

WAGON TYPE	COMMODITY
KFA Salmon FEA (W) Salmon (Fitted with 3 x 20' flat top load modules)	New Breather Panel or Adjustment Switch

Carrying Capacity:

Wagon Tare Weight – 20,700kg (see individual wagon details)

Wagon Carrying Capacity – 61.3t (see individual wagon details)

Wagons are loaded with 3 x 20' load modules

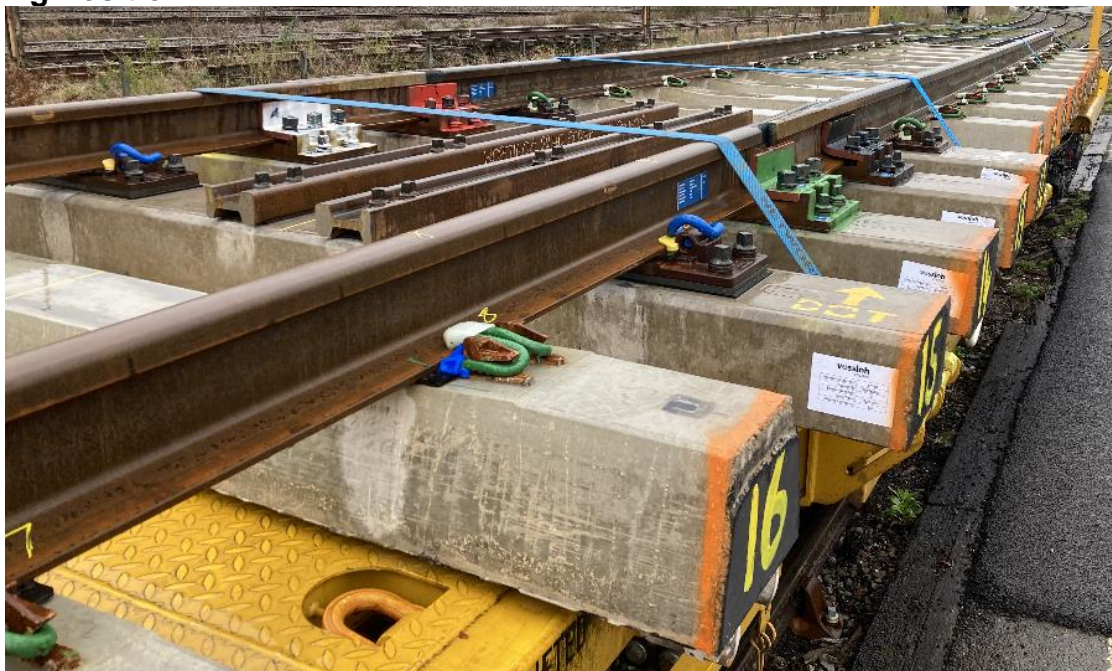
Load Module Tare - 1670kg (3 x 1670kg = 5010kg)

Load Module Carrying – 18t* (3x18t = 54t)

*Although load modules show 17t carrying capacity they have been approved for 18t

For exact loading limits see individual wagon on TOPS.

Loading Position:



New adjustment panel loaded as a single panel

Only new panels may be loaded.

Panels may only be loaded 1 x tier high.

Panels shall be centrally loaded.

Maximum panel length is 18.2 m (60') Minimum panel length is 9.1 m (30')

Rails may overhang the wagon headstock by up to 300mm.

The panel end sleepers shall be fully supported by the wagon floor or timber dunnage.

Sleepers may overhang the wagon sides by a maximum of:

Wagon Type	Overhang
FEA	290 mm
KFA	300 mm

Sleepers that exceed the above overhangs will require cutting back or removing.

Stanchions: N/A

Bolsters: N/A

Dunnage:

The dunnage is to be of an adequate thickness to allow the shallow sleepers to be fully supported so that the panel is level.
The timber dunnage in use shall be of sufficient length so as it is within two securing straps.

Unsecured Loads: Not Permitted

Securing Equipment:

Panel Length	Minimum wagon winch straps
Up to 18.3m (60')	6
Up to 15.2m (50')	5
Up to 12.1m (40')	4
Up to 9.1m (30')	3

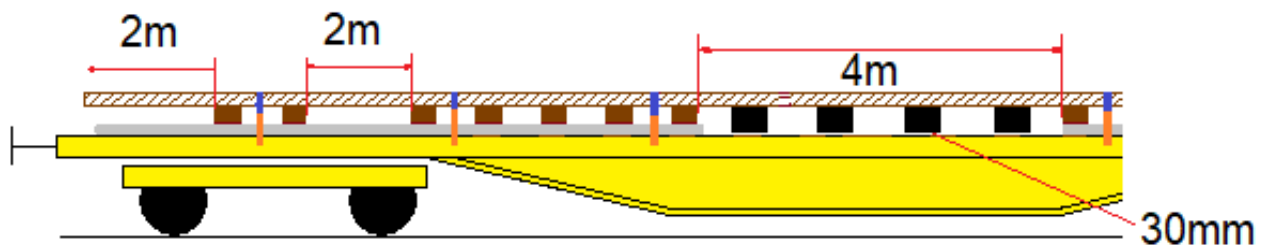
Cargo winch straps are to be spaced evenly along the panel length.
Ratchet type straps are not permitted for use on this type of wagon.
A strap shall be placed within the first 4 sleepers at each end of the panel.
Do not place straps directly over sleeper ends.
Straps shall be 7m long and fitted with a 3m wear sleeve.
Position the sleeve protection over any direct points of contact.
Straps shall be tensioned from both sides of the wagon.
It is not permitted to position straps between the rail ends and the first sleeper.

Do not strap over the expansion joint.

All unused securing equipment shall be either secured across the bed of the wagon from winch to winch or coiled up neatly and placed in the equipment box.

Voids: See dunnage.

The maximum permitted unsupported rail span is 2m.
Unsupported sleepers are permitted providing the sleepers are securely attached to both rails.
A 2m unsupported rail end span is permitted.



A void on the wagon floor is permitted up to 4m providing the distance from the wagon floor to the bottom of the unsupported sleeper does not exceed 30mm.

Doors/Sides: N/A

Special Equipment: N/A

Competency Level: Load Examiner

Remarks:

The 20' load modules are primarily secured upon the intermodal spigots at each corner, secondary securing is provided using fitted bolts through the spigot holes at diagonally opposite corners of each module.

Check prior to loading that wagon floors are free from loose material.

Check panels are clear of ballast and any other loose items that could fall from the loads.

The use of hand ratchet tensioner type securing straps is prohibited.

Diagram 1

FEA/KFA Wagon

