

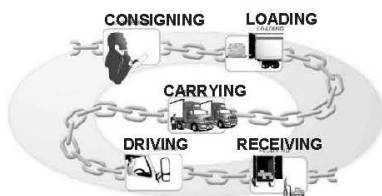
## SITE REQUIREMENTS

- ✓ Customers must stay with their vehicle or in designated safe areas at all times and take direction from loading staff.
- ✓ **Pantex Roofing Systems personnel have final say.** It is unacceptable that a person be injured or property damaged as a result of vehicles being overloaded, loads overhanging inappropriately or loads restrained inappropriately.
- ✓ Customers must observe all site speed limits, traffic signs and staff directions.
- ✓ Alternative arrangements for delivery will be made if the vehicle or equipment is inappropriate for the load. (Charges applicable.)

## LEGISLATIVE REQUIREMENTS

Adherence to this guideline assists Pantex Roofing Systems and customers in meeting the following legal requirements:

- **OHS Acts & Regulations** in accordance with the respective Australian State and Territory Legislation
- **Guidelines & Performance Standards:** National Transport Commission (NTC) Load Restraint Guide
- Chain of Responsibility



(Picture courtesy of the NTC).

**DEGREE OF CONTROL = RESPONSIBILITY = LEGAL**

Any party who has control in a transport operation can be held responsible and may be made legally liable.

Liability for an offence will apply if a person knowingly, or ought to have known, that their actions breach a road transport law and/or is unsafe e.g. inadequate load restraint.

For more information refer to the National Transport Commission website at [www.ntc.gov.au](http://www.ntc.gov.au).

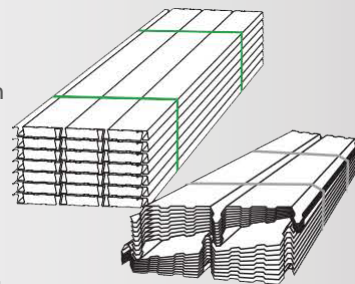
## CUSTOMER COLLECTS

### THIS GUIDELINE

- Assists in keeping Pantex Roofing Systems customers, visitors, employees and the general public safe from injury on the Pantex Roofing Systems site, customer premises and on public roads.
- Provides information on the State regulations and site requirements for transport of products from the Pantex Roofing Systems site.
- Sets out minimum safety and load restraint requirements.

## WEIGHT & LOAD REQUIREMENTS

- ✗ Carrying of long and/or heavy loads in a vehicle not designed for such purposes can be dangerous and in breach of the law. **Vehicles considered inappropriate will not be loaded.**
- ✗ Vehicles are not to be overloaded. This includes roof racks.
- ✓ Pantex Roofing Systems will not load above the following limits without written verification that both the roof rack and the vehicle roof is capable of a higher load (including the load already on the vehicle):



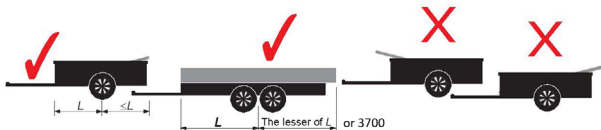
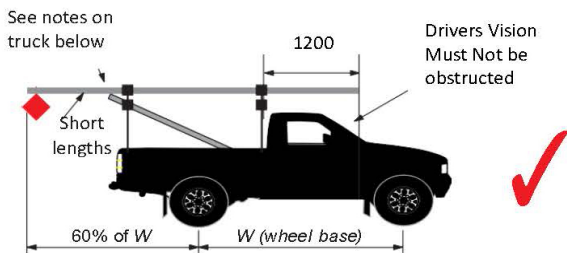
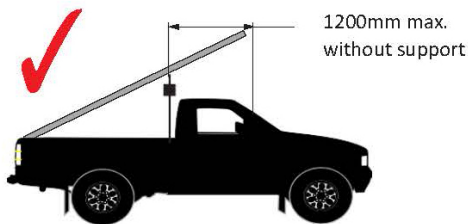
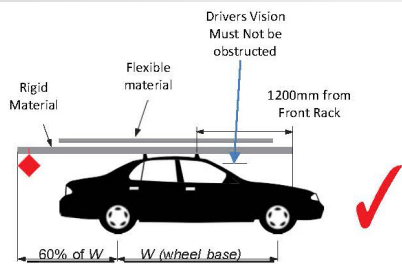
- **Car/Sports Roof racks 40kg**
- **Trade Ute Roof Racks 100kg**
- **Steel/Aluminum Industrial Ladder Racks 150kg (no load on roof)**

Written verification of acceptable higher weights includes (i) the load rated sticker on the roof racks, (ii) information in the vehicle handbook, (iii) paperwork received with the roof racks, (iv) information from the suppliers website or (v) engineering certificate.

Vehicle stability (due to higher centre of mass) must also be considered.

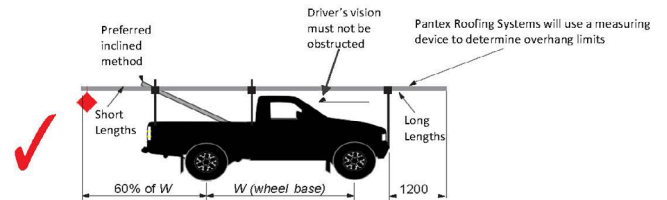
## OVERHANG REQUIREMENTS

- ✓ The overhang limits on this page are for **ALL** vehicle types and are based on maximum limits for product protection and/or the State regulations. Wide loads should not be inclined (due to wind loadings).

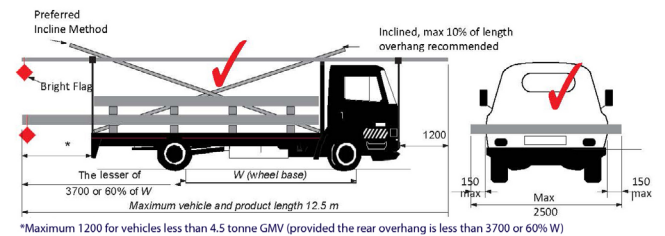
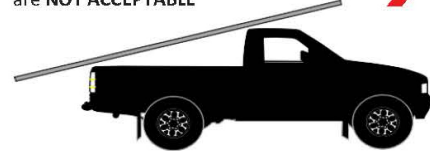


The rear overhang of a trailer must be the lesser of the front load carrying area or body ahead of the centre of the axle group and 3.7m. **NO FORWARD OVERHANGS FOR BOX TRAILERS**

- ✗ The driver's vision must not be obstructed. Projections/overhangs that are dangerous are not acceptable, even if they are within the limits below.
- ✓ For daytime travel, a minimum 450mm square **bright red flag** is required on any overhang that cannot be easily seen. This is mandatory for overhangs beyond 1200mm past the end of a vehicle (e.g. for trucks).



Utes with tapered loads are **NOT ACCEPTABLE**

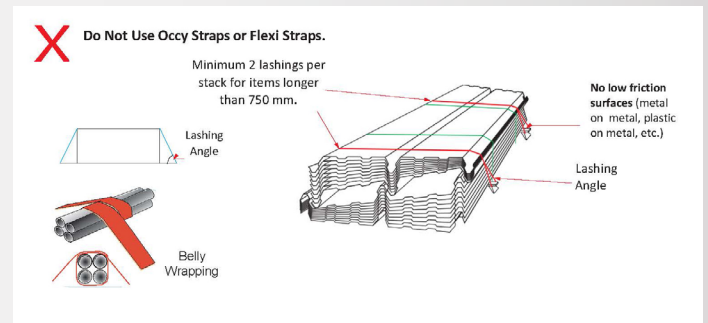


\*Maximum 1200 for vehicles less than 4.5 tonne GMV (provided the rear overhang is less than 3700 or 60% W)

## LOAD RESTRAINT REQUIREMENTS

- Loads must be restrained to prevent unacceptable movement during all expected conditions of operation. In particular, the load must be restrained to be able to resist specific forces in different directions of movement. Please refer to the 'Load Restraint Guide' National Transport Commission: (<https://www.ntc.gov.au/codes-and-guidelines/load-restraint-guide>).
- The following minimum load restraint requirements have been designed to meet the above conditions for securely strapped flat loads. Round loads must be belly wrapped and may require extra lashings.
- Recommended minimum 1 lashing per 1.5 metres along load for long or lightweight packs e.g. roofing.

- Packs will be required to be restrained as per **TABLE 1** or under the direction of Pantex Roofing Systems personnel.
- The load restraint equipment must be suitable for the nature of the product and meet the requirements set out in **TABLE 1**. Pantex Roofing Systems personnel have the right to refuse to load if they are not satisfied with the integrity of the load restraint equipment.



**TABLE 1: LASHING REQUIREMENTS**

Lashings Angle to Horizontal	25mm hand tightened webbing	25mm ratchet webbing	35 mm ratchet webbing	8 mm synthetic rope with single hitch
60 to 90°	52kg per strap	170kg	430kg	87kg per rope
45 to 60°	46kg per strap	140kg	350kg	71kg per rope
30 to 45°	30kg per strap	100kg	250kg	50kg per rope
15 to 30°	15kg per strap	52kg	130kg	26kg per rope

### Key assumptions in Table 1:

1. All lashings are fully tensioned. If not, then more lashings may be required.
2. **No low friction surfaces** e.g. steel on steel, plastic on plastic, plastic on steel etc.
3. A minimum static coefficient of friction of  $\mu = 0.40$  is achieved under all products and between layers of a load e.g. rubber or timber against steel or plastic
4. **Round loads** require belly wrapping and extra restraint.

## ANY QUESTIONS

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