



LIBRA WEIGHBRIDGES  
**DOUBLE LIFE**  
 INVERTIBLE. FOR A LONGER LIFE.

## World Class Weighbridges

At Libra Weighing Machines we offer our weighbridges for hire, sale and lease purchase throughout the UK and worldwide. Our weighbridges can be manufactured as pit-mounted weighbridges or as surface mounted weighbridges and can also be built to meet any standards certified for use in ATEX environments. We supply complete weighbridge solutions with software and ticket printers and numerous options such as traffic control and driver operated weighbridge systems. Designed and manufactured in Sheffield, UK by industry specialist engineers and installed around the world, Libra weighbridges are built to withstand the harshest conditions on the planet.

The flagship of Libra's manufacturing is the Libra Double Life Weighbridge. Its advanced modular design and superior construction has proven popular with clients across many industries such as waste re-cycling and landfill, mining, logistics, construction and agriculture. The main obvious advantage of the Double Life weighbridge is that it is invertible. After many years of service, if the surface wears down, the whole deck can be inverted, revealing a fresh new weighbridge surface ready for countless more years of uninterrupted operation.



Napier Brown - 3x 18m Double Life's

The Double Life weighbridge decks are 200mm thick and made from reinforced steel granite composite and encased in heavy duty steel columns. They are tested to withstand in excess of 100 tonnes and will allow axle loadings of over 40 tonnes per axle. All of our Double Life weighbridges come with a 15 year guarantee, that is unheard of in the industry as most weighbridges manufactured today wouldn't even last that long. We have confidence in our products and pass that on to our customers as the Double life's are built to perform in excess of 50 years. Get in touch with us today to get the best weighing solutions tailored to your needs.

### **SUPER STRUCTURE**

Heavy duty re-enforced composite concrete, Encased in heavy duty steel columns.

### **HEAVY DUTY LOAD CELLS**

Ultra heavy duty ball bearing load cells eliminate the risk of side loading and overloading.

### **200mm DECK THICKNESS**

Unrivalled durability & strength. 150mm low profile decks also available.


### **MODULAR DESIGN**

Modular design allows for easy customization of length and width as well as load capacity. Easy transportation and international shipping.

## **15 YEAR GUARANTEE**

Unrivalled international warranty. Libra Weighbridges are built to last.



Manufactured to the highest standards in Sheffield, UK. 



**Lafarge Aggregates**  
20 metre *Double Life*

**Scottish Highways**  
Pit mounted 18 metre *Double Life*

**Farmers Co-op**  
18 metre *Double Life*

**Oxfam**  
15 metre *Double Life*

Most weighbridges are only as good as the welding that holds them together. The Double life is Non-Dependant on welding, as the concrete binds the weighbridge together and encases the welding.

We use a combination of High Grade C-40 Fibre Concrete and steel reinforcing completely encased in Heavy duty steel columns. The steel structure alone would carry over 100 Tonnes, then we add the concrete. This makes for an incredibly strong structure, believed to be the strongest weighbridge manufactured anywhere. The design has a minimum life span of 50 Years, with standard traffic volume.

**Weigh Beams** Ultra heavy duty ball bearing load cells eliminate the possibility of side loading promising accurate measurement time and time again. They are all OIML R60 approved and weather sealed to IP68 standards. Optional digital weigh beams and load cells also available.



**Weight Indicator** Our Standard Indicator has a user friendly touch screen interface, with auto prompting for the operator, it will store all the data as a report and print out as required.

**Ticket Printer** Epson TM295 as standard, which is a rugged slip printer, ideal for dusty and dirty environments; they simply keep going under the most arduous conditions. Other printer options available such as thermal and IP68 sealed outdoor units for unmanned weighing systems.



**Installation** Simple galvanized , Para bolts, or resin anchors, installed following placing of the weighbridge. This allows for a low cost foundation, if any required. A Portable Double Life is also available with steel spreader plates and heavy duty steel or concrete ramps as optional extras.



**Health & Safety** An Optional removable centre grid for easy cleaning access is available. For pit mounted installations, the grid system is more favourable for Health and Safety 1997 regulation 3 work in confined spaces, over manholes, due to much easier access and less chance of gas and chemical build up in the pit.



**Civil Works** If there is a flat level hard standing in place, it may be possible to utilise that, if not we have pre cast or cast in situ foundations available, in House, to suit all site conditions.



**Hire & Lease purchase** The Double Life is also available on hire or Lease Purchase. The Double Life is a large part of our UK hire fleet due to it's ease of installation and durability.



Libra is proud to have worked with: **Heidelberg Cement Group, E-On Electric, Oxfam, Banks Group, British Nuclear Power, Power Gen, Lafarge, Tarmac, Porta-Silo, Napier Brown** and countless more including governments and councils worldwide.



Libra Weighing Machines Ltd  
The Haven, Pipworth Lane  
Eckington, Sheffield  
S21 4EY, United Kingdom

info@libraweighing.co.uk  
www.libraweighing.co.uk  
Tel: +44 (0)1246 433 400  
Fax: +44 (0)1246 433 405

## TECHNICAL SPECIFICATIONS

Capacity	Any required; As Standard between 10t - 200t
Length	Any required; As Standard: 5m, 8m, 12m, 15m, 18m & 20m
Width	Any required; As Standard: 3m, 3.5m & 4m
Axle Loading	Any required; As Standard 40 tonnes
Load Cells	Ball bearing design ensures side loading of the beam is impossible. 300% Overload factor built in, plus lightning protection. OIML R60 Approved. 30/40 tonnes each. Fully guaranteed.
Superstructure thickness	200mm as standard, 150mm available for low profile installation
Anti - Corrosion	Shot-blast to SA 2.5 amplitude, followed by primer and acrylic polyurethane coating. Significantly protecting the structure from exposure and damage from freeze-thaw cycles, de-icing salts, seawater, salt spray and other deterioration mechanisms.
Construction Options	Galvanized Steel / Stainless Steel & 100 year composite concrete also available.
Safety Features	Heavy Duty side rails on above ground installations. Optional centre grid. Lightning Protection.
Foundations	Galvanized , Para bolts, or resin anchors, when required. Pre-cast foundations also available.
Commission Time	4 to 5 hours / 1 hour decommission
Circuitry	Housed in stainless steel junction box all sealed to IP68. Fully guaranteed.

## SYSTEM OPTIONS

Further documentation available on request for all system options.

- **Driver Operated Unmanned systems**  
Self service systems with weight Indicator, thermal printer & card readers. Fully weather sealed.



- **Integrated wheel wash**  
All in one system with high pressure jets that clean both inner and outer tyre walls, complete with water recycling.



- **Weigh-IT software**  
PC software linked directly to the weighbridge indicators lets you manage databases with ease.



- **Automatic Number Plate Recognition (ANPR)**  
Safe and secure unmanned weighing and access control.



- **Pre-Cast foundations**  
We can manufacture and install pre-cast foundations to save time and install usually all in one day.

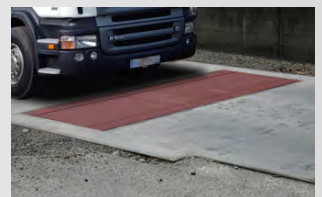


- **Remote display**  
Fully weather sealed units can be mounted on a wall or pole. Useful for drivers to view their loads in real time.



## Trade approved axle weighers

Also available as double life, our real time dynamic weighing platforms allow you to calculate the weight of a vehicle in transit, by summing the weights of individual axles. Designed for a flush floor installation and made from the same heavy duty materials as our Double Life weighbridges.



Libra Weighing Machines Ltd  
The Haven, Pipworth Lane  
Eckington, Sheffield  
S21 4EY, United Kingdom

info@libraweighing.co.uk  
www.libraweighing.co.uk  
Tel: +44 (0)1246 433 400  
Fax: +44 (0)1246 433 405