

WAGON TYPE	COMMODITY
FZA Super Salmon	Rail & S&C Ironwork 23m - 35m

### Carrying Capacity:

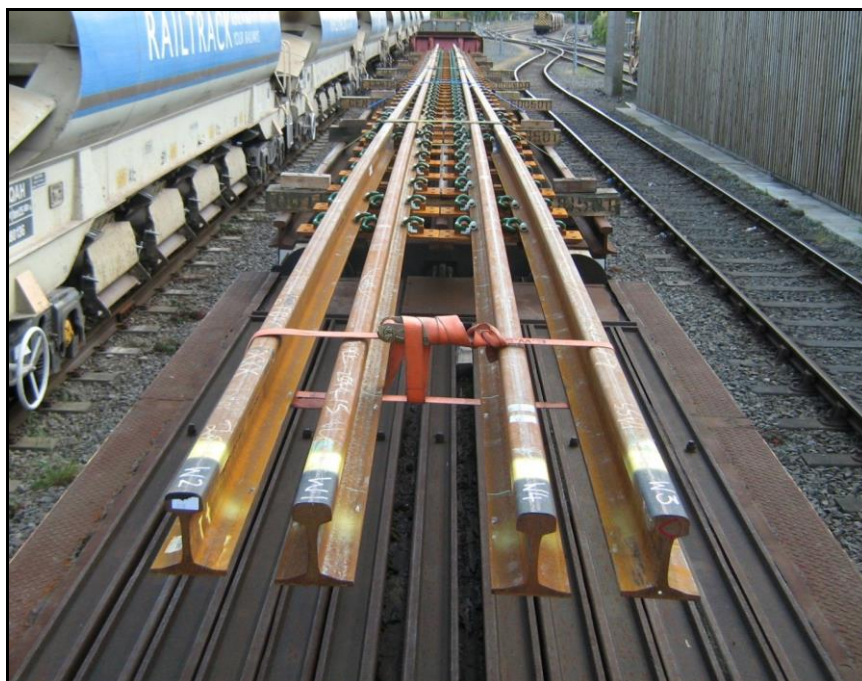
FZA Super Salmon 49 t evenly distributed over all bolsters.

For Exact Loading Limits see Individual wagon on TOPS.

For loads over 18.5 m in length, the Loads Examiner shall hold the competency LE Super Salmon

### Load Positioning:

Wagon	Load Lengths
FZA Super Salmon wagon + Runner wagon at each end	For long overhanging loads up to 35000mm loaded central. The Super Salmon wagon is not intended for loads less than 23000 mm.



Centrally position loads on the wagon.

There shall be an overhang of at least 300 mm beyond the outside edge of the end bolster. If the wagon winch is on the same side of the bolster as the overhang, increase the overhang to 900 mm.

The weights and numbers of individual lengths of S&C ironwork will dictate the width of the load and number of S&C ironwork per tier that may be loaded on each wagon. Calculate the overall weight and width of each tier before loading so that wagons are not overloaded.

Position loads centrally across (transverse) and along (longitudinal) the wagon. There shall be an even overhang at each end of the wagon.



The load shall be level and be supported on all respective bolsters.

Due to the nature of S&C rails with the associated base plates, it might be necessary to pack wagon bolsters to maintain an even load.

S&C rails may be loaded on top of tiers of flat bottom or conductor rails if adequate blocking protection and load securing is provided.

S&C rail loads shall not rest on the runner wagon.

S&C rail loads with chairs attached shall be restricted to a maximum of three tiers high.

Rails where possible shall be loaded in a pyramid formation (lower tiers wider than upper tiers) but may also be loaded in an equal pack.

Do not load shorter rail lengths under longer lengths.

Wherever possible, shorter rail lengths shall be loaded inside longer rail lengths. (of the same tier)

Load short rails centrally along the wagon bolsters (do not load them to one end)

Each tier of rails shall be level and be of the same rail type.

Load rails up to each other to prevent voids. The foot of the rail shall not become lipped over another rail. Load rails heads up.

Rail ends may overhang the wagon headstocks by 300 mm. It is permitted to have facing overhangs up to 300 mm on adjacent wagons coupled together.

Rails ends may overhang the wagon headstock by 450 mm providing any adjacent coupled wagon does not have any overhang over the headstocks.

Any rail ends that exceed 450 mm shall be loaded with a runner wagon. A minimum under clearance of 100 mm shall be maintained between the underside of the load and the runner wagon.



The Super Salmon has moveable bolsters that must be positioned to give adequate load support. All bolsters shall be used. Due to the Super Salmon not having side stanchions, chock all rail ends. Multiple rail or S&C loads of an excessive length of overhang shall have an independent ratchet strap positioned around the load to contain the rail ends. This is to be positioned one metre from rails ends.

Additional blocking may be required if no other support is present at the rail ends.

(refer to picture)



**Stanchions:** N/A

**Bolsters:**

Position moveable bolsters to offer maximum support to the load. The end bolsters shall not exceed beyond the wagon buffers.

**Dunnage:** Separate each tier of S&C by at least four timbers formed at right angles to the wagon sides. More might be required depending on the nature of the load. Minimum timber dimensions shall be 75 mm x 75 mm and length to suit wagon sides. Timbers shall exceed the width of the load by at least 100 mm but shall not exceed the width of the wagon. Position end timbers on the inside of the bolsters.

Any timber packing on wagon bolsters shall be nailed in position.

Rail ends on the FZA shall be additionally secured by timber chocks nailed to the bolsters or timber dunnage.

Do not put unused or returned timber dunnage on the wagon floor of the FZA Super Salmon wagon. Remove timber and nails from the bolsters where appropriate.



**Unsecured Loads :** N/A

**Securing Equipment:** Use a securing strap for each occupied bolster position, i.e. if four bolsters are used, use a minimum of four straps; if six bolsters are used, use a minimum of six straps. Position straps using the nearest winch position applicable to the bolster in use.

Strangle-wrap each end of each length forming the load.

Fit protective sleeves to all straps.

**Voids :** Minimise gaps between rails as much as possible.

**Doors/ Sides :** N/A

**Special Equipment :**

Super Salmon. This is a special wagon. To maintain its integrity during movement, the Load Examiner shall carry out a thorough check before or after loading.

Check the following and find them to be satisfactory before applying a Load Examination label.

These instructions are in addition to the normal Load Examination duties.

1. Check that the bolsters on the wagon deck appear to be in good condition and there are no signs of movement.
2. Check that the rail chairs are firmly attached to the five bolsters and there are no signs of movement.
3. Check that the rails are correctly seated in the chairs and that the Pandrol clips are in place with no signs of movement.
4. Check that all stops on the rails are in place.



5. Check that the guides fitted on the underside of the wooden bolsters on the inside of the railheads are in position and that the bolsters are sitting on the rails evenly.
6. Check that all load restraint straps are secure during transit.
7. Check that under-runner wagons at each end have the required distance (see above) between the rails and under-runner.

Empty Super Salmon wagons do not require Load Examination.

**Competency Level :** LE Super Salmon

**Safety :** FZA Super Salmon wagon must run with an associated under 'Runner' wagon at each end.

The wagon has a bogie centre of 15.8m and is 21.0m over the headstocks.

Securing straps are stored under the wagon on the shelf at either end.

No loose material is to be left on the wagon platform.

## FZA Super Salmon loaded with S&C

