1. This guideline applies to:

- The transportation of profiled, shot blasted and cast blooms with a maximum individual product length of 6.2m ±0.3m by road.

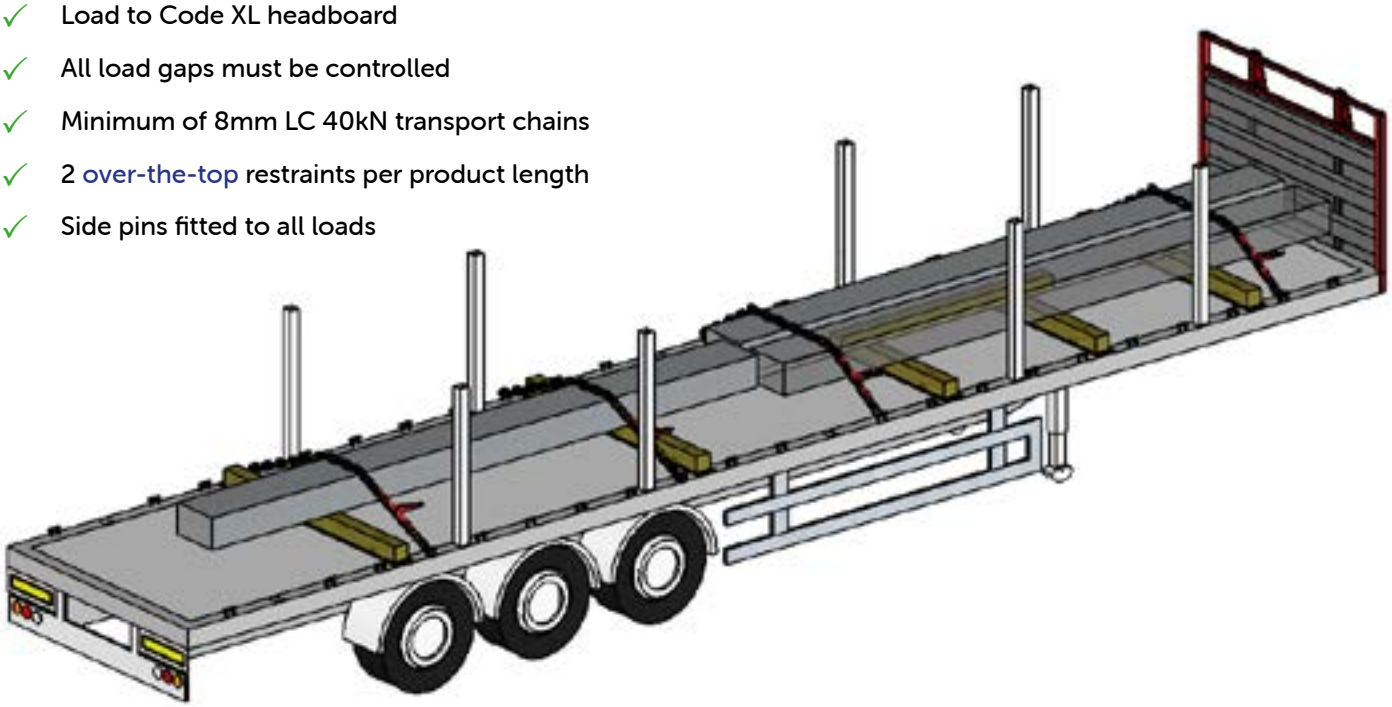
The lowest friction factor for this product on timber dunnage, determined as per EN 12195-1:2010 Annex B.1.2 is μ=0.6

2. Essential requirements

- Trailer headboards rated to EN12642 Code XL with a minimum height of 1500 mm (Code L restraint option available in **Section 3.2)**.
- Anti-slip matting (minimum of 8mm thick) to be placed beneath ALL base timbers.
- A minimum 4-off full width base timbers with a cross section of 150 mm x 150 mm per load.
- All restraints must be a minimum 8mm Grade 8, LC 40kN transport chains and must be compliant with EN 12195-3.
- Chain gaps must be controlled at all times as per *TIS-0007 Controlling chain gaps in loads*.
- Side pins fitted for loading and unloading safety on all loads.

3. Overview of restraint system for UK road loads

- ✓ Anti-slip matting benath ALL base timbers
- ✓ Load to Code XL headboard
- ✓ All load gaps must be controlled
- ✓ Minimum of 8mm LC 40kN transport chains
- ✓ 2 over-the-top restraints per product length
- ✓ Side pins fitted to all loads

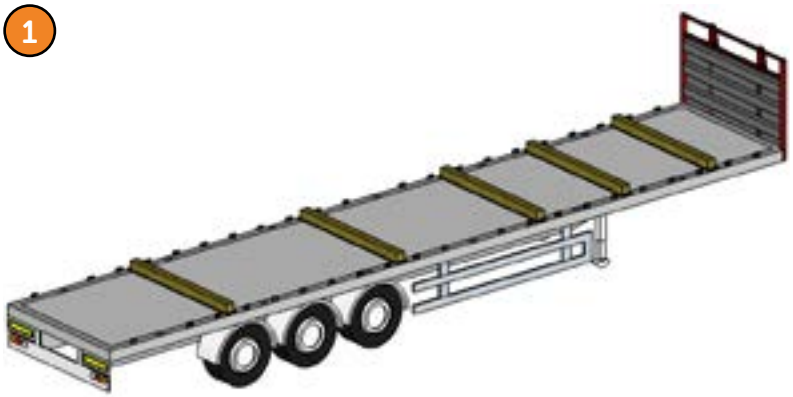


Example: 3 Bloom load using base timber for chain gap dunnage

This Technical Advice Document has been designed to meet the forces for road transport as stated in EN 12195-1:2010 and VDI 2700.

3.2 Load build with intermediate dunnage application

1



Base timbers placement from the headboard:

1st timber at 1m
2nd timber at 3m
3rd timber at 5m
intervals for the front blooms

Rear blooms 1m from each end.

2

Load 1st bloom to the head-board and slightly off centre

3

Place chain gap dunnage on timbers 2 & 3

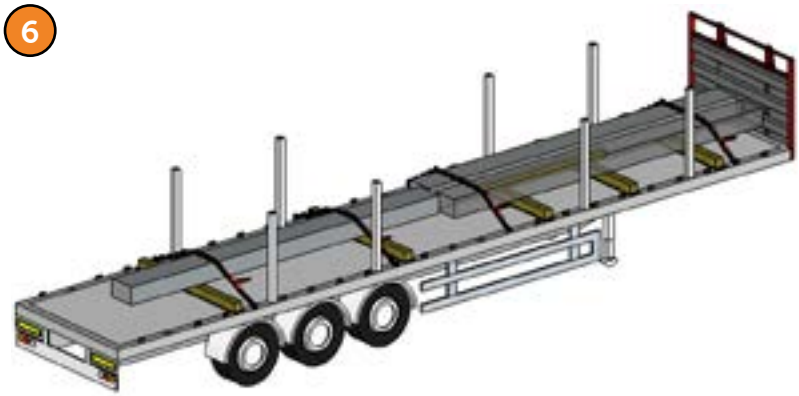
4

Load 2nd bloom against the chain gap dunnage

5

Load rear bloom centrally on the trailer

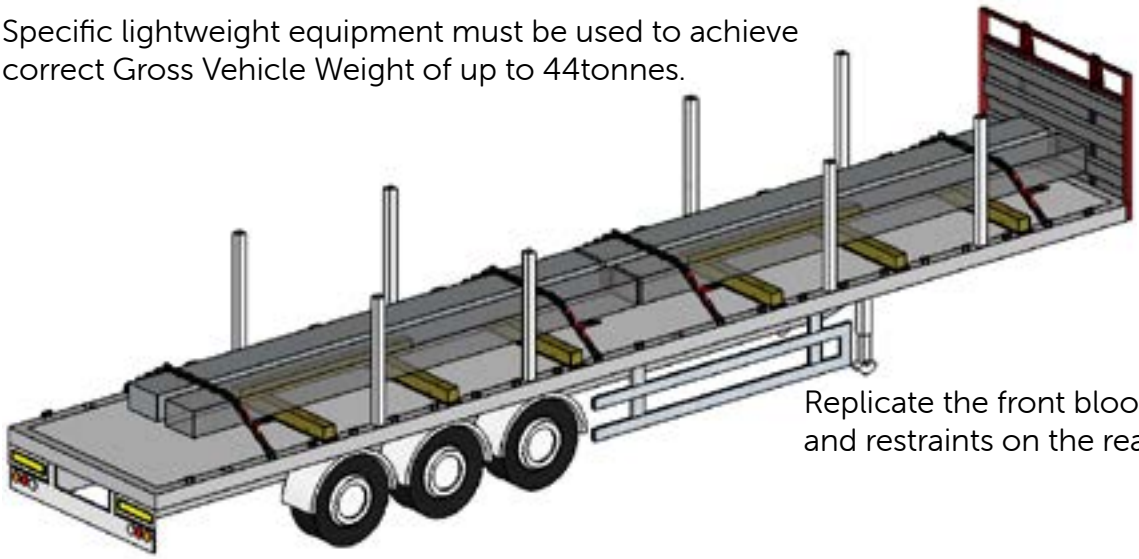
6



Apply FULL load restraint with side pins

3.3 Abnormal Load - 4 Blooms at 28.5 tonnes

Specific lightweight equipment must be used to achieve correct Gross Vehicle Weight of up to 44tonnes.



Replicate the front bloom load build and restraints on the rear blooms.

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