

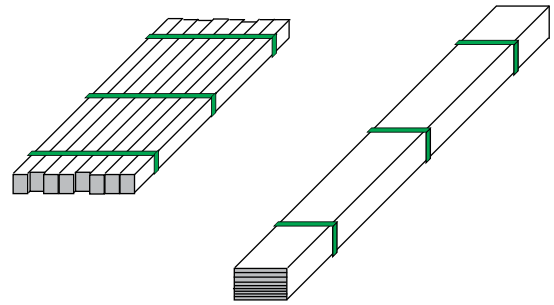
Load Restraint Guideline

Packs of Short Billets & Narrow Plate

WP

1. This Guideline applies for:

- Packs of Short Billets, typically 2 metres long, 150mm high x 115-165mm wide, strapped in bundles 6-8 wide; and
- Packs of Narrow Plate, typically 180mm to 300mm wide x up to 6 metres long.



2. Essential Requirements

- ✓ Hardwood dunnage 100mm x 100mm on base and a minimum 75mm x 75mm between all layers.
- ✓ **One 8mm transport chain per 4.5 tonnes of steel.**
- ✓ Minimum 2 chains around every stack of packs.
- ✓ **Chains must be belly wrapped** around either:
 - Whole Load (Best Option) or
 - Top Layer - provided top layer clamps the base layer of product.
- ✗ Webbing straps must not be used for belly wrapping of these products.

Some sagging of the chains under the bundles is OK, but chain must not touch the deck or lower bundles. Tighten chains by "dogging" both sides if necessary.

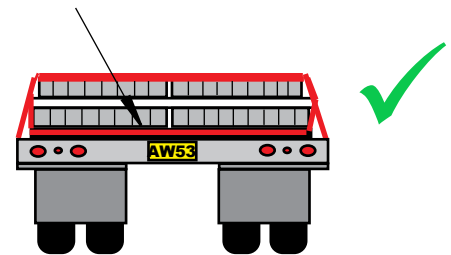


Fig. 2.1 Belly wrapping around the whole load is the best option.

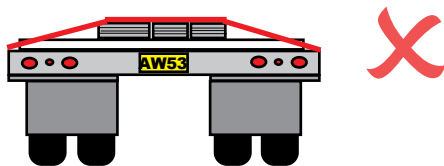


Fig. 2.2 Belly wrapping is necessary because most of these loads are very low on the deck and ordinary "over the top" chains will not provide enough downward clamping.

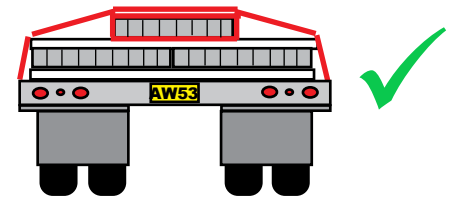


Fig. 2.3 Drivers may belly wrap just the top layer if load is a pyramid

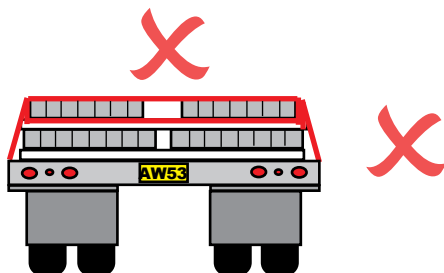


Fig. 2.4 Large gaps (greater than 30mm) between bundles may allow the chain to loosen. Load bundles tightly.

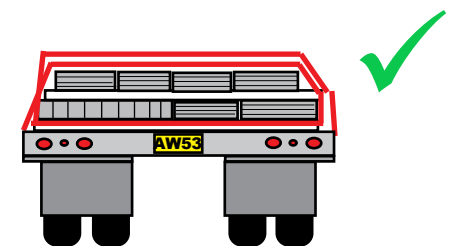


Fig. 2.5 Multiple bundles may be carried side by side, using belly chaining

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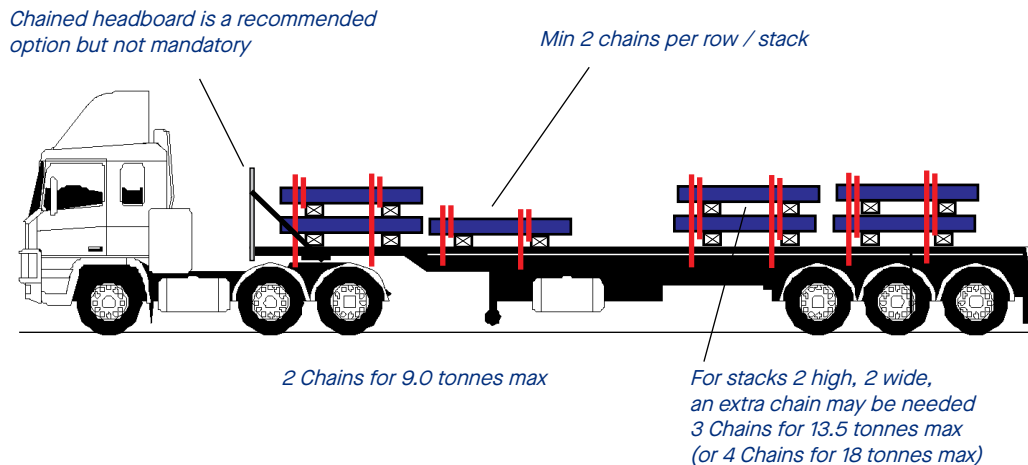
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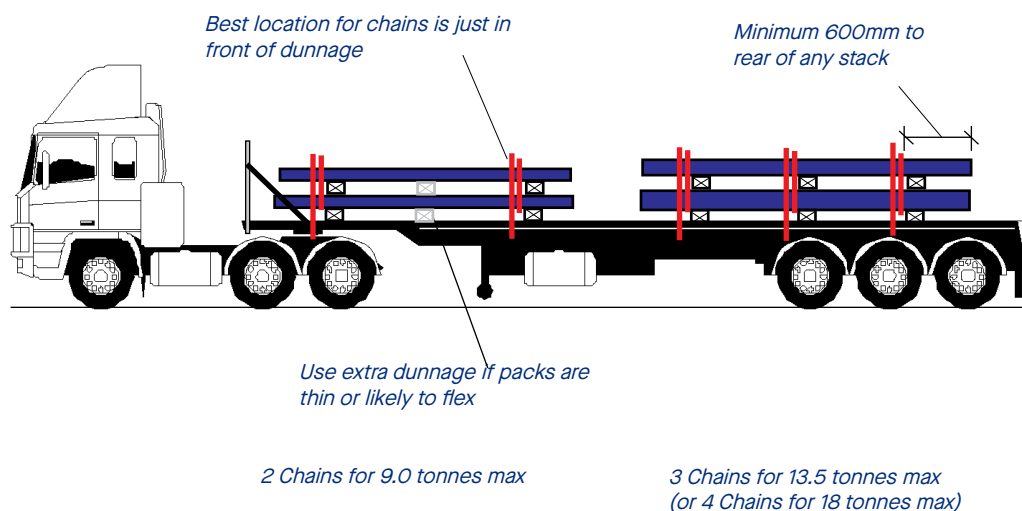
3. Typical Loads

Note that actual loading arrangements will vary with product configurations. These diagrams are only indicative examples.

3.1 Short Billets



3.2 Narrow Plate



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