

WAGON TYPE	COMMODITY
YFA-H SLINGER train 5	SLEEPERS
<p>Carrying Capacity:</p> <p>Gross Laden Weight 90 tonnes</p> <p>Carrying Capacity 57 tonnes</p> <p>Tare 33 tonnes</p> <p>For exact loading limits see individual wagon on TOPS.</p>	
<p>Load Positioning:</p> <p>Steel Sleepers</p> <p>Steel sleepers loaded within steel stillages. Secure stillages to the wagon body by four steel pegs. Secure each empty stillage by a minimum of one strap.</p> <p>Steel sleepers with furniture fitted may be loaded up to 10 tiers high. All tiers shall be even, with the steel sleeper stacks made as level as possible.</p> <p>Load the lifting beam in the centre of the wagon, on top of the sleepers with fast clip fasteners attached to all steel sleeper stacks.</p> <p>Concrete Sleepers</p> <p>Up to 60 sleepers may be loaded on top of timber bearers in either two or three tiers. Place 4.6 m x 75 mm x 75 mm timber bearers on the deck and between the tiers of sleepers. Timbers shall be of one piece and in good condition.</p> <p>Floor bearers attached to the floor have metal brackets that are vertical to prevent the base tier moving. Intermediate timbers have brackets that lock both the lower and upper sleepers. Intermediate timbers shall be placed in the rail housings.</p> <p>Position the base timbers between the crane bases and towards the headstocks, and between the two crane bases. Place the timbers approximately in line with the sleeper rail housings approx 300 mm from the wagon side. When positioning the two lengths of timber, the two brackets of the adjacent timber shall butt up against each other.</p> <p>No sleeper may extend more than 230 mm from the side of the wagon. Position intermediate timbers so that the lower part of the bracket is just over the side of the sleeper. Load subsequent tiers directly above the lower one.</p> <p>Load sleepers straight along the length of the wagon, to accommodate the eight corner pieces. The corner pieces are heavy and require care when positioning. Hold them in place whilst securing straps are positioned and tensioned. Take care when removing securing straps as they could fall when tension on the straps is released.</p> <p>Due to corner pieces extending beyond the outer stacks of sleepers, take care when climbing the steps on the ends of the wagons as the corner pieces can be sharp.</p>	
	
Beam and Dunnage	

Once the sleepers have been discharged, load the beam and timber dunnage back onto the train.

Load the beam off centre. This helps offset the weight of the wagon cranes. Locate the beam on 2 pins positioned on the crane bolsters and then secure it by six straps.

To prevent the fast clip attachments on the outer most side of the beam from becoming out of gauge, unclip them from the beam and attach them to the fast clip attachments on the inner side of the beam.

Carry dunnage on top of the beam in two bundles. Secure each bundle of dunnage by two strangle straps.



Stanchions:

Do not load sleepers above its stillage stanchions.

Bolsters: N/A

Dunnage: For wood and concrete sleepers only. 4.6 m x 75 mm x 75 mm fitted with steel end brackets.

Unsecured Loads: Not Permitted

Securing Equipment:

13 throw over straps with protective sleeves when loaded with concrete sleepers. (Three straps per steel corner piece with an additional strap positioned over the central overlap.)

10 throw over straps with protective sleeves when loaded with steel sleepers.

Two throw-over and four strangle straps when loading beam and dunnage only.

Six throw-over when loading beam only.

Voids: N/A

Doors/Sides: N/A

Special Equipment: Steel sleeper stillages, dunnage fitted with restraining plates and corner pieces.

Competency Level: LE Slinger