

Load Restraint Technical Advice

TRU-SPEC® Low Friction LVL Dunnage

TS

Load Restraint Advice for:

- TRU-SPEC® steel on rubberised LVL dunnage with a lower than standard coefficient of friction, which is indicated by pink coloured dunnage ends or easily visible labelling, and;
- Wrapped in VCI Quad-paper that is transported by road with a minimum sheet width of 700 mm and a maximum sheet width of 1550 mm, and;
- Any stack containing one or more of these packs.

Certification:

This load restraint system has been certified as meeting the Performance Standards in the NTC's Load Restraint Guide (3rd edn, 2018) by the Transport Safety Manager, RPEng (1465).

Essential Requirements:

- This advice is used in conjunction with all the requirements specified in LRG153-TU Issue 3 except for the following:
 - Load Restraint Requirements (Table 1).
 - Applies to any stack with one (1) or more low friction packs.
 - All stacks **MUST** have 2 belly wrapped chains. (Refer to Fig.3.)
 - All belly wrapped chains must be secured with two binders per chain (one each side).
 - Uneven length packs requiring an extra chain will require this chain to be also belly wrapped using two binders.
 - Ensure product is protected from chain on all corners.
 - Load Chokers may be used in place of belly wrapped chains.

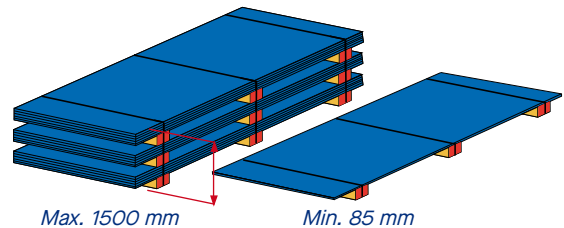


Fig.1. TRU-SPEC® steel packs covered in VCI Quad-paper strapped to rubber LVL dunnage.

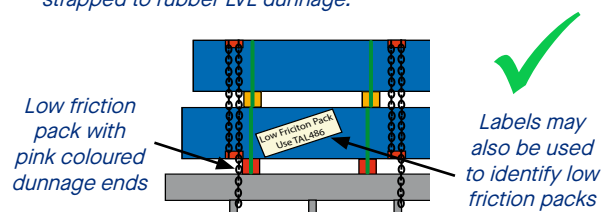


Fig.2. Low friction packs are marked by dunnage with pink coloured ends and/or easily visible labelling on both sides.

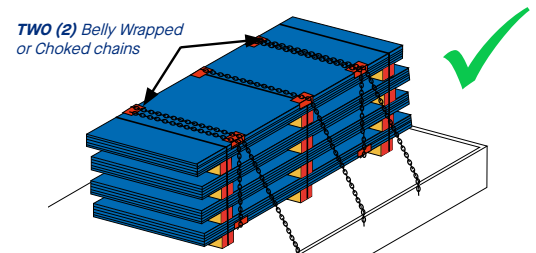


Fig.3. All stacks **MUST** have two (2) belly wrapped chains with binders on both sides.

4. Load Restraint Requirements

Table 1. Number of Restraints (Friction $\mu_s = 0.39$)

Stack Weight (Tonnes)	No. of Chains Required - Minimum 2 chains to be Belly Wrapped		
	Stack Height 85 - 500 mm	Stack Height 500 - 1000 mm	Stack Height 1000 - 1500 mm
0.0 to 5.0	3	2	2
5.0 to 10.0	6	3	3
10.0 to 15.0	8	5	4
15.0 to 20.0	11	6	5
20.0 to 25.0	13	8	6

Design Parameters: Restraint System - Combined (tensions with load shift to 3T), Friction - Static = 0.398 / Dynamic 0.318

"This system is not certified to meet any other standards or for any other purpose. This certification only applies when this system is used in the circumstances detailed within, complied with in all respects and under ordinary driving conditions. Reasonable care must be exercised by the driver and other relevant persons as to the applicability of this system in the particular circumstance and to take additional precautions where those particular circumstances could not have been contemplated by BlueScope in drafting the System. BlueScope Steel does not accept any liability for the incorrect use of this system. Compliance with this system does not relieve the driver or other relevant persons from meeting their own obligations under the Heavy Vehicle National Law or the law generally. The contents of this system is confidential to and the property of BlueScope Steel and you may only use this system with permission from BlueScope Steel."