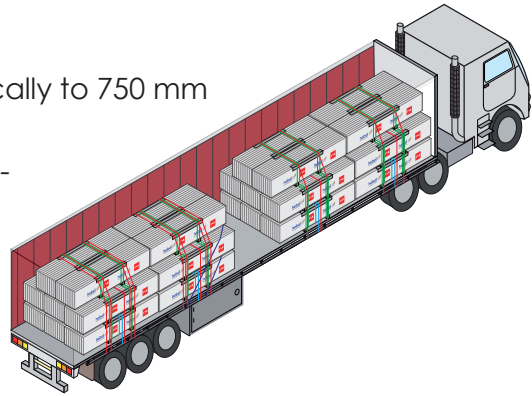


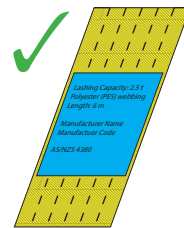
This Guideline is:

- For standard loads of Hebel panels strapped vertically to 750 mm timbers pyramid stacked in groups of 8 packs.
- The loader and driver guide to certification E00754-LRC1 to meet the loading performance standards listed in Schedule 7 of the Heavy Vehicle (Mass, Dimension and Loading) National Regulation (1 November 2024).
- For restraint system specifics refer to E00754-LRG1

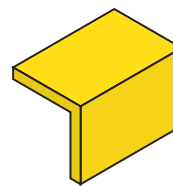


Key Elements

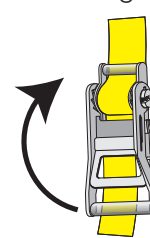
- ✓ Minimum 50 mm webbing lashings fully tensioned.
- ✓ Corner protection may be required for product protection. Corner protection is installed on panel packs.
- ✓ Freight must be suitably packaged to meet the performance standards. Any damaged packaging must be replaced.
- ✓ All restraint equipment must be in good working order.
- ✓ Panels must be blocked to within 100 mm from the primary blocking device (eg headboard) or within 50 mm of other product stacks already blocked forwards or cross over lashings must be used.
- ✓ The blocking capacity of a set of 50 mm webbing cross over lashings is **12.8 tonne** with the webbing lashing at a maximum angle of 45° from the horizontal.



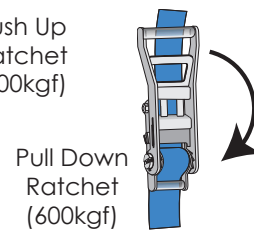
50 mm webbing lashings



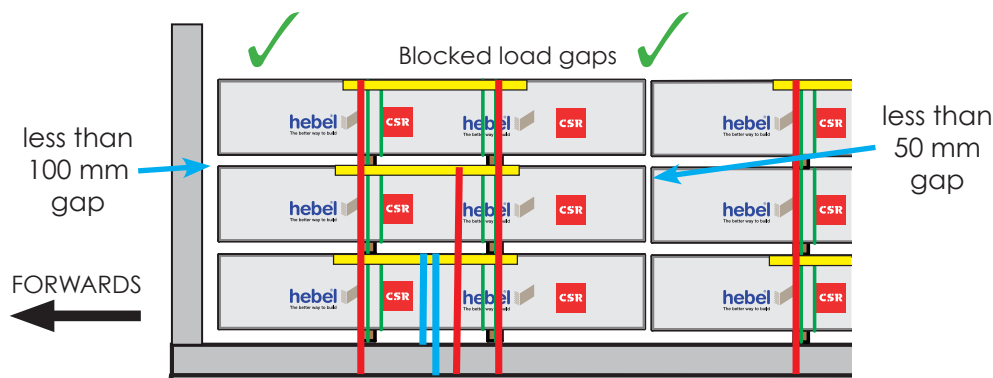
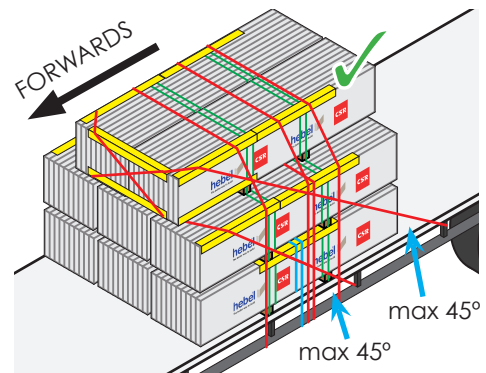
Corner protection



Push Up Ratchet (300kgf)



Pull Down Ratchet (600kgf)



Engistics has developed this guideline to comply with the relevant standards and legislation, however it remains the responsibility of the user to ensure that the methods used are adequate for a particular situation. Additional requirements may be necessary under some conditions. Engistics makes no warranty as to the use of this guideline in all circumstances (other than as shown or described within). The information contained in this guideline is confidential to and remains the property of CSR Building Products and Engistics. Any changes to this guideline must be approved by Engistics.

Restraint System

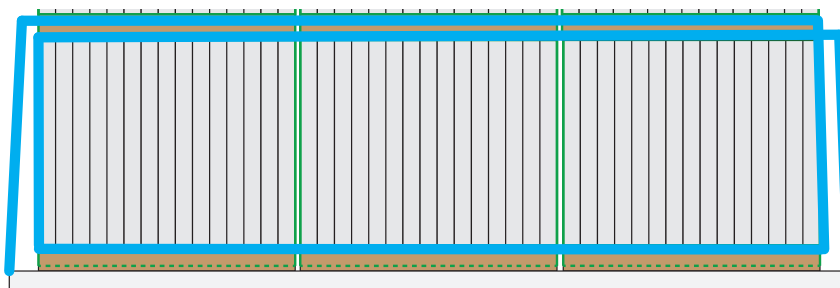
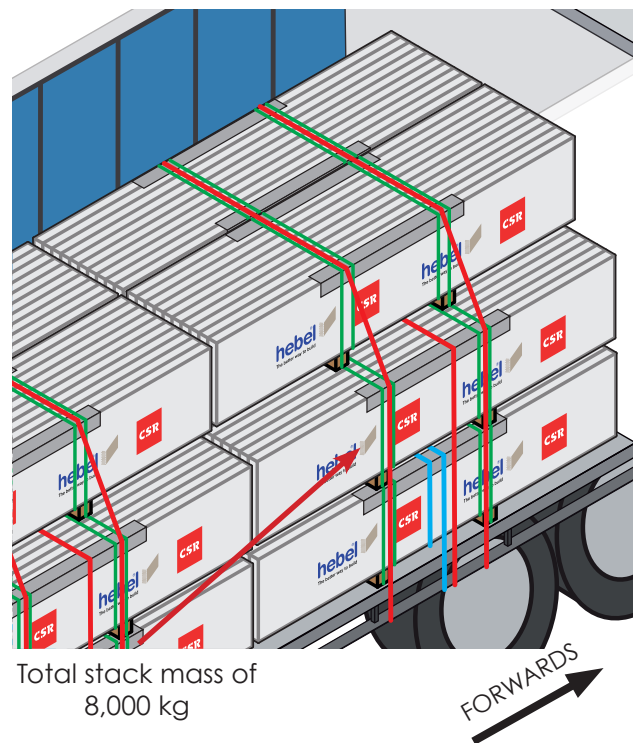
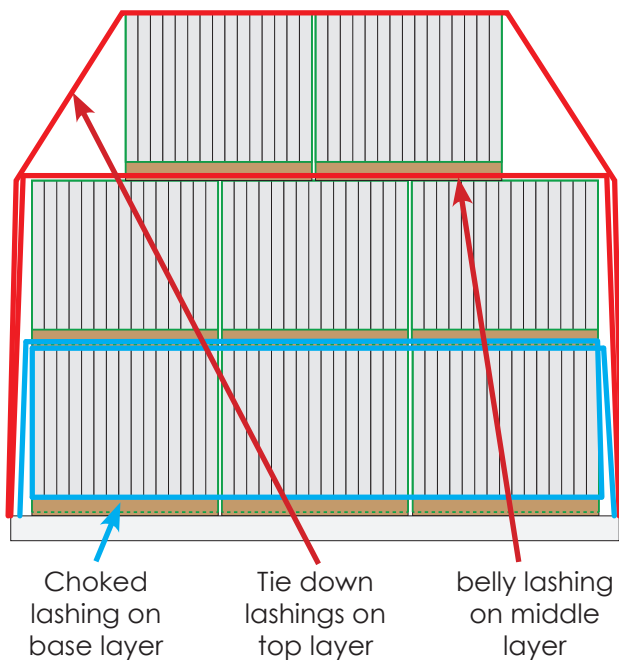
- ✓ This system is suitable for maximum panel pack mass of 1,000 kg and a total stack mass of 8,000 kg.
- ✓ The stack must be arranged in a standard pyramid stack with 8 panel packs in each stack.
- ✓ The middle layer of the stack will require a single belly lashing to be installed.
- ✓ For further details around other Hebel products and specifics restraint information refer to E00754-LRG1.
- ⚠ The **base layer** of the stack will require **one** of the following **three (3)** options:

Option 1: Choked Lashing

- ✓ The base layer option 1: the stack will require a single choke lashing to be installed to unitise the base layer together.

Loading and lashing arrangement for standard 8 pack stack

Blocked stack against a headboard

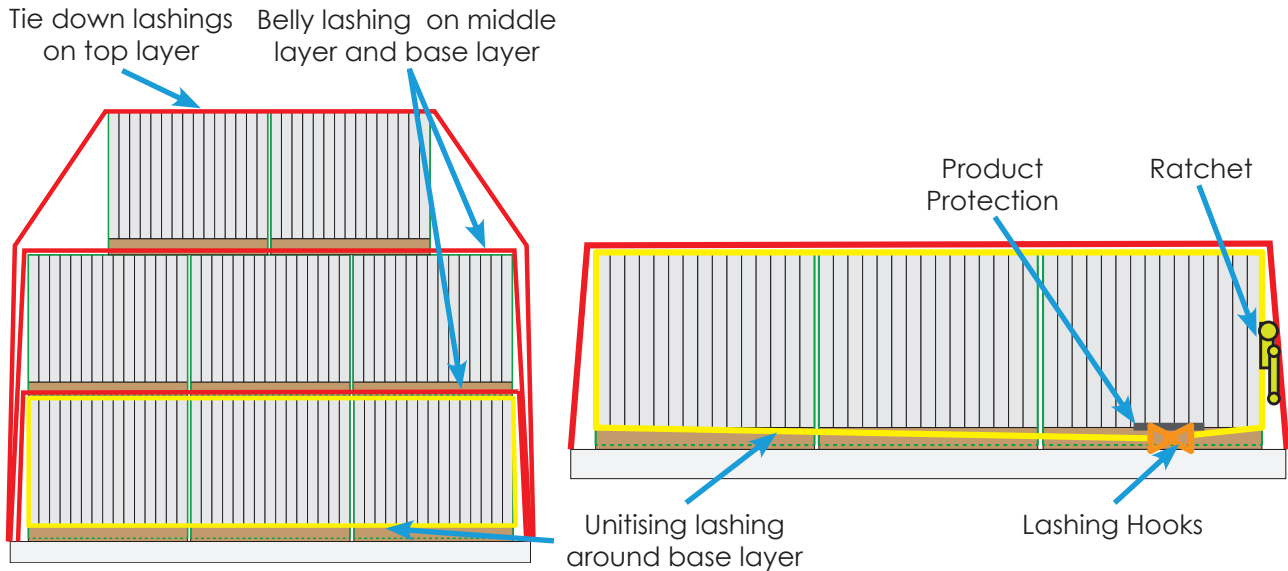


Choked lashing are to be installed on the base layer

Hebel Panel continued

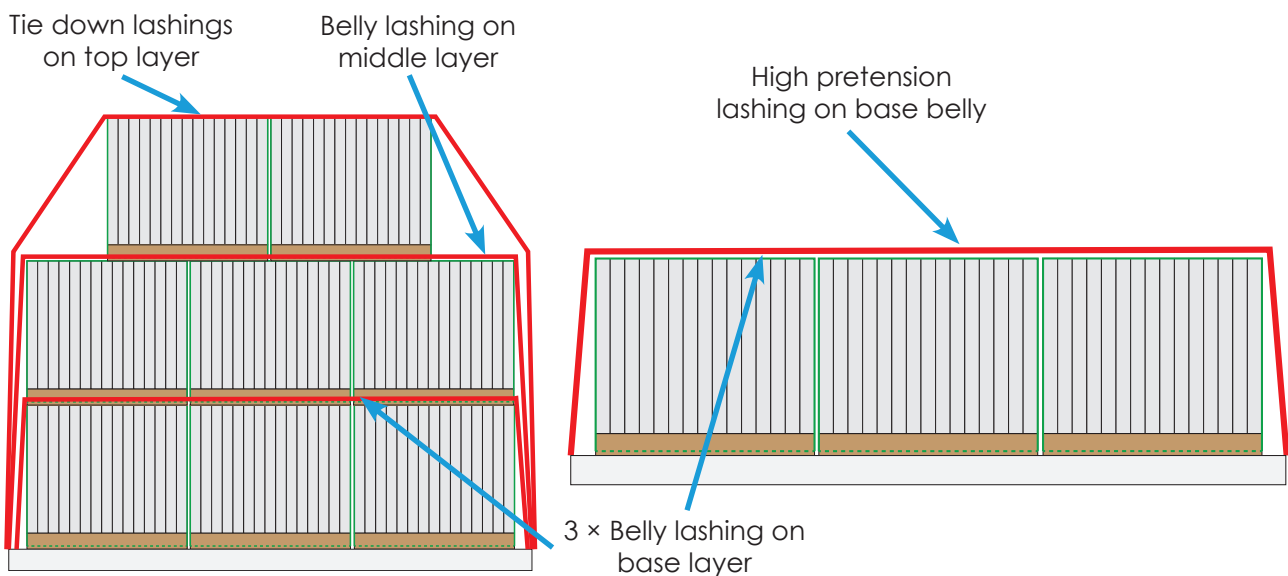
Option 2: Unitising and Belly Lashings

- ✓ The base layer option 2: will require a unitising lashing around the base layer AND a belly strap lashing over the base layer.



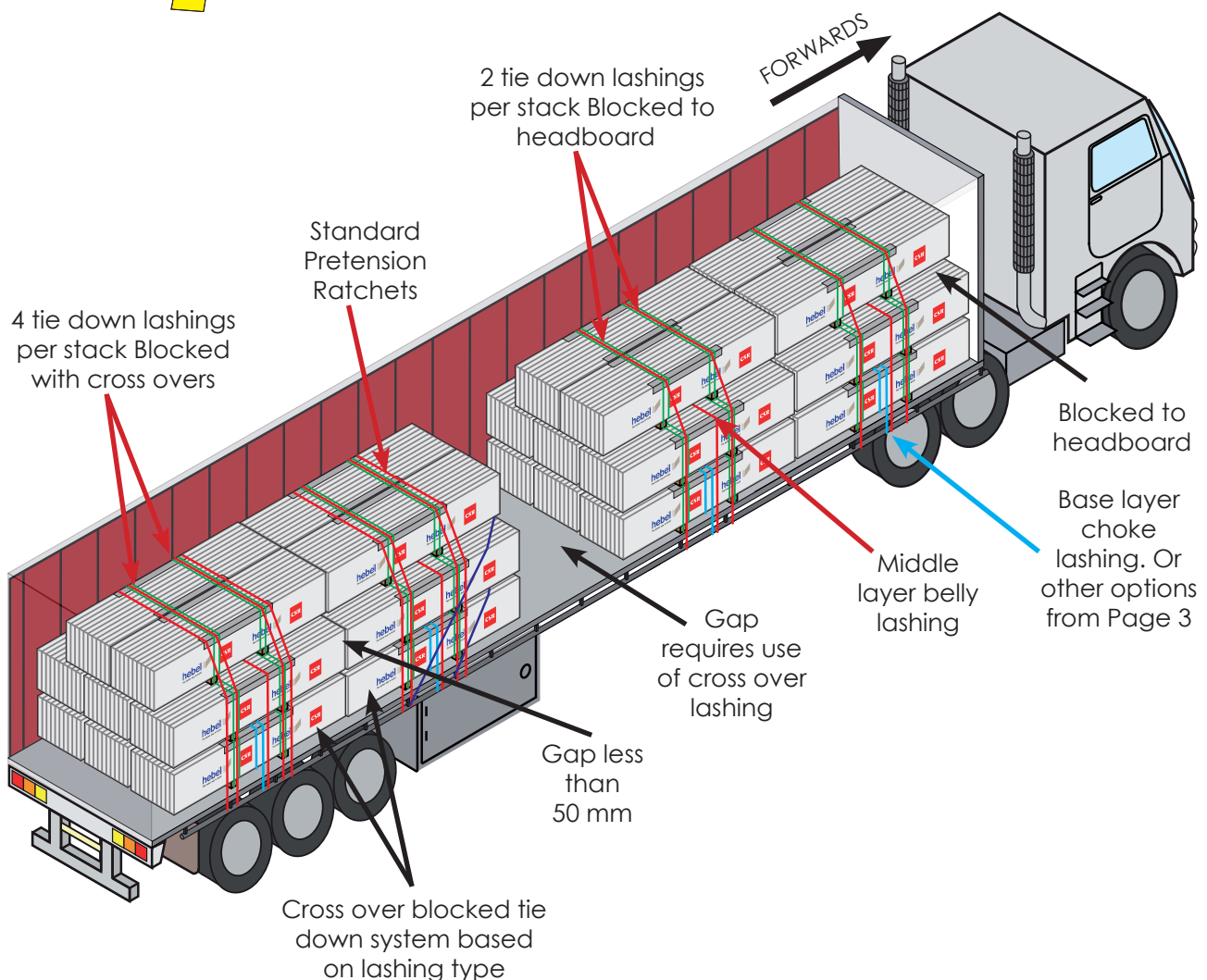
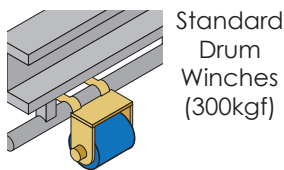
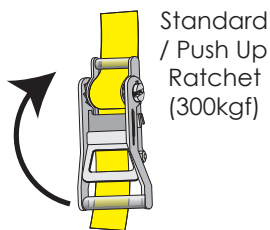
Option 3: Additional Belly Lashings

- ✓ The base layer option 3: will require three (3) **high pretension** belly strap lashings over the base layer.



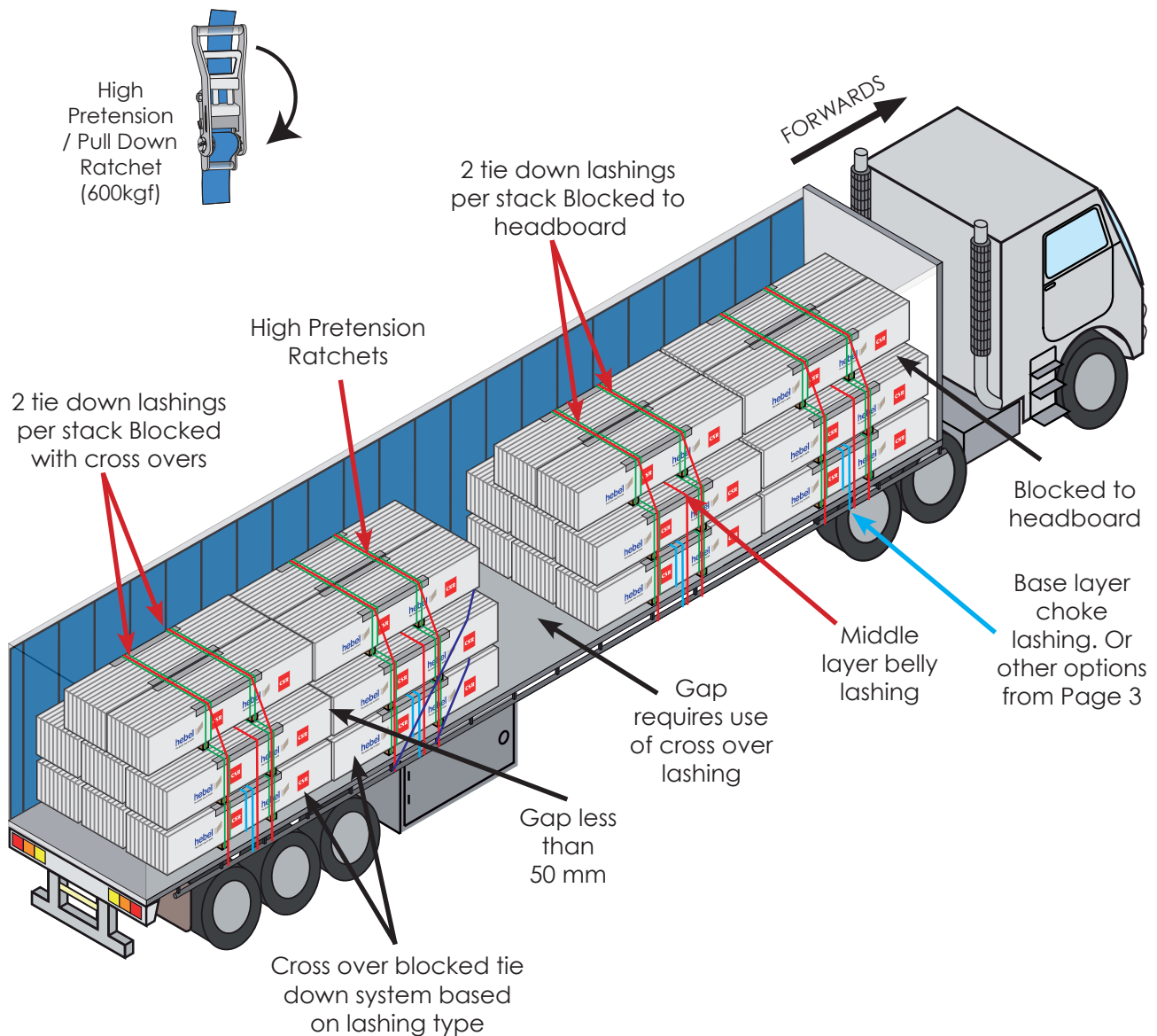
Restraint System Cont. (Standard Ratchet)

- ✓ Stacks blocked to the **headboard** or panels blocked to the headboard will require at least 2 standard or high pretension over the top tie down lashings.
- ✓ Stacks being restrained forwards by **cross over** on the second layer or panels blocked to the cross over panels will require the following on top of the lower and middle layer lashings:
- ✓ When using standard (push up) ratchets or drum winches, 4 over the top lashings are required.



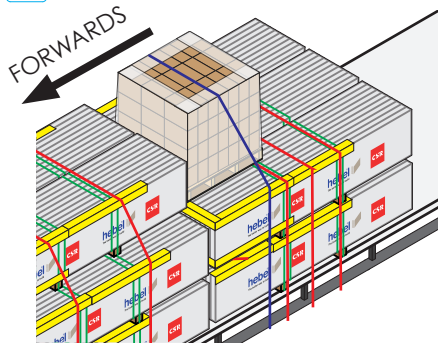
Restraint System Cont. (High Pretension Ratchets)

- ✓ Stacks blocked to the **headboard** or panels blocked to the headboard will require at least 2 standard or high pretension over the top tie down lashings.
- ✓ Stacks being restrained forwards by **cross over** on the second layer or panels blocked to the cross over panels will require the following on top of the lower and middle layer lashings.
- ✓ When using high Pretension (pull down) ratchets, 2 over the top lashings are required.

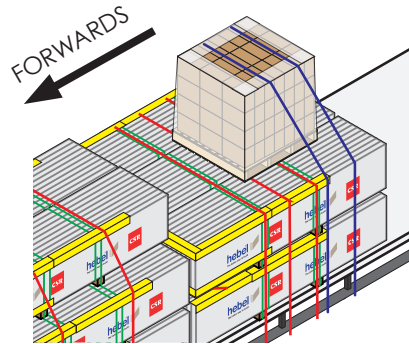


Accessory Pallets

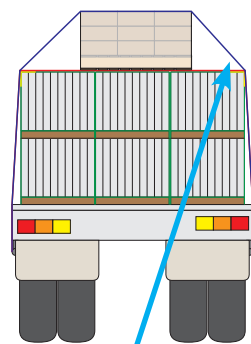
- ✓ To be considered blocked, the sum of total gaps must be less than 200 mm.
- ✓ Centrally load pallets across the trailer / panels.
- ✓ The lashing angle must be at least 30°.
- ✓ Blocked accessory pallets require one webbing strap, up to a maximum 1200 kg.
- ✓ Unblocked accessory pallets require two webbing strap, up to a maximum 600 kg.
- ⚠ Accessory packs must have restraint applied separately to other product.



Blocked pallets require 1 webbing strap up to 1200 kg



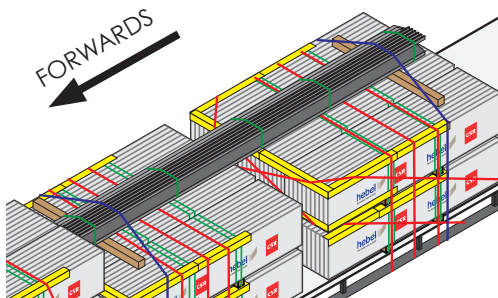
Unblocked pallets require 2 webbing strap up to 600 kg



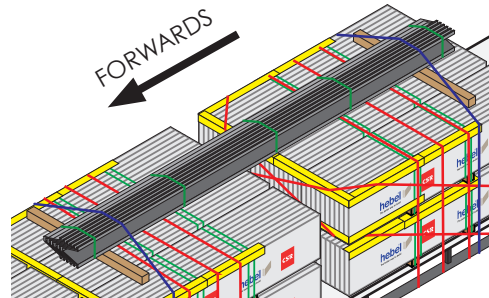
Lashing Angle for top pallets

Top Hats

- ✓ Top hats must be packaged together to withstand the transport forces experienced.
- ✓ Load packs of top hats on timber dunnage.
- ✓ Top hats must have a minimum of two webbing straps over the load.
- ✓ The lashing angle must be at least 15°.
- ✓ Top hats require two webbing straps, up to a maximum 300 kg.
- ⚠ Top hats must have restraint applied separately to other product.



To hats require a minimum of two webbing straps over the load



Two webbing straps are suitable for 300 kg of top hats