

# 8 Axle B-Train Regulation Summary

## Part 1 – Dimension Limits

Figure 1 – Short Wood

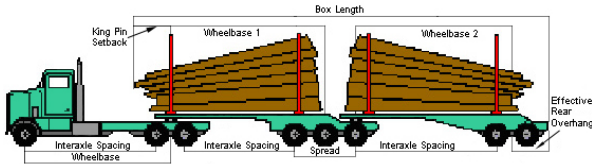
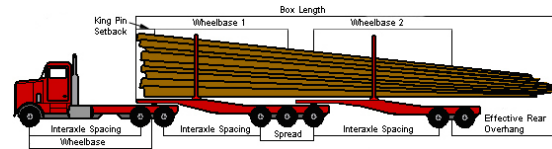


Figure 2 – Long Wood



### DIMENSION LIMIT

Overall Length	Maximum 27.5 metres
Overall Width	Maximum 2.6 metres
Overall Height	Maximum 4.15 metres
Box Length	Maximum 20.0 metres
<b>Tractor</b>	
Wheelbase	Maximum 6.2 metres
Tandem Axle Spread	Minimum 1.2 metres / Maximum 1.85 metres
<b>Tridem Axle Semi – Trailer (Front)</b>	
Length	Maximum 16.2 metres
King Pin Setback	Maximum 2.0 metres
Wheelbase 1	Minimum 6.25 metres / Maximum 12.5 metres
Tridem Axle Spread	Minimum 2.4 metres / Maximum 3.1 metres
Track Width	Minimum 2.5 metres / Maximum 2.6 metres
<b>Tandem Axle Semi – Trailer (Rear)</b>	
Length	Maximum 16.2 metres
King Pin Setback	Maximum 2.0 metres
Wheelbase 2	Minimum 6.25 metres / Maximum 12.5 metres
Tandem Axle Spread	Minimum 1.2 metres/ Maximum 1.85 metres
Track Width	Minimum 2.5 metres / Maximum 2.6 metres
Effective Rear Overhang	Maximum 35% of trailer wheelbase
<b>Interaxle Spacings</b>	
Single Steer to Tandem Axle	Minimum 3.0 metres
Tandem Axle to Tandem Axle	Minimum 5.0 metre
Tandem Axle to Tridem Axle	Minimum 5.5 metres

## Definitions as per [Commercial Vehicle Dimension and Weight Regulation AR315/2002](#)

### Effective rear overhang

The longitudinal distance from the turn centre of the rear axle group of a commercial vehicle to the rearmost point of:

- (i) the vehicle, or
- (ii) the load on the vehicle,

whichever is the greater distance

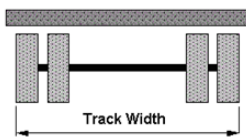
### Kingpin setback

The longitudinal distance from the centre of the kingpin to the front of the semi-trailer or the load, whichever is further forward, excluding any auxiliary equipment attached to the front of the semi-trailer that is not designed for the transportation of goods.

### Track Width

The overall width of an axle measured from the outside of the outside tire located on one side of the vehicle to the outside of the outside tire located on that axle on the other side of the vehicle at any point above the lowest point of the rim.

Rear View of Trailer



### Trailer Wheelbase

The longitudinal distance from the centre of the kingpin on a semi-trailer, the centre of the turntable on a full trailer or the centre of the hitch device on a pony trailer, to the trailer turn centre.

### Tridem axle group

An axle group, on a trailer, consisting of any 3 consecutive axles of a vehicle where the axles are evenly spaced over a distance of not less than 2.4 metres and not greater than 3.7 metres.

### Truck Tractor Wheelbase

The longitudinal distance from the centre of the steering axle or twin steer axle group located on a truck tractor to the turn centre

# Part 2 – Weight Limits



## WEIGHT LIMITS

Steering Axle	Maximum 6,000 kg
Tandem Drive Axle – Dual tires	Maximum 17,000 kg
<b>Tridem Trailer Axle – Dual tires</b>	
Dual tires with axle spread from 2.4 m to less than 3.0 m	Maximum 21,000 kg
Dual tires with axle spread from 3.0 m to 3.1 metres	Maximum 24,000 kg
<b>Gross Vehicle Weight Limits</b>	63,500 kg

**Note:** All axle weights are subject to minimum tire size. (Chart below)

Maximum steering axle weight as per [Commercial Dimension and Weight Regulation AR 315/2002](#)

**9(1)** Subject to section 62 of the Act and section 12(1) of this Regulation, no person shall operate a commercial vehicle on a highway when

- (a) the gross weight on a tire exceeds the smallest of the following:
  - (i) 3,650 kilograms;
  - (ii) the capacity determined by multiplying the cross section dimension of the tire in millimetres, as determined by the manufacturer’s width shown on the tire, by 10 kilograms;
- (b) the gross weight on
  - (i) a steering axle exceeds
    - (A) in the case of a truck tractor, 5,500 kilograms;
    - (B) in the case of a truck, bus, picker truck, bed, truck or winch truck, 7,300 kilograms.

## STEERING AXLE TIRE WEIGHT CHART FOR TRUCKS

ALLOWABLE STEERING AXLE WEIGHTS		ALLOWABLE STEERING AXLE WEIGHTS		PICKER STEERING WEIGHTS WITH ANNUAL PERMIT		
Tire Size	Single Steer	Tire Size	Single Steer	Tire Size	Tire Size	Single Steer
(inches)	Maximum Weight (kg)	(mm)	Maximum Weight (kg)	(inches)	(mm)	Maximum Weight (kg)
210	5, 100	285	5, 700			
211	5, 600	305	6, 100			
212	6, 100	315	6, 300			
213	6, 600	335	6, 700			
214	7, 100	365	7, 300			
215	7, 300	385	7, 300	215	385	7,700
216	7, 300	425	7, 300	216	425	8,500
218	7, 300	445	7, 300	218	445	9,100