

stertil®
DOCK
P R O D U C T S

DOCKLEVELLERS

P-Serie

Advanced ergonomics:
horizontal lip
in all positions



STERIL
SUPERIOR SOLUTIONS BY
QUALITY PEOPLE

Superior solutions by quality people



The Stertil Group offers its clients worldwide customised, technologically advanced solutions for all heavy duty loading dock and lifting equipment needs. This includes the best possible service provided by strong local partners around the world. These superior solutions are conceived, developed and implemented by a team of specialised professionals with unique expertise. Thanks to its "quality people", complete in-house production and international organisation, Stertil is the world's leading company for loading bay equipment.

Smooth-running loading and unloading

The Stertil P Series dock leveller offers superior ergonomics thanks to the hinged lip which always maintains a horizontal position when deployed. No other dock leveller provides such a smooth and simple transition from loading bay to vehicle as the P Series, thanks to this unique and innovative patented parallelogram lip mechanism. Even a ball can sit without moving on the lip while it is being raised or lowered. This unrivalled ergonomic design results in smoother loading and unloading, which subjects personnel and handling equipment to less physical impact. Moreover, the design significantly reduces vibration and noise. With a dynamic load rating of 6 tonnes and an extensive range of platform sizes, the P Series is suitable for use in

almost any loading dock situation. It is especially suitable for pallet trucks with low levels of ground clearance, and the 8/10 platform surface enables the use of 3-wheeled forklift trucks.

Optimum safety

The P series meets the EN 1938 safety standards. In case of premature vehicle departure (if the forklift truck is still on the leveller), the automatic panic-stop activates. The leveller in most cases remains in operation even after a panic-stop situation. The emergency stop button on the control box can also be operated at any time. The platform can tilt 125 mm to both sides without influencing the functionality of the centre positioned robust main cylinder and, therefore smoothly following the movements of the truck. During maintenance, the platform is held safely in position by means of a special maintenance strut.



Advanced ergonomics: horizontal lip in all positions



Unique open lip hinge



One hydraulic (main) cylinder



The platform can tilt 125 mm at both sides



Two safety legs



Horizontal lip in all positions



Closed rear hinge

When the platform is in parked position, it is automatically supported by two cross-traffic safety legs.

Advanced but simple control

Practicality and safety go hand-in-hand with the P Series advanced control system. The dock leveller can be positioned perfectly at the touch of a single button. There are several advanced control options which provide additional functions: door control, shelter control, auto park, automated interlock to prevent operation when the dock door is not fully open, and automatic door closure locking until the leveller has been parked correctly. Traffic lights, dock lighting and wheel lock systems can also be connected to the dock leveller control.

Improved efficiency

Thanks to the P Series dock leveller's exceptionally smooth loading and unloading, there is practically no risk of grounding even with low clearance trucks. The severely reduced impact ensures that the risk of damage to goods during loading is minimal. Most importantly, it also ensures that loading equipment is subject to less wear and tear, thereby considerably increasing operating life and cutting maintenance costs. Significant cost savings can also be achieved by reduction of absenteeism among staff due to sickness or injury; this is because they are able to carry out the same work more comfortably and with less physical exertion.

Excellent with regard to ergonomics and efficiency



Extensive choice of sizes

The P Series offers numerous possibilities customised to your dock for most efficient use. The length of the platform will primarily be determined by the height difference between the warehouse floor and the expected range of truck beds. Stertil bases its sizes on a lower maximum incline than is permitted by EN 1398, in order to guarantee smoother loading and unloading with less physical strain. We would be happy to advise you about the most efficient sizes and designs at the early stages of dock planning.

Standard sizes

Length excluding lip

Lengths (mm)	Theoretical working range (mm*)				Frame height (mm)	
	Above dock PP	Above dock PF	Below dock PP	Below dock PF	PP**	PF**
2000	195	215	254	265	585	700
2200	190	220	235	395	585	700
2500	270	245	225	335	585	700
2800	295	300	215	370	585	700
3000	265	270	215	360	585	700
3500	360	360	295	295	700	700
4000	370	370	280	280	700	700
4500	335	335	275	275	700	700

Platform width (mm) 1750, 1830, 2000, 2110, 2250

* Calculated with a 400 mm lip and a 100 mm-thick bumper.

** Codes P and F represent pit or frame installation. For specific pit sizes, please contact Stertil Dock Products.



Advanced control box



Technical specifications

- The platform, beams and lip are manufactured from high tensile steel (s355JO / steel 52). Both the platform and the lip have a tear plate surface (8/10 mm and 13/15 mm respectively), making them suitable for 3-wheeled forklift trucks.
- The lip length is 400 mm as standard with an 80 mm chamfer on the front edge.
- All frame components are galvanised except the front angle. Standard protection is an anti-corrosive coating and paint finish to 80 micrometres total thickness. The standard colour is black RAL 9011; this colour is also applied to the front angle. Special colours are available at extra cost.
- The unique design includes a central (main) cylinder, front-mounted for maximum lifting efficiency, a lip hinge with a parallelogram mechanism, a closed rear hinge, and automatic safety legs with damping rubbers.
- Wide choice of control box functions with numerous options, such as integrated operation with the dock door or shelter.



Below Dock Control



Options

- Fully hot-dip galvanizing of the leveller.
- Draught-excluding brush or rubber seals between the platform and pit walls.
- Various dock bumpers (rubber, plastic or movable).
- Thermal insulation under the platform.
- Noise-reducing anti-slip coating (up to 10dB noise reduction) on the platform and lip.

Installation

The P Series can be installed with a base-supported frame (PP) in a closed pit, or a suspended frame (PF) in an open pit. Both types of installation are simple to carry out. Stertil can provide all the necessary information for construction and installation including drawings.

Stertil's complete programme of products for superior solutions

• Docklevellers

P-Series | X-series | S-series | LA/HA-series (mini)

• Combilok

• Dockshelters

WI-/WIS 300 series | TP-/TI 1000 serie | W-500 serie

• Accessories

Dock bumpers | Wheel guides | Platform lights | Traffic lights

Further information

For more information about the P Series and other dock levellers, dock shelters, dock houses, locking/safety systems etc, please feel free to contact us. We will be happy to assist you with individual advice to provide you with a superior solution.



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