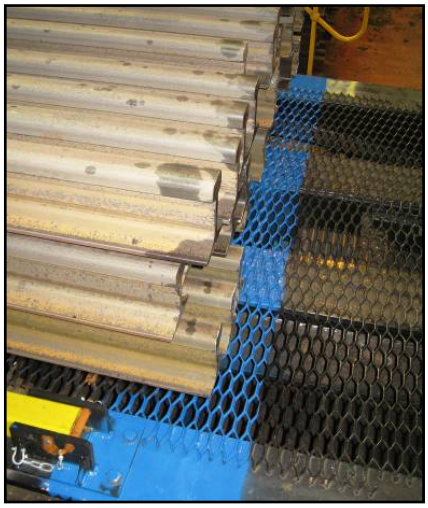
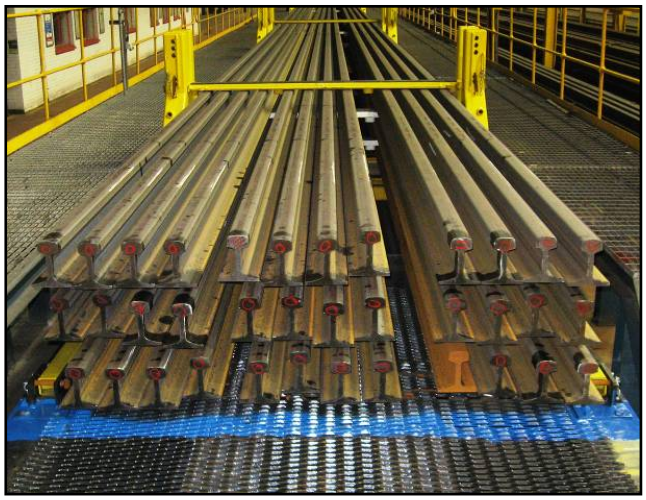
| WAGON TYPE | COMMODITY |
|---|---|
| YEA (fitted with rail frames) | 108 m Rail of type-<br>(CEN56E1 CEN60E2 75 kg Conductor) |

**Carrying Capacity:**
Gross Laden Weight: 88 tonnes
Carrying Capacity: 54.8 tonnes.
Tare: 28.4 tonnes.
For exact loading limits see individual wagon on TOPS.

**Load Positioning:**
108m trains consist of 5 wagons 3 inners and 2 outer.
Load the rails as per the drawing.
Rail ends shall be positioned within the blue coloured rail end safe zone which is located on the end wagons.
The wagons can be loaded with 3 tiers of rails.
The maximum payload for CEN 56E1, CEN 60E2 is 36 rails and 75 Kg Conductor is 32 rails.
There are 2 types of spreader beams that fit into the frames.
YELLOW - This beam must always be on top as it is engages with the frames to lock the pack down. This spreader can secure a maximum of 12 rails.
**WHITE –** This spreader beam can secure up to 12 rails





The spreader beams have separating devices fitted on their underside that engage with the rail heads. These devices can only accommodate 4 rails. It is permitted to leave bays empty provided that the tier is loaded evenly.
It is not permitted to part load individual bays.

Position all the rail ends in the acceptable safe loading area (coloured blue on the wagons) as per the attached drawing.

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Shorter rails shall not be loaded on the bottom tier. A minimum overhang through the end spreader beam of **1500 mm** shall be maintained.

Only rail of the same type may be loaded on each tier.

Fishplated rail is not permitted.



**Stanchions:**
All side stanchions shall be secured in the lowered position for transit.




**Bolsters:** All load bearing bolsters to be of a uniform height and in good condition.

**Dunnage:** Spreader beams are positioned in the wagon frames only.

**Unsecured Loads:** Not permitted.

**Securing Equipment:**
Each wagon is fitted with two rail support frames positioned just inside the bogie centres. (see diagram). One of the end wagons is fitted with an additional frame (only used when running in Putler formation which is not covered in this loading pattern) which is positioned just inside the normal frame position – this frame is not used in SRC formation and shall be left empty.
The rails are equally loaded through the frames.
Each tier is separated by spreader beams.

| Rail Length | In Frames | Intermediates | Yellows | Total |
|---|---|---|---|---|
| **108 m** | 20 | None | 10 | 30 |

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