


WAGON TYPE		COMMODITY
OAA/OBA/OCA Bass SPA Pike FJA/YQA/FCA Super Tench		Materials
Bass (OBA OCA) wagons can carry 31 tonnes Super Tench (FJA) wagons can carry 47 tonnes Super Tench (YQA) wagons can carry 48.75 tonnes Super Tench (FCA) wagons can carry 62.5 tonnes		
Length of Load(m)	OBA / OCA / SPA	
2 – 2.99	15.25 t	
3 – 3.99	16.85 t	
4 – 4.99	18.8 t	
5 – 6.319	21.25 t	
6.32 – 6.99 (Axle centres)	25.7 t	
7 – 7.39	28.8 t	
7.4 & longer	31 t	
Load Positioning: Products shall be loaded centrally throughout the wagon in order to maintain even weight distribution. A small weight differential is permitted over the axles as follows: 2 axle wagons = 2 tonnes. Bogied wagons = 5 tonnes. The bump stop clearance is 25 mm and shall be equal throughout the wagon, a permitted 12 mm tolerance is acceptable. Small items (e.g. rails, sleepers and troughing) shall be loaded below the wagon door height. It is permitted to securely band multiple small objects together and treat them as a single large item for the two-thirds rule (e.g. shrink wrapped or steel banding). This shall be approved by a Loading Standards Specialist. Large single items may be loaded above the height of the doors providing they conform with the following rule; Two-thirds of the object (66%) shall be within the height of the door whilst permitting up to one-third of the object (33%) to be above the height of the door. Objects that exceed this two-thirds rule need to be authorised by a Loading Standards Specialist. All loads shall be free standing to prevent pressure being applied to the doors The load is not permitted to rest against the wagon doors.		







Sleepers

New wood and concrete sleepers with furniture attachments shall be loaded using timber dunnage between each tier.

To permit the use of the '7 sleeper auto baler' sleepers shall be loaded with up to 7 sleepers across the wagon, with up to 3 stacks along the length of the wagon. The end sleeper

stacks shall be positioned 300 mm from the wagon headboard.

Bass type wagons may be loaded up to three tiers at a maximum of 63 sleepers. Pike and Tench wagons can be loaded up to two tiers high.

Scrap sleepers can be loaded without timber dunnage providing the load is in an orderly fashion in a pyramid formation – this is where the upper tiers reduce in number by at least one.



Steel sleepers may be loaded loose or in banded packs.

Turn any leaning packs to face towards the centre of the wagon.

Rails and S&C ironwork

Rails and S&C ironwork shall be loaded with timber dunnage separating each tier. It is not permitted to load multiple tiers of rails/S&C without dunnage as it makes the unloading of the wagon dangerous and unsafe.

Dunnage shall be one piece and positioned at right angles to the load. Cut back any long timbers that might restrict the door closure to enable the wagon doors to be closed without damage.

When loading mixed lengths of rail keep shorter pieces at the top and the longer lengths at the bottom of the load. Shorter lengths where possible shall be loaded inside longer lengths of rails



Miscellaneous items

Any round shaped items such as pipes or cable drums shall be additionally chocked to prevent the load rolling about and causing damage to either the wagon or the load.

Fix any chocking with suitable nails.



Wheeled items require chocking to prevent any movement so can only be loaded in wooden floored wagons.

Fix any chocking with suitable nails.

Vehicles fitted with hand brakes, support legs or other stabilising features shall have these correctly applied as detailed by the manufacturer.

Wheeled vehicles can also require securing by hand ratchet straps.

Bulk products may be loaded provided the material is contained in 1 t 'dumpy bags' or other similar product.

Bags can only be loaded in a single tier. Approximately 20 bags can be loaded in a Bass type wagon



It is not permitted to load loose bulk product in to wagons fitted with side drop doors.

Loading Area:

OBA/OCA Bass wagon loading area is 2284 mm to 2339 mm wide and 10450 mm long.

Bass wagons can normally accommodate 16 (1 m²) pallets.

Floor height above rail level 1288 mm. Door height 914 mm.

SPA Pike wagon loading area is 2540 mm wide and 10438 mm long.

Floor height above rail level 1283 mm. Door height 625 mm.

FJA/YQA/FCA Super Tench wagon loading area is 1920 mm wide, 18.3 m long. Door height 580 mm

Stanchions: N/A
Bolsters: N/A
Dunnage: To facilitate different loading methods, timber dunnage shall be used to support the load off the wagon floor and between each tier. Timber shall be in good condition and be of similar size. Place the widest section of the timber flat face down. Position supporting timber at right angles across the load and shall protrude through the load to allow for a 100 mm overhang. Care should be used when positioning the timber so as not to conflict with the door operation/closure. Trim back timber if it is causing such an obstruction.
Unsecured Loads: Permitted if the load is below the wagon doors/sides.
Securing Equipment: Strapping might be required. Ratchet straps shall not be positioned over the wagon doors. Special attention shall be observed when selecting securing points for the ratchet straps.
Voids: Should be avoided.
Doors/ Sides: Special attention shall be observed to correctly close and secure all doors. When opening wagon doors, staff shall stand in a position of safety away from any door opening. Each door shall be primarily secured with 2 x door pins of the approved design. Door pins shall fully engage through the door fastening point with the secondary 'O' ring fitting in position as shown in the picture below. Doors pins shall be captive to the wagon by means of a chain. Instances of missing door pins need to be reported. Under no circumstances may wagons be moved with doors in the lowered position. Special care should be taken with OCA Bass type wagons (steel sided) due to the door mechanism being fitted with door spring assisters. Damaged doors posts and bowed/damaged doors can infringe the loading gauge. Doors shall not be closed by means of plant machinery. This can cause damage to the door and the door mechanism. Take care to remove any debris in the door area that may fall from the wagon if any gaps are present between the door and the wagon floor.
Special Equipment: N/A
Competency Requirements: Loader
Safety: PPE is to be worn at all times. Some OBA mesh sided wagons have been fitted with foot steps and hand rails on the end doors to assist access on/off the wagon.

