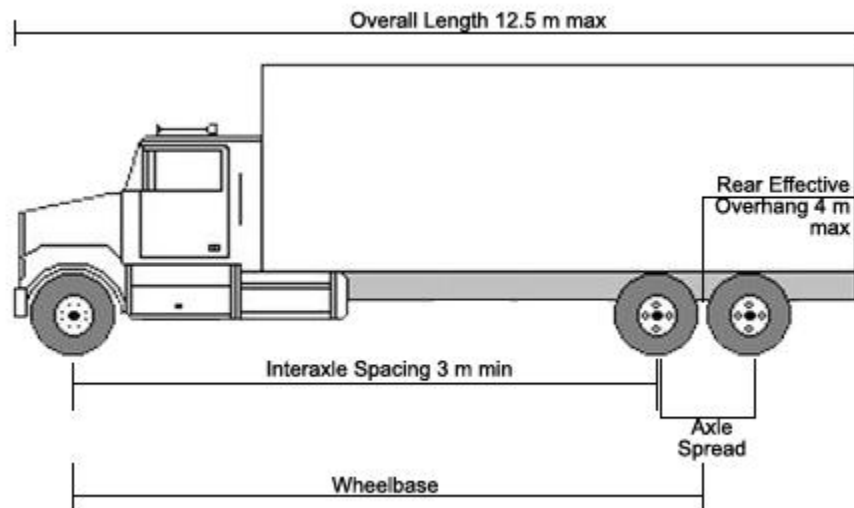
⁴C-Trains with trailer equipment manufactured prior to July 1, 1988 are allowed a maximum allowable gross vehicle weight of 56,500 kg. The gross vehicle weight shall not exceed 60,500 kg on an RTAC Route where a C-

train with a C-dolly: satisfies testing requirements determined by the National Research Council (Canada); displays, in a conspicuous place on both sides of the C-dolly, a label from the manufacturer certifying satisfaction of those requirements.

⁵Minimum 27% of drive axle weight at all times - maximum 7300 kg.

⁶All three axles in tridem group must drive (no pusher, tag or lift axles allowed). Drive axle locking devices must be unlocked while operating on a highway.

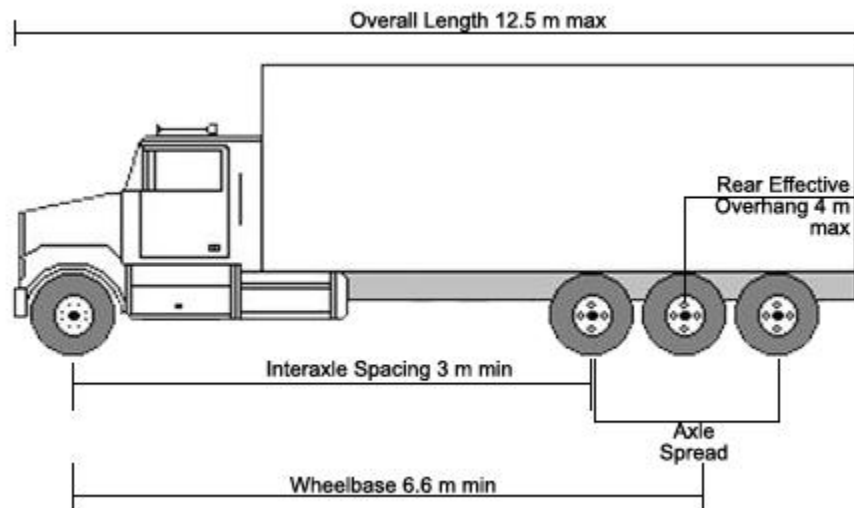
STRAIGHT TRUCK



DIMENSION	LIMIT
Overall Length	Maximum 12.5 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Not Controlled
Wheelbase	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Rear Effective Overhang	Maximum 4.0 m
Interaxle Spacings	
Steering Axle to Drive Axle	Minimum 3.0 m

MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Steering Axle	7300 kg	7300 kg	7300 kg
Single Axle (dual tires)	9100 kg	9100 kg	8200 kg
Tandem Axle:			
Axle Spread 1.0 m - 1.85 m	17000 kg	16000 kg	14500 kg
Maximum Gross Vehicle Weight Limits (Combination)			
2 Axles	16400 kg	16400 kg	15500 kg
3 Axles	24300 kg	23300 kg	21800 kg

TRIDEM DRIVE STRAIGHT TRUCK



DIMENSION	LIMIT
Overall Length	Maximum 12.5 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Not controlled
Wheelbase	Minimum 6.6 m
Tridem Drive Axle Spread ¹	Minimum 2.4 m/Maximum 2.8 m
Tridem Drive Axle Track Width	Minimum 2.5 m/Maximum 2.6 m
Rear Effective Overhang	Maximum 4.0 m
Interaxle Spacings	
Steering Axle to Drive Axle	Minimum 3.0 m

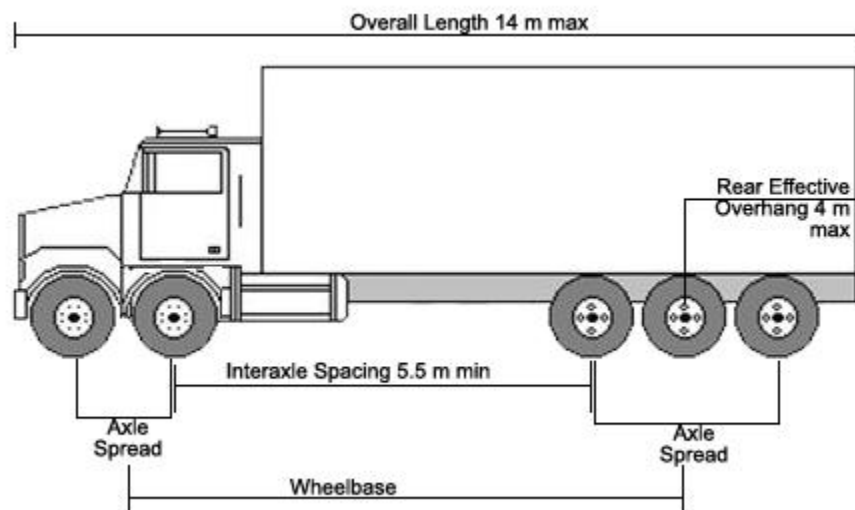
MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Steering Axle²	7300 kg	7300 kg	7300 kg
Tridem Drive Axle			
Axle Spread 2.4 m to less than 2.7 m	21000 kg	21000 kg	20000 kg
Axle Spread 2.7 m to 2.8 m	22000 kg	21000 kg	20000 kg
Maximum Gross Vehicle Weight Limits (Combination)			
4 Axles	29300 kg	28300 kg	27300 kg

¹All three axles in tridem group must drive (no pusher, tag or lift axles allowed). Drive axle locking devices must be unlocked while operating on a highway.

²Minimum 27% of drive axle weight at all times - maximum 7300 kg.

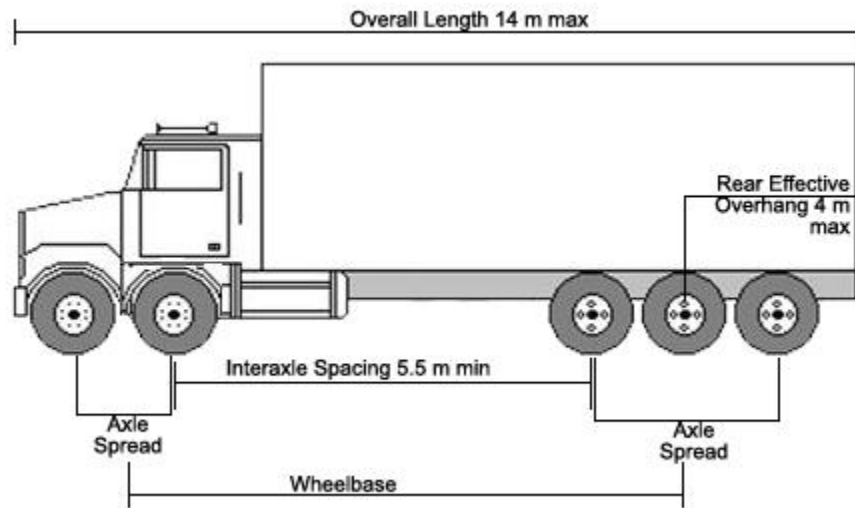
Note: Tridem drive straight trucks cannot tow trailers.

TANDEM STEER/TRIDEM DRIVE STRAIGHT TRUCK



DIMENSION	LIMIT
Overall Length	Maximum 14 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Not controlled
Wheelbase	
Axle Spread 2.4 m to less than 2.7 m	Minimum 7.7 m
Axle Spread 2.7 m to less than 3.0 m	Minimum 7.8 m
Axle Spread 3.0 m to 3.1 m	Minimum 7.9 m
Tandem Steering Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Tridem Drive Axle Track Width	Minimum 2.5 m/Maximum 2.6 m
Rear Effective Overhang	Maximum 4.0 m
Interaxle Spacings	
Tandem Steering Axle to Tridem Drive Axle	Minimum 5.5 m

Tandem Steer/Tridem Drive Straight Truck (continued)



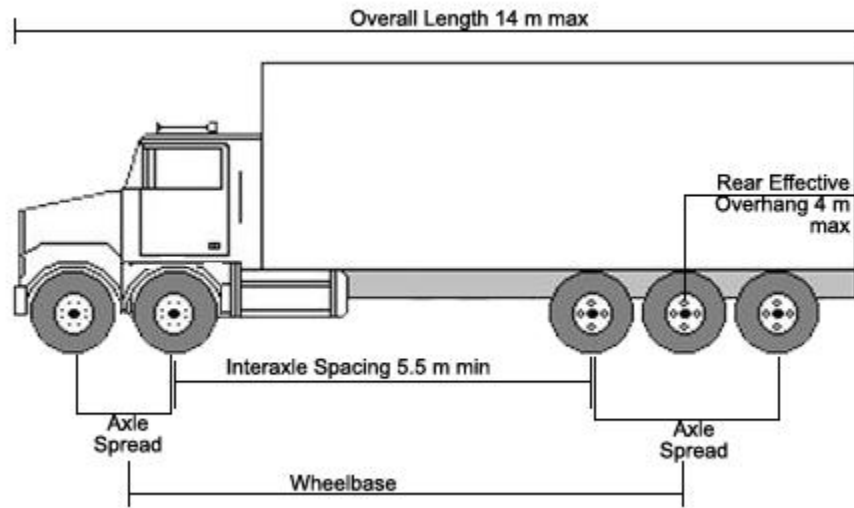
MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Steering Axle² Axle Spread 1.0 m - 1.85 m	13600 kg	13600 kg	11000 kg
Tridem Drive Axle¹			
Axle Spread 2.4 m to less than 2.7 m	21000 kg	21000 kg	20000 kg
Axle Spread 2.7 m to less than 3.0 m	22000 kg	21000 kg	20000 kg
Axle Spread 3.0 m to 3.1 m	22000 kg	21000 kg	20000 kg
Maximum Gross Vehicle Weight Limits (Combination)			
5 Axles	35600 kg	34600 kg	31000 kg

¹All three axles in tridem group must drive (no pusher, tag or lift axles allowed). Drive axle locking devices must be unlocked while operating on a highway.

²Must be a minimum of 40% of the drive axle weight at all times; cannot exceed the maximum allowed weight.

Note: Tridem drive straight trucks cannot tow trailers.

TANDEM STEER/TANDEM DRIVE STRAIGHT TRUCK



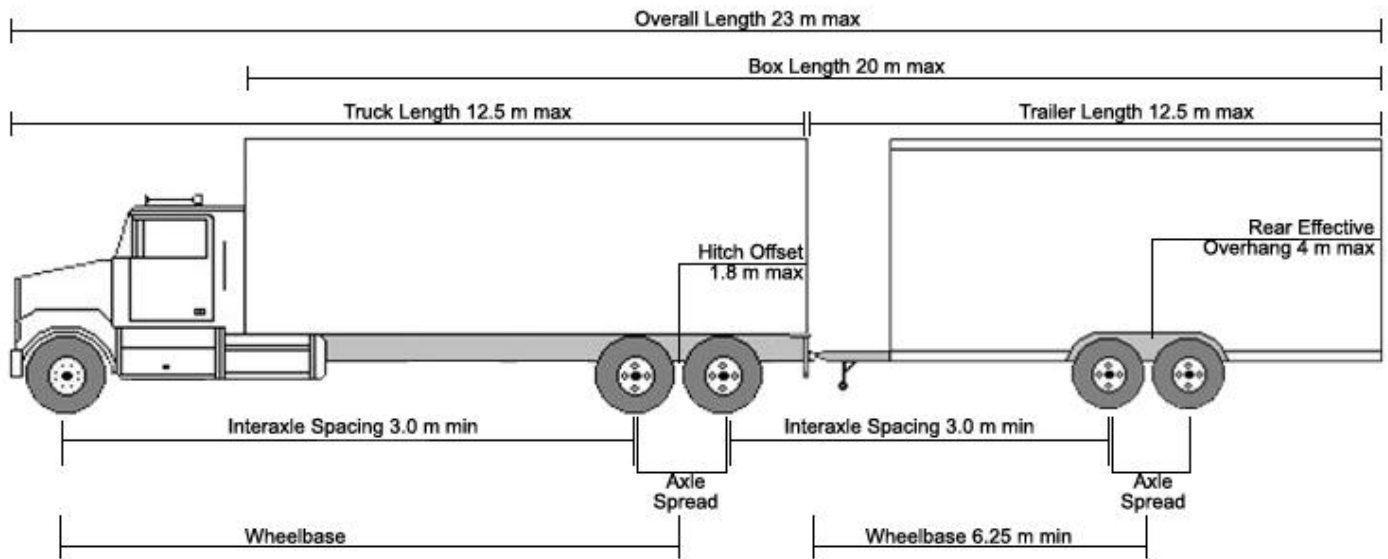
DIMENSION	LIMIT
Overall Length	Maximum 12.5 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Not controlled
Wheelbase	Not controlled
Tandem Steering Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Tandem Drive Axle Spread ¹	Minimum 1.0 m/Maximum 1.85 m
Tandem Drive Axle Track Width	Not controlled
Rear Effective Overhang	Maximum 4.0 m
Interaxle Spacings	
Tandem Axle to Tandem Axle	Minimum 5.0 m

MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Steering Axle			
Axle Spread 1.0 m - 1.85 m	13600 kg	13600 kg	11000 kg
Tandem Drive Axle:			
Axle Spread 1.0 m - 1.85 m	17000 kg	16000 kg	14500 kg
Maximum Gross Vehicle Weight Limits (Combination)			
4 Axles	30600 kg	29600 kg	25500 kg

¹Both axles in tandem group must drive (no pusher, tag or lift axles allowed).

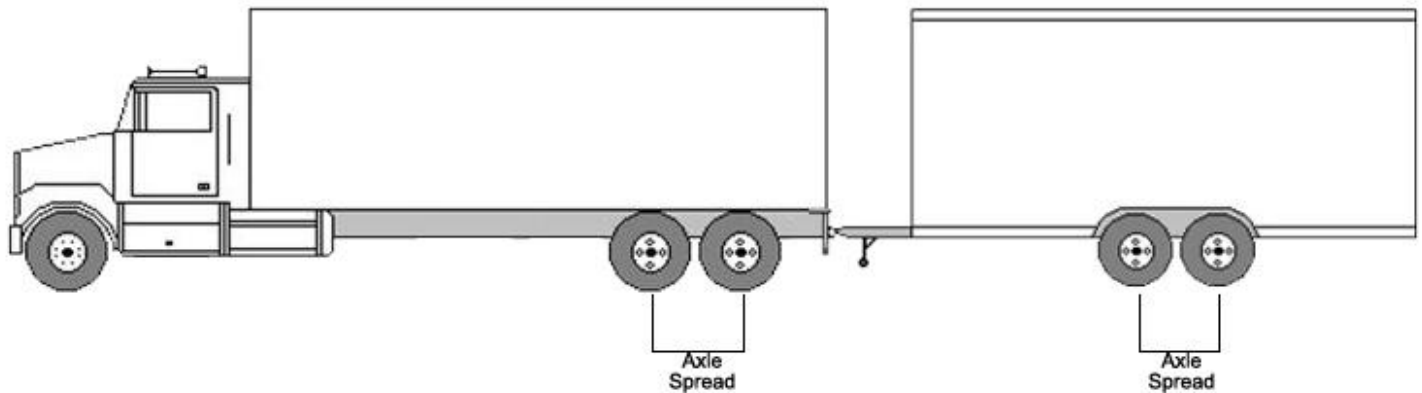
Note: Tandem steer tandem drive straight trucks cannot tow trailers.

STRAIGHT TRUCK AND PONY TRAILER



DIMENSION	LIMIT
Overall Length	Maximum 23.0 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Maximum 20.0 m
Truck	
Length	Maximum 12.5 m
Wheelbase	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Rear Effective Overhang	Maximum 4.0 m
Hitch Offset	Maximum 1.8 m
Pony Trailer¹	
Length	Maximum 12.5 m
Wheelbase	Minimum 6.25 m
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Tridem Axle Spread	Minimum 2.4 m/Maximum 2.5 m
Track Width ²	Minimum 2.5 m/Maximum 2.6 m
Rear Effective Overhang	Maximum 4.0 m
Interaxle Spacings	
Steering Axle to Drive Axle	Minimum 3.0 m
Single Axle to Single, Tandem or Tridem Axle ³	Minimum 3.0 m

Straight Truck and Pony Trailer (continued)



MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Steering Axle	7300 kg	7300 kg	7300 kg
Single Axle (dual tires)	9100 kg	9100 kg	8200 kg
Tandem Axle			
Axle Spread 1.0 m - 1.85 m	17000 kg	16000 kg	14500 kg
Tridem Axle (trailer):			
Axle Spread 2.4 m - 2.5 m ⁴	21000 kg	21000 kg	20000 kg
Maximum Gross Vehicle Weight Limits (Combination)			
3 Axles	25500 kg	25500 kg	23700 kg
4 Axles	33400 kg	32400 kg	30000 kg
5 Axles	41300 kg	39300 kg	36300 kg
6 Axles	45300 kg	44300 kg	41800 kg

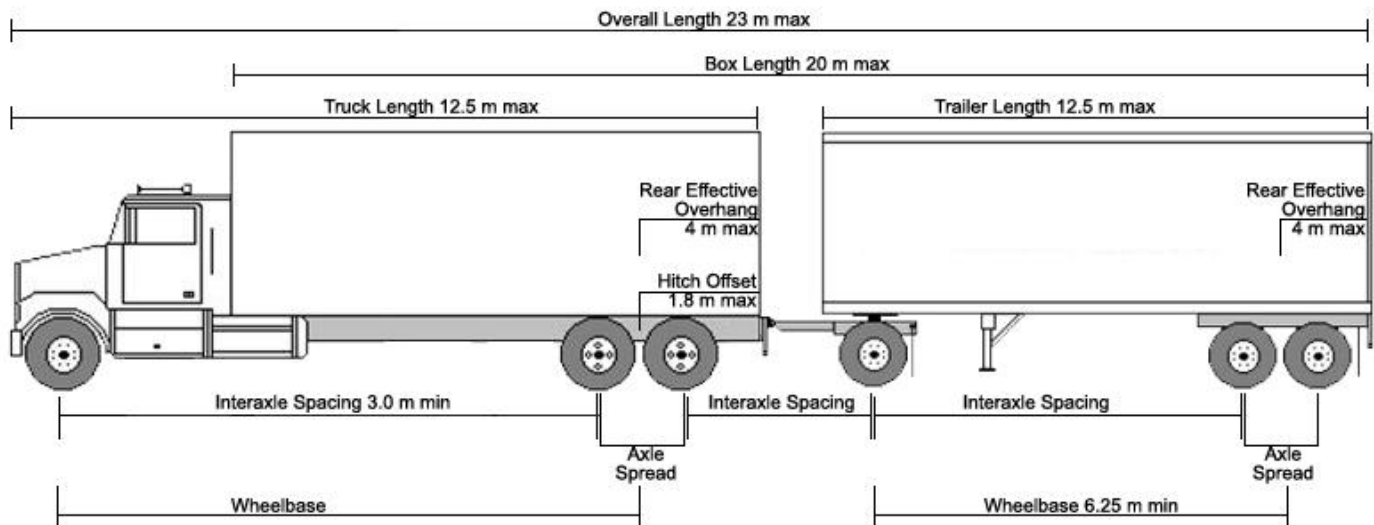
¹Limits not applicable to pony trailers with Gross Vehicle Weight Rating of less than 10000 kg.

²Refer to Sections 9(4) and 9(5) of *M.R. 575/88* for track width on semi trailers, pony trailers and full trailers equipped with wide-base single tires.

³This minimum applies to the interaxle spacing between adjacent axle units of a truck in combination with a pony trailer.

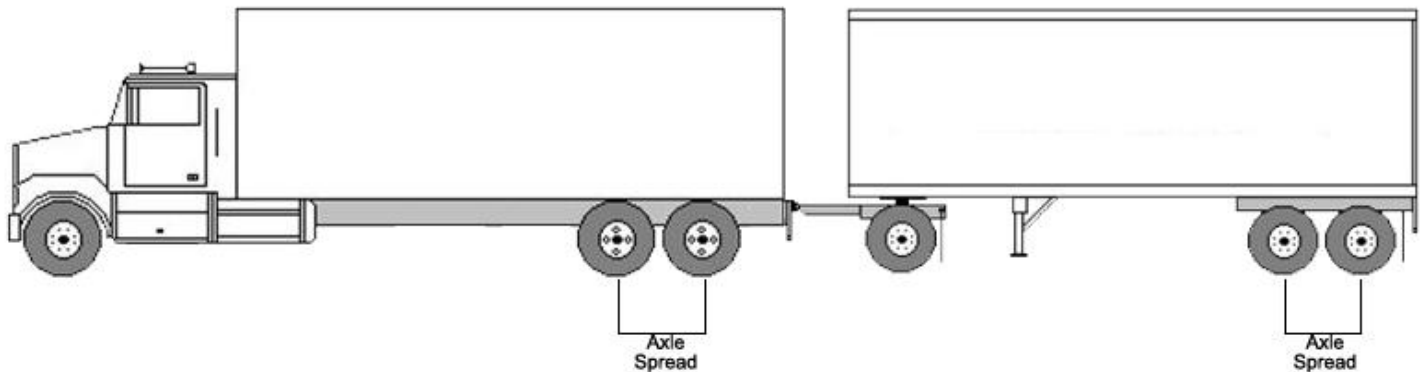
⁴The maximum spread permitted for a tridem axle group on a pony trailer is 2.5 m.

STRAIGHT TRUCK AND FULL TRAILER



DIMENSION	LIMIT
Overall Length	Maximum 23.0 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Maximum 20.0 m
Truck	
Length	Maximum 12.5 m
Wheelbase	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Rear Effective Overhang	Maximum 4.0 m
Hitch Offset	Maximum 1.8 m
Full Trailer	
Length	Maximum 12.5 m
Wheelbase	Minimum 6.25 m
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Tridem Axle Spread	Minimum 2.4 m/Maximum 3.7 m
Track Width ¹	Minimum 2.5 m/Maximum 2.6 m
Converter Dolly	The use of a double drawbar or C Dolly is not permitted on this combination. The use of a trailer converter dolly equipped with a tridem axle unit is not permitted.
Interaxle Spacing	
Steering Axle to Drive Axle	Minimum 3.0 m
Tandem Axle to Tandem Axle	Minimum 5.0 m
Tandem Axle to Tridem Axle	Minimum 5.5 m

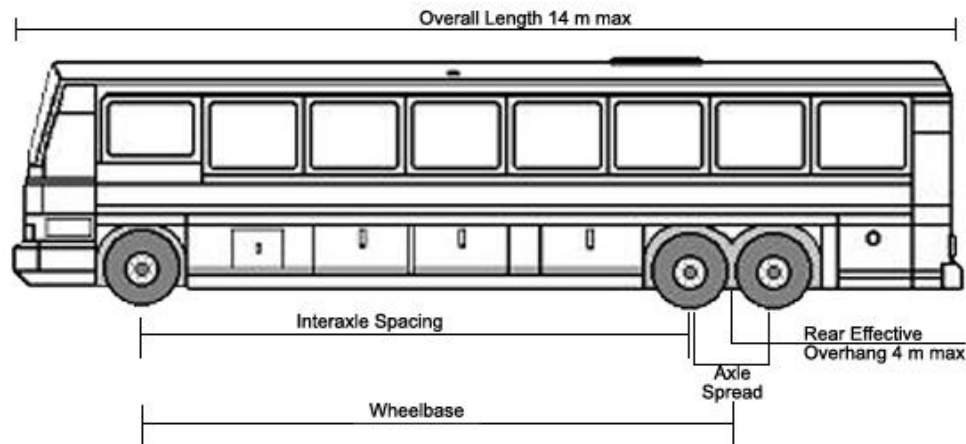
Straight Truck and Full Trailer (continued)



MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Single Steering Axle	7300 kg	7300 kg	7300 kg
Tandem Steering Axle	13600 kg	13600 kg	11000 kg
Single Axle (dual tires)	9100 kg	9100 kg	8200 kg
Tandem Axle (dual tires)			
Axle Spread 1.0 m - 1.85 m	17000 kg	16000 kg	14500 kg
Sum of Axle Weights of Full Trailer			
2 axle full trailer	17000 kg	17000 kg	16400 kg
3 axle full trailer	24000 kg	24000 kg	22700 kg
4 or more axle full trailer	31000 kg	31000 kg	29000 kg
Maximum Gross Vehicle Weight Limits (Combination)			
4 Axles (2 axle full trailer)	33400 kg	33400 kg	31900 kg
5 Axles (3 axle full trailer)	40400 kg	40400 kg	38200 kg
5 Axles (2 axle full trailer)	41300 kg	40300 kg	38200 kg
6 Axles (4 axle full trailer)	47400 kg	47400 kg	44500 kg
6 Axles (tandem steer, 2 axle full trailer)	47600 kg	46600 kg	41900 kg
6 Axles (3 axle full trailer)	48300 kg	47300 kg	44500 kg
7 Axles (tandem steer, 3 axle full trailer)	54600 kg	53600 kg	47630 kg
7 Axles (4 axle full trailer)	55300 kg	54300 kg	47630 kg
8 Axles (5 axle full trailer)	55300 kg	54300 kg	47630 kg
8 Axles (tandem steer, 4 axle full trailer)	61600 kg	56500 kg	47630 kg
9 Axles (tandem steer, 4 or more axle full trailer)	61600 kg	56500 kg	47630 kg

¹Semi trailers manufactured prior to July 1, 1988 that have not had their axle units totally replaced may have a track width of less than 2.5 m. Refer to Sections 9(4) and 9(5) of *M.R. 575/88* for track width on semi trailers, pony trailers and full trailers equipped with wide-base single tires.

INTERCITY BUS AND RECREATIONAL VEHICLES



DIMENSION	LIMIT
Overall Length	Maximum 14.0 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Wheelbase	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Rear Effective Overhang	Maximum 4.0 m
Axle Requirements	
Overall length 12.5 m or less	Not controlled
Overall length greater than 12.5 m	Minimum 3 axles

MAXIMUM WEIGHT	LIMIT
Axle Weights	
Steering Axle	Maximum 7300 kg
Single Axle (dual tires)¹	Maximum 9100 kg
Single Axle (single tires)¹	Maximum 6000 kg
Tandem Axle¹	Maximum 17000 kg
Maximum Gross Vehicle Weight Limits (Combination)	
Two axles	Maximum 16400 kg
Three axles (8 tires)	Maximum 22400 kg
Three axles (10 tires)	Maximum 24300 kg

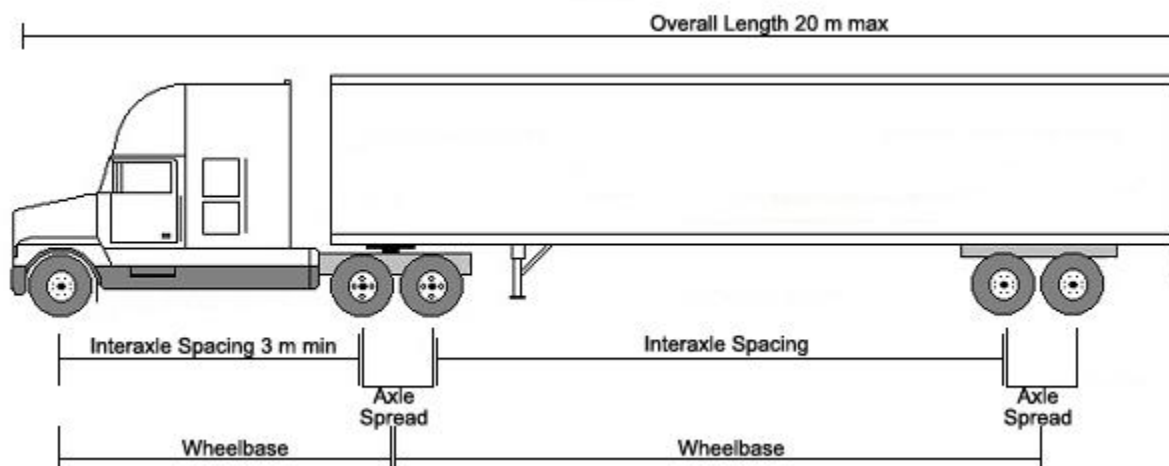
¹When there is more than one axle at the rear of the bus, the load carried by the group must be distributed between axles in a ratio corresponding to the number of tires on each

NON-RTAC CONFIGURATIONS

Non-RTAC refers to all commercial vehicles that do not conform to the national standard designated by the Road Transportation Association of Canada.

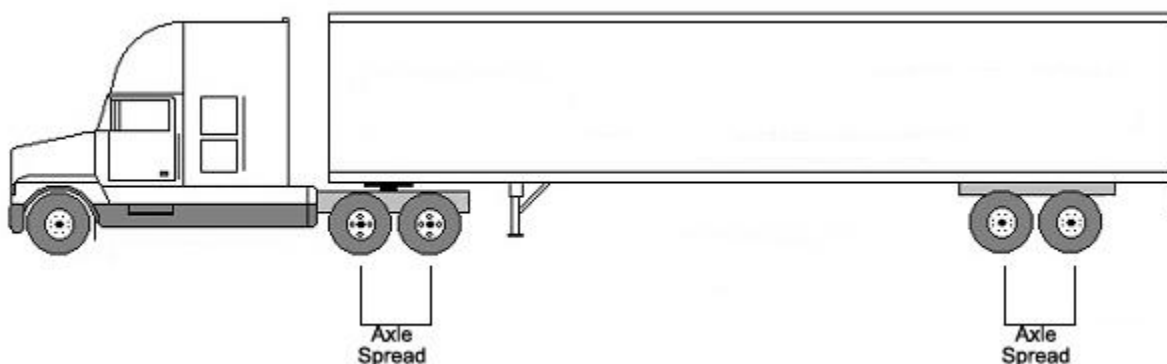
In the event of any discrepancy between this Weights and Dimensions Guide and the *Highway Traffic Act (HTA)* or the *Vehicle Weights and Dimensions on Classes of Highways Regulation (MR 575/88)*, the HTA and MR 575/88 will take precedence.

NON-RTAC SINGLE STEER TRUCK TRACTOR/TRAILER COMBINATION



DIMENSION	LIMIT
Overall Length	Maximum 20.0 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Tractor	
Wheelbase	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Semi Trailer	
Length	Not controlled
Wheelbase	Not controlled
Kingpin Setback	Not controlled
Rear Effective Overhang	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Track Width	Not controlled
Interaxle Spacing¹	
Steering Axle to Drive Axle	Minimum 3.0 m
Single Axle to Single Axle	Minimum 3.5 m
Single Axle to Axle Group	Minimum 3.5 m
Axle Group to Axle Group	Minimum 5.0 m

Non-RTAC SINGLE STEER TRUCK TRACTOR/TRAILER COMBINATION (continued)

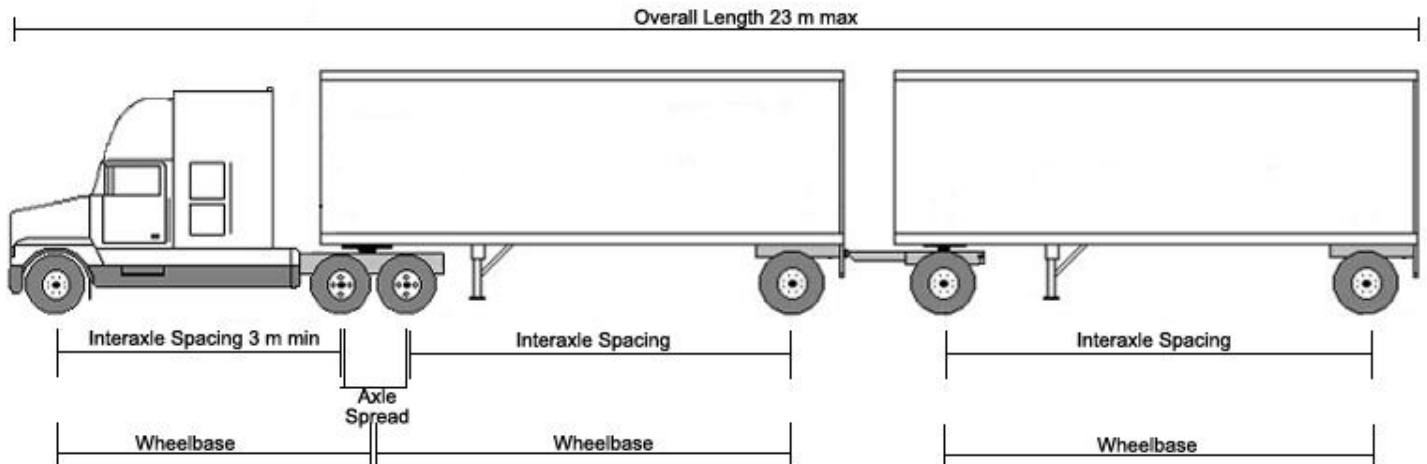


MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Tractor			
Steering Axle	6000 kg	6000 kg	6000 kg
Tandem Axle	16000 kg	16000 kg	14500 kg
Semi Trailer			
Single Axle (dual tires) ²	9100 kg	9100 kg	8200 kg
Axle Group	16000 kg	16000 kg	14500 kg
Maximum Gross Vehicle Weight Limits (Combination)			
3 Axles	24200 kg	24200 kg	22400 kg
4 Axles	31100 kg	31100 kg	28700 kg
5 Axles	38000 kg	38000 kg	35000 kg
6 axle with tridem semi trailer	38000 kg	38000 kg	35000 kg

¹A truck tractor, in combination with an end dump bulk semi-trailer which was manufactured prior to April 1, 1982, does not exceed the maximum prescribed GVW for that type of vehicle on that class of highway, it will be deemed as meeting the minimum interaxle spacings. The down-loading factor calculation shall not apply.

² Semi trailers equipped with two single axle units with an interaxle spacing of 1.86 m to 3.70 m inclusive cannot exceed the maximum allowable gross axle weight for a single axle unit.

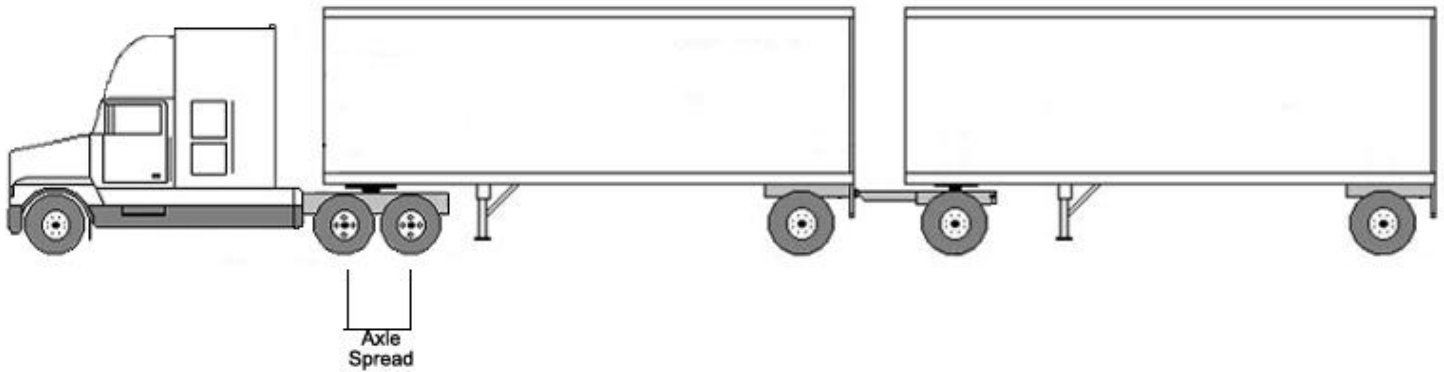
NON-RTAC A-TRAIN



DIMENSION	LIMIT
Overall Length	Maximum 23 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Not controlled
Tractor	
Wheelbase	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Interaxle Spacing	Minimum 3.0 m
Lead Semi Trailer¹	
Wheelbase	Not controlled
Kingpin Setback	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Hitch Offset	Not controlled
Track Width	Not controlled
Rear Effective Overhang	Not controlled
Second Semi Trailer or Full Trailer	
Wheelbase	Not controlled
Drawbar Length	Maximum 4.0 m
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Track Width	Not controlled

Interaxle Spacings	
Steering Axle to Drive Axle	Minimum 3.0 m
Single Axle to Single Axle	Minimum 3.5 m
Single Axle to Axle Group	Minimum 3.5 m
Axle Group to Axle Group	Minimum 5.0 m
If the interaxle spacing is less than the minimum requirement, the maximum combined axle group weight is reduced by 330 kg for each 0.1 m loss of interaxle spacing.	

Non-RTAC A-train (continued)



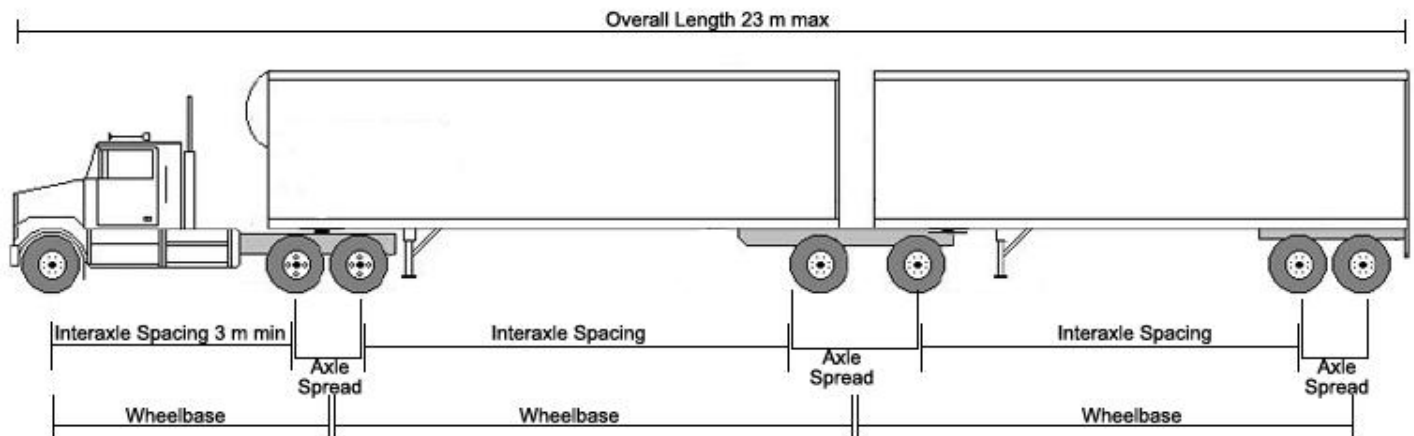
MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Tractor			
Steering Axle	6000 kg	6000 kg	6000 kg
Tandem Axle:			
Axle Spread 1.0 m - 1.85 m	16000 kg	16000 kg	14500 kg
Semi Trailer			
Single Axle (dual tires)	9100 kg	9100 kg	8200 kg
Axle Group	16000 kg	16000 kg	14500 kg
Maximum Gross Vehicle Weight Limits (Combination)			
5 Axles	42400 kg	42400 kg	38800 kg
6 Axles	49300 kg	49300 kg	45100 kg
7 Axles	53500 kg	53500 kg	47630 kg
8 Axles	53500 kg	53500 kg	47630 kg
If the interaxle spacing is less than the minimum requirement, the maximum combined axle group weight is reduced by 330 kg for each 0.1 m loss of interaxle spacing.			

¹ Semi trailers equipped with two single axle units with an interaxle spacing of 1.86 m to 3.70 m inclusive cannot exceed the maximum allowable gross axle weight for a single axle unit.

NOTES: A-trains with trailer equipment manufactured prior to April 1, 1982 that do not meet the minimum interaxle spacing and are operated on an RTAC route or Class A1 highway are permitted a maximum GVW of 50,000 kg and when operated on a Class B1 highway are permitted a maximum GVW of 47,630 kg. The downloading factor calculation shall not apply.

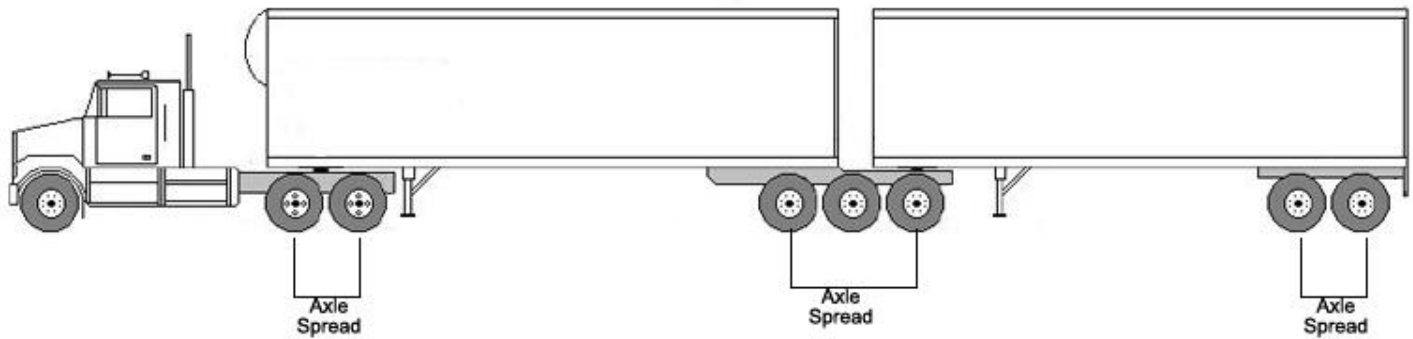
A-trains with trailer equipment manufactured on or after July 1, 1988 and are operated on an RTAC route or Class A1 highway are permitted a maximum GVW of 53,500 kg.

NON-RTAC B-TRAIN



DIMENSION	LIMIT
Overall Length	Maximum 23 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Not controlled
Tractor	
Wheelbase	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Lead Semi Trailer	
Wheelbase	Not controlled
Kingpin Setback	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Track Width	Not controlled
Fifth Wheel Position	Not controlled
Second Semi Trailer	
Wheelbase	Not controlled
Kingpin Setback	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Track Width	Not controlled
Interaxle Spacings	
Steering Axle to Drive Axle	Minimum 3.0 m
Single Axle to Single Axle	Minimum 3.5 m
Single Axle to Axle Group	Minimum 3.5 m
Axle Group to Axle Group	Minimum 5.0 m
If the interaxle spacing is less than the minimum requirement, the maximum combined axle group weight is reduced by 330 kg for each 0.1 m loss of interaxle spacing.	

Non-RTAC B-train (continued)

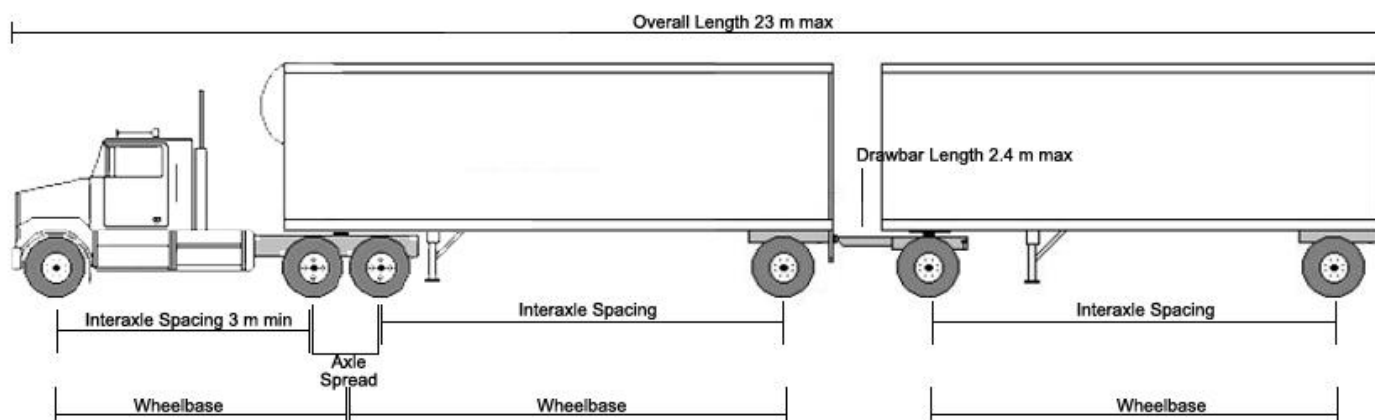


MAXIMUM WEIGHT	RTAC	A1	B1
Tractor			
Steering Axle	6000 kg	6000 kg	6000 kg
Single Axle (dual tires)	9100 kg	9100 kg	8200 kg
Tandem Axle:			
Axle Spread 1.0 m - 1.85 m	16000 kg	16000 kg	14500 kg
Semi Trailer			
Single Axle (dual tires) ¹	9100 kg	9100 kg	8200 kg
Tandem Axle			
Axle Spread 1.0 m - 1.85 m	16000 kg	16000 kg	14500 kg
Axle Group at the rear of the first semi-trailer	16000 kg	16000 kg	14500 kg
Maximum Gross Vehicle Weight Limits (Combination)			
5 Axles	40200 kg	40200 kg	36900 kg
6 Axles	47100 kg	47100 kg	43200 kg
7 or more Axles	54000 kg	54000 kg	47630 kg
If the interaxle spacing is less than the minimum requirement, the maximum combined axle group weight is reduced by 330 kg for each 0.1 m loss of interaxle spacing.			

¹ Semi trailers equipped with two single axle units with an interaxle spacing of 1.86 m to 3.70 m inclusive cannot exceed the maximum allowable gross axle weight for a single axle unit.

NOTE: B-trains with trailer equipment manufactured prior to April 1, 1982 that do not meet the minimum interaxle spacing and are operated on an RTAC route or Class A1 highway are permitted a maximum GVW of 50,000 kg and when operated on a Class B1 highway are permitted a maximum GVW of 47,630 kg. The downloading factor calculation shall not apply.

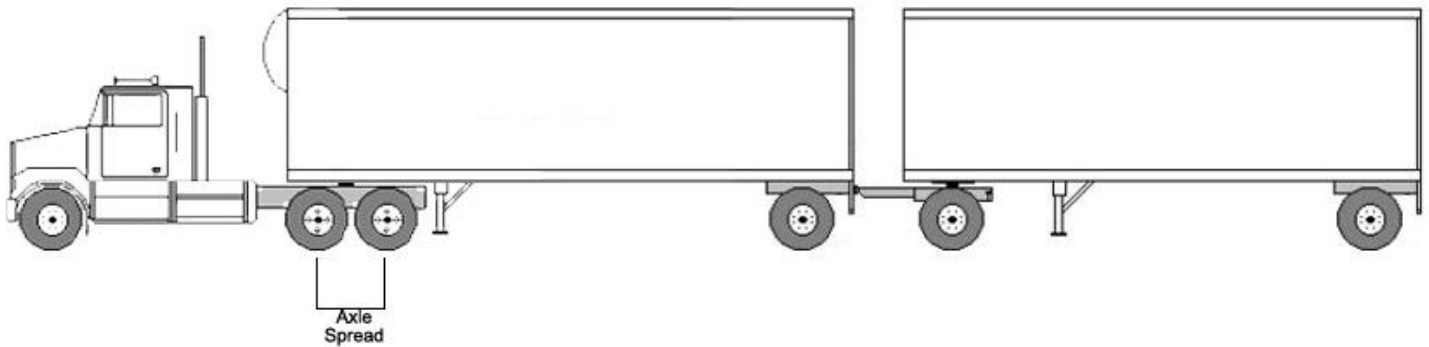
NON-RTAC C-TRAIN



DIMENSION	LIMIT
Overall Length	Maximum 23 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Not controlled
Tractor	
Wheelbase	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Lead Semi Trailer	
Wheelbase	Not controlled
Kingpin Setback	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Hitch Offset	Not controlled
Track Width	Not controlled
Rear Effective Overhang	Not controlled
Second Semi Trailer or Full Trailer	
Wheelbase	Not controlled
Drawbar Length	Maximum 4.0 m
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Track Width	Not controlled

Interaxle Spacings	
Steering Axle to Drive Axle	Minimum 3.0 m
Single Axle to Single Axle	Minimum 3.5 m
Single Axle to Axle Group	Minimum 3.5 m
Axle Group to Axle Group	Minimum 5.0 m
If the interaxle spacing is less than the minimum requirement, the maximum combined axle group weight is reduced by 330 kg for each 0.1 m loss of interaxle spacing.	

Non-RTAC C-train (continued)

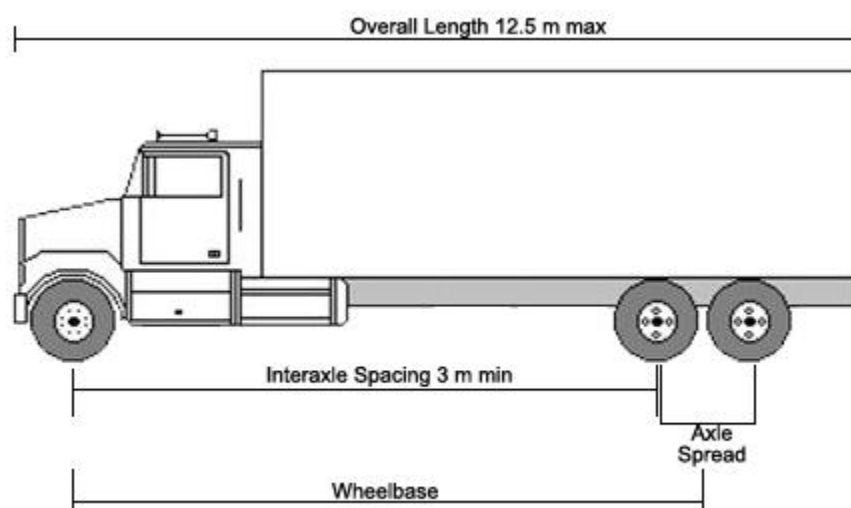


MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Tractor			
Steering Axle	6000 kg	6000 kg	6000 kg
Single Axle	9100 kg	9100 kg	8200 kg
Tandem Axle			
Axle Spread 1.0 m - 1.85 m	16000 kg	16000 kg	14500 kg
Semi Trailer			
Single Axle ¹	9100 kg	9100 kg	8200 kg
Tandem Axle			
Axle Spread 1.0 m - 1.85 m	16000 kg	16000 kg	14500 kg
Maximum Gross Vehicle Weight Limits (Combination)			
5 Axles	42400 kg	42400 kg	38800 kg
6 Axles	49300 kg	49300 kg	45100 kg
7 Axles	53500 kg	53500 kg	47630 kg
8 Axles	53500 kg	53500 kg	47630 kg
If the interaxle spacing is less than the minimum requirement, the maximum combined axle group weight is reduced by 330 kg for each 0.1 m loss of interaxle spacing.			

¹ Semi trailers equipped with two single axle units with an interaxle spacing of 1.86 m to 3.70 m inclusive cannot exceed the maximum allowable gross axle weight for a single axle unit.

NOTE: C-trains with trailer equipment manufactured prior to April 1, 1982 that do not meet the minimum interaxle spacing and are operated on an RTAC route or Class A1 highway are permitted a maximum GVW of 50,000 kg and when operated on a Class B1 highway are permitted a maximum GVW of 47,630 kg. The downloading factor calculation shall not apply.

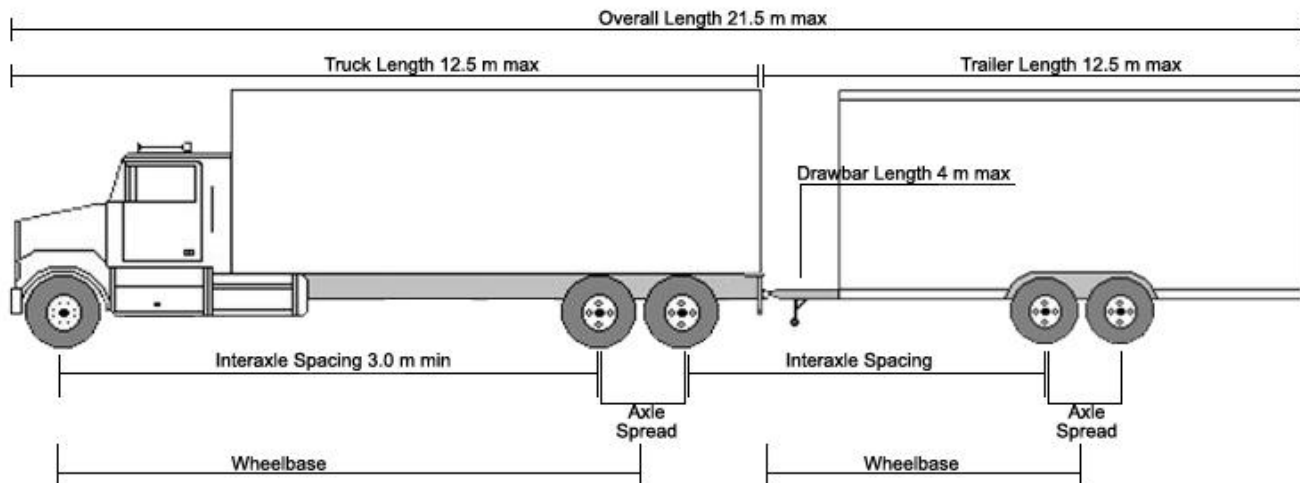
NON-RTAC STRAIGHT TRUCK



DIMENSION	LIMIT
Overall Length	Maximum 12.5 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Not Controlled
Wheelbase	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Rear Effective Overhang	Not controlled
Interaxle Spacings	
Steering Axle to Drive Axle	Minimum 3.0 m

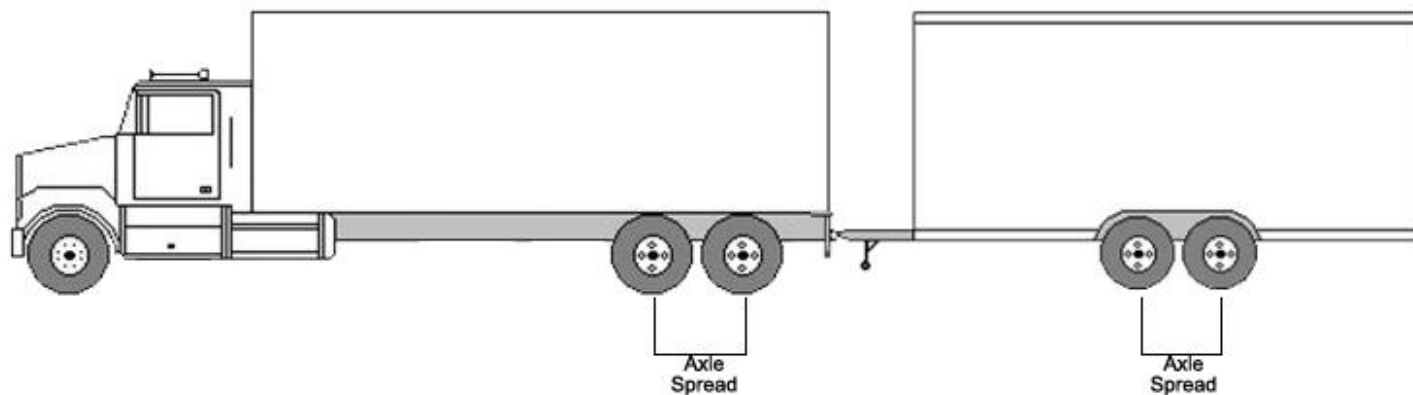
MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Steering Axle	7300 kg	7300 kg	7300 kg
Single Axle (dual tires)	9100 kg	9100 kg	8200 kg
Tandem Axle:			
Axle Spread 1.0 m - 1.85 m	16000 kg	16000 kg	14500 kg
Maximum Gross Vehicle Weight Limits (Combination)			
Two Axles	16400 kg	16400 kg	15500 kg
Three Axles	23300 kg	23300 kg	21800 kg

NON-RTAC STRAIGHT TRUCK AND PONY TRAILER



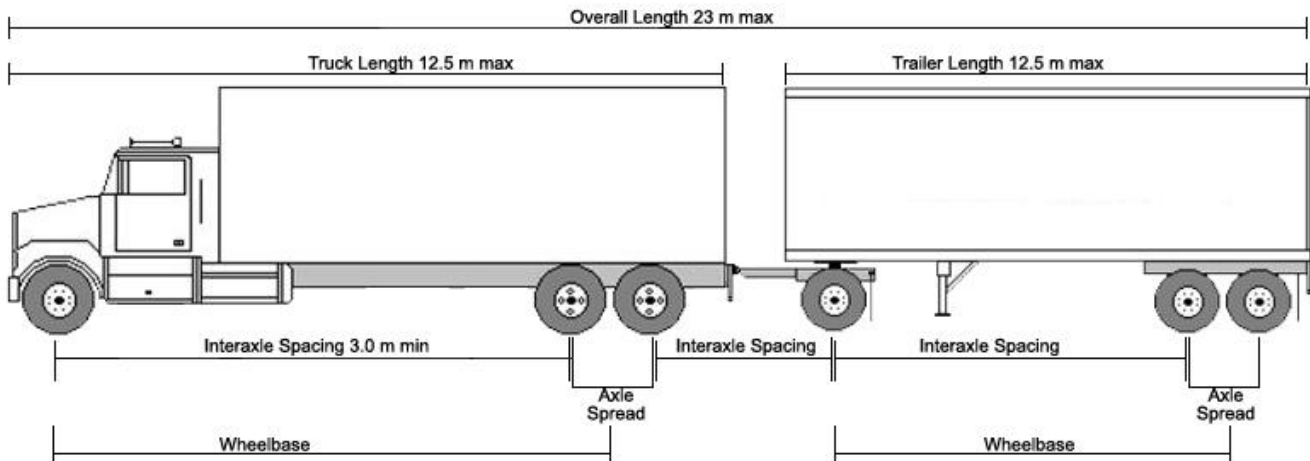
DIMENSION	LIMIT
Overall Length	Maximum 21.5 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Not controlled
Truck	
Length	Maximum 12.5 m
Wheelbase	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Rear Effective Overhang	Not controlled
Hitch Offset	Not controlled
Pony Trailer	
Length	Maximum 12.5 m
Wheelbase	Not controlled
Drawbar Length	Maximum 4.0 m
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Track Width	Not controlled
Rear Effective Overhang	Not controlled
Interaxle Spacings	
Steering Axle to Drive Axle	Minimum 3.0 m
Single Axle to Single Axle	Minimum 3.5 m
Single Axle to Axle Group	Minimum 3.5 m
Axle Group to Axle Group	Minimum 5.0 m

Non-RTAC Straight truck and Pony Trailer (continued)



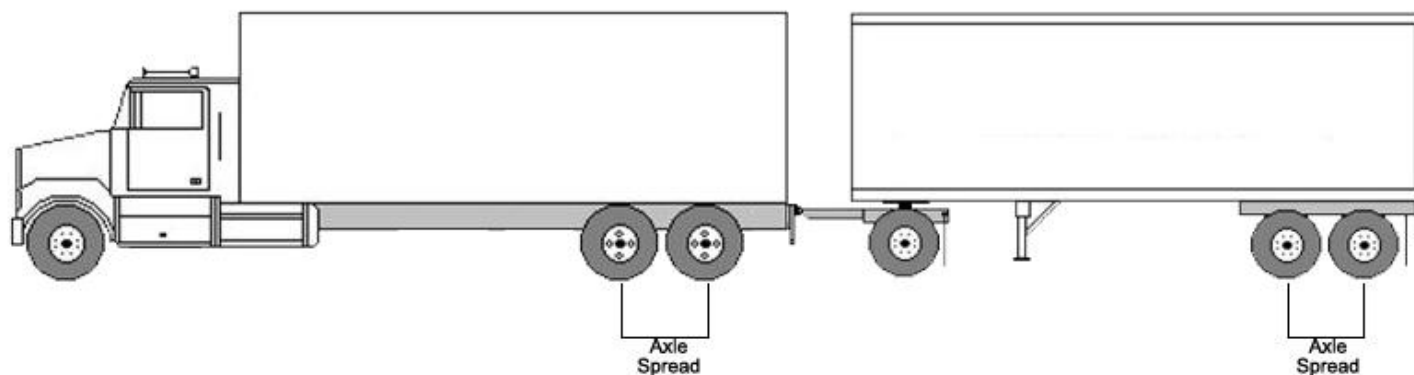
MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Steering Axle	7300 kg	7300 kg	7300 kg
Single Axle (dual tires)	9100 kg	9100 kg	8200 kg
Tandem Axle			
Axle Spread 1.0 m - 1.85 m	16000 kg	16000 kg	14500 kg
Maximum Gross Vehicle Weight Limits (Combination)			
3 Axles	25500 kg	25500 kg	23700 kg
4 Axles	32400 kg	32400 kg	30000 kg
5 Axles	39300 kg	39300 kg	36300 kg
6 Axles	39300 kg	39300 kg	36300 kg

NON-RTAC STRAIGHT TRUCK AND FULL TRAILER



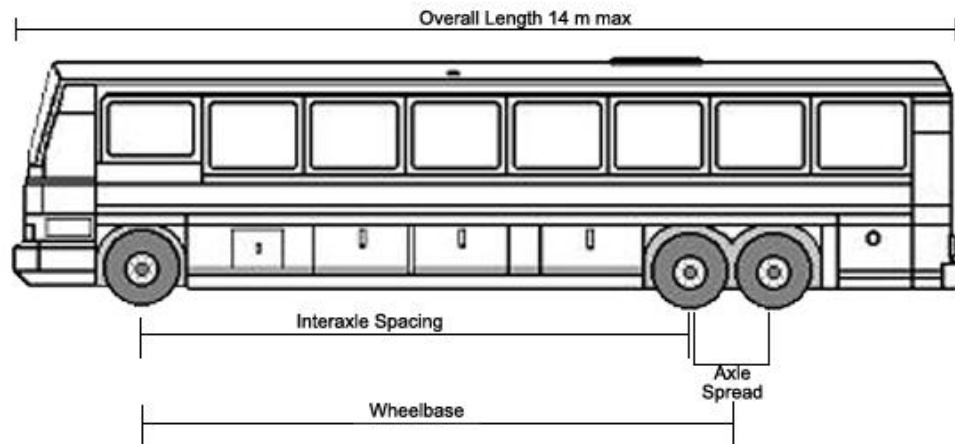
DIMENSION	LIMIT
Overall Length	Maximum 23 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Not controlled
Truck	
Length	Maximum 12.5 m
Wheelbase	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Rear Effective Overhang	Not controlled
Hitch Offset	Not controlled
Full Trailer	
Length	Maximum 12.5 m
Wheelbase	Not controlled
Drawbar Length	Maximum 4.0 m
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Track Width	Not controlled
Converter Dolly	The use of a double drawbar or C Dolly is not permitted on this combination. The use of a trailer converter dolly equipped with a tridem axle unit is not permitted.
Interaxle Spacing	
Steering Axle to Drive Axle	Minimum 3.0 m
Single Axle to Single Axle	Minimum 3.5 m
Single Axle to Axle Group	Minimum 3.5 m
Axle Group to Axle Group	Minimum 5.0 m

Non-RTAC Straight Truck and Full Trailer (continued)



MAXIMUM WEIGHT	RTAC	Class A1	Class B1
Steering Axle	7300 kg	7300 kg	7300 kg
Single Axle (dual tires)	9100 kg	9100 kg	8200 kg
Tandem Axle (dual tires)			
Axle Spread 1.0 m - 1.85 m	16000 kg	16000 kg	14500 kg
Maximum Gross Vehicle Weight Limits (Combination)			
4 Axles	33400 kg	33400 kg	31900 kg
5 Axles	41500 kg	41500 kg	38200 kg
6 Axles	48400 kg	48400 kg	44500 kg
7 Axles	55300 kg	55300 kg	47630 kg
8 Axles	55300 kg	55300 kg	47630 kg

NON-RTAC INTERCITY BUS AND RECREATIONAL VEHICLES



DIMENSION	LIMIT
Overall Length	Maximum 14.0 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Wheelbase	Not controlled
Tandem Axle Spread	Minimum 1.0 m/Maximum 1.85 m
Rear Effective Overhang	Not controlled
Axle Requirements	
Overall length 12.5 m or less	Not controlled
Overall length greater than 12.5 m	Minimum 3 axles

MAXIMUM WEIGHT	LIMIT
Axle Weights	
Steering Axle	Maximum 7300 kg
Single Axle (dual tires)¹	Maximum 9100 kg
Single Axle (single tires)¹	Maximum 6000 kg
Tandem Axle¹	Maximum 16000 kg
Maximum Gross Vehicle Weight Limits (Combination)	
Two axles	Maximum 16400 kg
Three axles (8 tires)	Maximum 22400 kg
Three axles (10 tires)	Maximum 23300 kg

¹When there is more than one axle at the rear of the bus, the load carried by the group must be distributed between axles in a ratio corresponding to the number of tires on each.

***Vehicle Weight
and
Dimension Limits
in Manitoba***

END