

# SELECTING A LOCATION

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Careful preparation of the site is essential if accurate weighing is to result. You need to decide where both the monitor and load bars will be set up.

The maximum distance separating the load bars and monitor will be determined by the length of the load bar cables. Choose a careful route for the cables that ensures they will not be subjected to mechanical damage.

## Location of Monitor

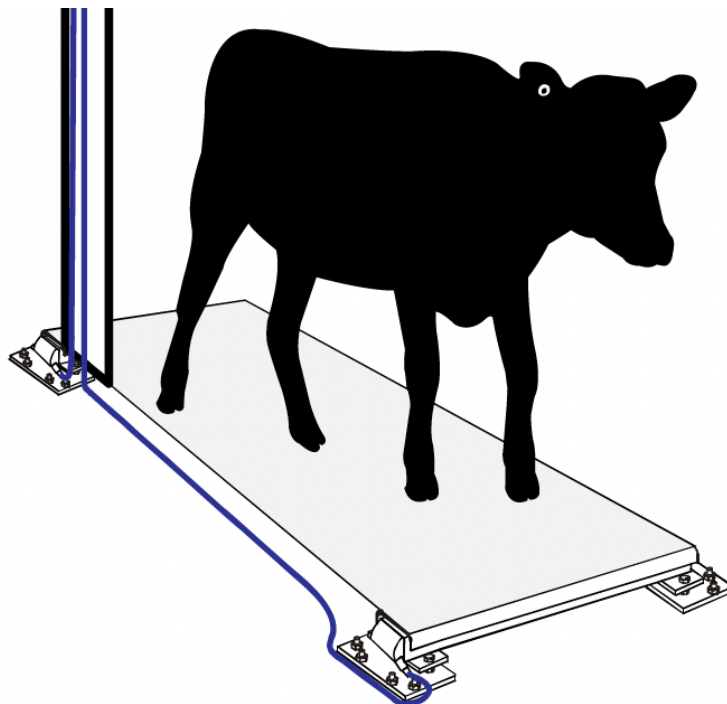
Keep the following points in mind when choosing a place for the monitor.

- Ensure the monitor and its operator do not interfere with the flow of animals.
- Ensure that there is adequate light to read the monitor screen.

## Locating the load bars

Keep the following points in mind when choosing a place for the load bars.

- Mount the load bars and platform clear of obstructions such as fence posts.
- The site must be level.
- Provide a solid foundation. A concrete pad is recommended. Load bars can also be mounted on heavy wooden beams.
- Don't recess the load bars into troughs in the foundation. The troughs are likely to fill with water and mud.



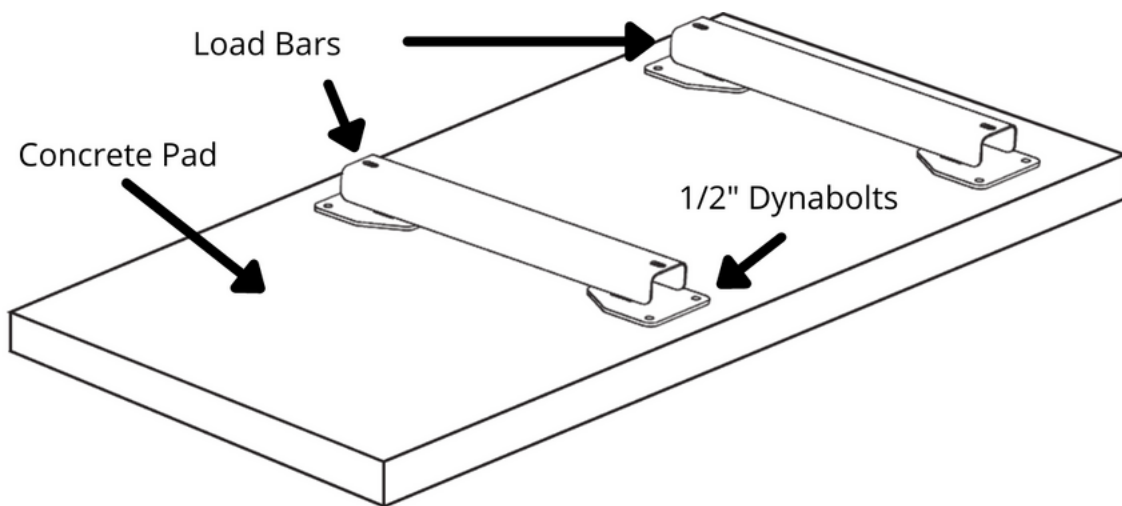
*Mounting the load bars on an uneven surface or failing to adequately secure the platform may result in weighing errors.*

# INSTALL THE LOAD BARS

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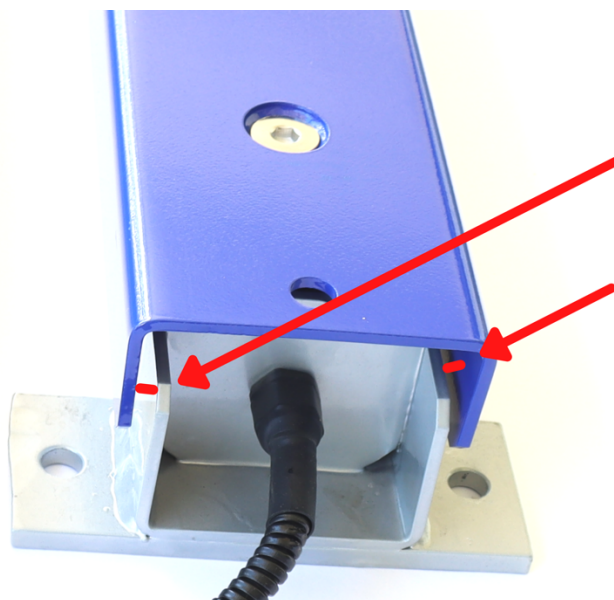
Do not use an arc welder on either the platform or the load bars. Use of an arc welder may damage the load cells during installation by excess heat on the electronics.

1. Position the load bars on a flat foundation (concrete is recommended) Load bars can also be attached to heavy timber planks if installed on a dirt or gravel base.



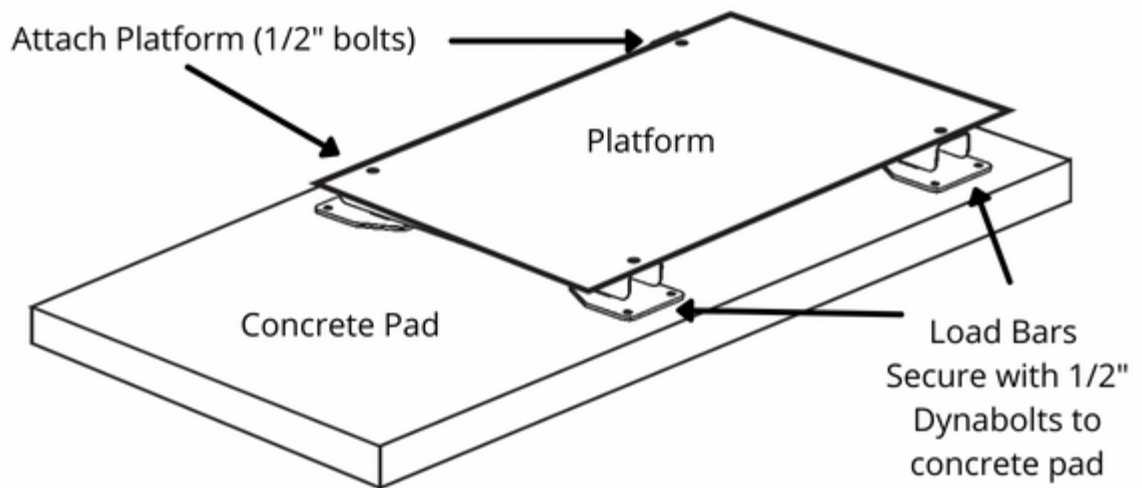
2. It is recommended that the load bars are secured to the foundation. To secure the load bars, follow these steps.
  - Mark the load bar feet holes on the foundation.
  - Drill and fit fasteners to suit the type of foundation. Dynabolts can be used with concrete foundations; bolts, nuts and washers can be used with board foundations.
  - Tighten the fasteners to secure the load bars to the foundation.

Ensure that the load bar chassis does not twist or distort as the fasteners are tightened.



A gap of at least  $\frac{1}{4}$  inch must be maintained between the floating top section and the main structure for the load bars to work correctly

3. Attach the crush or platform to the load bars using 1/2" bolts.



## CARE AND MAINTENANCE

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These Load bars are designed for use in a livestock environment and are therefore tough and reliable. However, proper care and maintenance can extend their life.

**Note:** This product is **not** suitable for use in harsh or corrosive environments

Below is a list of tips and guidelines for maintaining load bars.

- Although load bars are IP67 waterproof, it is recommended that they are not submerged in water.
- Cables should be positioned so they will not be stepped on or crushed. Run the cables through a duct to prevent damage.
- To prevent dust or moisture from entering the cables, replace the dust caps immediately after the load bar plugs are disconnected from the Scale,
- Any load bars with damaged cables should be returned for repair. Split or damaged cables can affect the performance of the load bars. If emergency repairs need to be carried out, the damaged cable should be wrapped with insulating tape.
- The platform and load bars should be cleaned up after use. Hose off all dirt, mud, etc, to prevent corrosion.
- If the load bars are not permanently installed, they should be stored in a dry place.

**Important:** When cleaning the load bars, do **not** direct a water blaster in the load cell area.