



Electro/ Hydraulic Swing Lip Dock Leveller

Model ARSL

Electro/hydraulic swing lip dock leveller, with built in flexibility to accommodate a vast range of vehicle bed heights

Features

The push button is held depressed, whereupon the platform will rise to the top of its range and the lip will swing out under control. With the lip extended the button is released and the platform and lip will lower until the trailer bed is sensed, upon which the platform will follow fluctuations in height during loading / unloading.

The platform plus a 400mm long hinged lip operates hydraulically via an integral power pack fixed on the leveller sub frame. Designed, manufactured and tested in Europe to meet European Standard EN1398 with full operational load capacity of 6000KG per single axle.

Platform deck is manufactured from 8mm thick durbar chequer plate which is supported by purpose made 166mm x 50mm x 4mm thick steel channels. It is a designed feature to combine longitudinal strength with permissible diagonal tilt to facilitate loading / unloading of uneven vehicle floors, the special rear hinge design maintains a level plane at the rear of the dock whilst tilt is in operation.

The lip is manufactured from 15mm thick durbar plate steel with a chamfered leading edge which enables easy smooth transfer on to the vehicle deck. With the lip extended, the projection in front of the dock edge is 350mm, a level interface is maintained with the vehicle via a 5° curvature within the lip which provides enhanced operating range.

The lip is manufactured with a maintenance free open hinge design.



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Cylinders – One single acting cylinder is employed for the control of the hinged lip with one single acting displacement cylinder for above and below dock control.

Toe guards – Providing maximum safety through the full operating range, yellow and black hazard stripes are provided to 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 hydraulics are designed to withstand twice the operating load

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

Options

- Standard widths are 1750mm, 2000mm and 2200mm but any other size is also available.
- Standard lengths are 2000mm, 2500mm, 3000mm and 3400mm but any other size is also available.
- Available in a range of pit mounted, suspended frame or box model designs.
- Mounted into a steel sub-frame instead of a traditional pit.
- Upgrade in load capacity to 9000kg or higher.
- Lip options including extended length, tapered design, knock down segments.
- Standard colour options are normally Black RAL 9005 or Blue RAL 5010, but any non-standard colour option is possible.
- For wet environments, the levellers can be manufactured with a cold galvanised or hot dipped galvanised finish.

A range of integrated control systems is available .



This is a standard ARMO product. We can also design and manufacture bespoke equipment that meets your specific needs.

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