

# LOAD RESTRAINT GUIDELINE

## L LRG 0109 Rotherham LBC 560x400 Export Issue 1

Partial	UK	Export
✗	✗	✓

Key: ✓ = Covered in this document

✗ = Not permitted

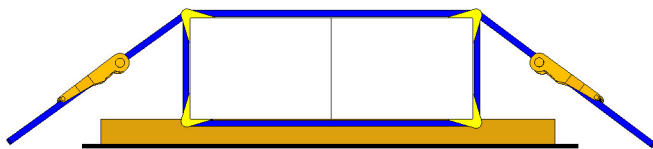
LLRG... = See referenced LLRG

### 1. Essential requirements

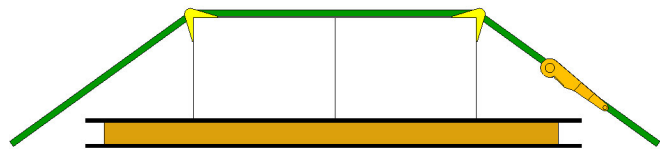
560 x 400 mm cross section

- All webbing straps must have a minimum LC of 2000daN, and must be compliant with EN 12195-2.
- Edge protection must be fitted to straps in contact with the product and chassis frame.
- No uncontrolled gaps between blooms loaded side by side.
- Product must be placed centrally across the width of the trailer.
- Anti-slip matting applied between timbers and trailer deck.
- Base timbers 100 x 100 mm minimum.

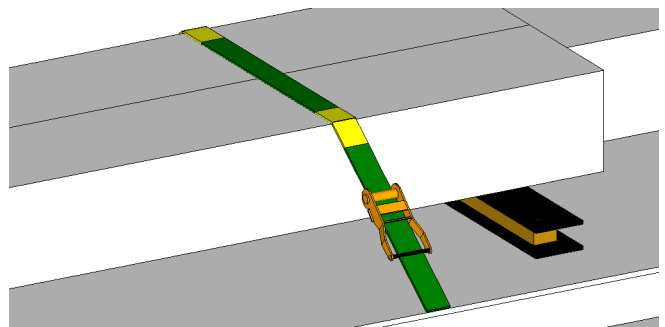
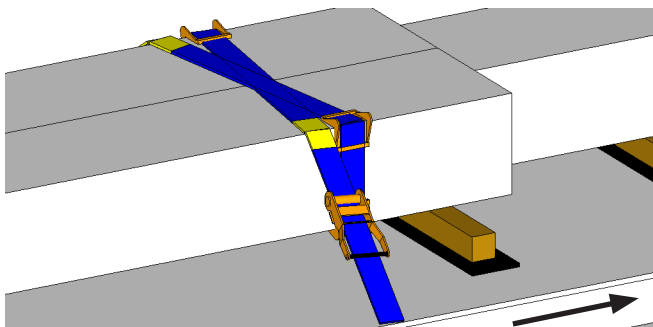
### 2. Restraint methods overview



Belly-wrap



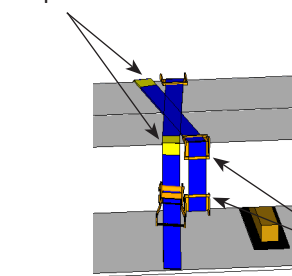
Over the top strap



Direction of travel

x 2 per restraint

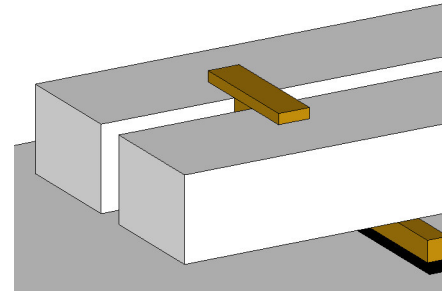
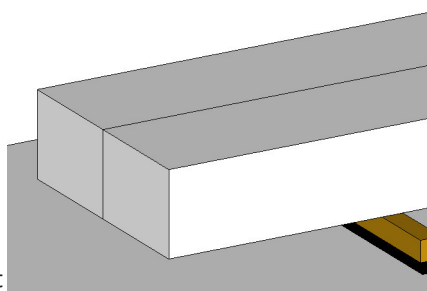
✓ Gaps closed or blocked.



Direction of travel

OR

x 4 per restraint

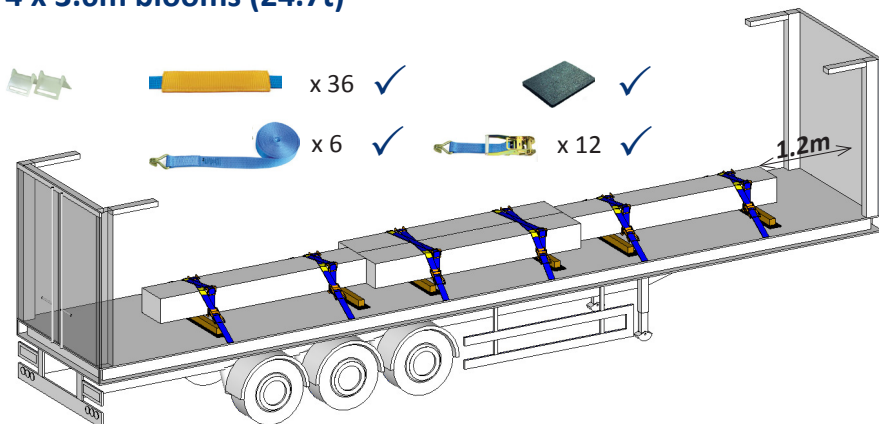


When the Severe Winter Weather Warning is in force no additional load restraints are required.

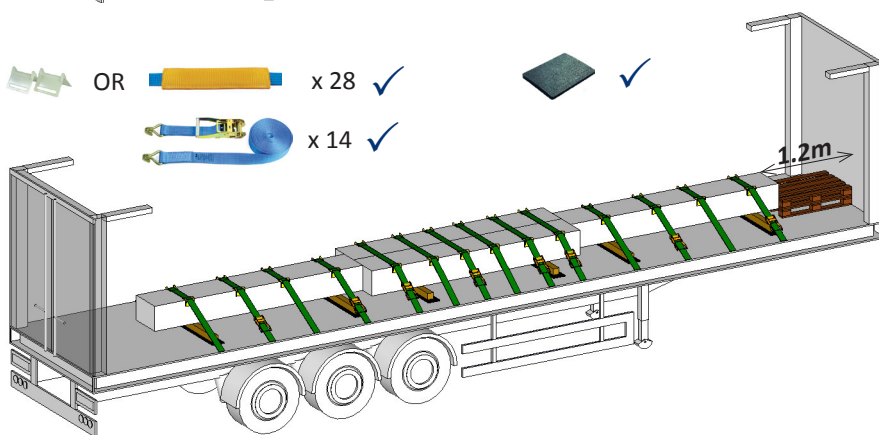
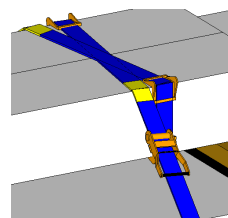
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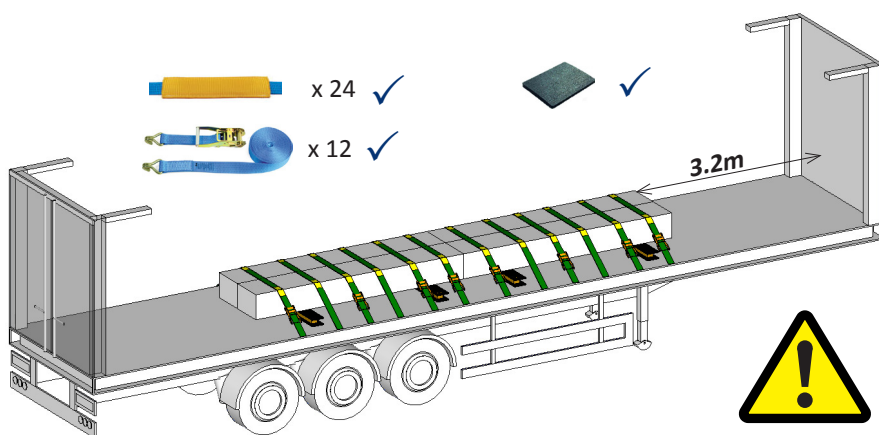
### 4 x 3.6m blooms (24.7t)



- ✓ 6 belly-wraps.
- ✓ Anti-slip matting positioned under the timbers.
- ✓ 1.2m (4') gap between material and the headboard.



- ✓ 14 over the top straps.
- ✓ Anti-slip matting positioned under the timbers.
- ✓ Material positioned 1.2m (4') away from the headboard.
- ✓ Gap between material and headboard blocked with pallets or other suitable form of blocking.



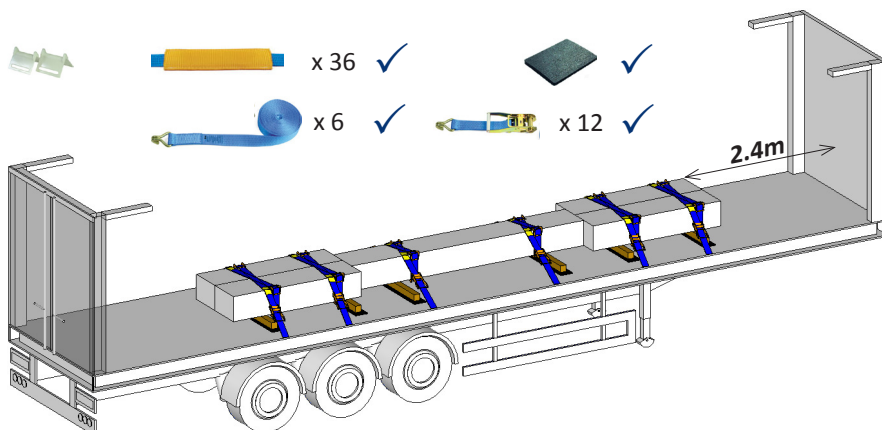
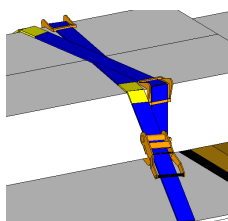
- ✓ 12 over the top straps.
- ✓ Anti-slip matting positioned on both sides of base timbers.
- ✓ Material positioned 3.2m (10'6") away from the headboard.



**Note: Anti-slip matting must be applied to both sides of timbers, otherwise load must be secured with 6 belly-wraps.**

### 1 x 4m bloom + 4 x 2.2m blooms (22.1t)

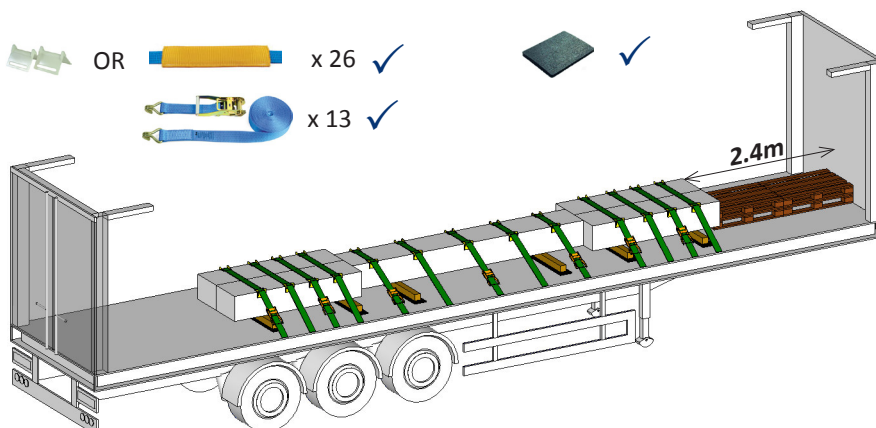
- ✓ 6 belly-wraps.
- ✓ Anti-slip matting positioned under the timbers.
- ✓ 2.4m (8') gap between material and the headboard.



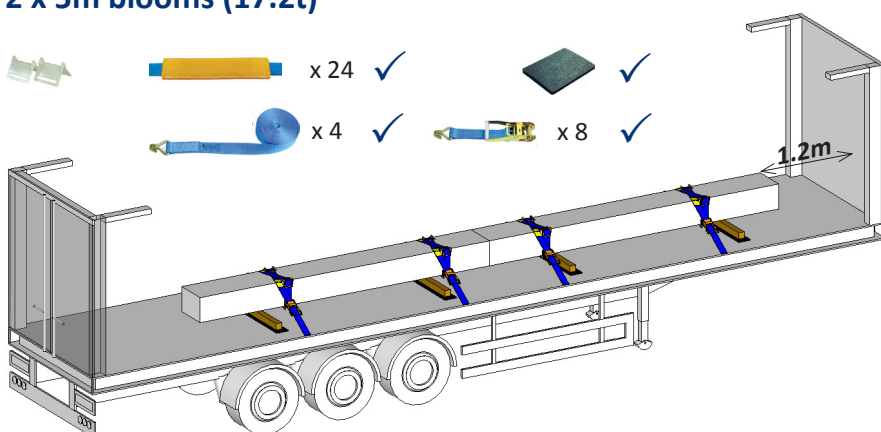
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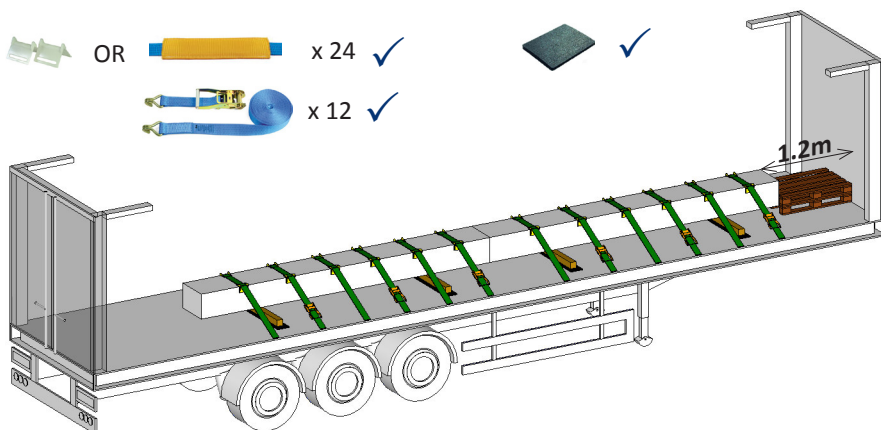
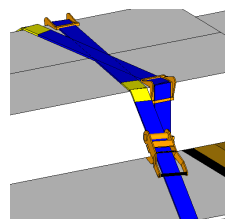
- ✓ **13 over the top straps.**
- ✓ Anti-slip matting positioned under the timbers.
- ✓ Material positioned **2.4m (8')** away from the headboard.
- ✓ Gap between material and headboard blocked with pallets or other suitable form of blocking.



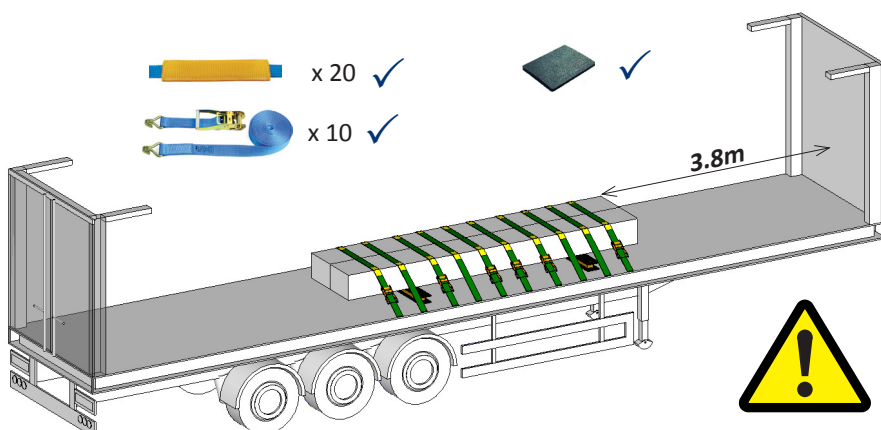
### 2 x 5m blooms (17.2t)



- ✓ **4 belly-wraps.**
- ✓ Anti-slip matting positioned under the timbers.
- ✓ **1.2m (4')** gap between material and the headboard.



- ✓ **12 over the top straps.**
- ✓ Anti-slip matting positioned under the timbers.
- ✓ Material positioned **1.2m (4')** away from the headboard.
- ✓ Gap between material and headboard blocked with pallets or other suitable form of blocking.



- ✓ **10 over the top straps.**
- ✓ Anti-slip matting positioned on both sides of base timbers.
- ✓ Material positioned **3.8m (12'6")** away from the headboard.

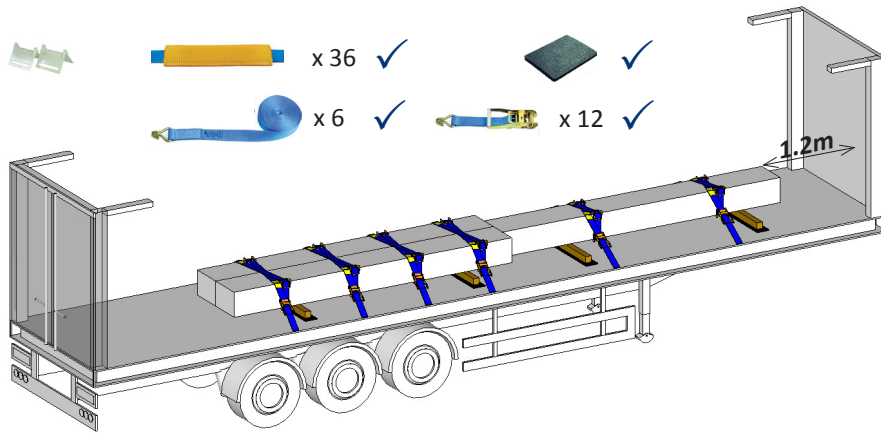


**Note: Anti-slip matting must be applied to both sides of timbers, otherwise load must be secured with 4 belly-wraps.**

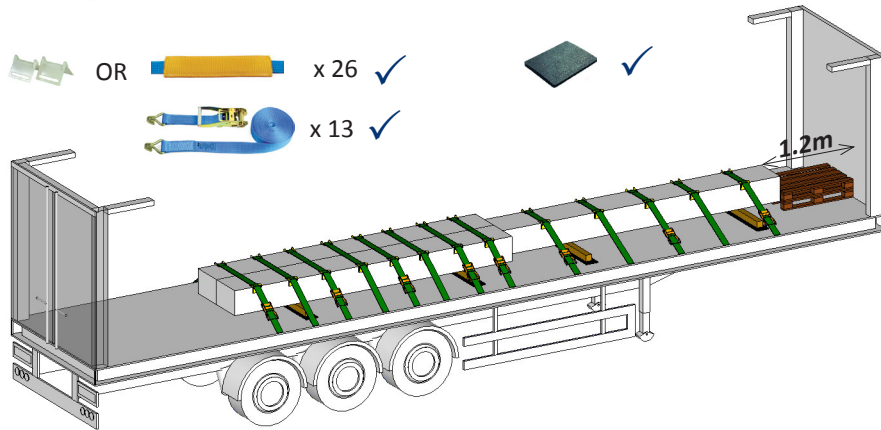
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### 3 x 4.8m blooms (24.7t)



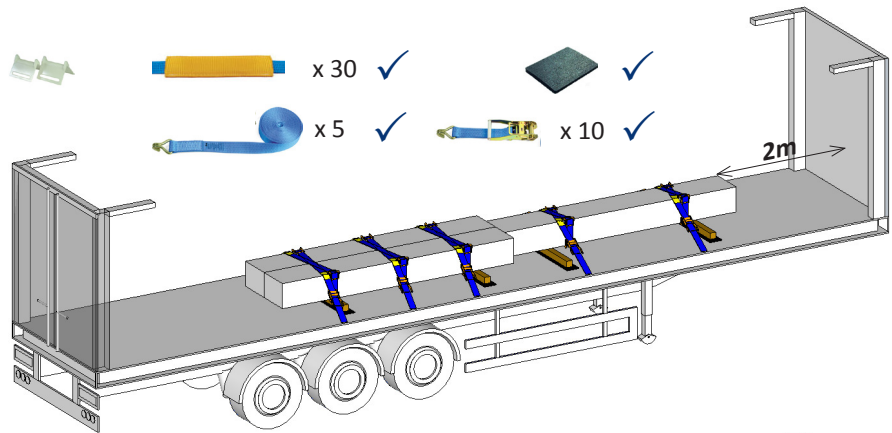
- ✓ **6 belly-wraps.**
- ✓ Anti-slip matting positioned under the timbers.
- ✓ **1.2m (4')** gap between material and the headboard.



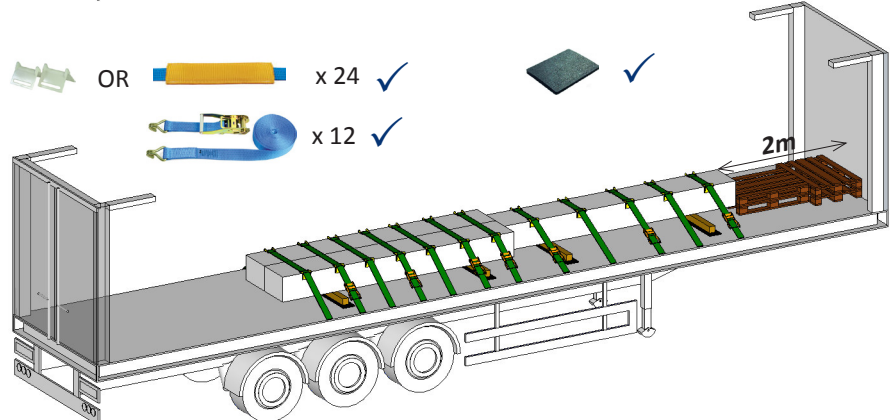
- ✓ **13 over the top straps.**
- ✓ Anti-slip matting positioned under the timbers.
- ✓ Material positioned **1.2m (4')** away from the headboard.
- ✓ Gap between material and headboard blocked with pallets or other suitable form of blocking.

### 3 x 4m blooms (20.6t)

- ✓ **5 belly-wraps.**
- ✓ Anti-slip matting positioned under the timbers.
- ✓ **2m (6'7")** gap between material and the headboard.



- ✓ **12 over the top straps.**
- ✓ Anti-slip matting positioned under the timbers.
- ✓ Material positioned **2m (6'7")** away from the headboard.
- ✓ Gap between material and headboard blocked with pallets or other suitable form of blocking.



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