



Electro/ Hydraulic Telescopic Lip Dock Leveller

Model ARTL

Electro/hydraulic telescopic lip dock leveller, offering the ultimate infinite lip adjustment onto the bed of the docked trailer

Features

The platform rise and lower button is activated, raising the platform to the required position. The lip extend and retract button is then activated. The lip glides forward to the required position.

With the lip extended the platform and lip of the Model ARTL electro-hydraulic telescopic lip dock leveller will lower until the trailer bed is sensed.

At this point, the platform will follow fluctuations in height during loading and unloading. The lip can be extended or retracted to any operating position. When loading is completed, by pressing the auto return button, the dock leveller will automatically return itself to the cross traffic parked position.

The platform, plus a 500mm or 1000mm telescopic lip, operates hydraulically via an integral powerpack fixed to the dock leveller sub-frame. It is designed, manufactured and tested in Europe to EN1398 and has an operational load capacity of 6000kg per single axle.

The platform deck is made from 8mm chequer plate and is supported by 166mm x 50mm x 4mm steel channels. It is designed to combine longitudinal strength with permissible diagonal tilt to facilitate loading and unloading of uneven vehicle floors.

A special rear hinge design maintains a level plane at the rear of the dock whilst tilt is in operation.

The lip is manufactured from durbar plate steel with a chamfered leading edge. This enables easy and smooth transfer of goods onto the vehicle deck. With the lip extended, the projection in front of the dock edge is either 500mm or 1000mm, depending on model. A level interface is maintained with the vehicle thanks to a 5° curvature within the lip, which provides enhanced operating range.



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Cylinders – One single-acting cylinder controls the telescopic lip with one single-acting displacement cylinder for above and below dock control.

Toe guards – Providing maximum safety through the full operating range. There are yellow and black hazard stripes on the visible edges of the platform toe guards. All toe guards are fitted with gradient indicators for added safety.

Hose failure – The lift cylinder is fitted with a hose failure valve to arrest and control platform descent in the unlikely event of hose failure.

Hydraulic – All hydraulic systems are designed to manage twice the operating load.

Maintenance – A non-removable safety prop is attached to the underside of the platform and engaged on a keep on the subframe.

Options

- Standard widths are 1750mm, 2000mm and 2200mm. Any other size is also available.
- Standard lengths are 2000mm, 2500mm, 3000mm and 3400mm. Any other size is also available.
- Available in a range of pit-mounted, suspended frame, or box model designs.
- The dock leveller can be mounted into a steel sub-frame instead of a traditional pit.
- Upgrade load capacity to 9000kg or higher.
- Lip options including a tapered design or retracting segments.
- Standard colour options are usually black RAL 9005 or blue RAL 5010. All non-standard colour options are available.
- For wet environments, the leveller can be manufactured with a cold galvanised or hot-dipped galvanised finish.

A range of integrated control systems is available



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