

Load Restraint

TECHNICAL ADVICE DOCUMENT

180mm Blooms - Export and Intermodal

1. This Technical Advice Document applies to:

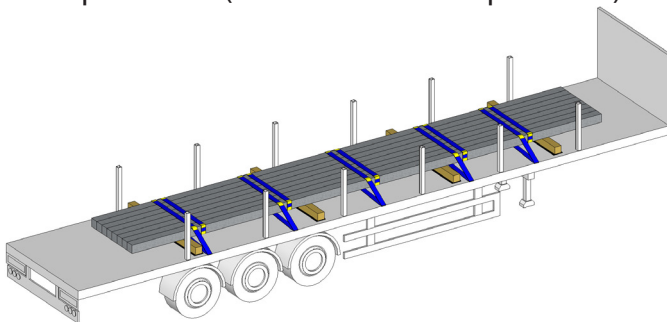
- The transportation of 180mm Blooms (up to 13m in length) for export and intermodal loads.

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.

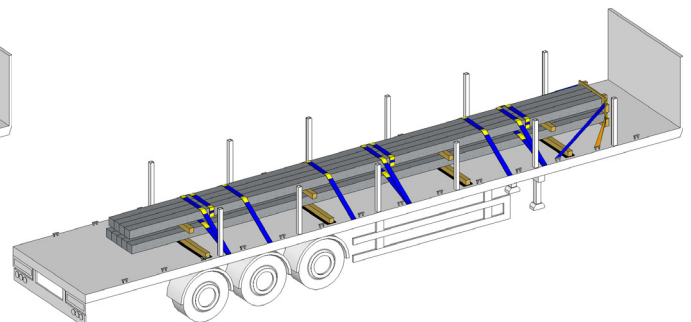
2. Load restraint

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 a 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 as required. ✓

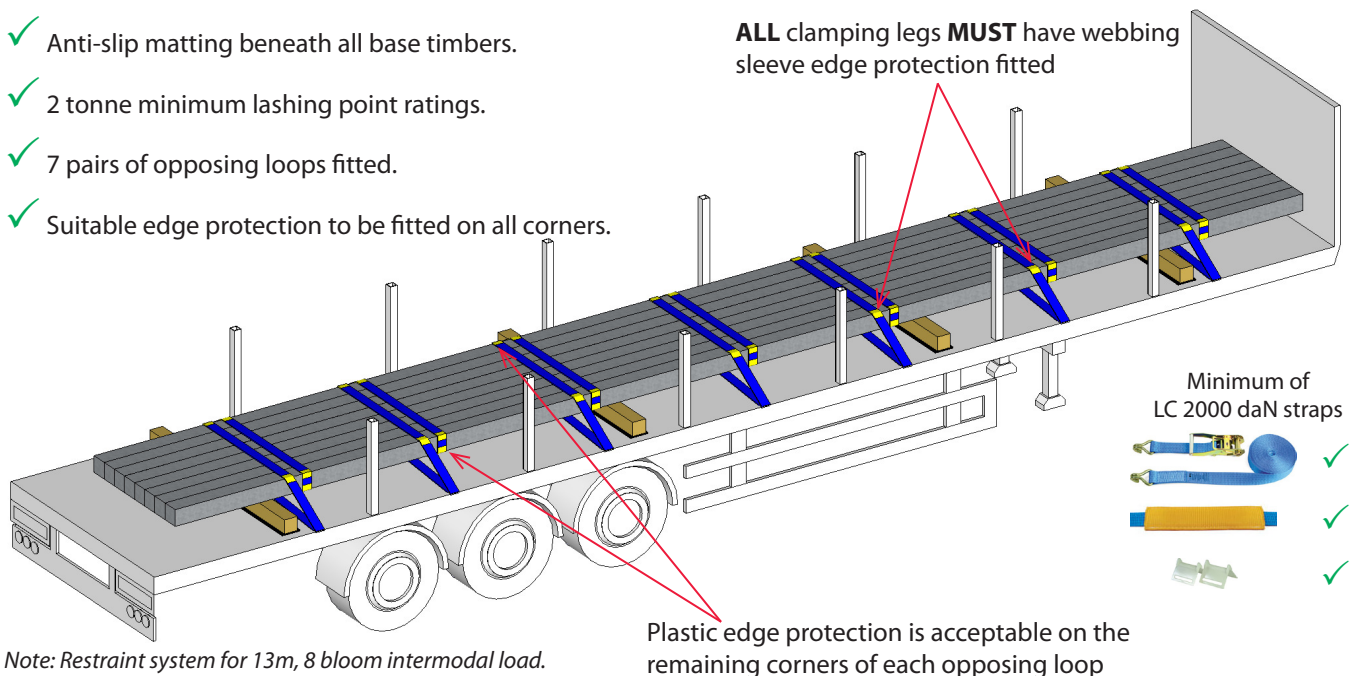
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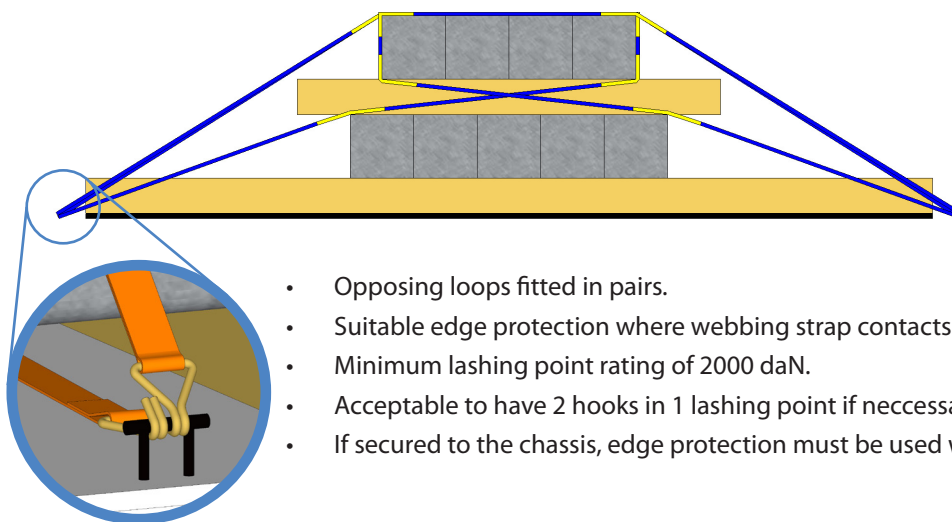
180mm Blooms - Export and Intermodal

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.



3. Opposing-loop application



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.
- ✓ 3off webbing straps applied to front and rear headboards.
- ✓ 2 tonne minimum lashing point ratings.

