M9203-126

GSH Container Operating Quick Guide

1. INTRODUCTION

The GSH is a 25' long curtain side container. It is fully intermodal and can be top lifted or swing lifted when loaded with cargo. The containers are fitted with a double-skinned curtains on each side with tensioners on the left-hand side of the curtain.

GSH containers are fitted with tie rails which can be used for attaching load securing devices.

GSH containers have CSC compliance.

2. SPECIFICATIONS

	GSH - Gen 1 (GSH101 – GSH2299)	GSH - Gen 2 (GSH2300 – GSH3380)
• Tare Weight	3,620 kg	3,620 kg
• Max payload	28,380 kg	28,380 kg
• Gross weight	32,000 kg	32,000 kg
• Volume	48.4 m^3	48.4 m^3
• Length	7,600 mm	7,600 mm
• Width	2,500 mm	2,500 mm
• Height	2,896 mm	2,896 mm
• Internal length	7,494 mm	7,494 mm
• Internal width	2,490 mm	2,490 mm
• Internal height	2,597 mm	2,597 mm
• Side opening width	7,300 mm	7,300 mm
• Side opening height (under pelmet)	2,418 mm	2,418 mm

CRITICAL SAFETY ITEMS

- Ensure all loads are secured in accordance with relevant New Zealand Road and Rail regulations.
- Caution when opening curtains, as load shift may have occurred in transit.
- Keep clear of the top part of the buckle which opens outwards towards you when you push the trigger.
- Ensure curtains are tensioned and all straps attached and tightened prior to transport.
- If the container is damaged, notify KiwiRail Container Asset Team at containermaintenance@kiwirail.co.nz, or Linehaul Service Manager (LSM) if URGENT

3. HANDLING AND STACKING

Forklift	Forklift pockets are not provided.
Top lift	Can be top lifted full or empty at the 25’ top corner fittings vertically by means of spreaders fitted with hooks, shackles or twistlocks.
Swing lift	Can be swing lifted full or empty. Use only swing lift capable of adjusting for 7.6m containers, at end of bottom corner fittings.
Rail transport	Use 20’ (5,853mm) spaced corner fittings. (Figure 1)
Road transport	Use any 20’ (5,853mm) spaced combination of corner fittings, or the 25’ spaced corner fittings.
Stacking	Do not stack more than two in total high when loaded. Do not stack more than four in total high when empty.
Spacing on ground	A gap of at least 300mm from curtains must be maintained from adjacent containers or objects to protect the curtains. (Figure 2)

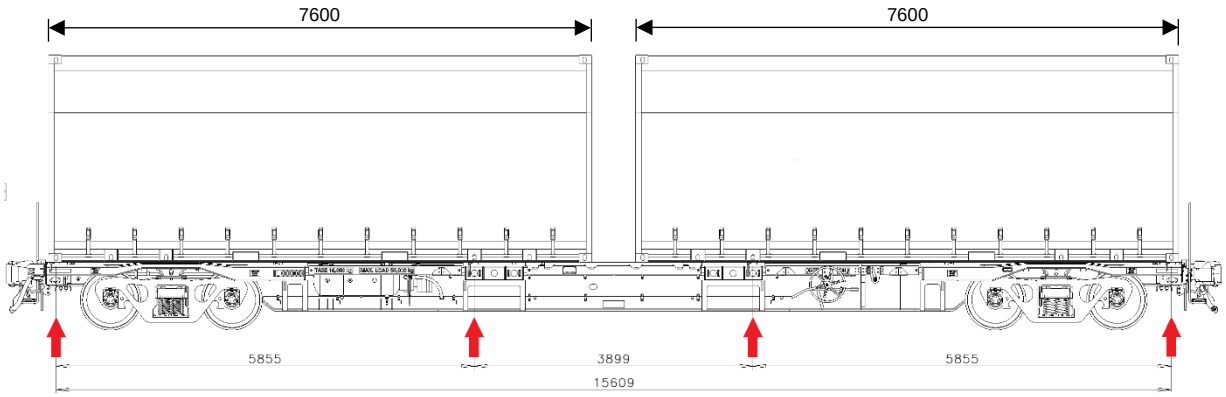


Figure 1 - Wagon Loading

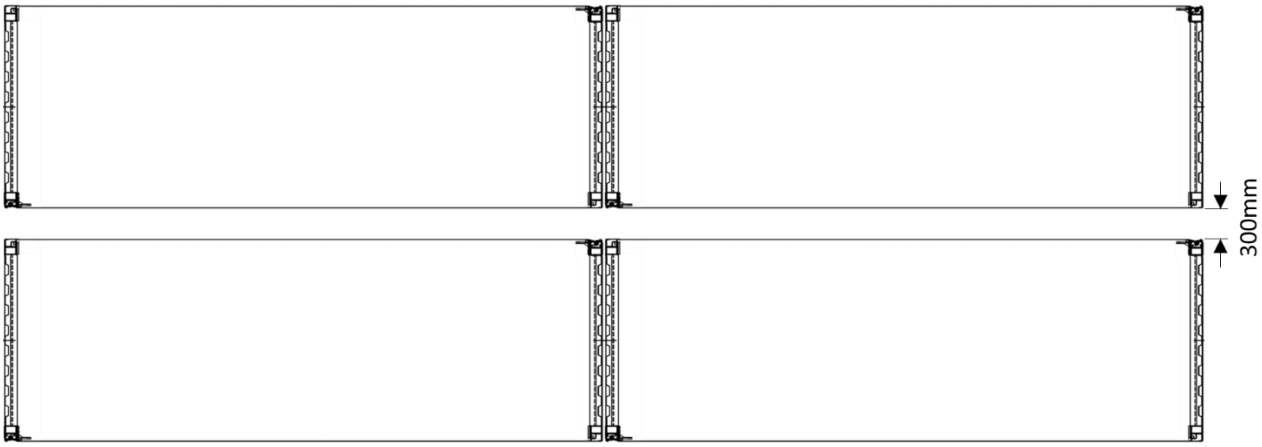


Figure 2 - Container Spacing

4. PALLET ARRANGEMENT

GSH Containers are designed to suit international pallet dimensions of 1000mm x 1200mm. A maximum of 14 pallets can be loaded into the container arranged as per sketch below;

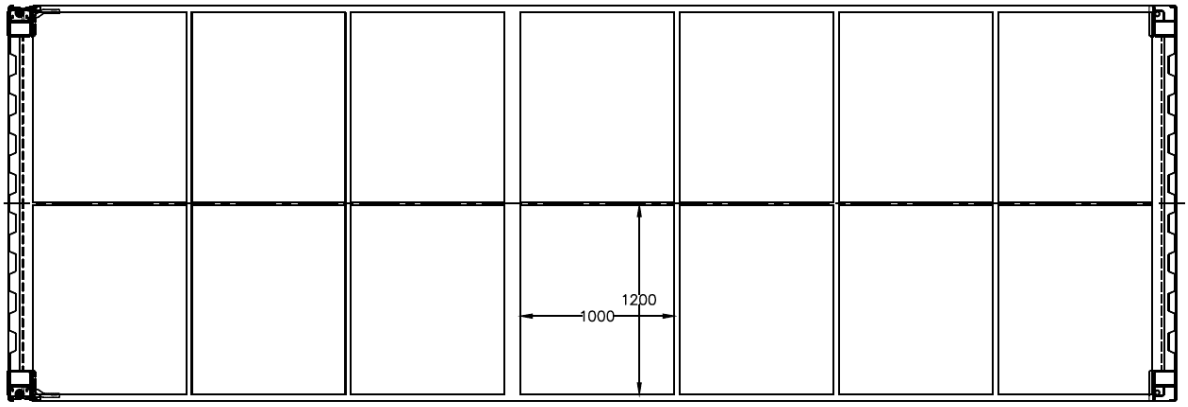


Figure 3 - Pallet Arrangement

GSH containers are also suitable for carrying general cargo that is within the payload limits and can be properly restrained.

5. LASHING POINTS

5.1 End Walls

GSH Intermodal Curtainside Container end walls are fitted with internal hoop ring lashing points (Figure 4).

Each end wall is fitted with 3 Lower and 3 Upper lashing points rated at 1000kg SWL.

Each end wall is fitted with 3 Mid height lashing points rated at 500kg SWL.

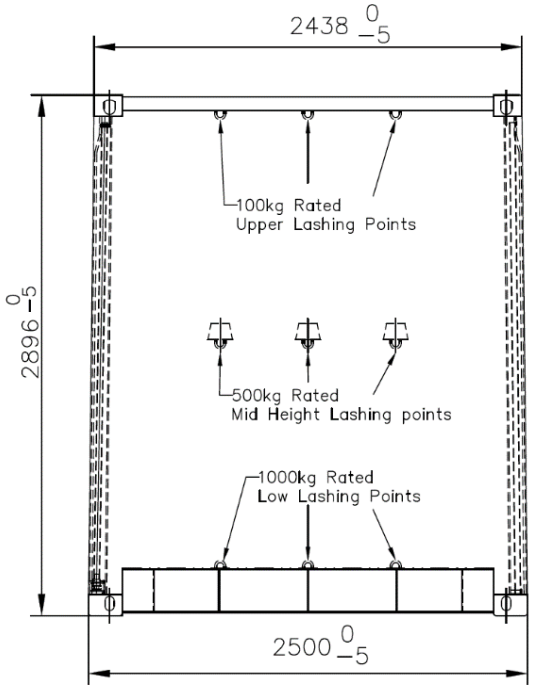


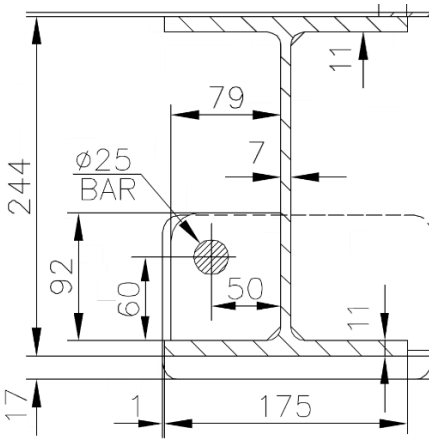
Figure 4 - End wall lashing

5.2 Side Tie Rails

GSH Intermodal Curtainside Containers are fitted with full length tie rails on each side.

The tie rail is 25mm Solid Bar, with a maximum 300mm span between tie rail supports.

Tie rail is for curtain buckle attachment, and for use with 2,500kg SWL commercially available webbing straps with hook and keeper.



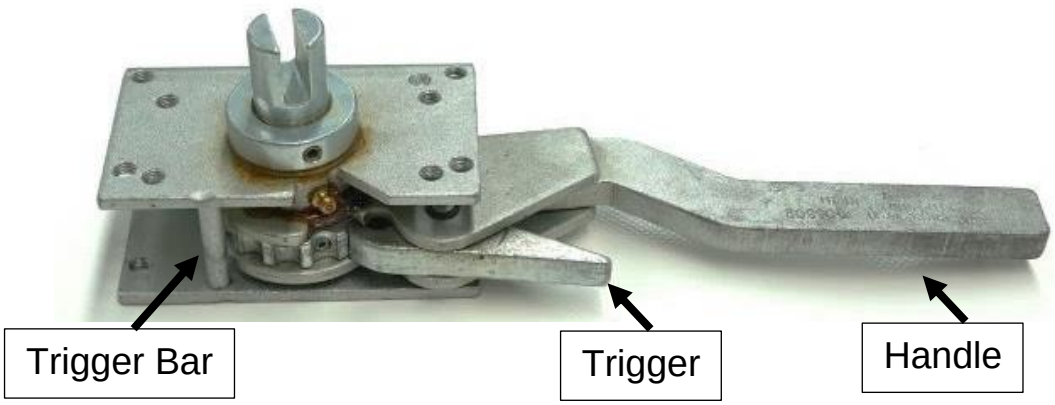
6. OPENING THE CURTAIN

The following opening sequence is recommended for safe operation of the curtains. Always wear appropriate PPE and safety gloves. Pay attention to bulges and loading against the curtains when opening.

6.1 Release Tensioners

Polyweld H-Type tensioners are fitted to GSH containers, located at the left-hand side of the curtain.

To release, push the release trigger on the tensioner to unlock, then rotate the handle out 90 degrees. Hook the trigger on the bar as shown below to hold the handle on the released position.

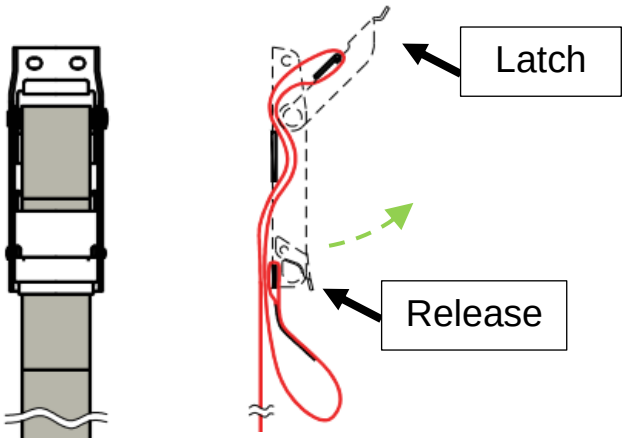


6.2 Release Curtain Buckles

To release curtain straps, hold the strap below the buckle and push the release trigger with your thumb.

Warning: Keep clear of the top part of the buckle which opens outwards towards you when you push the trigger. This can spring open quickly when released.

Unhook the strap hook from the tie rail.



6.3 Remove Curtain Pole

The GSH containers have a “Tensioner End” Pole and “Non-Tensioner End” Pole.

6.3.1 Curtain Pole – Tensioner End

Lift pole from tensioner spigot, then angle the bottom of the pole out from the container and lower the top of the pole from out of the upper pocket.

6.3.2 Curtain Pole – Non-Tensioner End

Lift pole from lower pocket, then angle the bottom of the pole out from the container and lower the top of the pole from out of the upper pocket.

6.4 Curtain Hold Back

Each end wall of the containers has a small hold back hook on each side to allow the curtains to be held out of the way during loading and unloading.

7. CLOSING THE CURTAIN

7.1 Install Curtain Pole

7.1.1 Curtain Pole – Non-Tensioner End

Guide the curtain under the pelmet rubber and lift the top of the curtain pole into the top left corner.

Lift the bottom of the non-tensioner pole into bottom “L” shaped retaining pocket.

7.1.2 Curtain Pole – Tensioner End

Guide the curtain under the pelmet rubber and angle the pole into the “L” shaped retainer bracket in the top left corner.

Lift the bottom of the pole onto the tensioner spigot and ensure the pole cross pin has seated down into the groove of the tensioner.

7.2 Tension the Curtain

The tensioners operate with a standard ratchet action. Do not hold the trigger when tensioning curtains.

Use your body weight on the handle to pull the curtain tight. Once the curtain is tight, close the handle back against the container.

7.3 Fasten the Buckles

After tensioning the curtain, hook each strap onto the tie rail and pull the loop of the strap snug, then close the buckle to tension the straps.

Ensure all buckles are secured on each side of the container.