

**ster<sup>®</sup>til** **DOCK**  
P R O D U C T S

DOCK LEVELLERS

# S-series

The superior solution  
with open lip hinge



**STERTIL**  
SUPERIOR SOLUTIONS BY  
QUALITY PEOPLE



# Superior solutions by quality people



## Dock levellers S-Series. Safer, more versatile and stronger because of open lip hinge

The S-Series Dock leveller is equipped with a hinged lip. The robust leveller concept enables dynamic capacities of 6, 8, 10.5 and 12 ton. The S-series are therefore extremely versatile. The transition between the warehouse floor and truck is always easy and smooth, thanks to the closed rear hinge, the lip bevel of 80 mm and the thin front of the lip with a thickness of only 2 mm. During the loading and unloading process the leveller adjusts itself automatically to the changing floor height of the truck, even if the truck is loaded uneven! The S-Series, which are available in many different sizes, are an excellent choice for almost every dock situation.

## Optimum safety

When the truck accidentally drives away too early - while the fork-lift truck is still on the platform - the automatic panic-stop activates and secures the platform. The platform is positioned by means of one hydraulic cylinder at the front. This system is safer than two cylinders which are placed in the back, because during an emergency stop all forces need to be caught first at the front. Furthermore, the platform can twist smoothly 125 mm to both sides for maximum stability and safety for uneven loaded trucks. When the platform is in rest position, it is automatically supported by two safety supports so that cross traffic over the platform is safely possible.

The Stertil Group offers his customers from all over the world customised and technological advanced solutions for their heavy duty lifting needs, including the best possible service by strong local partners. These superior solutions are created, designed and realized by a team of skilled specialists with a unique expertise. Thanks to the quality people, a complete own production and an international organization, Stertil is the world's leading company in the field of dock levellers and dock shelters.



The levellers are at the sides equipped with toe protectors and yellow-black marking.

## User friendly control box

In the advanced control box of the S-Series usability and safety go hand in hand. You can position the leveller perfectly by using only one button. Refer to our control box folder for extended possibilities of our control boxes.

## Lifetime warranty on the open lip hinge

The unique hinged lip has big advantages. Thanks to the open construction, accumulation of dirt is impossible. Furthermore, the construction is much stronger than a traditional piano hinge.

That's the reason why you get a lifetime warranty on the open lip hinge. The levellers which are larger than 2000 mm are equipped with a tapered lip for badly centered trucks.

## Options

- Possibility for safety circuit dock and door.
- Traffic lights for indoors and/or outdoors.
- Thermal galvanization of platform and lip.
- Draught exclusion for sealing of crevices between the platform and pit walls.
- Several models of platform bumpers (rubber, PE and movable bumpers).
- The standard lip length is 350 mm. 400 mm, 450 mm or 500 mm are available as an option.

- Noise reducing (till - 10 dB) anti-slip coating on platform and lip.
- Insulation underneath the platform.
- Large choice of control boxes, with an integrated control of the dock door or inflatable shelter available as an option. An auto-return push button is also available as an option.
- The lip angle is standard 7.5°, but can be decreased if needed for load and unload material with a very low ground clearance.

# The superior solution with open lip hinge



Unique open lip hinge



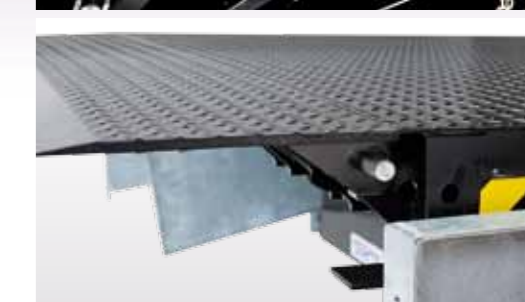
One hydraulic main cylinder



The platform can twist 125mm to both sides



Two safety supports



The lip angle is standard 7.5°



Tapered lip



# The highest level in ergonomics and efficiency



## Excellent choice of sizes

The S-Series offer versatile possibilities for a perfect customization. The length of the platform is mainly determined by the height difference between the warehouse floor and the different types of trucks. The used internal means of transport are taken into account in accordance with the applicable EN1398 directive. We like to advise you already in an early stage of your dock planning about the most efficient dimensioning and execution.

## Standard sizes

Length excluding lip

Lengths (mm)	Working range (mm) *		Frame height (mm) Models SF** and SP**
	above dock	below dock	
2000	238	315	585
2200	260	300	585
2500	300	310	585
2800	340	300	585
3000	350	305	585
3500	435	355	700
4000	445	340	700
4500	406	330	700

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

\* Calculated with a 350 mm lip and a bumper with a thickness of 100mm.

\*\* Coding F end P represent frame or pit installation. For specific pit details, contact Stertil Dock products\*.



Advanced control box



## Technical specifications

- The platform, the beams and the lip are made of high strength steel (s355 jo /steel 52). Both the platform and the lip are equipped with bulb plate (8/10 mm resp. 13/15 mm) as anti-slip surface. This plate thickness makes the S-Series also suitable for 3-wheel fork-lift trucks.
- The levellers are already equipped with cables and a cable tree between the leveller and the control box.
- All frame parts, except the front cross beam, are galvanized. The standard conservation: blasted, primed and sprayed in a layer thickness of 80 micrometer. The standard color is black ral 9011, the same color is used for the cross beam. Special colors are available at an extra charge.



Below Dock Control

- The construction is unique with, amongst others, one central cylinder at the front for maximum safety, a self cleaning open lip hinge, standard beveled lip corners and automatic safety supports.
- Below dock control (BDC) is for all standard S-series levellers possible. An automatic below dock control is available as an option. In this way, it is easy to load and unload the end cargo when the floor of the truck is lower than the height of the platform.
- The S-Series are in accordance with the EN 1398 directive.
- The leveller is equipped with both a hose burst valve as an electrical emergency stop valve.
- Standard connection values: 3x230/400V 50/60Hz (for the US and Japan: 3x208/460V 50/60Hz).

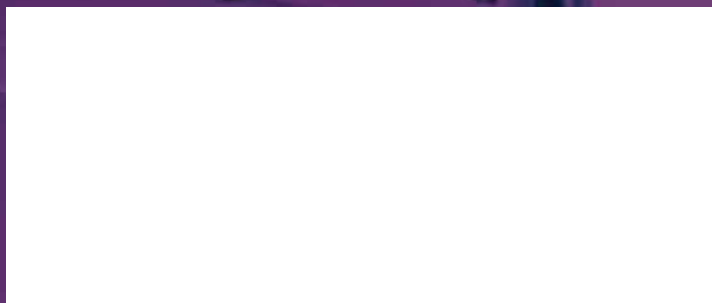
## Installation

The complete S-Series may be installed with a standing frame (SP) in a closed pit and with a hanging frame (SF) in an open pit. Both installations are easy to perform. Stertil has for all construction methods flush mount drawings with all necessary information.

## More information?

Please contact us for more information about the S-Series leveller or our other products, shelters, dock houses, blocking systems, etc.

We will gladly give you personal advice for a superior solution.



Stertil B.V.  
P.O.Box 23  
9288 ZG Kootstertille  
(The Netherlands)  
Tel. +31 (0)512 334444  
Telefax +31 (0)512 334430  
[www.dockproducts.stertil.nl](http://www.dockproducts.stertil.nl)  
e-mail [info@stertil.nl](mailto:info@stertil.nl)