

LOAD RESTRAINT GUIDELINE

L LRG0108 Brinsworth Slab Using Webbing Straps Issue 1

Partial	UK	Export
✗	✔	✗

Key: ✔ = Covered in this document
 ✗ = Not permitted
 LLRG... = See referenced LLRG

1. This Technical Advice Document applies to

- The transport of slab products to and from the Brinsworth site.
- Engineered trailers with the modified frame and reinforced headboard.

The lowest friction factor determined as per EN 12195-1:2010 Annex B.1.2 is $\mu=0.60$.

2. Essential requirements

- Slab product must be loaded to a maximum of: 3 bundles of 9.3t or 2 bundles of 13.5t evenly distributed across the trailer.
- All restraints must compliant with EN 12195-2.
- Edge protection must be fitted to straps in contact with the product and the trailer.
- The load must be evenly distributed across the frame.
- Load to the headboard where possible, otherwise load as required to achieve correct axle loading. See Technical Information Sheet TIS-0012 **Axle weights and load distribution** for more details.
- Anti-slip matting to be places between load and timber bearers during severe winter weather advisory periods.

3. Load configuration and restraint

3.1 Loaded to the side pins of the frame and up to the headboard.

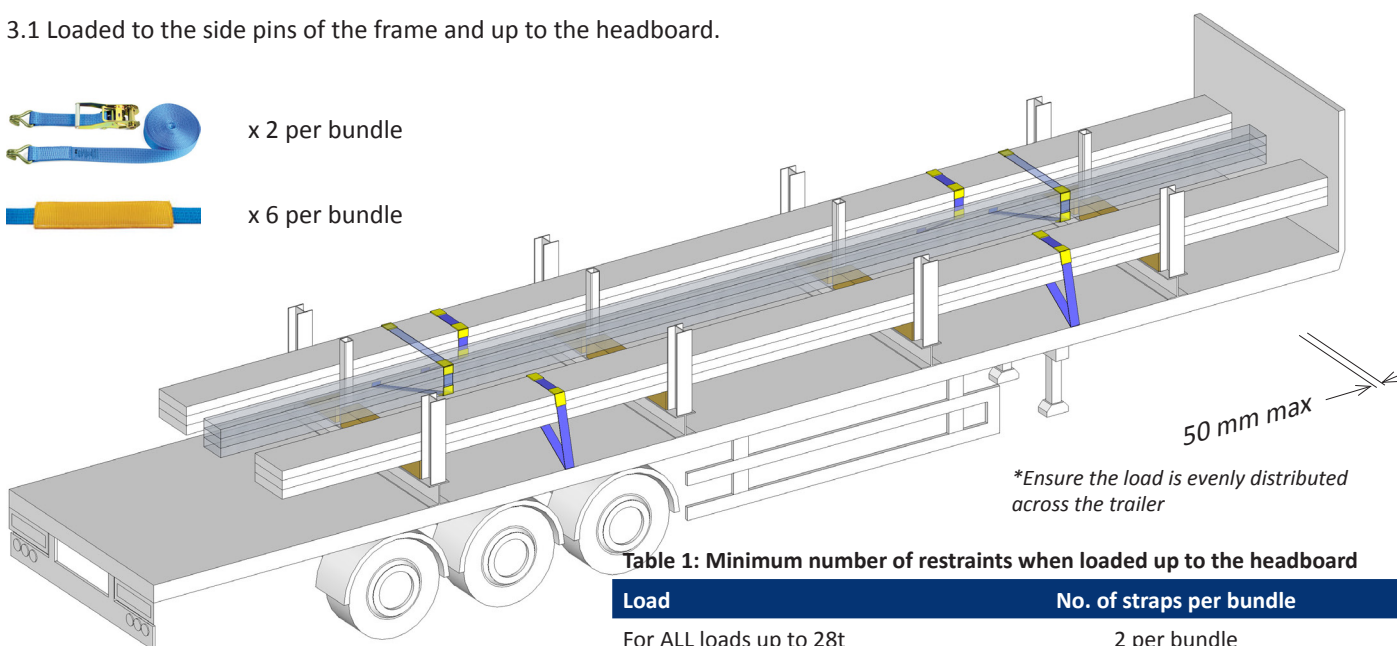


Table 1: Minimum number of restraints when loaded up to the headboard

Load	No. of straps per bundle	
For ALL loads up to 28t	2 per bundle	
During severe winter weather advisory periods	3 per bundle	+ Anti-slip matting

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

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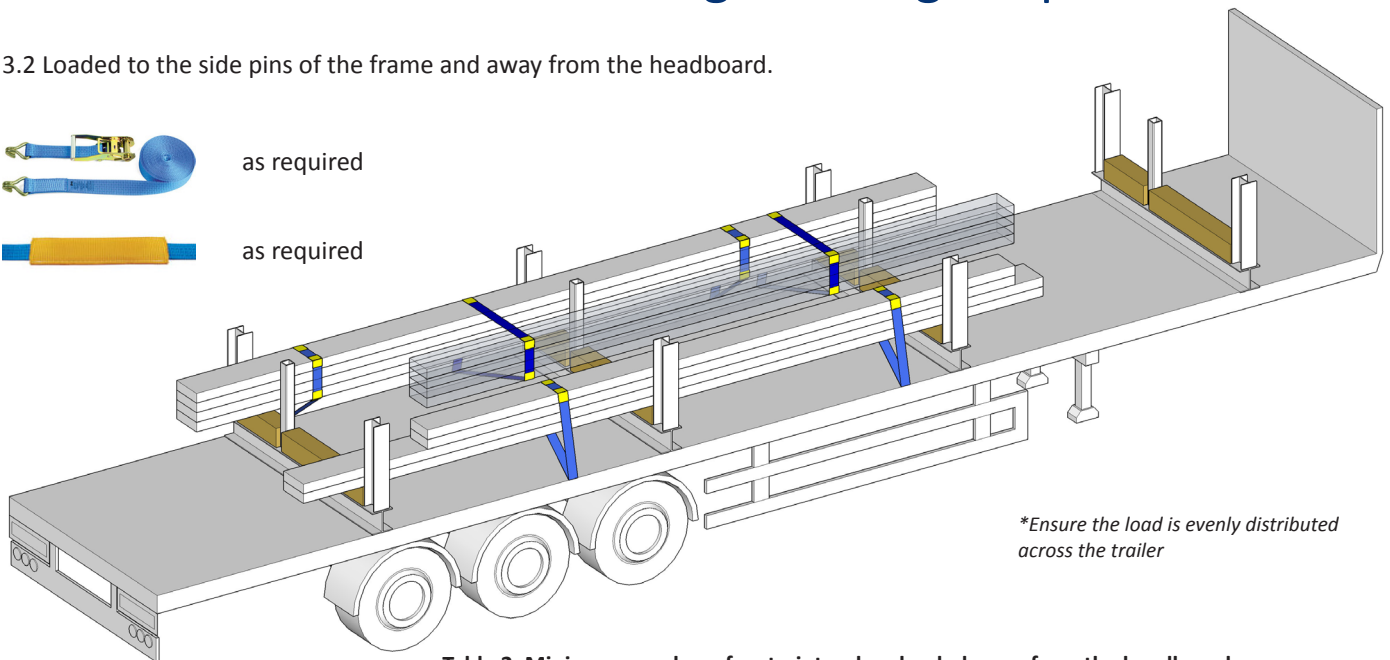
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3.2 Loaded to the side pins of the frame and away from the headboard.



as required

as required



**Ensure the load is evenly distributed across the trailer*

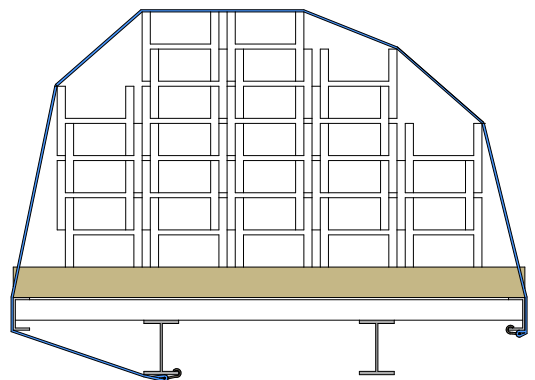
Table 2: Minimum number of restraints when loaded away from the headboard

Load	No. of straps per bundle	
	2500 daN	5000 daN
For bundles up to 9.3t	2	2
During severe weather winter advisory periods	+2 + ASM	+ ASM
For bundles up to 13.5t	3	2
During severe weather winter advisory periods	+2 + ASM	+1 +ASM

**Extra restraining measures must be added to each bundle during severe weather advisory periods*

4. Edge protection

- Suitable edge protection is required at all points of contact between webbing strap and product or trailer.
- Recommended types of edge protection are heavy duty webbing sleeves.



Warning!

It is NOT acceptable to use anti-slip matting as a substitute for edge protection. Conveyor belting and other forms of rubber are NOT acceptable alternatives where Load Restraint Guidelines specify anti-slip matting as they have a significantly lower coefficient of friction.

When severe winter weather warnings in place anti-slip matting of 10mm minimum thickness must be applied between the product and the timber bearers. Also, extra strap requirements as shown in tables 1 & 2 should be adhered to.

Note: While the anti-slip matting is applied, it is necessary to avoid dragging the product across the surface of the anti-slip matting as this will cause the mats to become dislodged or damaged, potentially rendering them ineffective.