

1. This Technical Advice Document applies when:

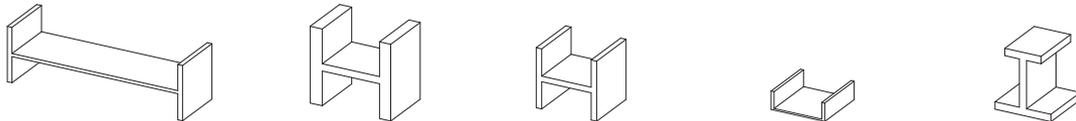


- Air temperature is below 3°C and there is a risk of frost, ice or snow.

Note: Testing has shown that friction coefficients of steel products can be reduced by as much as 50% in freezing conditions. This means that extra restraints are needed to make loads safe when there is a risk of ice.

This Technical Advice Document covers the following product:

- Sections loads, including mixed product 'fabricator' loads.



2. Essential requirements

- Trailers must be clear of debris, snow and ice.
- Do not load above the height of the trailer headboard.
- All restraint equipment must be inspected before use and be in good condition - see relevant Technical Information Sheets for Timber dunnage, Transport chains and tensioners, and Belly-wrapping.
- All chains must be 8mm minimum and be compliant with EN 12195-3 (Grade 8 chain).

3. Winter weather alert

Throughout the winter period a system will be in place to notify hauliers and British Steel despatch points of the risk of freezing conditions.

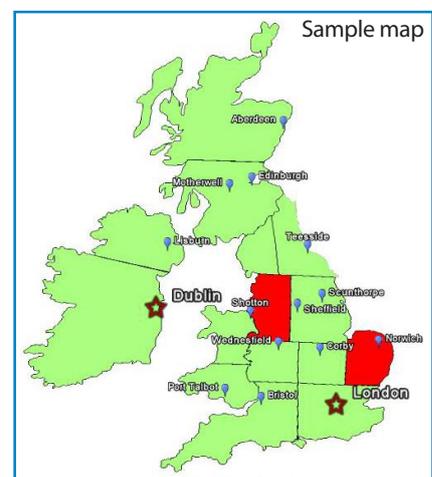
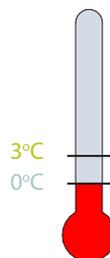
Regions of the UK will be deemed **Red Flag** restraint areas for a period of 24 hours if there is a risk of ice forming on the load. These regions will be coloured **red** on a map sent out daily to all despatch points and hauliers.

Loads despatched from or transiting the **Red Flag** regions will require the restraints identified in this document.

Note: It is the driver's responsibility to apply the winter weather restraints when the load transits a region identified as Red Flag, or conditions deteriorate at the loading point or en-route and there is a risk of ice forming on the load.



Risk of ice



4. Loading and restraint requirements

- ✓ Use dry timbers where possible.
- ✓ Follow Load Restraint Guideline LRG-0002-SS for load configuration requirements.
- ✓ See tables below for restraint requirements according to capacity of chain and weight of load.
- ✓ Side pins fitted.

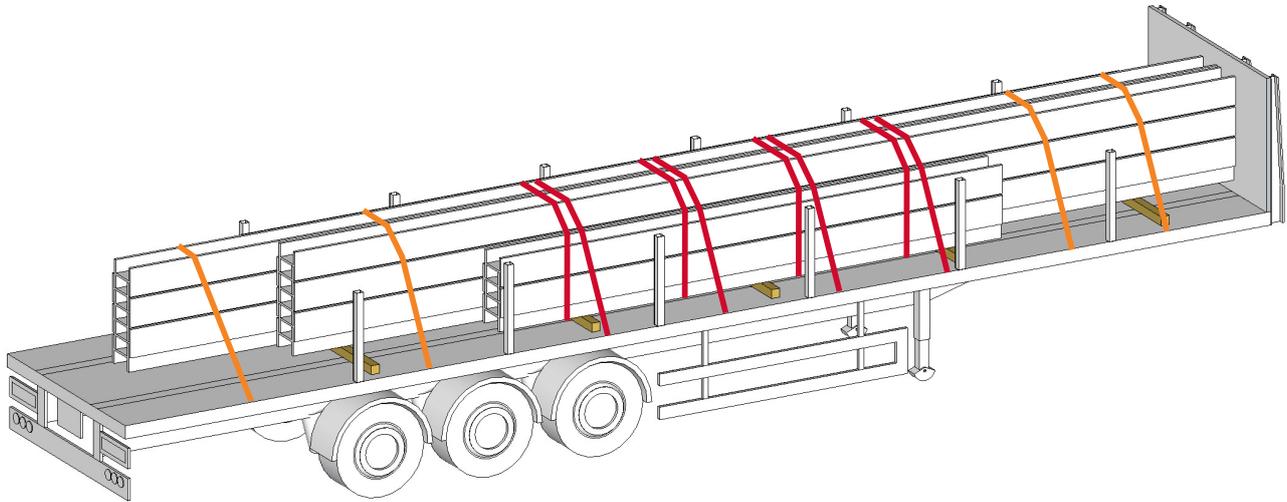


Illustration is for a full load restrained using 8 mm transport chain (LC 40 kN).

Table 1: 8mm chains (4-tonne lashing capacity)

Load	Belly-wrap		Over-the-top		Total
0-10 t	4	+	0	=	4
10-15 t	4	+	1	=	5
15-20 t	4	+	2	=	6
20-25 t	4	+	3	=	7
25-28 t	4	+	4	=	8

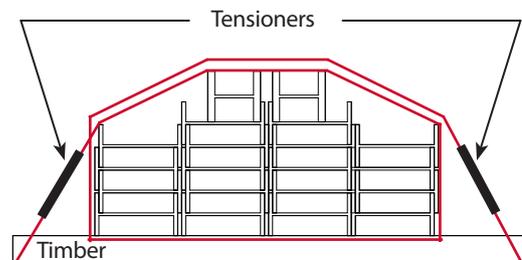
Table 2: 10mm chains (6.3-tonne lashing capacity)

Load	Belly-wrap		Over-the-top		Total
0-10 t	3	+	0	=	3
10-15 t	3	+	0	=	3
15-20 t	3	+	1	=	4
20-25 t	3	+	2	=	5
25-28 t	3	+	3	=	6

Belly-wrapping

See Technical Information Sheet on Belly-wrapping for more detail.

Longer chains may be required in order to apply a belly-wrap. Alternatively, two chains may be connected together provided the chains have suitable end attachments.



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