

1. This Technical Advice Document applies to:

- The transportation of 155mm x 155mm x 10m FN billets by road and by sea.
- Maximum of 14 billets (26.5t) for export loads.

The lowest friction factor determined as per EN 12195-1:2010 Annex B.1.2 is $\mu=0.6$

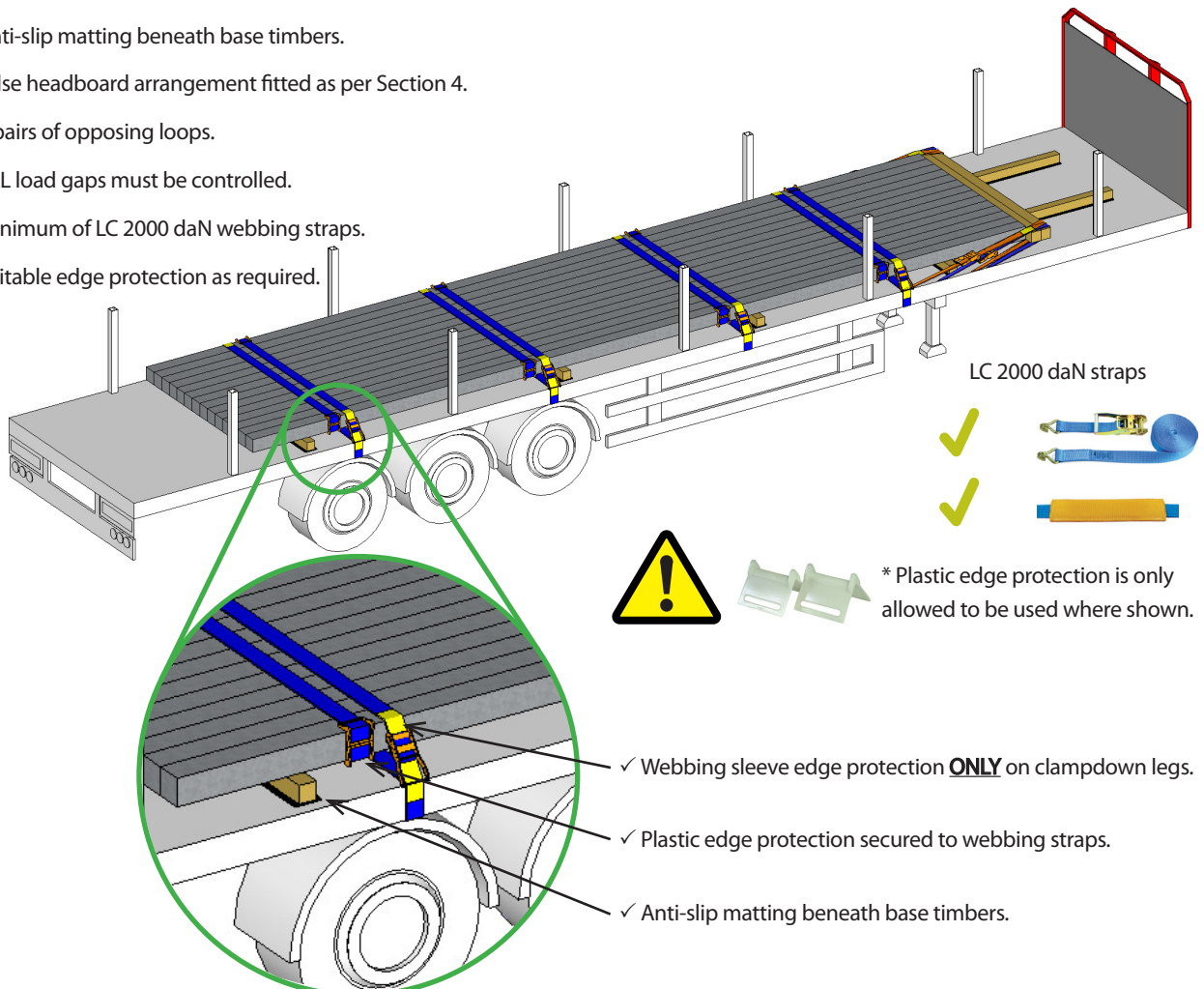
2. Essential requirements

- All loads must be blocked in the forwards direction.
- All restraints must be a minimum of LC 2000 daN webbing straps and must be compliant with EN 12195-2.
- Webbing sleeve edge protection must be fitted to webbing straps in contact with the product and the chassis frame (unless otherwise stated).
- Anti-slip matting must be placed between all base timbers and the trailer deck.
- Loads must be placed in accordance with TIS-0012 Axle loads and weight distribution.

3. Load configuration and restraint

3.1 Timber frame false headboard

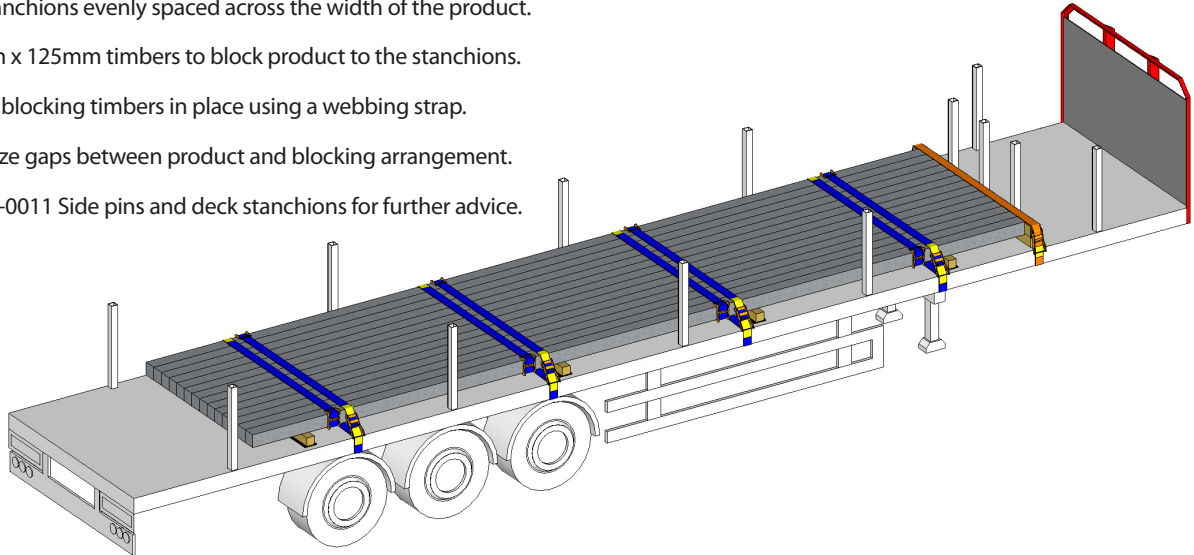
- ✓ Anti-slip matting beneath base timbers.
- ✓ False headboard arrangement fitted as per Section 4.
- ✓ 4 pairs of opposing loops.
- ✓ ALL load gaps must be controlled.
- ✓ Minimum of LC 2000 daN webbing straps.
- ✓ Suitable edge protection as required.



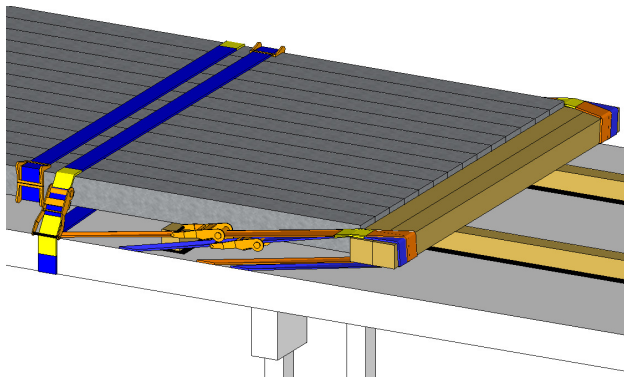
This Technical Advice Document has been designed to meet the forces for road transport as stated in EN 12195-1:2010 and VDI 2700.

3.2 Blocked to stanchions

- ✓ Stanchions must be a minimum of 80mm x 80mm with a wall thickness of 5mm - Steel Grade S355.
- ✓ 3off stanchions evenly spaced across the width of the product.
- ✓ 125mm x 125mm timbers to block product to the stanchions.
- ✓ Secure blocking timbers in place using a webbing strap.
- ✓ Minimize gaps between product and blocking arrangement.
- ✓ See TIS-0011 Side pins and deck stanchions for further advice.



4. False headboard arrangement



- ✓ Anti-slip matting beneath supporting timbers.
- ✓ 2off timbers with a minimum cross section of 125mm x 125mm must be used.
- ✓ 4 webbing straps pulling rearwards (2 on each side the of load).
- ✓ Minimum of LC 2000 daN webbing straps.
- ✓ Webbing sleeve edge protection as required.
- ✓ Minimize gaps between product and blocking arrangement.

5. Winter weather advisory periods

During winter weather advisory periods, anti-slip matting must be placed on BOTH sides of all base timbers.

Load	15 tonnes	20 tonnes	26 tonnes
Forwards blocking + Opposing loops	2	3	4
During severe winter weather advisory periods	+ ASM both sides of base timbers		

