

TECHNICAL ADVICE DOCUMENT

12.2 m Sections loaded to strengthened headboards

1. This Technical Advice Document applies to:

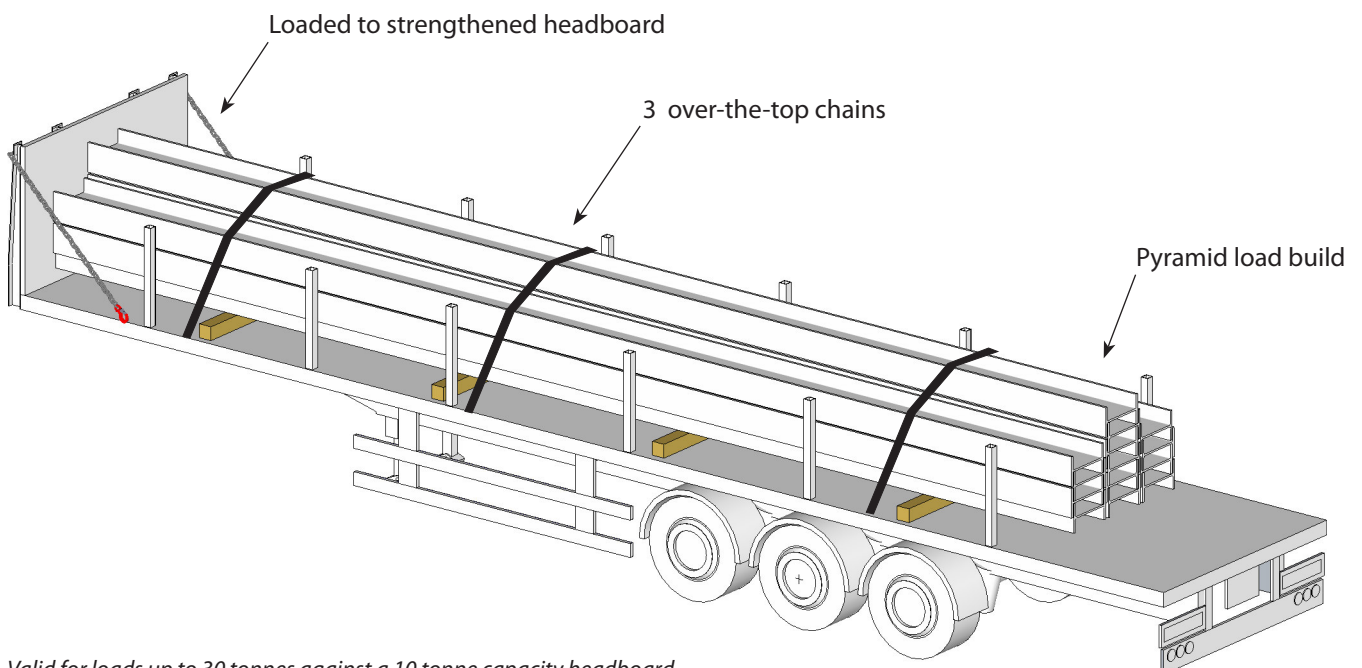
- Structural sections 12.2 m long, loaded to strengthened trailer headboards.
- Up to a maximum payload of 30 tonnes.

Mill finish steel on steel coefficient of static friction is taken to be 0.42 as determined under LRG-0002-SS.

2. Essential requirements

- Trailers must have strengthened headboards with a load bearing capacity of 10 tonnes.
- Headboards must be a minimum height of 1500 mm.
- Side pins must be fitted to the trailers - minimum of 4 pairs along the length of the trailer.
- All load restraints must be transport chains compliant with EN 12195-3, minimum Grade 8/80 8mm chains with a lashing capacity of 40 kN. 10mm chains are acceptable.
- Minimum of 4-off square base timbers 150 x 150 mm.
- Tractor and trailer combined tare weight of 14 tonnes maximum to achieve axle loading.
- 5th wheel offset will need to be set to ensure drive axle is not overloaded.

3. Overview of restraint system



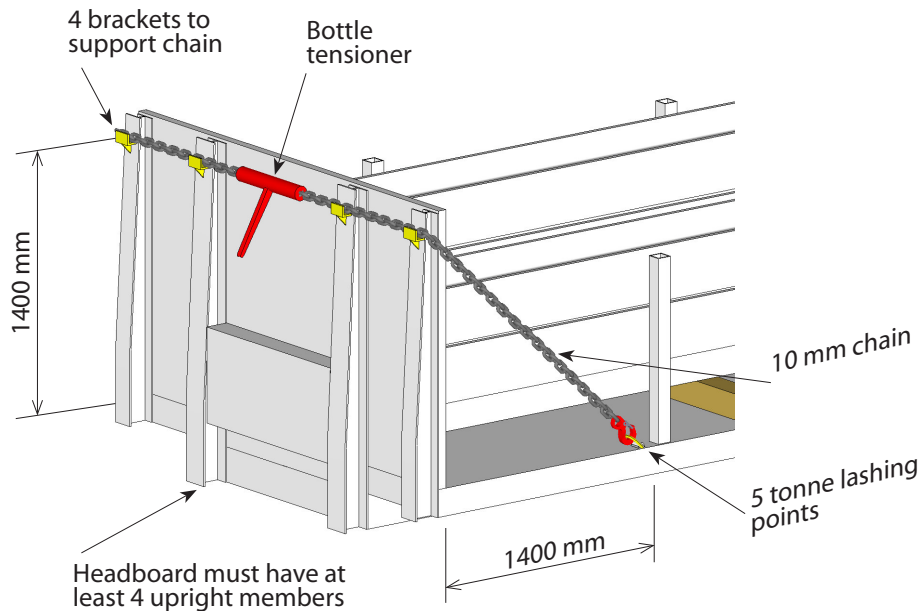
Valid for loads up to 30 tonnes against a 10 tonne capacity headboard

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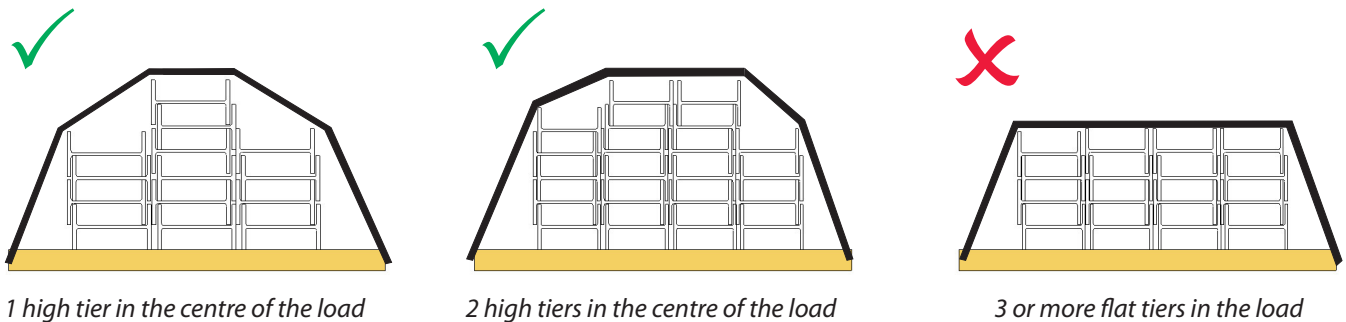
4. Suggested details for strengthening the trailer headboard

The sketch below provides an outline of the requirements for strengthening a standard trailer headboard to provide a 10 tonnes capacity headboard capable of providing the necessary restraint for product loaded up to 1500 mm high.



5. Pyramid load build

All tiers in the load must be clamped down by the over-the-top chains to provide the necessary rearward restraint.

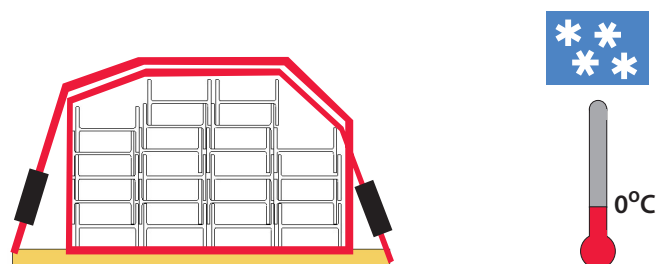


Note: No uncontrolled vertical gaps in the load.

6. Winter weather advisory periods

During winter weather advisory periods when there is a risk of frost and ice present in the load **add 2 belly-wrap chains, each with 2 tensioners.**

Total restraint = 3 over-the-top + 2 belly-wraps



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