

Vehicle Standards Instruction (General 18.1)

Projecting Loads

Released January 2014

This Vehicle Standards Instruction (VSI) has been produced to explain the requirements for transporting projecting loads and to help you ensure you carry these loads safely and legally.

If you carry building materials in your Ute, wide loads on your truck, furniture in your trailer or use the family sedan to move large, unusual or projecting loads, you must know and obey the laws that set out how to transport them safely. These laws have been developed to protect all road users.

When carrying a load on your vehicle, you must consider:

- the total dimensions permitted for your vehicle or trailer plus its load;
- legal safety requirements when carrying projecting loads of different sizes; and
- what to do if your load is too big.

Total dimensions

Before you consider carrying a projecting load, you must ensure you will not exceed legal limits relating to the **total** length, height, width and rear overhang of your vehicle or trailer. **Your load is taken into account when working out these total dimensions.**

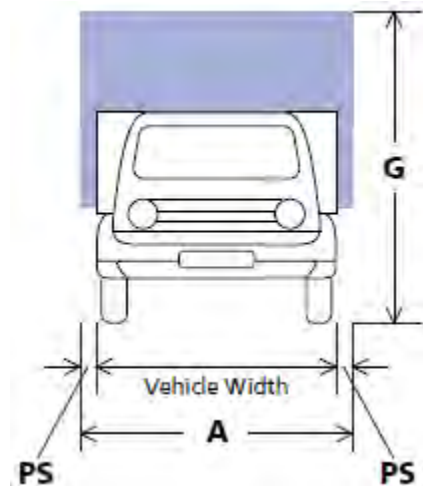
That means:

Dimensions of vehicle or trailer + dimensions of projecting load = total dimensions.

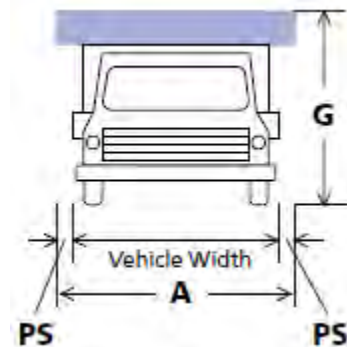
Total dimension limits are worked out to help you safely clear overhead bridges, power lines and other roadside objects such as signs. They also ensure you can turn safely while staying in one lane. The following diagrams illustrate the permitted total dimension limits.

Remember: If your vehicle or trailer is built to the maximum dimensions, you cannot carry any projecting load. For more information about carrying excess dimension indivisible loads, please see page 5.

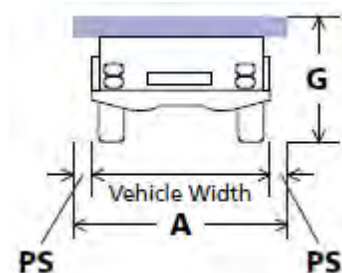
All vehicles



Truck



Utility



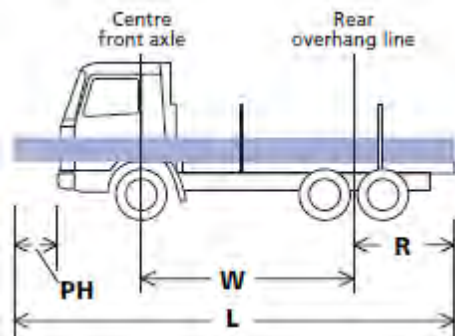
Trailer

Total width 'A': No more than 2.5m

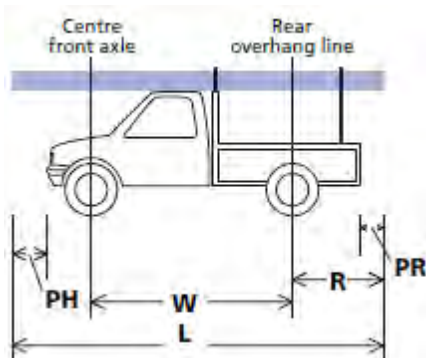
Total height 'G': No more than 4.3m

Distance load can project from side 'PS': No more than 150mm

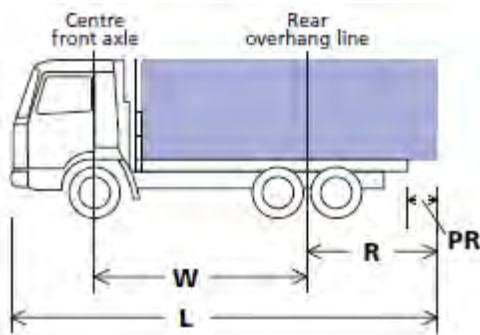
Rigid Vehicles



Truck



Utility



Rigid truck

Total width and height: See limits under 'All vehicles'

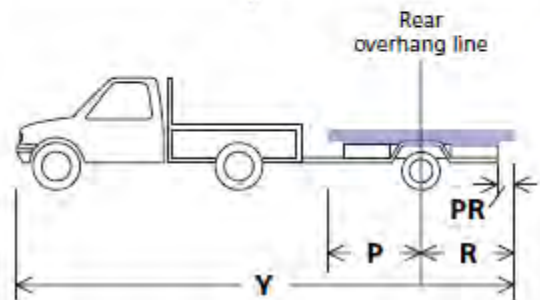
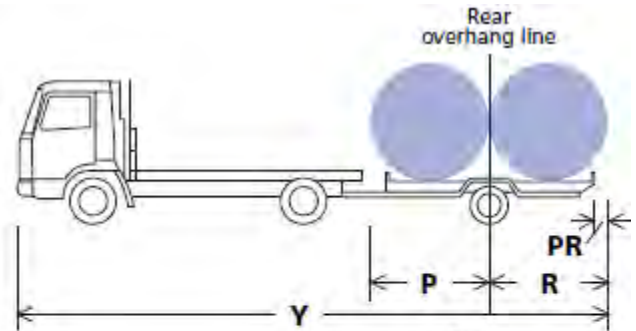
Total length 'L': No more than 12.5m

Rear overhang 'R': No more than 3.7m or no more than 60% of 'W', whichever is less?

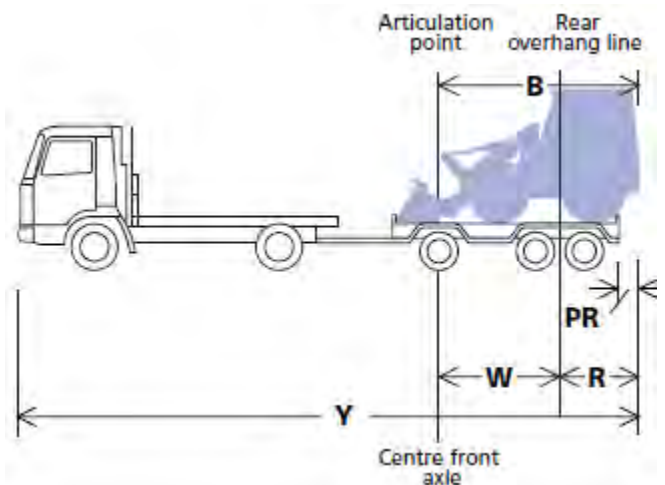
Distance load can project from front 'PH': No more than 1.2m in front of headlights

Distance load can project from rear 'PR': No more than 1.2m without a flag

Rigid vehicles hauling one trailer



Pig trailer



Dog trailer

Total width and height: See limits under 'All vehicles'

Total length 'Y': No more than 19m

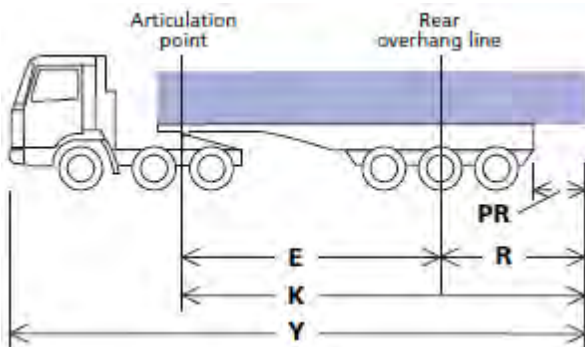
Distance load can project at rear 'R':

Pig trailer: No more than 3.7m or no more than 'P', whichever is less?

Dog trailer: No more than 3.7m or no more than 60% of W, whichever is less?

Distance load can project at rear 'PR': No more than 1.2m without a flag

Prime mover semi-trailer combination



Total width and height: See limits under 'All vehicles'

Total length 'Y': No more than 19m

Length 'K': No more than 12.3m

Rear overhang 'R': No more than 3.7m or no more than 60% of 'E', whichever is less?

Distance load can project at rear 'PR': No more than 1.2m without a flag

Safety requirements

Loads projecting from the back of a vehicle or trailer

Clearly visible loads that project up to 1.2 m from the back of your vehicle or trailer do not need a warning device. Any load that projects more than 1.2 m from the back of your vehicle or trailer must display a warning device.

Warning devices

Warning devices must meet the following requirements.

During the day

You must display a brightly coloured red, red and yellow, or yellow flag at least 450mm by 450 mm is fixed to the extreme back of the load.

At night

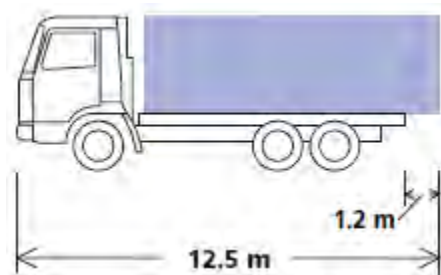
You must display a red warning light that is visible from at least 200 m away, OR at least two red reflectors capable of reflecting from the headlights of a following vehicle.

At all times

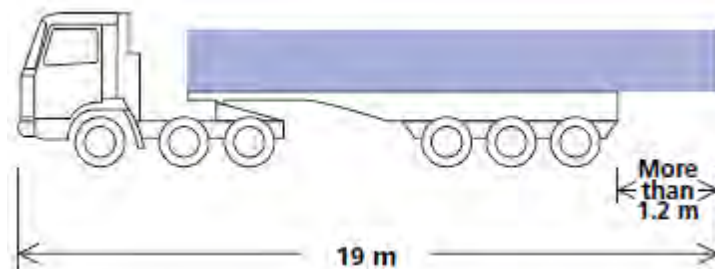
All warning devices must be:

- displayed at the very end of your load; and
- clearly visible to other people.

Rear projection limits



Rear projection up to 1.2m does not need a warning device

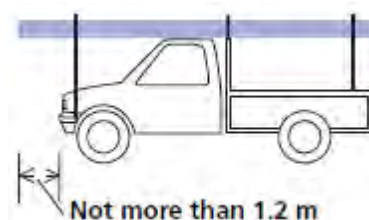
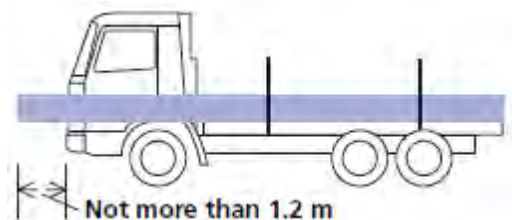


Rear projection more than 1.2m does need a warning device

Remember: Many vehicles and trailers already have the maximum permitted rear overhang, even without a projecting load. Check the total dimensions permitted. Do not carry a load projecting from the rear if it will cause you to exceed these dimensions.

Loads projecting from the front of a vehicle:

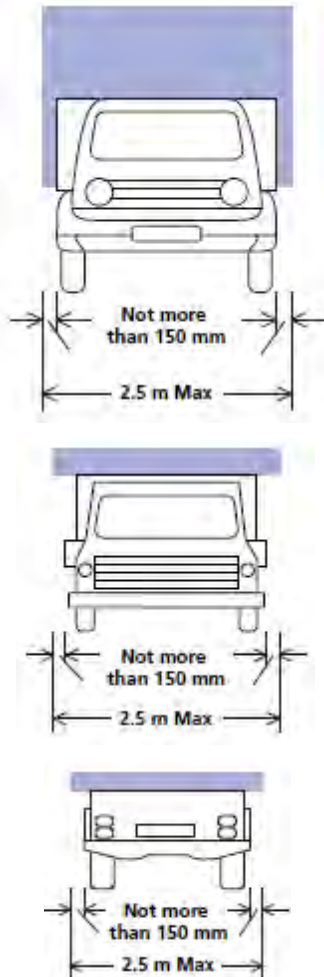
A load must not project more than 1.2 m in front of a vehicle's headlights.



Loads projecting from the side of a vehicle

A load must not project more than 150 mm beyond either side of a vehicle or trailer.

When measuring how far a load projects from the side of a vehicle or trailer, measure from the edge of the vehicle or trailer body – not from rear vision mirrors, lights or reflectors. For trailers with mudguards, measure from the outer edge of the mudguard.



Projecting loads that are hard to see

If your projecting load is not easy for others to see, it must display a warning device regardless of how far it projects. (See 'Warning Devices on page 3).

Should you carry the load?

When deciding whether to carry a load, ask yourself these questions.

Will the load create a hazard for other road users?

An object projecting from the front, rear or side of your vehicle can distract others, collide with vehicles or injure pedestrians.

Make sure you are within legal limits, even for short trips (e.g. from hardware store to building site or home).

Will the load create a hazard for you?

Very heavy or high loads may affect your ability to steer and brake safely. A badly placed load may interfere with your view of the road. All increase the risk of a crash.

Will the load endanger your passengers?

Carrying a load projecting from the interior of a passenger vehicle can be dangerous. Passengers should not be responsible for keeping a load in place. You must be confident that the load is stable and will not harm passengers when you stop, accelerate or turn.

Will the load endanger your vehicle?

Overloading or incorrectly loading your vehicle puts extra stress on the engine, suspension and brakes. Remember, passenger vehicles are generally not designed to carry large or heavy loads. Badly packed loads can also damage interior fittings or exterior paintwork.

Will the load be safe?

It's easy to damage valuable purchases by loading them badly – even on a short trip from the store to home. Professional transporters have the correct materials to secure and protect your goods.

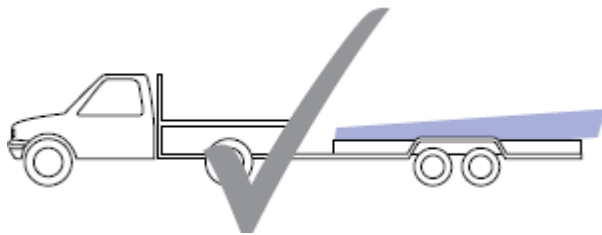
If in doubt, don't carry the load. Consider hiring a vehicle specifically designed to move loads, or paying for professional delivery. It could be much cheaper than the consequences of a crash, injury, vehicle repairs or load damage.

KEEP IT SAFE – no matter what!

The most important principle when carrying a projecting load is that the load must be safe. By law, a load cannot project in a way that is dangerous to people, property or traffic, or that makes a vehicle unstable. It may not be enough to check total dimensions or fit a warning device. If your load projects dangerously, it is still illegal. See below for tips on carrying your load safely.



Load too long for trailer, projecting too far to the rear



Trailer correct length for load, no dangerous overhang



Load too large for vehicle, projecting too far from sides



Vehicle correct size for load, side projection within permitted limits



Load too large for vehicle, projecting too far from front and rear



Vehicle correct size for load, rear projection within permitted limits

Restrain your load

All loads must be securely restrained. For more information on how you must restrain a load visit the Transport and Main Roads' website (www.tmr.qld.gov.au) and search for 'load restraint'.

What if your load's too big?

If you check and find the total dimensions of your vehicle or trailer plus load are illegal or unsafe:

- You must use a larger vehicle or vehicle combination on which the load can be carried legally.
- If the load you are carrying is a single object that cannot be broken down into smaller pieces (known as an "indivisible" object) and the total dimensions exceed the legal limits, the vehicle may be able to operate under the Guideline for Excess Dimension—Vehicles carrying indivisible articles, special purpose vehicles and vehicles that require a pilot or escort; Form 4.

To operate under the guideline a vehicle must have a Gross Vehicle Mass (GVM) of more than

4.5t or be in a combination that includes a vehicle with a GVM of more than 4.5t.

For more information, or to get a copy of the guideline, visit the Department of Transport and Main Roads' website (www.tmr.qld.gov.au) or call 13 23 80.