

LOAD RESTRAINT GUIDELINE



L LRG 0113 180mm Blooms - Export and Intermodal Issue 1

Partial	UK	Export
✗	✗	✓

Key: ✓ = Covered in this document

✗ = Not permitted

LLRG... = See referenced LLRG

1. This Load Restraint Guideline applies to:

- The transportation of 180mm Blooms (up to 13m in length) for export and intermodal loads.

1.1 Essential requirements

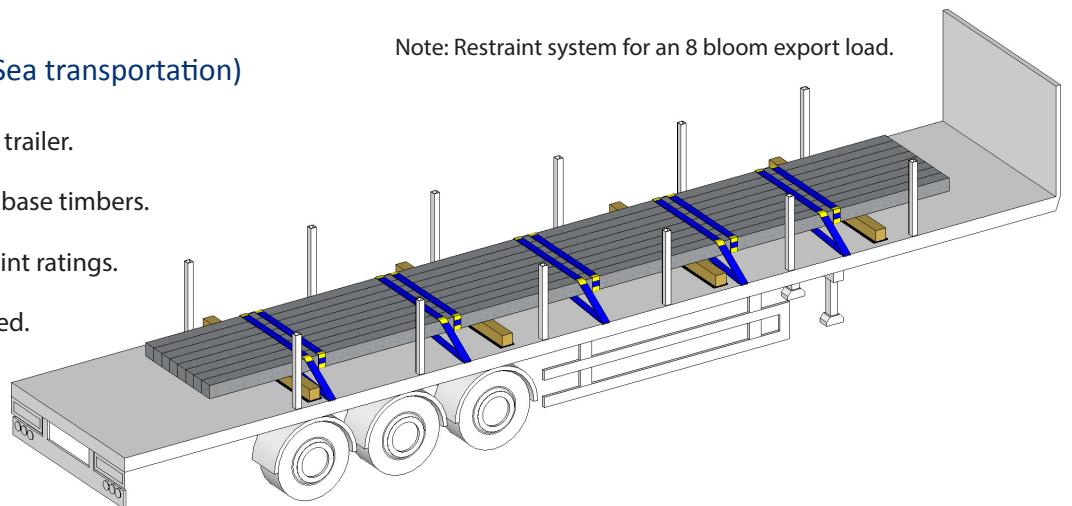
- All webbing restraints must be compliant with EN 12195-2, with a minimum rating of LC 2000 daN.
- All timber dunnage must have a minimum square cross-section of 75 mm x 75 mm.
- Anti-slip matting must be placed beneath all base timber dunnage.
- Where required, false headboard (front and/or rear) must be no wider than the bottom layer of the load.
- Suitable edge protection MUST be fitted to straps in contact with the product and the chassis frame. See TIS-0005.
- For axle loading guidance, see Technical Information Sheet TIS-0012 Axle weights and load distribution.
- ALL clamping legs MUST have webbing sleeve edge protection fitted.

2. Load restraint

2.1 Export loads (Road and Sea transportation)

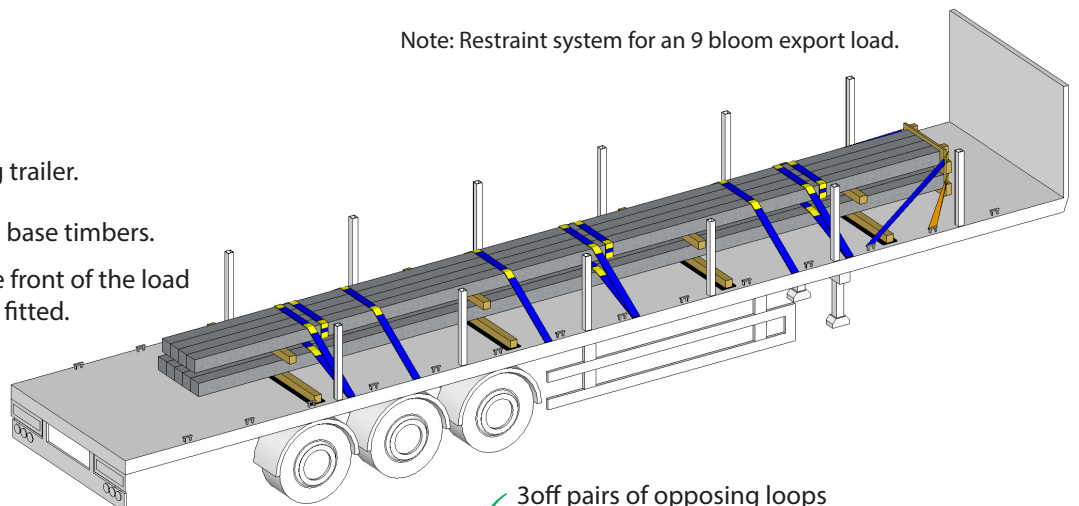
Note: Restraint system for an 8 bloom export load.

- ✓ Load product centrally along trailer.
- ✓ Anti-slip matting beneath all base timbers.
- ✓ 2 tonne minimum lashing point ratings.
- ✓ 5 pairs of opposing loops fitted.
- ✓ Suitable edge protection to be fitted on all corners.



Note: Restraint system for an 9 bloom export load.

- ✓ Load product centrally along trailer.
- ✓ Anti-slip matting beneath all base timbers.
- ✓ False headboard fitted at the front of the load with 2off webbing restraints fitted.



- ✓ 2 tonne minimum lashing point ratings.

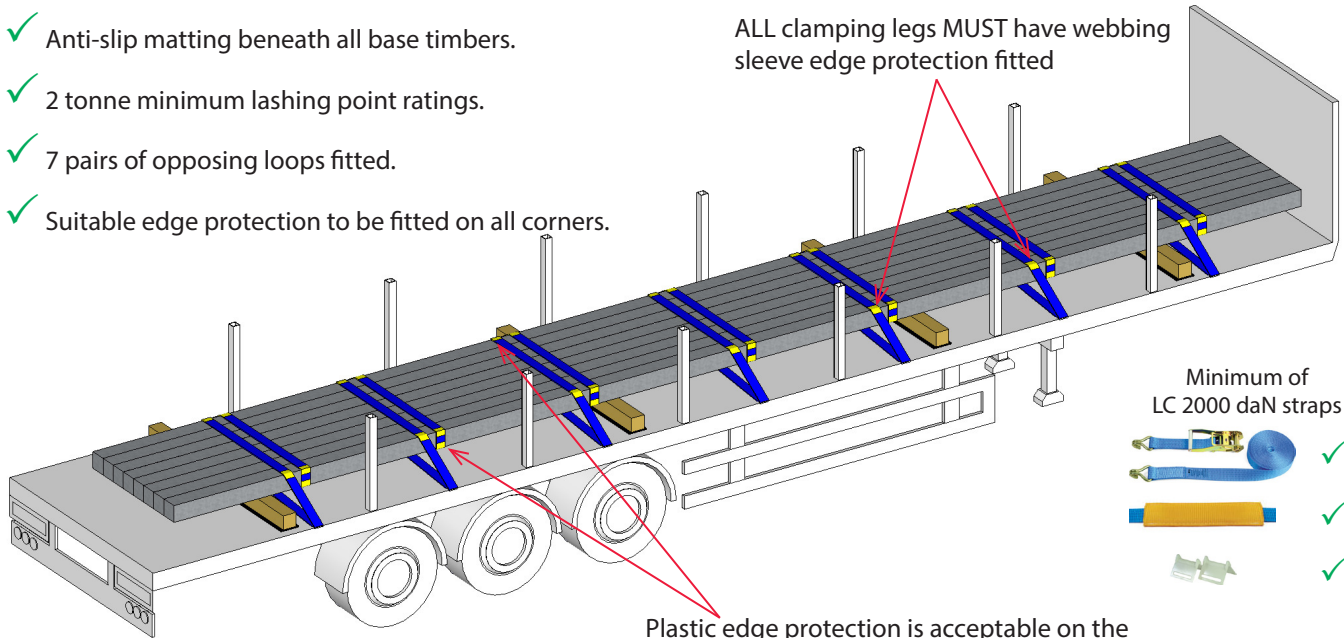
- ✓ 3off pairs of opposing loops + 3off over-the-top webbing restraints.
- ✓ Suitable edge protection to be fitted on all corners.

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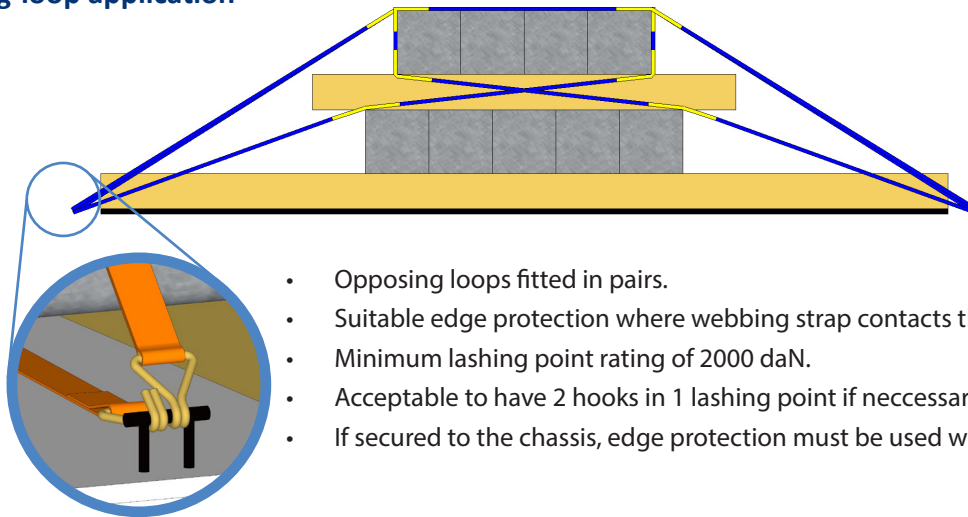
2.2 Intermodal loads

- ✓ Load product centrally along trailer.
- ✓ Load to 10t Headboard where required.
- ✓ Anti-slip matting beneath all base timbers.
- ✓ 2 tonne minimum lashing point ratings.
- ✓ 7 pairs of opposing loops fitted.
- ✓ Suitable edge protection to be fitted on all corners.



Plastic edge protection is acceptable on the remaining corners of each opposing loop

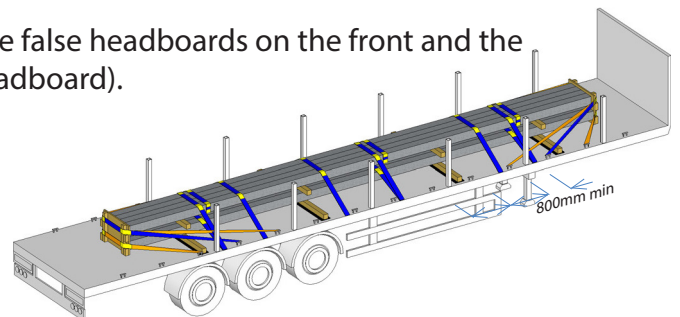
3. Opposing-loop application



- Opposing loops fitted in pairs.
- Suitable edge protection where webbing strap contacts the product.
- Minimum lashing point rating of 2000 daN.
- Acceptable to have 2 hooks in 1 lashing point if necessary.
- If secured to the chassis, edge protection must be used where necessary.

4. False headboard application for Intermodal transportation

- The restraint system for Intermodal loads must have false headboards on the front and the rear of the load (for longer blooms, load to a 10t headboard).
- ✓ False headboard must cover the product width only.
- ✓ 800mm min. lashing spacing between direct restraints.
- ✓ 3 off webbing straps applied to front and rear headboards.
- ✓ 2 tonne minimum lashing point ratings.



Note: Restraint system for 9 bloom intermodal load.

This Load Restraint Guideline is designed to meet the forces specified in EN 12195-1:2010 and VDI 2700 for road and sea transport.