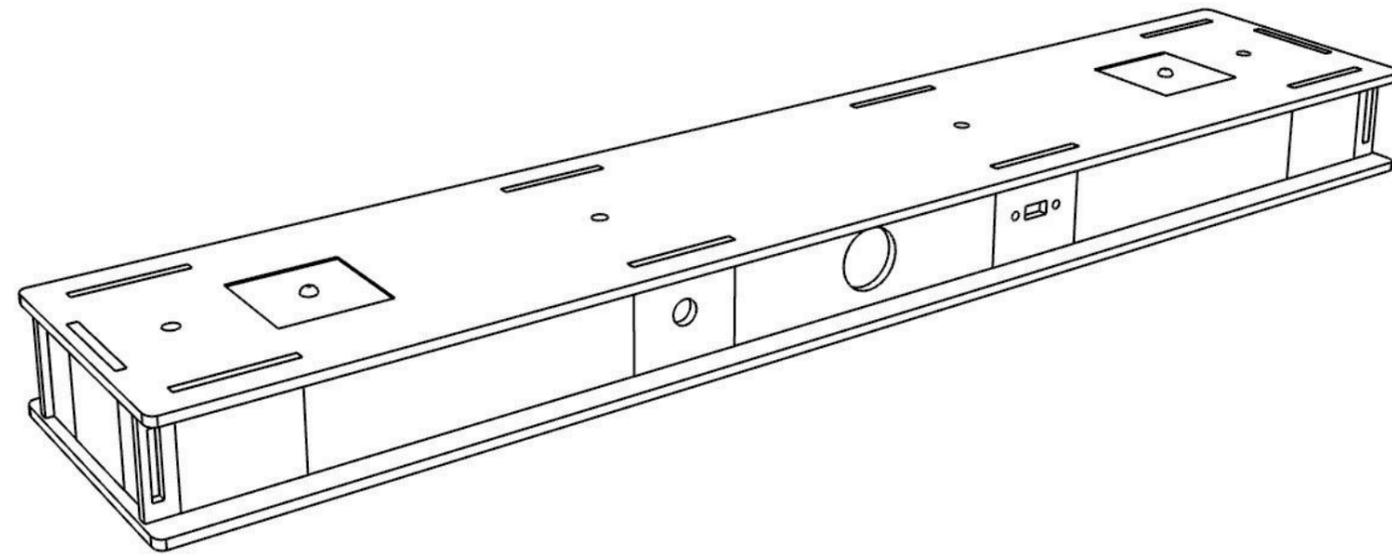


Bar Scale Specification



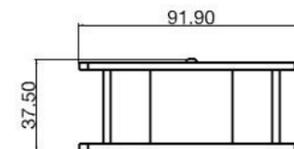
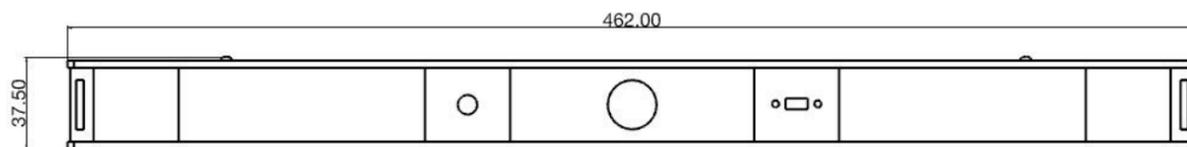
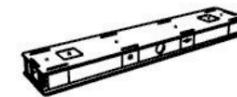
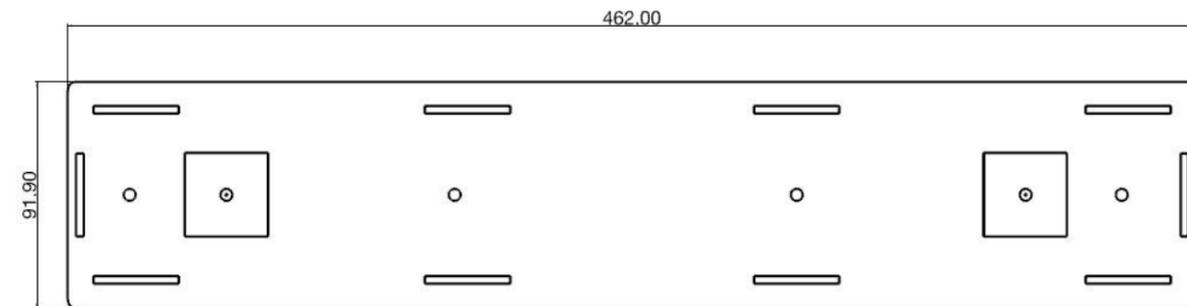
Bar Scale Specification

Dimensions:

National: 462.00 x 92.00 x 38.00 (mm)

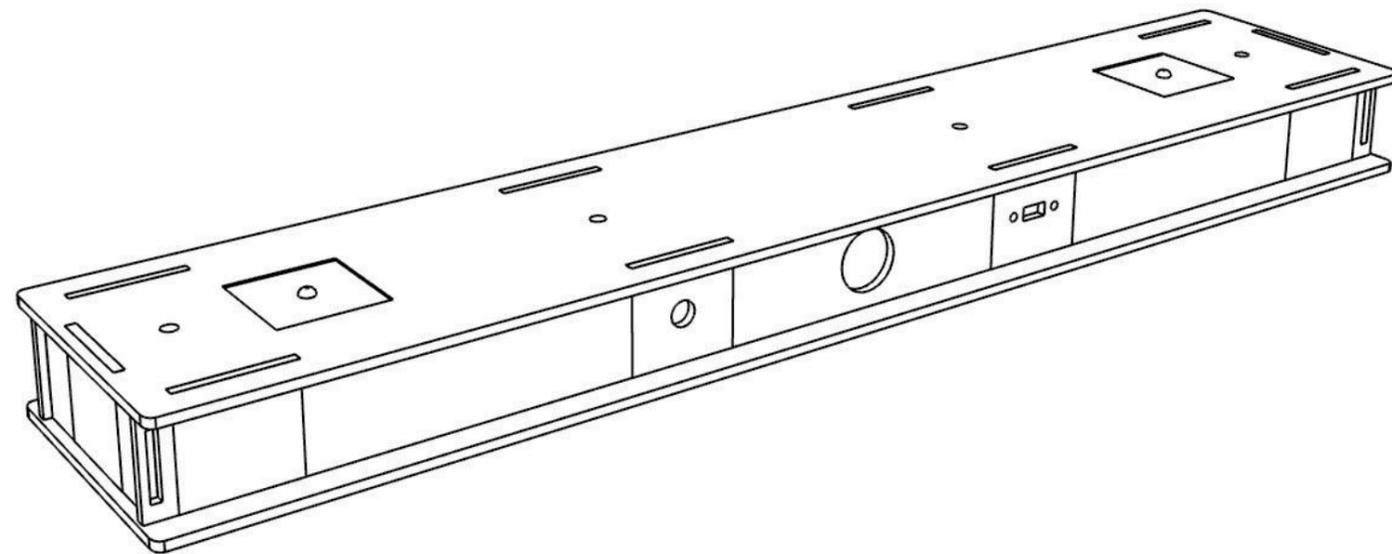
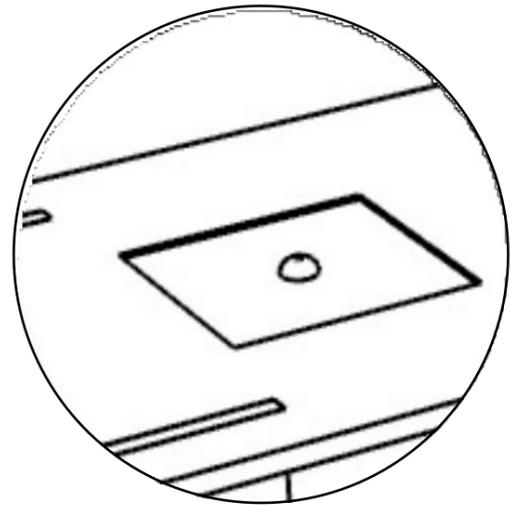
Inputs

- DC in port: For powering using solar power (solar panel not provided)
- On/Off switch: easy access in the centre of the bar scale.
- MicroUSB: For recharging the battery using an external power bank (not provided). A rubber dust cord is equipped to protect the port when not in use.



Features

- 2x 75kg half-bridge load cells for weight measurement
- 3.7V Li-Ion Rechargeable Battery (50 days depending on data transmission frequency)
- Independent data transmission



Installation:

A bar scale should be placed under the main entrance to the hive (where possible) between a hive stand and the base of the hive. Inputs should be facing outwards to ensure easy access to all ports.

Bar scales are designed to be counterbalanced easily with standard CLS studwork which can be found internationally (See video for demonstration).

How it works:

Bar scales feature two load cells which measure weight when a load is directly applied to the central button (see insert). **It is crucial that the central button is in direct contact with the hive at all times.** Distribution of weight throughout the rest of the bar scale can potentially disrupt readings and cause inaccurate measurements.

All hives are unique and discussions with our beekeepers has shown that everyone has their own methods of keeping hives flat! Whilst some tinkering may be required, our bar scale is designed to ensure maximum versatility and accuracy to support hives across the globe.

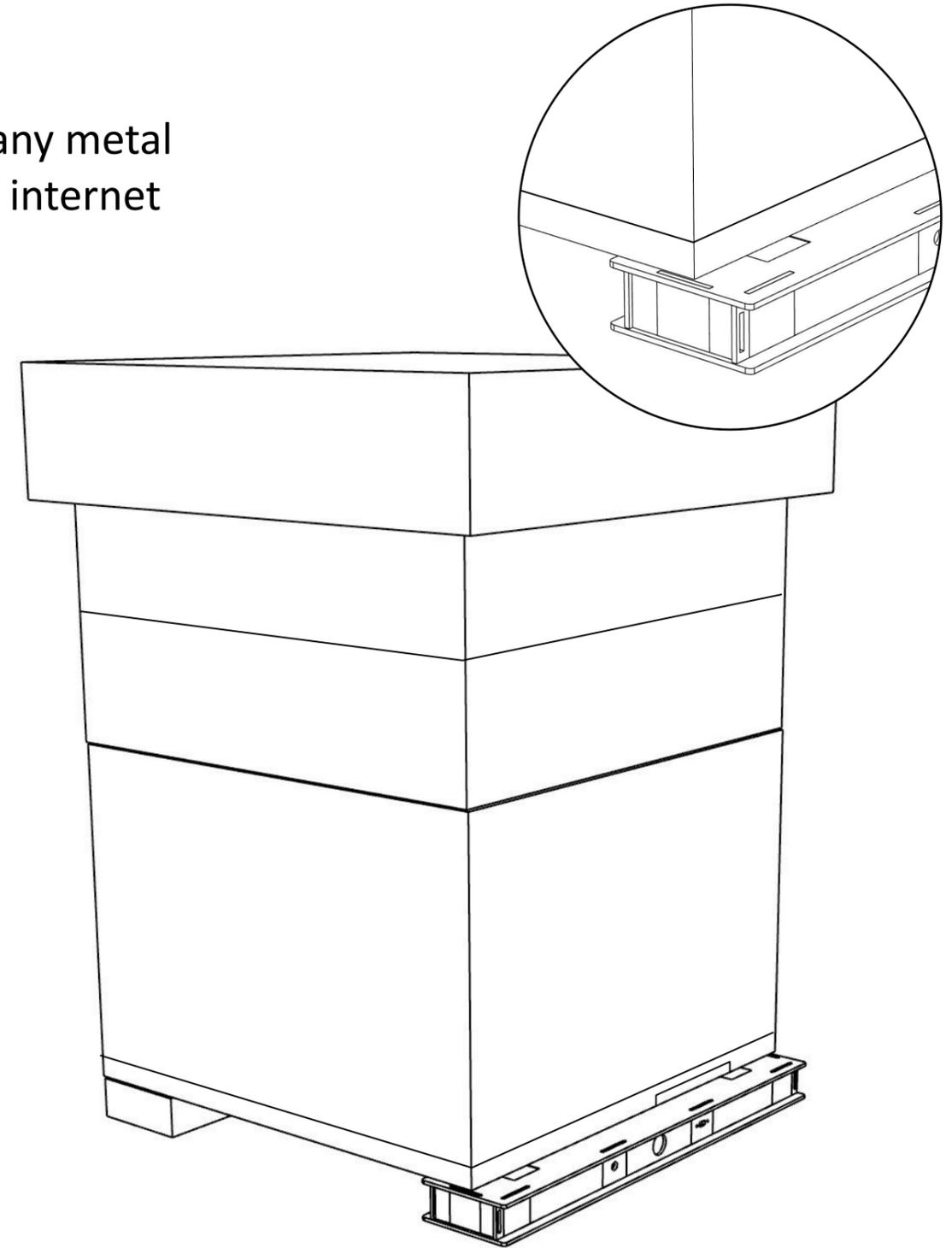
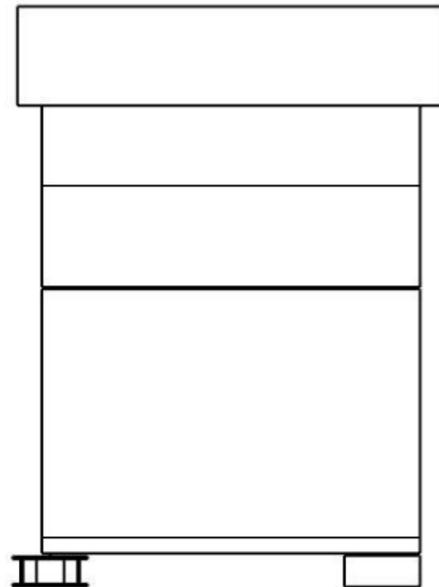
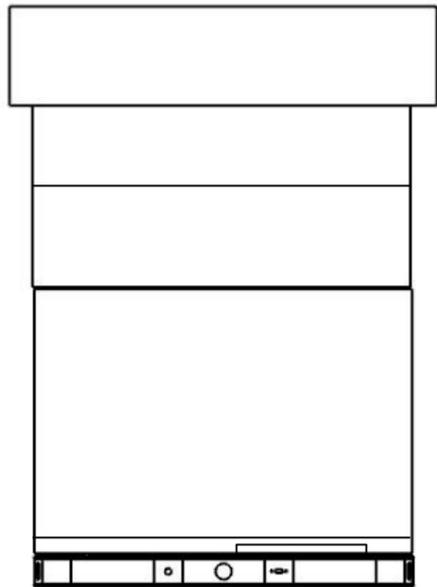
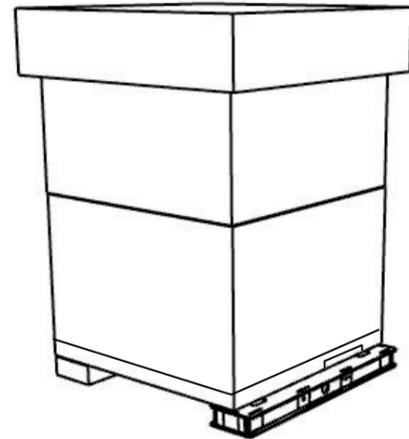
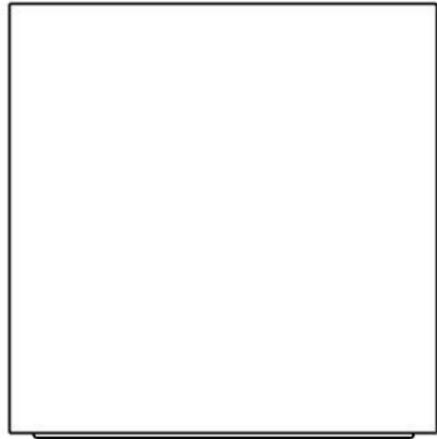
Bar Scale Specification

Option 1 (Recommended):

Align the load cells with the edge of the hive with the markings provided on the top plate. Ensure that the hive sits in the centre of the scale.

This is recommended due to avoid any metal within the hive potentially affecting internet connectivity.

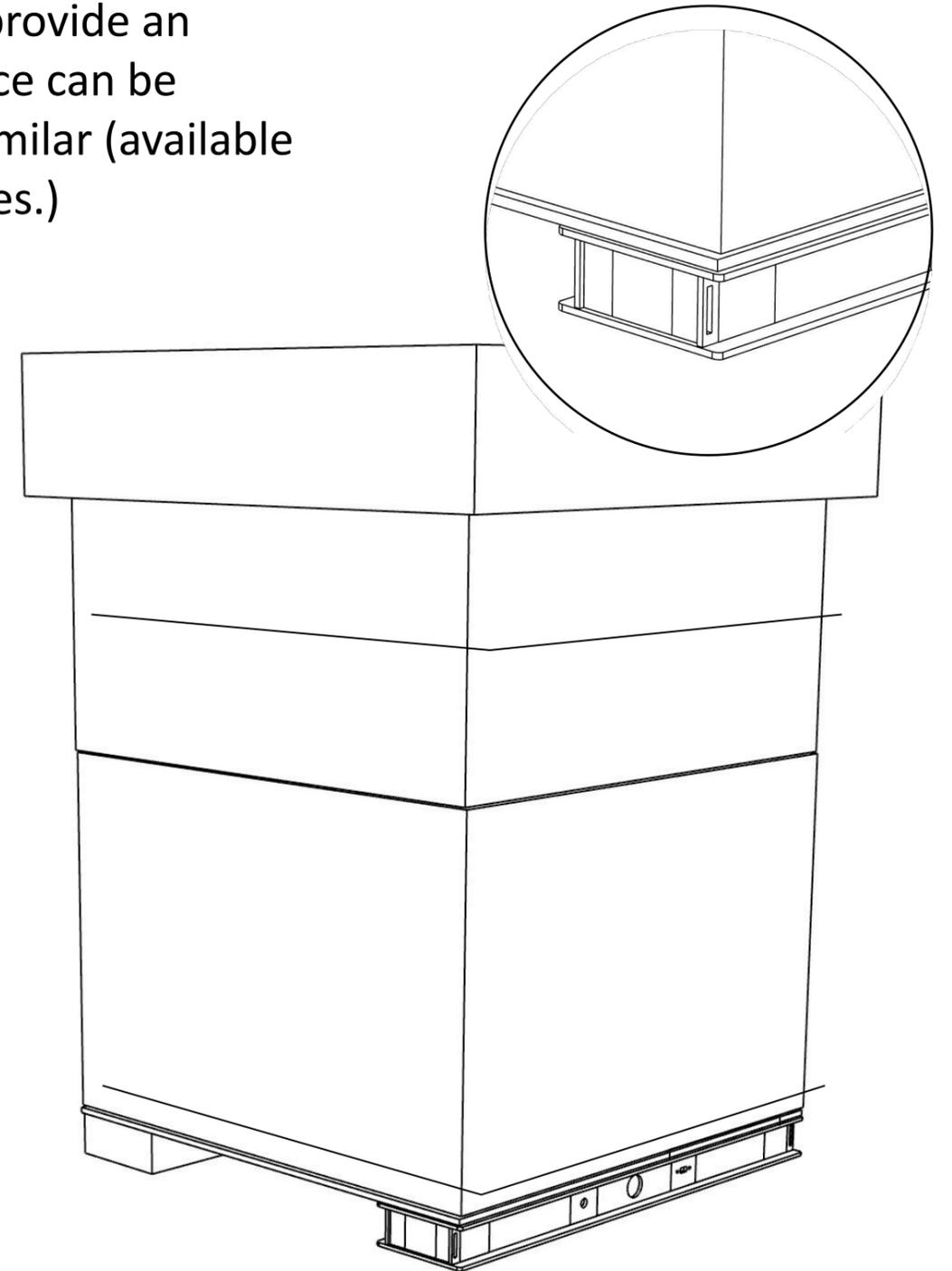
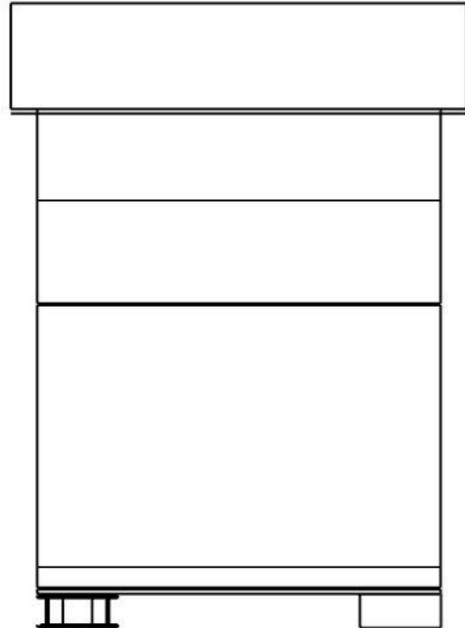
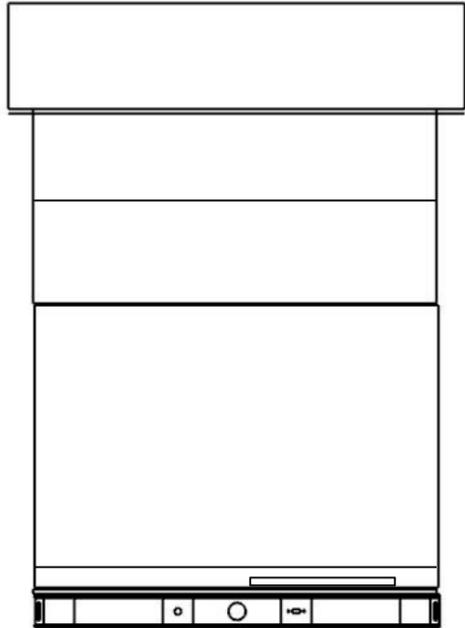
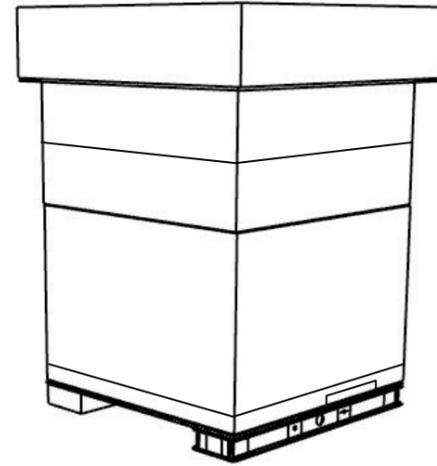
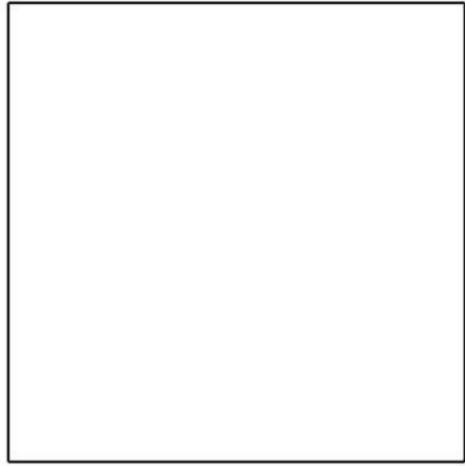
(Installation time: 10-15 Mins)



Bar Scale Specification

Option 2 (Non-level surface):

For hives without a solid base or uneven surface (i.e. no contact between hive and central button), we advise placing hives on a flat, rigid surface and placing the bar scale underneath. This will ensure an equal load is applied to both load cells and provide an accurate reading. A level surface can be created using metal panel or similar (available from most good hardware stores.)



Bar Scale Specification

Option 3:

If your Hive has a level flat base / platform where the load cell nipple can have direct contact with the hive then align underneath the hive so that only the load cells are in contact with the frame of your hive.

