



Bin Runner



The Bin Runner is a very heavy trailer, capable of picking up, transporting smoothly and unloading bins quickly and efficiently.

The Bin Runner comes in 3 sizes

- Four Bin
- Five Bin
- Six Bin



Loading Bins

In the orchard the Bin Runner is lowered and aligned so that the frame slides under the bin. Chains move the bin forward while the Bin Runner is reversing. The four bin latches automatically ratchet down to allow the bins to come on.

Unloading Bins

Unloading is even easier. Bin Runner is lowered and then driven forward while the chains are moving backwards. The four bin latches automatically retract, gently unloading.

High Strength Frame

The draw-bar frame is made from 150x100x8 thick RHS, sides made from 150x100x6mm thick RHS, crank axle made from solid Ø75mm high tensile shafting & 30mm plate. Mud Guards are very strong, made from 3mm plate and reinforced with 10mm plate

Wide Floor Chain

We use a 3/4" duplex chain, this is about 50mm wide having a rounded top, twice the contact area against the bottom of the bin of other Bin trailers and does not damage or chafe the wooden or plastic bins

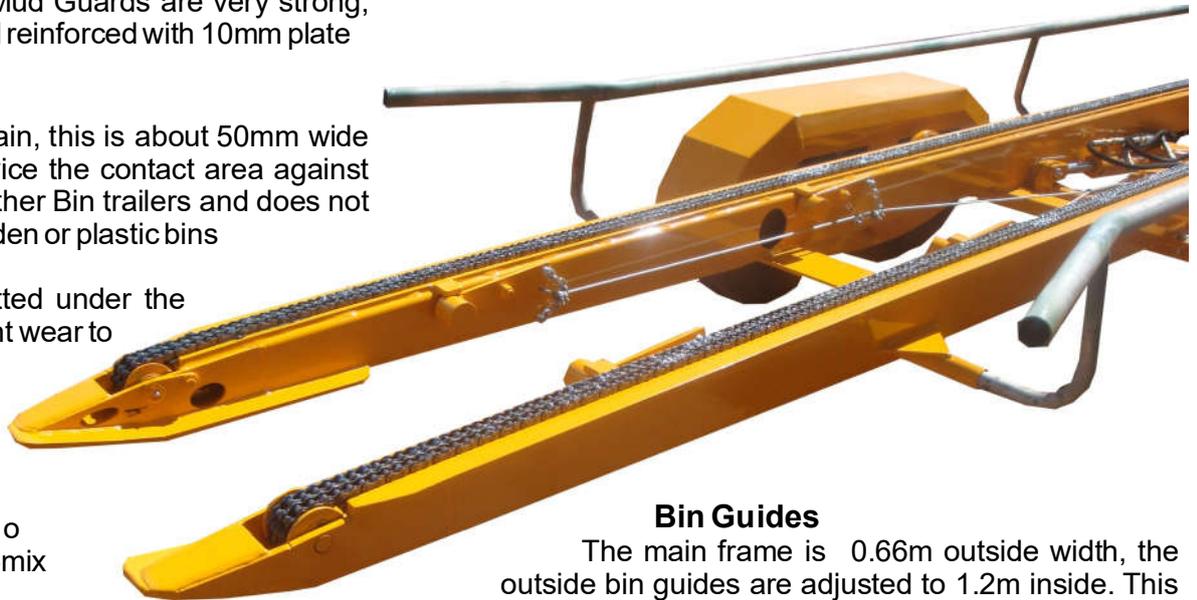
HDPE wear strips are fitted under the floor chains, which prevent wear to the chain and steel frame.

Large skids aid easy pick up of bins on soft ground while the chains remain clean, also prevents damage to hot-mix while loading & unloading.

Rear chain idlers are tapered and have four greased bearings for long life.

Smooth Transport

The bogie rockers give a very smooth ride over rough roads without damage to the fruit, or losing empty bins.



Bin Guides

The main frame is 0.66m outside width, the outside bin guides are adjusted to 1.2m inside. This allows easy pick up of bins in hard places.

Mud Guards are standard and stop mud from contaminating fruit.

Available Through Your Local Dealer

Manufacturers and designers of horticultural equipment

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Bin Runner



Rocking Tandem Axles

These rocker wheel pivots have four large self lubricating HDPE bushes each 120mm long x 8mm thick with 10mm flanges.



Stub axles are load rated to 2.5 tonne per pair in tandem - total load rating is 4 tonne.

Mud-guards are of very heavy construction, deflecting any branches and stop mud getting on the bins. Tyres can be changed without removing the mudguards.

Flotation tyres are 26x1200x12" 12 ply 300mm wide on a hot dip galv rim.



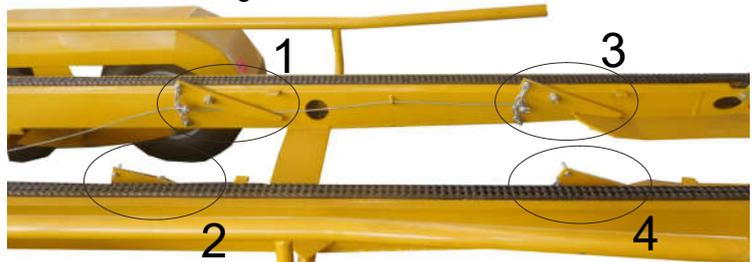
Compact Transport

For transport the rocker axles are removed, crank axle assembly is un-bolted, side bin guides removed and draw-bar un-bolted then all stacked on top.



Trailer Crank Axle

Two hydraulic rams raise and lower the main crank axle. Safety lock out valves are fitted, stops ram creep and provides easy hose coupling disconnection. The middle ram retracts the bin latches only when the floor chains are unloading.



Four Bin Latches

Bin latches are auto hydraulically retracted - sprung up unless the bins are being unloaded. When loading, the latches are sprung up and as the bin passes the bin pushes them down. The latches work like a ratchet.

Two latches #3 & 4 catch the last bin, and another two #1 & 2 catch the second last bin. These latches prevent the bin from coming off during loading and transport.

When you drive the floor chains in reverse to unload, the latches are automatically pulled down, allowing the bins to be unloaded.

With this system you can load a bin with the Bin Runner facing down hill.

Bin Runner Specifications

| <i>Bin capacity</i> | <i>Hydraulic requirements</i> | <i>Tyre size</i> | <i>Rocker & Crank Axle pivot size</i> | <i>Total length / width</i> | <i>Total weight</i> | <i>Measurements when packed</i> |
|-----------------------------------|---------------------------------------|----------------------|---|-----------------------------|---------------------|---------------------------------------|
| Four x 650 kg total 2.6 tonne | 2 pairs of remotes; 2,300 PSI 30 l/pm | 26x1200x12 12 ply | Solid Ø75mm high tensile Shafting | 6.43m / 2m | 1.0 tonne approx | 5.8 long, 1.15m wide, 0.8m high |
| Five x 650 kg total 3.25 tonne | 2 pairs of remotes; 2,300 PSI 30 l/pm | 26x1200x12 12 ply | Solid Ø75mm high tensile Shafting | 7.62m / 2m | 1.1 tonne approx | 7.0 long, 1.15m wide, 0.8m high |
| Six x 650 kg total 3.9 tonne | 2 pairs of remotes; 2,300 PSI 30 l/pm | 26x1200x12 12 ply | Solid Ø75mm high tensile Shafting | 8.83m / 2m | 1.3 tonne approx | 8.2 long, 1.15m wide, 0.8m high |