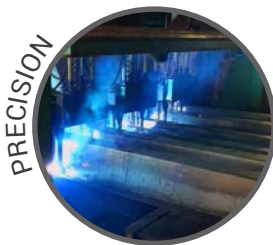




### **Libra HighWeigh Systems**

In over 30 years of production and service since the base design, the Highweigh weighbridge has proven itself as an industry leading weighing system. With over 2,000 units in operation worldwide, this is the most durable weighbridge on the market today.

The HighWeigh weighbridge is a heavy duty beam design, fabricated to the highest standards under strict quality control and factory testing. All joints are fully welded, sealing the internal structure from outside elements, while the external structure is protected with a 3 coat epoxy system. Designed for use as both a static and a portable weigh station when incorporated with our steel sub bases. The HighWeigh can be installed both Pit mounted and Surface mounted. Available in a multitude of sizes from 8m x 3m through to 20m x 3m and capacities from 20 tonnes to 120 tonnes. Custom size and capacities are also available upon request.



#### **Robot Welding**

Automatic Robot welding ensures perfect, fully sealed welds every time, stopping water and ingress creeping into the structure. High precision engineering of all parts and fittings, allows upgrading and retro-fitting a seamless procedure as all modules are exactly the same every time.

#### **Anti-Slip modular deck**

10mm thick skid resistant Deck Plate enables heavy use eliminating wear problems. A Special Interlocking System positions the deck modules exactly. The decks are fully sealed above and beneath to prevent ingress and have removable plates for easy access to the load cells.

#### **Protected Load Cells**

All load cell-bearing plates have triple pass welding to ensure maximum strength, the load cells are mounted under access covers to allow ease of inspection with all load cell cables protected in steel.

**Sales & Hire, UK & Worldwide. Enquire Today.**

**UK Call: 01246 433400 Email: [info@libraweighing.co.uk](mailto:info@libraweighing.co.uk)**

# LIBRAWEIGH BRIDGES

## HIGHWEIGH

### **High Capacity Independent Steel Transom Design Option**

The high capacity version has a completely independent transom design. These allow the load cells to be mounted away from the beams, eliminating stress points. They are fully enclosed, extremely rigid, and have a strength of over 50% extra, when compared to a standard non Transom design. This allows us to build a 50 Tonne weighbridge, while having the strength of 100 Tonnes plus. Obviously also increasing the lifespan of the weighbridge, due to the high strength, rigidity and minimal distortion. These are the same design principles used on the Golden Gate Bridge in the United States and the Millau Bridge in France.

**The independent transom design brings the Highweighs capacity up to over 500 tonnes and is proving to be a popular choice of weighbridge in mining, heavy haulage and Shipping industries.**



### **Technical Specifications**

Capacity	Any required; As Standard between 20 tonnes - 100 tonnes ( 500 tonnes with Transom option)
Length	Any required; As Standard: 8m, 9m, 15m, 18m, 24m
Width	Any required; As Standard: 3m, 3.2m, 3.5m, 4m
Axle Loading	Any required; As Standard: HighWeigh 30 tonnes. (50 tonnes with Transom option)
Load Cells	Heavy Duty Stainless Steel Ball Bearing; Double Ended Sheer Beam Type; Digital Option.
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	Steel painted; Optional Galvanized Steel.
Safety Features	Heavy Duty side rails on above ground installations; Lightning Protection built in.
Weight Indicator	L3590EQ w/ built in query keyboard; Water Resistant; Trade Approved OIML R76.
Ticket Printer	Epson TM295; Heavy Duty Flat bed; Prints Time, Date, First Weight, Second Weight, Auto Nett Weight, Vehicle ID, Product ID plus more options.
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.

**Guarantee** - HIGHWEIGH - Weighbridge Structure **5 years**. Electronics & Load Cells **2 years**.

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# LIBRAWEIGHBRIDGES

## HIGHWEIGH



### System Options

#### Non-Skid Ramps

(Surface mount)

4m L x 3m W x 440mm H  
Heavy Duty with lifting eyes  
& Base Plates.



#### Spreader Plates

(Portable Install)

500mm L x 4m W  
For Installation onto hard  
standings.



#### Unmanned System

Driver operated weight indicator  
terminal with thermal printer  
and card reader; Weather sealed.



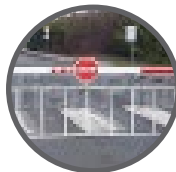
#### Remote Display

Weight repeater; 100mm tall,  
bright LED's display weight  
remotely; Weather sealed.



#### Access Control

Rising Arm Barriers on exit way  
of weighbridge; Automated and  
manual control.



#### Intercom System

For communications between  
the driver and operator;  
Stainless Steel; Marine Grade.



#### Libra WeighIT Software

Our own software package links a PC directly to the weighbridge indicator and allows more in depth control and Database management. Full stock control capabilities and reporting tools as well as download-able files for accounts.



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