

L LRG0112 Narrow Coils in Wooden Cradles Issue 1

Partial	UK	Export
✗	✓	✓

Key: ✓ = Covered in this document

✗ = Not permitted

LLRG... = See referenced LLRG

1. This Load Restraint Guideline applies to:

- Coils with outside diameter (OD) more than 1.5 times sheet width (SW).
- Maximum individual coil weight 5 tonnes.
- Road transport only.
- Coils in cradles loaded eye to the side.

2. Restraint systems for coils side-by-side

Example 1: Restraint systems for separate coils loaded side-by-side

- ✓ Individual coils banded to cradle pallets.
- ✓ 2 coils loaded side-by-side with either:
 - the coil faces touching, or
 - the gap between the coil faces tightly blocked with timbers (as shown below).
- ✓ **2 straps** through the bores - binding the 2 coils tightly together to stop them toppling. Take care not to damage the surface of the coils with the ratchets.
- ✓ **2 restraint straps through the bores.**
- ✓ Edge protection fitted on all corners.



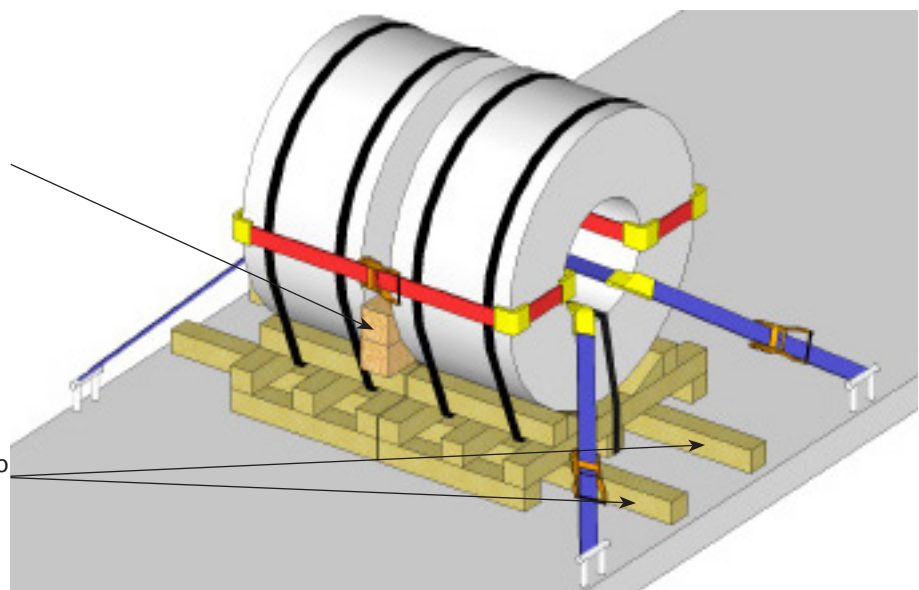
Coil faces must be touching or blocked with timbers.

DO NOT just pack the gap between the pallets and leave an air gap between the coil faces.

NOTE: Combined weight of the coils in a single row must not exceed 8 tonnes.

If practicable use full width timbers to distribute load across the trailer.

Timbers must have the same cross section as base cradle timbers.



NOTE: Outside diameter (OD) must be less than 1.5 times combined coil width otherwise add belly-wrap strap (see Section 3) and reduce combined weight to 5 tonnes.

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Example 2: Restraint systems for coils packaged in pairs and loaded side-by-side

- ✓ Coils banded in pairs on one cradle pallet with timbers between the coil faces, and longitudinal bands holding the pairs together.
- ✓ 2 pairs of coils loaded side-by-side on the trailer with either:
 - the coil faces touching, or
 - the gap between the coil faces tightly blocked with timbers ('T' timbers used in this example).
- ✓ 1 **strap** through the bores - binding the 2 pairs of coils tightly together to stop them toppling.
- ✓ 2 **restraint straps through the bores**.
- ✓ Edge protection fitted on all corners.

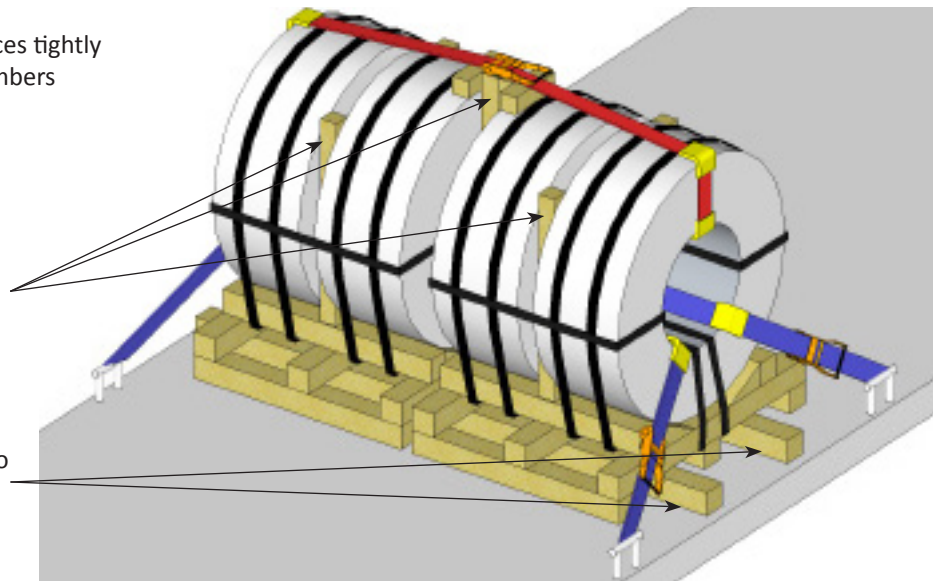


Coil faces must be touching or blocked with timbers.

DO NOT just pack the gap between the pallets and leave an air gap between the coil faces.

If practicable use full width timbers to distribute load across the trailer.

Timbers must have the same cross section as base cradle timbers.



NOTE: Combined weight of the coils in a single row must not exceed 8 tonnes.

3. Restraint system for single coils

NOTE: Narrow coils can be loaded in single coil configuration only when creating pairs is not possible e.g. odd number of coils on the load.

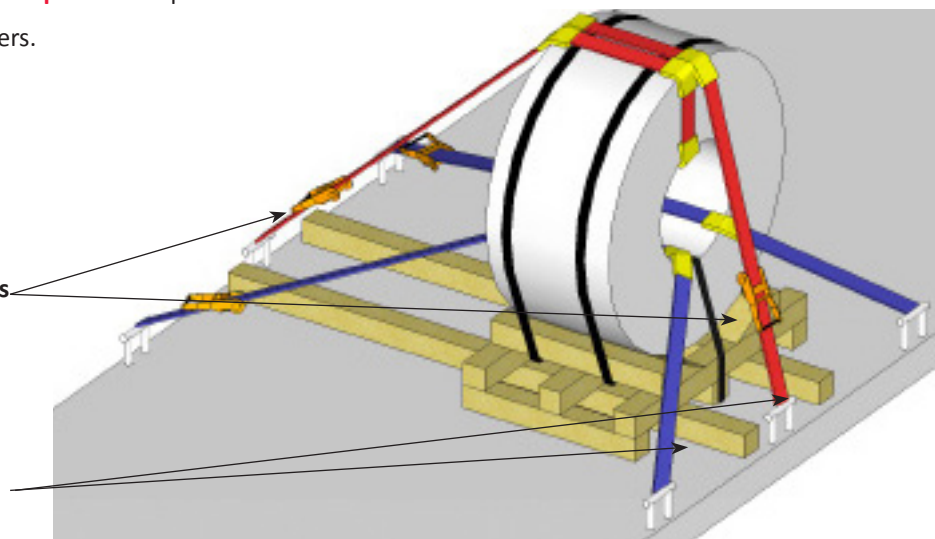
- ✓ Banded to cradle pallet - including a band through the bore and around the pallet.
- ✓ 2 **bore straps** + 1 **belly-wrapped strap** around top of coil **with a ratchet on each side**.
- ✓ Edge protection fitted on all corners.



Ratchet in both legs of the **belly-wrap strap** to ensure both sides tension up sufficiently.

Full width timbers **must be used** to distribute load across the trailer.

Timbers must have the same cross section as base cradle timbers.



NOTE: Outside diameter (OD) must be less than 3 times sheet width (SW).

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