

ATRAX



Atrax Truck Scales

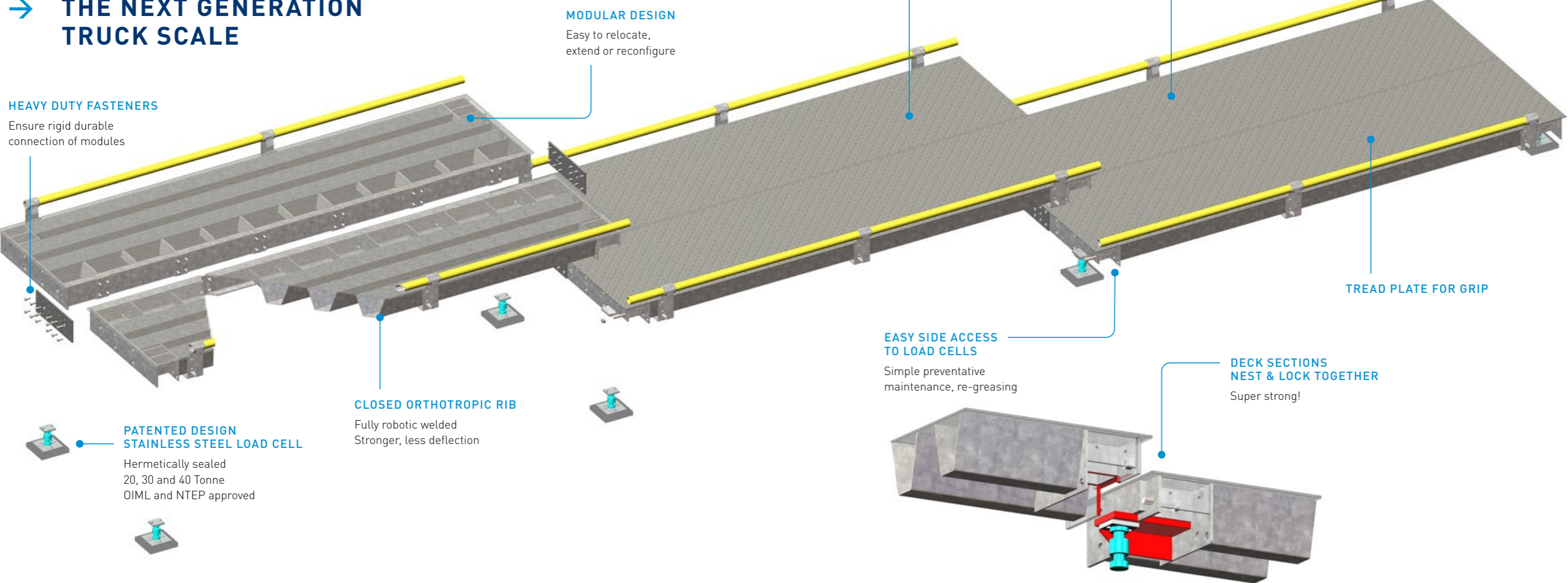
Steel deck truck scales
and accessories



Atrax – The Proven Choice

New Zealand owned, we have been in the industry for over 35 years. Atrax is the largest manufacturer of scales and systems in the southern hemisphere. We have customers in 150 countries. Atrax is accredited to issue Certificates of Accuracy – a legal requirement for commercial truck scales. ISO accredited for quality, safety and the environment.

- **ENGINEERED FOR STRENGTH**
- **BUILT TOUGH TO LAST**
- **THE NEXT GENERATION TRUCK SCALE**



HEAVY DUTY FASTENERS
Ensure rigid durable connection of modules

MODULAR DESIGN
Easy to relocate, extend or reconfigure

FULLY HOT DIP GALVANISED
Painted option available

10MM STEEL DECK

TREAD PLATE FOR GRIP

EASY SIDE ACCESS TO LOAD CELLS
Simple preventative maintenance, re-greasing

DECK SECTIONS NEST & LOCK TOGETHER
Super strong!

CLOSED ORTHOTROPIC RIB
Fully robotic welded
Stronger, less deflection

PATENTED DESIGN STAINLESS STEEL LOAD CELL
Hermetically sealed
20, 30 and 40 Tonne
OIML and NTEP approved

Why Atrax

Atrax is a New Zealand-owned company with over 35 years' experience in weighing. We have built a reputation as a leading global manufacturer and integrator of truck scale solutions. We offer expert preventative maintenance, calibration and support services.

Our build quality is first class. All our products are built to withstand harsh Australian, New Zealand and Malaysian environments.

Our promise

Atrax designs, manufactures, integrates and supports a full range of industrial weighing, measurement and process control systems. We listen to customers and engage in a consultative process that ensures you'll get exactly what you want, when you want it.

Lifetime support

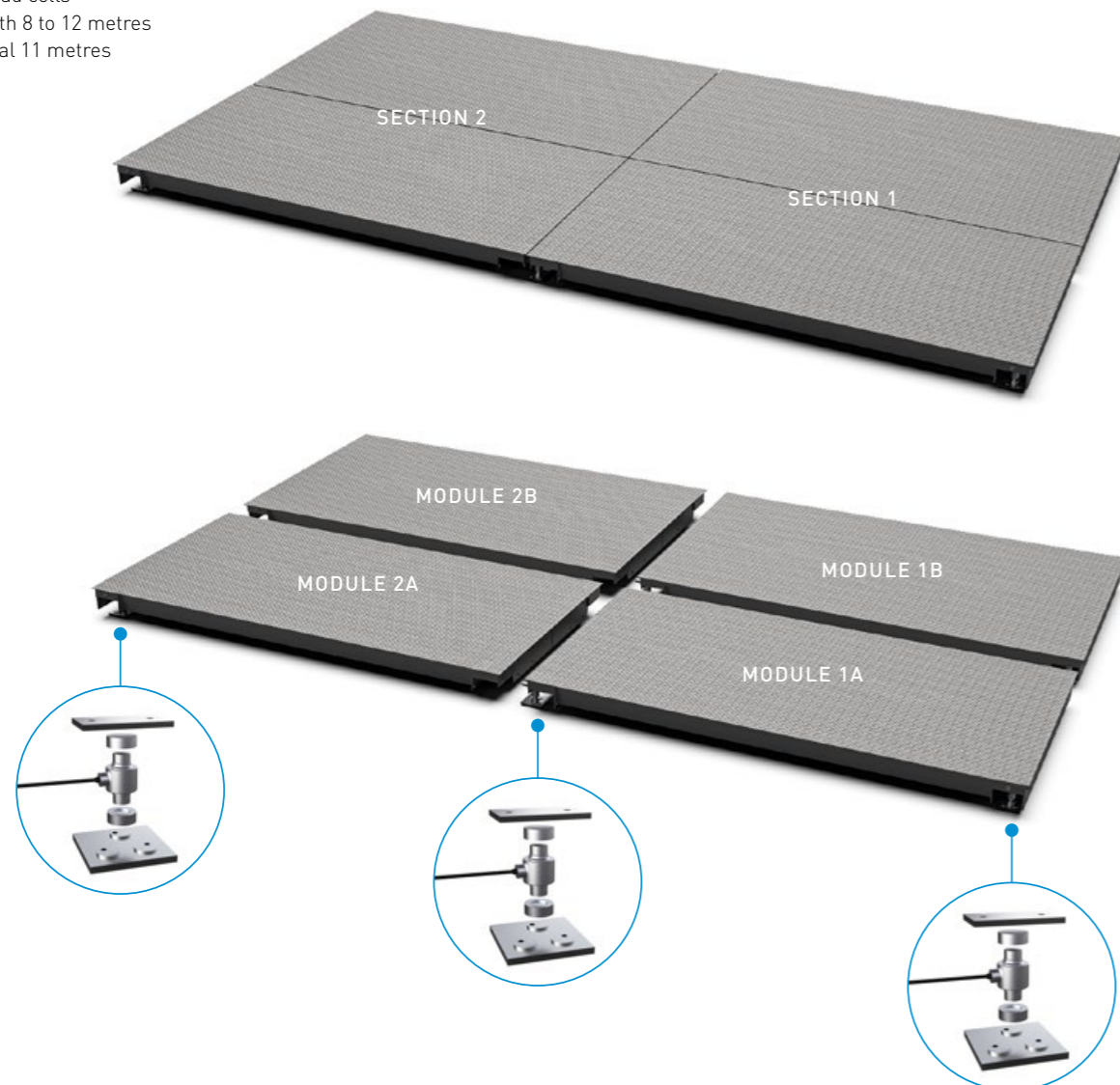
Lifetime support for all of your weighing scales and equipment. Atrax expert support services include preventative maintenance, calibration, servicing and repair. We automate your truck weighing, ensure accurate and legal compliance, and save you money in the long run.

Modular design

- The unique Atrax modular truck scale series can be configured to any size from 4 metres to 30 metres or longer.
- The regular width is 3.0 metres. Special widths from 2.8 metres to 3.8 metres can be supplied.
- Simple to transport to site, fast to install and easily expandable to meet your growing & changing business.

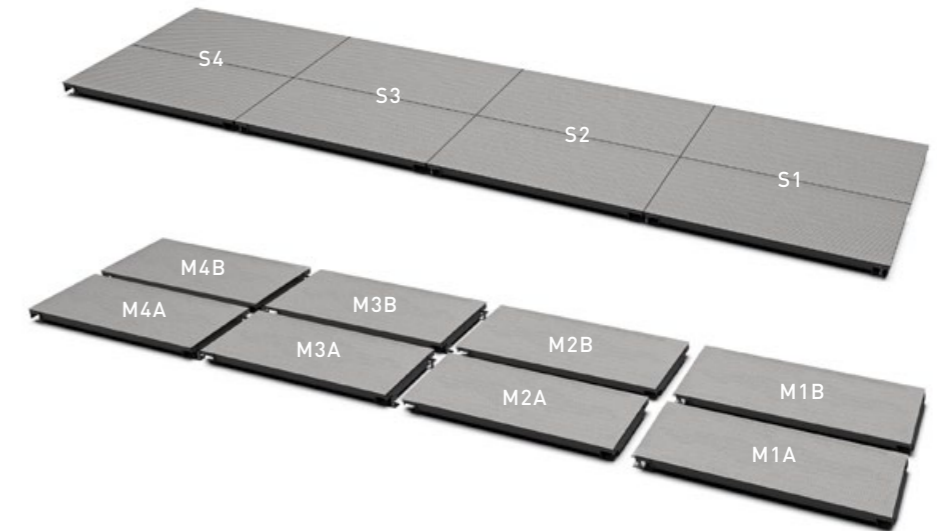
Two Section Deck

4 x modules
6 x load cells
Length 8 to 12 metres
Typical 11 metres



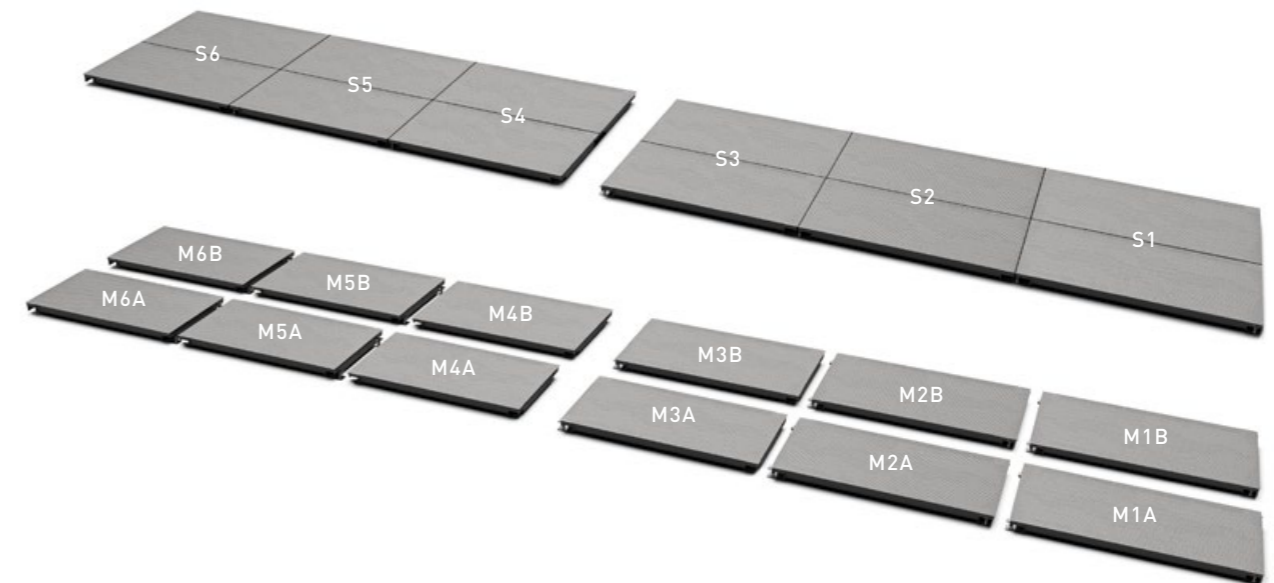
Four Section Deck

8 x modules
10 x load cells
Length 16 to 24 metres
Typical 18 & 21 metres



Split Weigh Deck

Weigh truck & trailer independently and at the same time
Requires dual input digital weight indicator
Typical 2 x 12 metre decks



Standard truck scale deck sizes

DECK SECTIONS	NUMBER OF LOAD CELLS	PLATFORM WIDTH	PLATFORM LENGTH MINIMUM TO MAXIMUM	TYPICAL LENGTH
One	4	3.0 metre	4.0 mtr to 6.0 metre	5.5 metre
Two	6	3.0 metre	8.0 mtr to 12.0 metre	11.0 metre
Three	8	3.0 metre	12.0 mtr to 18.0 metre	12.0 – 16.5 metre
Four	10	3.0 metre	16.0 mtr to 24.0 metre	18.0 – 22.0 metre
Five	12	3.0 metre	20.0 mtr to 30.0 metre	24.0 – 26.0 metre
Split deck – 2 x 3 module decks	8 + 8 16 Total	3.0 metre		2 x 12.0 metre decks 24.0 metre overall

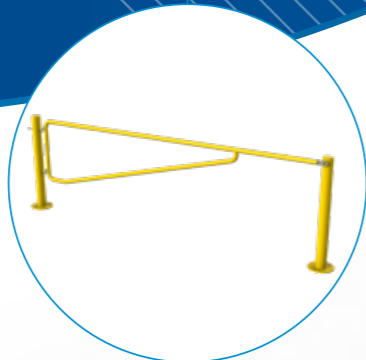
Customised sizes are also available.

Components and accessories

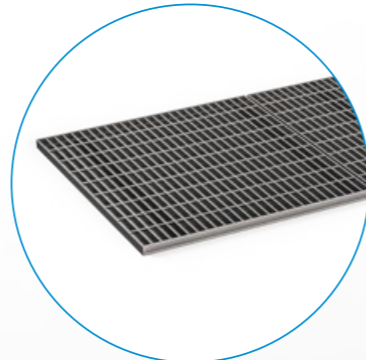
LARGE FIGURE DISPLAY



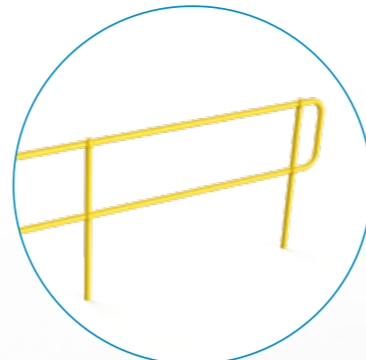
BRIDGE GATE



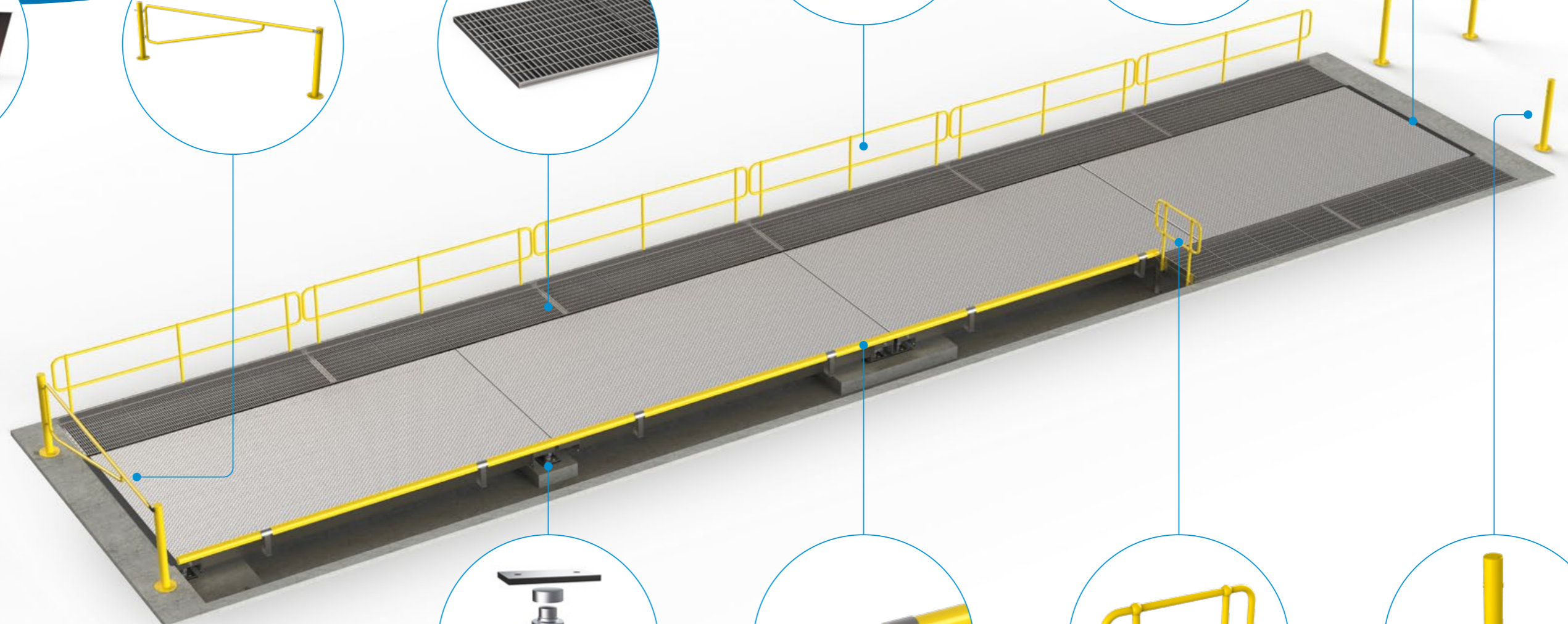
WALKWAY TREAD PLATE



WALKWAY SAFETY RAIL



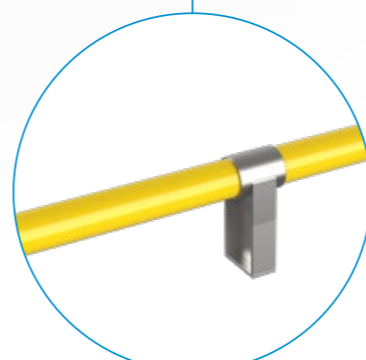
T-STRIP EDGE COVER



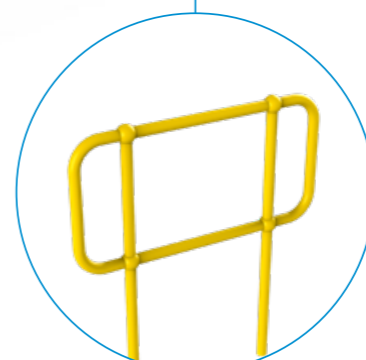
LOAD CELL



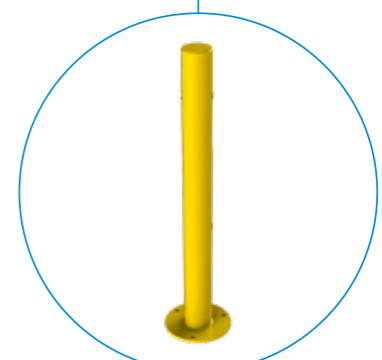
GUARD RAIL



WALKWAY BARRIER



BOLLARD



Foundation options

Accuracy begins with the proper foundation

Choosing the correct foundation design for local ground conditions is critical to scale performance and trouble-free operation over the long life of the bridge. For both above ground or shallow pit installations, each load cell requires a steel reinforced foundation to facilitate consistent accuracy over the lifespan of the bridge.

Proper site planning must consider your operation's traffic flow, suitable ground conditions for foundations and drainage, electrical & conduit requirements and ease of maintenance.

Above ground foundation installation

Suitable excavation and load cell foundations are still required for an above-ground installation but drainage and accessibility are simplified compared to a pit type installation. Cleaning any build-up of debris beneath the bridge, and access to the load cells, is easier with an above ground installation.

Ramps are required at each end of the scale, which takes up a bit more site room. Level approach and exit areas are needed if a truck and trailer combination cannot fit together on the scale and must be weighed individually, or if individual axle weights must be displayed.



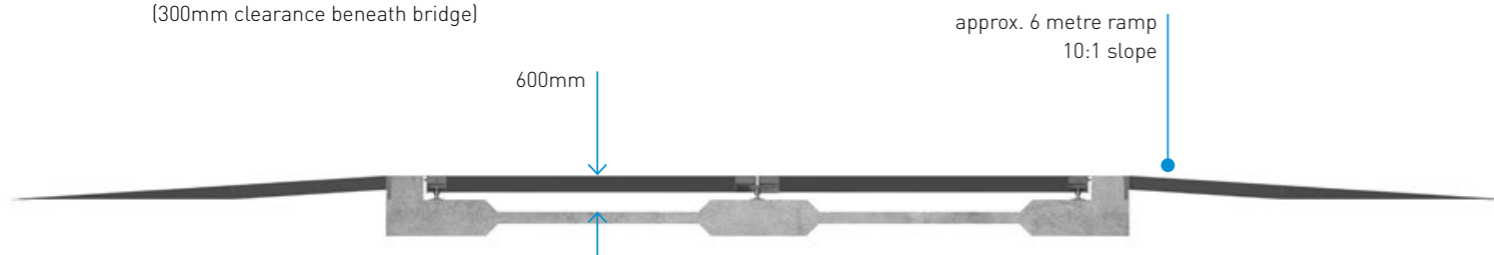
Low profile above ground installation

(100mm clearance beneath bridge)



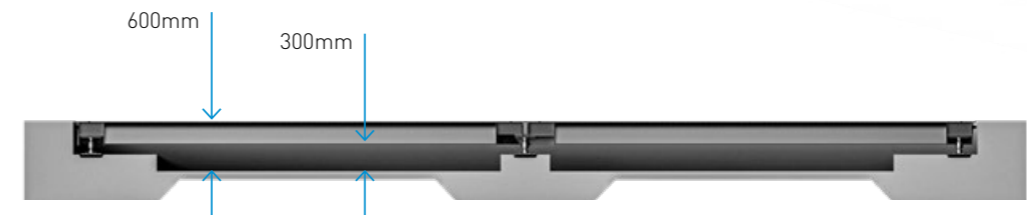
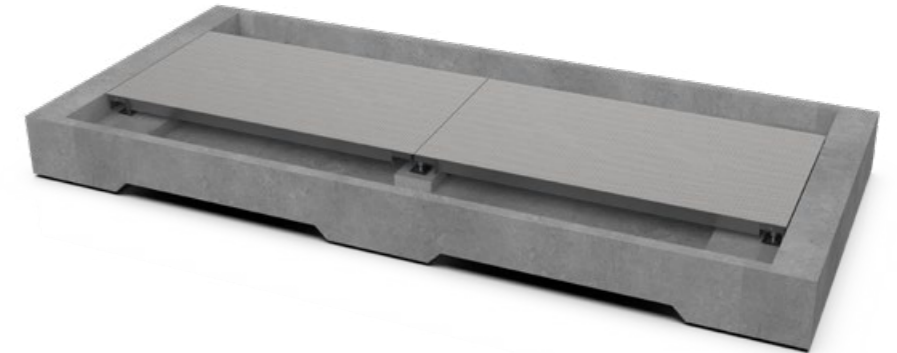
Standard above ground installation

(300mm clearance beneath bridge)



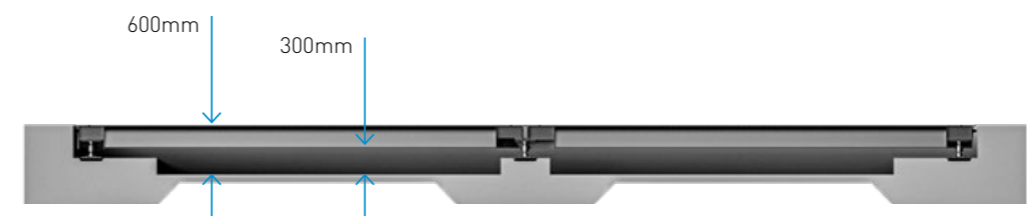
In-ground pit installation

The bridge is level with the ground so approach and depart areas allow axle weighing and separate truck/trailer weights to be captured, even with shorter bridges. The clear areas on each side of the bridge allow for easy maintenance and clearing out beneath the bridge. A tread plate walkway or handrail can be fitted down each side of the bridge for pedestrian use.



Flush pit installation

This installation suits very space-restricted sites. It allows light vehicle access to drive across the scale sides. (Heavy trucks should be restricted to drive the length of the scale only.) Load cell access is via small removable plates on the bridge top deck. Access for cleaning beneath the bridge is difficult and large, reliable sump drains are essential.



Components

Load Cells

Accurate weight sensing with rugged fully stainless steel cannister load cells.



Patented column support design and a fully welded, hermetically sealed enclosure keeps out moisture and ensures stable accuracy and greater reliability over a wider temperature range.

The weight sensor load cells in your truck scale are the most critical component for accuracy and reliability. Atrax load cells are used and trusted in more than 150 countries, delivering accuracy and trouble-free operation over a lifetime.

Remote Displays

Large Figure Displays for clear viewing of scale information or traffic control.



Alphanumeric displays in red, green and amber colours, readable in bright sunlight and from long distances, will increase traffic throughput and improve driver experience and safety.

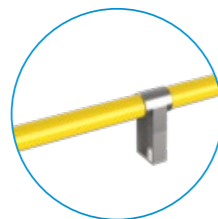
Digital Weight Indicators

A range of digital indicators to meet your exact needs, from basic weighing through to advanced units for multiple split deck platforms, axle weight calculations and more. All Atrax indicators are compatible with the automated Weightrax software systems.



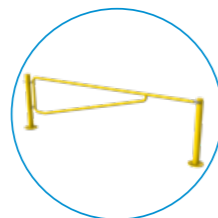
Guard Rails

Strong galvanised rails to guide vehicles over the bridge. Any high impact damage from vehicles is absorbed by the rail, which protects against damage to the bridge structures. Rails are easily replaced if required.



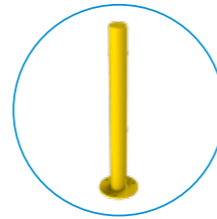
Bridge Gate

Simple hot dip galvanised manual swing gates for closing the bridge when not in use.



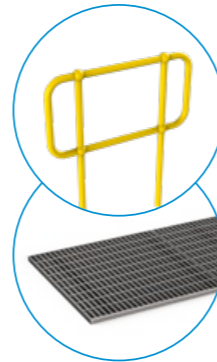
Bollard Posts

Heavy duty steel bollards are available in hot dip galvanise or safety yellow finish. They are used to guide vehicles on and off the bridge, ensuring correct alignment. Tall extension flexible posts are available to aid driver visibility.



Walkway Safety Rails & Tread Plate

Modular hot dip galvanised pedestrian safety barriers for controlling and protecting any pedestrian movement on and around the truck scale.



Walkway tread plate that can be easily removed for service and cleaning access.

T-Strip Edge Cover

Heavy moulded rubber strip inserts between the bridge deck and surrounding pit.



Prevents dirt and debris falling into the pit and building up beneath the bridge. Also useful with automated systems, preventing drivers from dropping credit cards and tickets into this gap.

Lightning Protection

The Atrax load cells and bridge installation have standard lightning and surge protection included.



For higher risk lightning areas, a variety of additional transient protection and earthing systems are available on request.

Truck scale data anywhere, anytime

Weightrax software runs your truck scale, capturing transaction data and making it available in real-time on any device. Easy connectivity with accounting systems to automate invoicing and eliminate re-keying. Flexible reporting options. Capture and send data immediately, even on isolated sites. Data stored securely and backed up in the cloud. Runs even if the internet goes down.



Next-level truck scale automation solutions

Weightrax offers full or part truck scale solutions that integrate easily with other systems and components, are easy to service and use new automation technologies that strip time and cost out of your operations. Less work, more profit and a superior user experience.

Give loader drivers visibility of all onsite vehicles and their orders – even at remote sites. Remove the need for truck scale operator staff. Increase the accuracy and efficiency of job handling. Automate critical steps including contactless point of sale and account billing.



Servicing, support, repair and calibration for scales & systems

We offer lifetime support for your weighing scales and equipment. Let us manage your legal compliance and be confident that your weights and measures are right. Atrax offers experienced, specialised scale technicians that do a top job.



TRUSTED IN 150 COUNTRIES FOR OVER 35 YEARS



Atrax is the world leader in the design, manufacture, integration and support of industrial weighing, dimensioning and related control systems for the airport and logistics industries. Over 800 airport sites across 150 countries use Atrax products and systems.

Contact us to discuss your needs. Ask us for a quick video overview. Depending on your location we can arrange an onsite visit to show you an installed truck scale system.

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Atrax is accredited for:
ISO 9001:2015 (Quality Management)
ISO 14001:2015 (Environmental Management)
ISO 45001:2018 (Occupational Health & Safety Management)

Accredited by Government Trading Standards
to Verify & Certify Weighing & Measuring equipment



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