

# Product datasheet

## Dock leveler

### ASSA ABLOY DL6010SA

**ASSA ABLOY**

ASSA ABLOY Entrance Systems

The global leader in  
door opening solutions



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# Technical facts

## Features

Sizes - nominal length*	2000, 2450, 3000 mm	
Sizes - nominal width	3300, 3500, 3600 mm	
Sizes - leveler width	2000, 2200 mm	
Vertical working range	Above dock:	0-400 mm
	Below dock:	0-360 mm
Platform tear plate	Standard:	Thickness: 6 mm (6/8) (1,3 N/mm <sup>2</sup> )
	Option:	Thickness: 8 mm 8/10 (6,5 N / mm <sup>2</sup> )
Surface treatment:	Standard:	RAL 5010
	Option:	RAL 3002
		RAL 6005
		RAL 9005
		Hot dip galvanised
Control Unit	Leveler control Door control Shelter control Fault & service indicator	

\* Other sizes are available on request

## Performance

Load capacity:	60kN (6 tonnes)
Max. point load:	6 mm (6/8) (1,3 N/mm <sup>2</sup> )
Motor hydraulic unit:	0,75kW
Mains supply:	400V 3-phase, 230V 3-phase
Control unit protection class:	950-series IP54
Allowable oil types:	ASSA ABLOY standard hydraulic oil (-20°C - +60°C) ASSA ABLOY low temperature hydraulic oil (-30°C - +60°C) ASSA ABLOY bio hydraulic oil (-20°C - + 60°C)
Magnetic valves:	24V/DC 18W S1
Surface treatment paint class 1:	80 µm C2 M acc. DIN EN ISO 12944-2
Surface treatment paint class 3:	160 µm C3 M acc. DIN EN ISO 12944-2
Surface treatment galvanised:	Hot dip 80 µm C4 & C5-I M acc. DIN EN ISO 12944-2

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# 1. Description

## 1.1 General

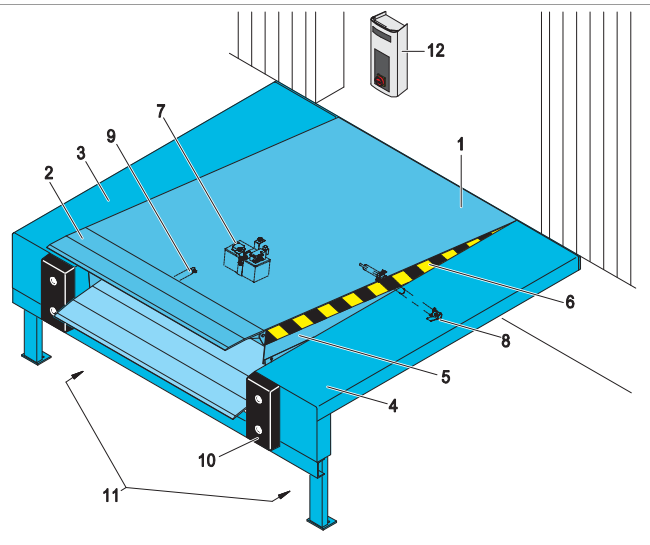
### 1.1.1 Application

The ASSA ABLOY DL6010SA swing autodock is an externally installed and self-supporting dock leveler that is ideal for applications where there are insufficient installation possibilities within the building. The ASSA ABLOY DL6010SA swing autodock system meets the standard demands of most loading operations and fully complies with rules and regulations of the European Standard EN 1398.

### 1.1.2 Mode of operation

The swing lip safely bridges the gap between the ramp and the lorry bed. When the dock leveler is raised, the lip swings out and the leveler lowers gently onto the lorry bed. After loading or unloading, the leveler is raised again, the lip swings down and the platform returns to its parking position, i.e. to ramp level.

### 1.1.3 Overview



- 1 Leveler platform
- 2 Swing lip
- 3 + 4 Leveler frame
- 5 Toe guards
- 6 Warning stripes
- 7 Hydraulic unit
- 8 Lift cylinders
- 9 Swing lip cylinder
- 10 Buffers (option)
- 11 Tail lift recess
- 12 Control unit

### 1.1.4 Standard

Surface	Painting RAL 5010
Hydraulic Equipment	Low noise hydraulic unit Two hydraulic lift cylinders One hydraulic lip cylinder
Lip	Lip length 400 mm Bevelled 40 mm Bent lip
Installation angle	90°

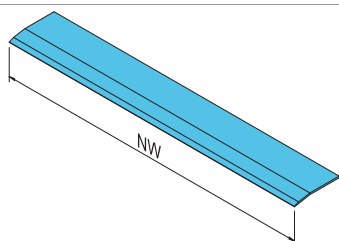
### 1.1.5 Options

Surface	Painting RAL 3002, RAL 6005 or RAL 9005 Hot dip galvanised
Hydraulic equipment	Low temperature oil Bio oil
Lip options	Lip length 500 mm Bevelled 100 mm Straight lip 2 fold down segments Tapered lip
Energy & Ergonomics	Slip protection/noise reduction
Installation angles	45°/135° 60°/120° 75°/105°

## 1.2 Swing Lip

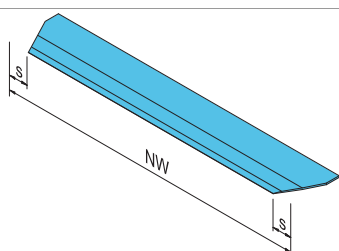
### 1.2.1 Lip shapes

#### 1.2.1.1 Standard swing lip



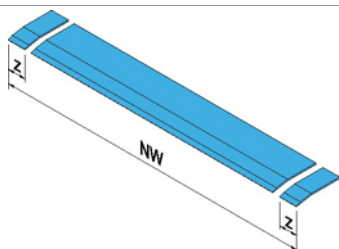
The standard swing lip is a single rectangular lip for use with a fleet of vehicles that is a standard size.

#### 1.2.1.2 Tapered swing lip



A tapered swing lip ensures that the lip reaches the lorry bed, even when the lorry is not parked in the exact centre position. Avoids damage to the truck and interruptions of the dock-in procedure.  $s = 125 \text{ mm}$

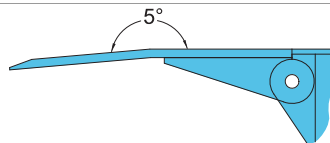
#### 1.2.1.3 Fold down segments



Ensures that the swing lip reaches the lorry bed by folding down one or both outer segments when the lorry is smaller than usual, or not parked in the exact centre position. Avoids damage to the truck and interruption of the dock-in procedure. Only available for 60 kN.  $Z = 125 \text{ mm}$

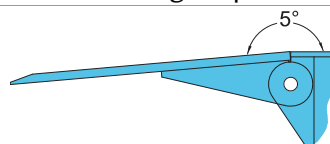
### 1.2.2 Lip angles

#### 1.2.2.1 Bent lip



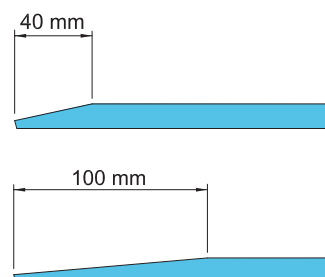
The standard bent steel swing lip ensures smooth transition to a lorry bed both above and below dock level. Avoids tripping hazards according to EN 1398.

#### 1.2.2.2 Straight lip



A straight steel swing lip ensures smooth transition when the lorry bed is below or equal to dock level. Avoids tripping hazards according to EN 1398.

#### 1.2.2.3 Bevelled lip



The standard steel lip is 40 mm bevelled. Optionally, the lip can be bevelled 100 mm, designed to provide maximum comfort and smooth transition from the lip.



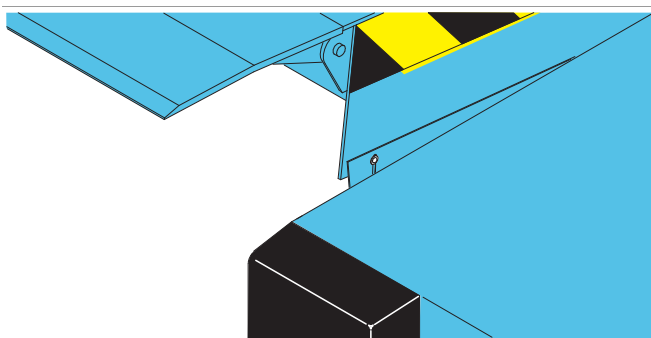
## 1.3 Platform

### 1.3.1 Platform tear-plate thickness

The 6 mm (6/8) tear-plate is designed for loading and unloading with typical 4 wheel pneumatic-tired fork-lift trucks. Alternatively an 8 mm 8/10 tear-plate is available for handling equipment with high point loads, such as electric pallet trucks. However, potential platform deformations do not reduce the functionality of the leveler.

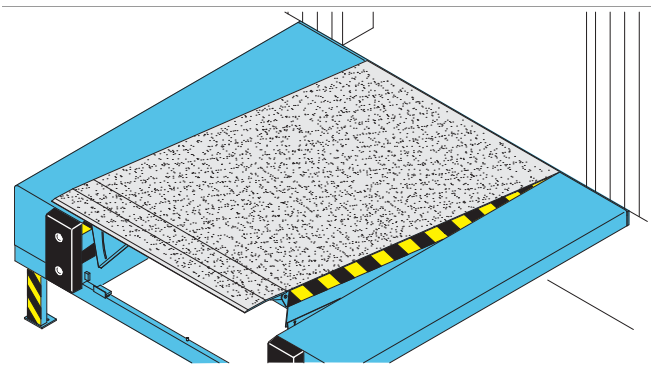
### 1.3.2 Toe guards

The leveler is as standard equipped with toe guards; steel plates between the platform and the frame. The toe guard prevents the pinching of feet when the leveler is lowered.



### 1.3.3 Slip protection / noise reduction

Applying a polyurethane slip protection coating on the lip and platform ensures a durable non-slip and noise reduction surface. The effect is a smooth and comfortable surface for handling equipment that is less receptive to wear and tear. The PU coating material is resistant to impact, to thermal impact and most types of chemicals and it has a high loading capacity.



## 1.4 Surface

### 1.4.1 Painting

#### 1.4.1.1 Colors

The dock leveler standard finish is painted. The standard color is:



RAL 5010

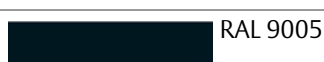
Colours available as option are:



RAL 3002



RAL 6005



RAL 9005

#### 1.4.1.2 Standard paint class

If the dock leveler is to be used in a rural area, the standard finish is:

- Paint class 1; 80 µm factory painted for corrosive category C2 M

#### 1.4.1.3 Paint classes

If the dock leveler is to be used in an urban or industrial atmosphere, or in a coastal area, it may be appropriate to select an alternative paint class with increased resistance to corrosion C3 M.

- Paint class 3; 160 µm factory painted for corrosive category C3 M

### 1.4.2 Hot galvanising

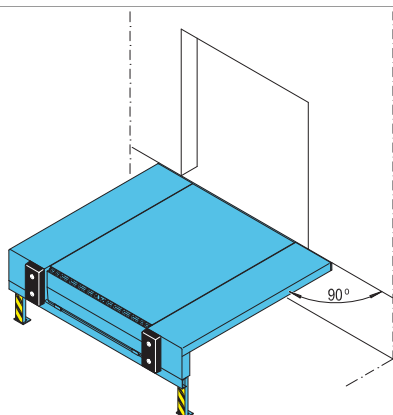
To increase corrosion protection to C4 for saline coastal areas or C5-I for aggressive or humid atmospheres, the dock leveler can be delivered with hot dip galvanised (80 µm) steel parts.



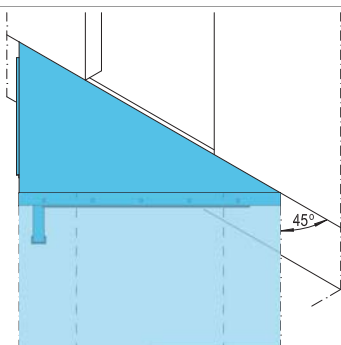
## 1.5 Installation angles

Because of its external installation construction, the ASSA ABLOY DL6010SA swing autodock can be installed in an angle, to reduce the required vehicle parking space in front of the building.

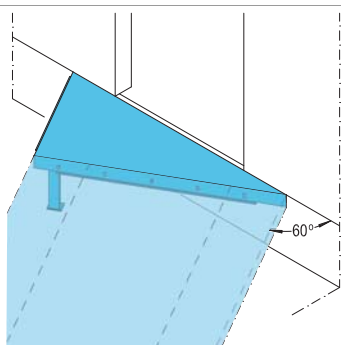
### 1.5.1 90° angle (standard)



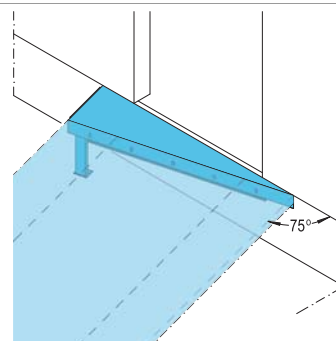
### 1.5.2 45° angle



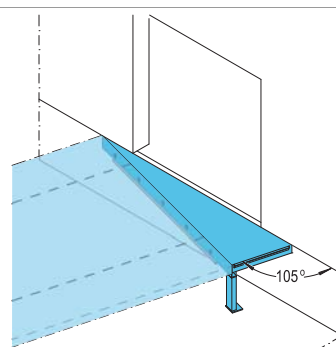
### 1.5.3 60° angle



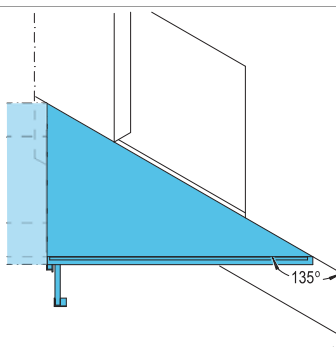
### 1.5.4 75° angle



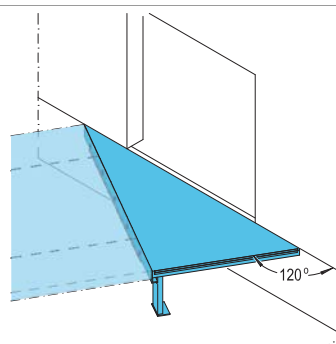
### 1.5.5 105° angle



### 1.5.6 135° angle



### 1.5.7 120° angle



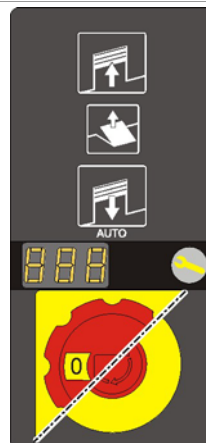
## 1.6 Docking control systems

### 1.6.1 950 Docking L SD



- Hold-to-run button to position the lip on the truck bed.
- Hold-to-run button to put the leveler back in parking position.
- Mains isolator or emergency stop button.
- Interface to incorporate ASSA ABLOY Eye and/or wheel chock.

### 1.6.3 950 Docking DL SD



Designed to operate an overhead sectional door in the docking station.

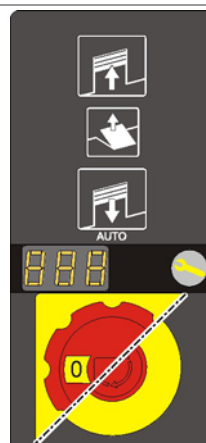
- Hold-to-run button to position the lip on the truck bed.
- Hold-to-run button to put the leveler back in parking position.
- Mains isolator.
- Interface to incorporate ASSA ABLOY Eye and/or wheel chock.

### 1.6.2 950 Docking LA SD



- Hold-to-run button to position the lip on the truck bed.
- Impulse auto button to put the leveler back in parking position.
- Mains isolator or emergency stop button.
- Interface to incorporate ASSA ABLOY Eye and/or wheel chock.

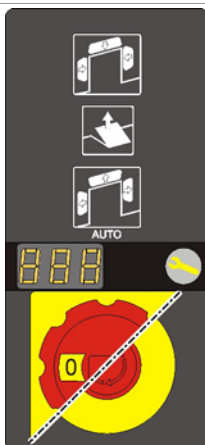
### 1.6.4 950 Docking DLA SD



Designed to operate an overhead sectional door and an inflatable shelter in the docking station.

- Hold-to-run button to position the lip on the truck bed.
- Impulse auto button to put the leveler back in parking position.
- Mains isolator or emergency stop button.
- Interface to incorporate ASSA ABLOY Eye and/or wheel chock.

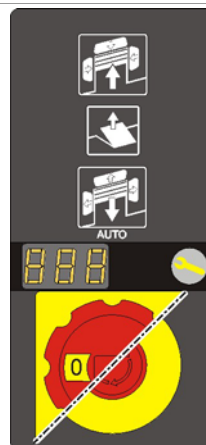
### 1.6.5 950 Docking LS SD



Designed to operate an inflatable shelter in the docking station.

- Hold-to-run button to position the lip on the truck bed.
- Hold-to-run button to put the leveler back in parking position.
- Mains isolator.
- Interface to incorporate ASSA ABLOY Eye and/or wheel chock.
- Designed to operate an inflatable shelter in the docking station.

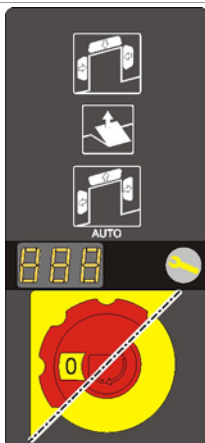
### 1.6.7 950 Docking DLS SD



Designed to operate an overhead sectional door and an inflatable shelter in the docking station.

- Hold-to-run button to position the lip on the truck bed.
- Hold-to-run button to put the leveler back in parking position.
- Mains isolator.
- Interface to incorporate ASSA ABLOY Eye and/or wheel chock.
- Designed to operate an overhead sectional door and an inflatable shelter in the docking station.

### 1.6.6 950 Docking LSA SD



Designed to operate an overhead sectional door and an inflatable shelter in the docking station.

- Hold-to-run button to position the lip on the truck bed.
- Impulse auto button to put the leveler back in parking position.
- Mains isolator or emergency stop button.
- Interface to incorporate ASSA ABLOY Eye and/or wheel chock.
- Designed to operate an inflatable shelter in the docking station.

### 1.6.8 950 Docking DLSD SD



Designed to operate an overhead sectional door and an inflatable shelter in the docking station.

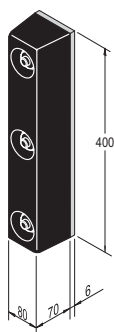
- Hold-to-run button to position the lip on the truck bed.
- Impulse auto button to put the leveler back in parking position.
- Mains isolator or emergency stop button.
- Interface to incorporate ASSA ABLOY Eye and/or wheel chock.
- Designed to operate an overhead sectional door and an inflatable shelter in the docking station.

## 1.7 Equipment

### 1.7.1 Buffers

Buffers placed in front of the dock leveler absorb the energy of a vehicle that accidentally or intentionally hits the building. Buffers are available in various sizes, in fixed or moving models, and with rubber finishing or steel plate and spring function.

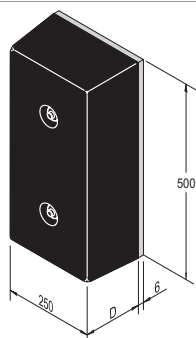
#### 1.7.1.1 RS



##### Application

The RS buffer is the economical solution for docking stations where vehicles of equal sizes load and unload.

#### 1.7.1.2 RB



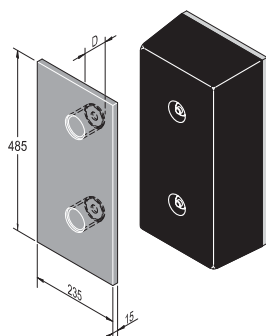
##### Application

The RB buffer is a large fixed rubber. It is the universal building and vehicle protection solution.

Available depths:

- 90 mm
- 140 mm

#### 1.7.1.3 RB with steel front plate



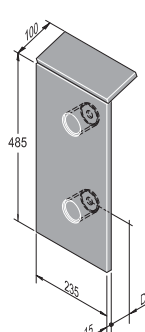
##### Application

The RB buffer with steel protection front plate increases the building protection and the buffer service life.

Available depths:

- 90 mm
- 140 mm

#### 1.7.1.4 RB with steel front and top plate



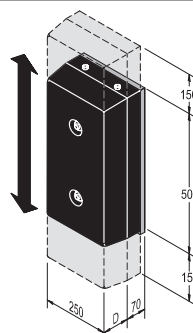
##### Application

The RB buffer with steel protection front and top plate is designed for vehicles with high lorry beds like interchangeable open bodies and containers.

Available depths:

- 90 mm
- 140 mm

#### 1.7.1.5 EBF



##### Application

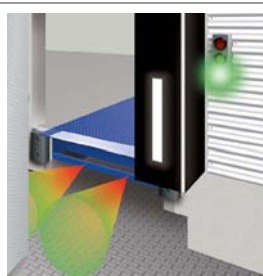
The EBF buffer is the ideal solution for docking stations where vehicles are expected to make notable vertical suspension changes when loading or unloading.

This buffer follows vertical movements of the vehicle.

Available depths:

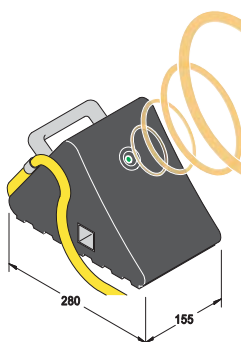
- 90 mm
- 140 mm

### 1.7.2 ASSA ABLOY DE6090E Eye



The ASSA ABLOY Eye is an electronic, sensor-based dock-in system, which measures the distance between the vehicle and the building. This makes it easier for the driver to complete the dock-in procedure, but also detects objects or people behind the vehicle.

### 1.7.3 ASSA ABLOY DE6090WC Wheel chock



The wheel chock has a sensor to detect the presence and position of the vehicle and is connected to the dock leveler control panel. If no vehicle is detected, the docking station is blocked for safety reasons. Furthermore, the wheel chock prevents the vehicle from moving during loading/unloading.

#### 1.7.4 ASSA ABLOY DE6090TLS Traffic light system

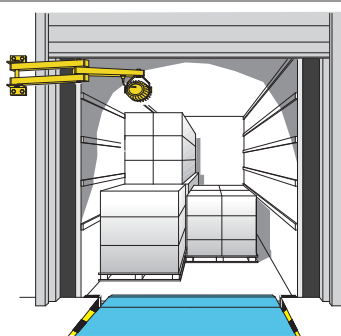


The traffic light system either has a sensor above the dock leveler that measures the presence of the vehicle or it is a wheel chock that detects the vehicle.

If there is no vehicle (dock leveler is free), the traffic light inside is red, outside is green.

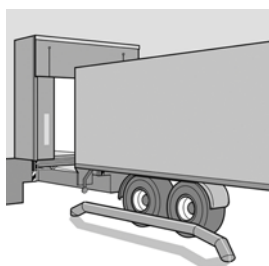
The traffic light can also be combined with a wheel chock, ASSA ABLOY Eye or door/leveler interlocking.

#### 1.7.5 ASSA ABLOY DE6090DL Dock light Heavy Duty LED



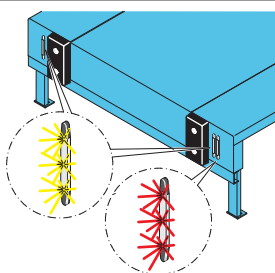
Where dock lights are often a vulnerable object in the docking area, the virtually indestructible Dock Light Heavy Duty LED is the perfect solution to bring light in the truck and docking area. It is designed for the most demanding environments and can withstand possible hard hits from a moving forklift without being damaged.

#### 1.7.6 Parking guides



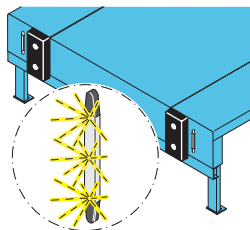
This visual aid makes it easier to park the vehicle and reduces the risk of collision. Especially advantageous for docking stations with wide leveler lips and cushion shelters. Parking guides can be bolted or cast in concrete on the floor before the leveler.

#### 1.7.7 ASSA ABLOY DE6090DI Dock-IN Autodock



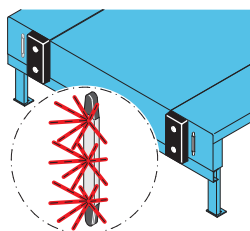
ASSA ABLOY Dock-IN offers a complete line of guide- and traffic lights that align the truck with the docking bay to make the dock-in procedure easy and safe. ASSA ABLOY Dock-IN is based on modern LED technology and stands for high reliability and low energy consumption.

##### 1.7.7.1 Dock-IN White



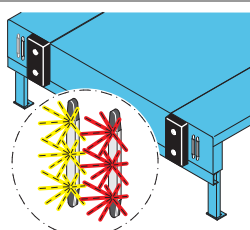
ASSA ABLOY Dock-IN White consists of two white LED light bars. It is designed to help guide a truck to the dock. ASSA ABLOY Dock-IN White offers much more visual aid than white stripes on the shelter or asphalt. Mounted on the wall they are always clearly visible, less exposed to wear and tear and not hidden by dirt and snow!

##### 1.7.7.2 Dock-IN Red



ASSA ABLOY Dock-IN Red is a traffic light system consisting of one red LED light bar, a sensor for truck detection and a traffic light control box. The sensor detects the truck when it is in the right position, very close to the dock. The red LED turns ON to give the signal to the truck driver to break and let the truck roll against the buffer at the lowest speed, without the risk of damage. The system includes interlocking of the loading bay control box functions which are only released when the truck is in place and the red LED is ON.

##### 1.7.7.3 Dock-IN White & Red



ASSA ABLOY Dock-IN White & Red is the optimum combination of both systems for easy and safe docking. The white LEDs provide the visual target and the red LED positions the truck at the right distance to the dock. The white guiding LEDs turn off when the truck is detected and at the same time the red LED turns ON. ASSA ABLOY Dock-IN White & Red guide the truck driver in the best possible way for an easy and safe docking.

#### 1.7.7.4 Available Options

- Indication Light Inside, built into the 950 control box  
A Green LED light on the control box to indicate that the control box functions are released. The operator of the loading bay equipment knows exactly when he can start loading or unloading. The green LED light will help to save energy and to control the complete loading process.

- Second Red LED

A second Red LED bar can be added to have the red LED traffic light on both sides of the docking bay. This is an option for terminals with left and right hand drive international trucks.

- Wheel chock connection

To increase the safety it is possible to connect the ASSA ABLOY wheel chock to the traffic light function ASSA ABLOY Dock-IN Red or ASSA ABLOY Dock-IN White and Red. The control box will be interlocked until the truck is detected and the wheel chock is in place.

Note:

Make sure the LED bars will not be covered by the Dock shelter.

Lowest possible truck is max. 2000 mm below the sensor position.

## 2. Selection guide

### 2.1 Load capacity according to EN 1398

The EN 1398 describes 3 key definitions about loads.

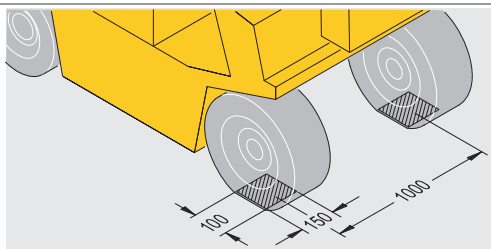
#### 2.1.1 Rated load

The rated load is the total weight of the goods, the forklift truck and the driver.



#### 2.1.2 Axle load

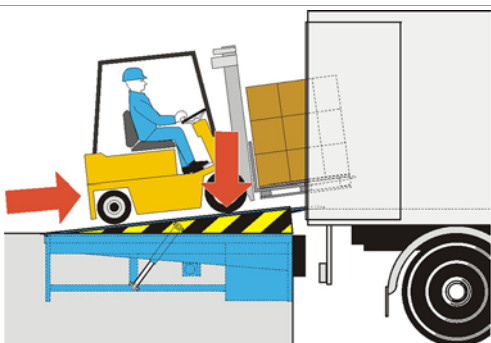
Axle loads shall be taken acting over two rectangular contact areas at 1 m lateral distance. These areas shall only apply if the actual conditions do not call for more severe loading. The size of the footprint [mm<sup>2</sup>] is derived from the wheel load [N] divided by 2 [N/mm<sup>2</sup>]. The ratio of the rectangular print is W:L = 3:2.



In the drawing measures for a leveler with a load capacity of 100kN or 150kN are shown.

#### 2.1.3 Dynamic load

The dynamic load is the movement of the rated load and is the pressure on the leveler platform caused by the moving forklift truck.



### 2.2 Select the load capacity

The load capacity of a dock leveler must always be higher than the rated load.

#### 2.2.1 Example

Weight of forklift truck	3600 kg
Weight of goods	1500 kg
Weight of driver	100 kg
Total weight/rated load	5200 kg
Suitable load capacity of the leveler	6000 kg/60kN

### 2.3 Select the appropriate platform tear plate thickness

The 60kN (6 tonnes) DL6010SA swing autodock is as a standard equipped with a tear plate of 6 mm (6/8). Optionally an 8 mm 8/10 tearplate is available.

#### 2.3.1 Handling equipment traffic situation

Each handling-equipment traffic situation creates a certain point load impact on the dock leveler platform depending on the contact area of the wheels. The typical 4 wheel pneumatic-tired forklift trucks have a lower point load impact than electric pallet trucks with small hard wheels.

#### 2.3.2 Example

Vehicle	Rated load	Point load	Tear plate	Load capacity
Roll cage	750 kg	Medium	6 mm	60 kN
Hand pallet truck	3200 kg	High	8 mm	60 kN
Electric pallet truck	3200 kg	High	8 mm	60 kN
Forklift truck	5200 kg	Medium	6 mm	60 kN



## 2.4 Select the leveler length

When determining the leveler length, measure the maximum height difference between the truck bed and the dock level. Next, determine which vehicles will be used and lookup the maximum gradient the vehicles are allowed to be used on.

Vehicle	Max gradient
Roll cage	3%
Hand pallet truck	3%
Electric pallet truck	7%
Forklift truck (battery)	10%
Forklift truck (gas / petrol)	15%

### 2.4.1 The calculation

Minimal leveler length = height difference / gradient (%)

### 2.4.2 Example

Vehicle:	Electric pallet truck (max 7% gradient)
Truck height:	1350 – 1000 mm
Dock height:	1150 mm

The difference between Truck height and Dock height  
= 175 mm

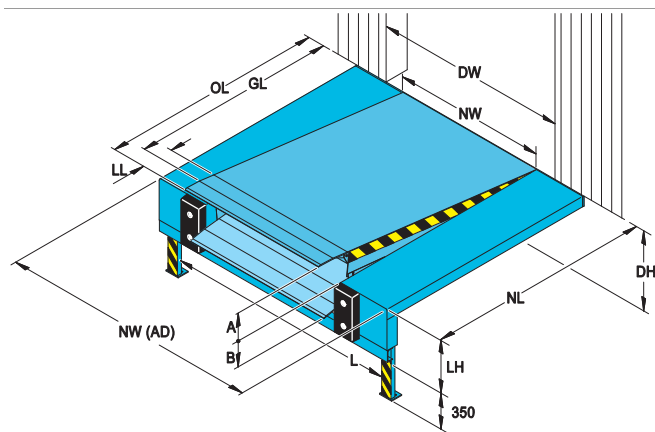
175 mm / 7% = 2500 mm leveler length

## 2.5 Nominal width

The ASSA ABLOY DL6010SA swing autodock is available with a nominal width of 2000 mm or 2200 mm. The correct nominal width must exceed the widest loading vehicle by at least 700 mm.

## 3. Specifications

### 3.1 Dimensions



NL	Nominal length
OL	Overall length
GL	Gradient length
NW	Nominal width
LL	Leveler length
LH	Leveler height
A	Working range above dock level
B	Working range below dock level
DH	Dock height
DW	Door width
NW (AD)	Nominal width Autodock (incl. side thread panels)
L	Distance between plinths
OW (AD)	Overall width Autodock = NW(AD) - 20

Dimensions				Vertical working range			
				LL 400 mm		LL 500 mm	
NL	OL	GL	LH	A	B	A	B
2000	NL+350	NL+210	700	290	330	180	360
2450	NL+335	NL+195	700	380	340	260	360
3000	NL+350	NL+210	700	400	335	280	290

Nominal width NW 2000, 2200

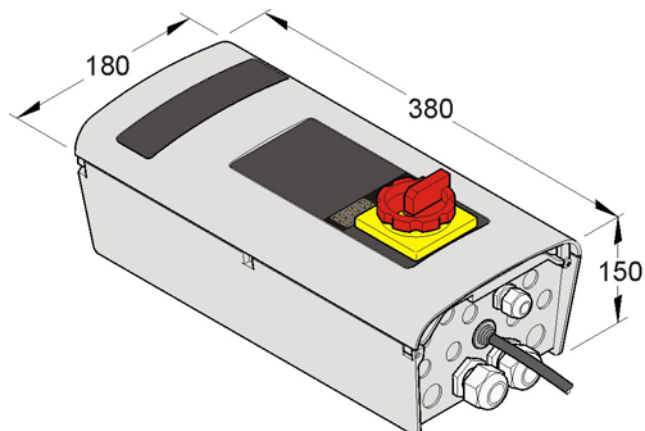
Nominal width NW (AD) 3300, 3500, 3600 mm

### 3.2 Platform thickness

Thickness	Max. point load
6 mm (6/8)	1,3 N/mm <sup>2</sup>
8 mm 8/10	6,5 N / mm <sup>2</sup>

## 3.3 Control units

### 3.3.1 Dimensions



950 Series

### 3.3.2 Functions

	L SD	LA SD	DL SD	DLA SD	LS SD	LSA SD	DLS SD	DLSA SD
Hold-to-run button	■	■	■	■	■	■	■	■
Impulse auto button		■		■		■		■
Mains isolator	■	■	■	■	■	■		■
Emergency stop button	□	□		□		□		□
400 V	■	■	■	■	■	■		■
230 V	□	□	□	□	□	□	□	□
Maintenance indicator	■	■	■	■	■	■		■
3 Digit display	■	■	■	■	■	■		■
Memory function	■	■	■	■	■	■		■
BUS network interface	□	□	□	□	□	□	□	□
ASSA ABLOY eye	□	□	□	□	□	□	□	□
Wheel chock	□	□	□	□	□	□	□	□
Door control			■	■			■	■
Shelter control					■	■	■	■

■ Standard

□ Option / Available

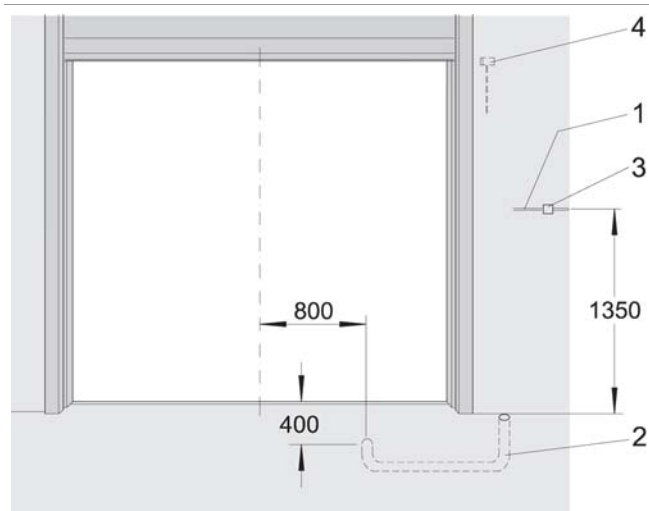
## 4. CEN Performance

### 4.1 Safety according to the European Standard EN 1398

- Emergency Stop Function.
  - Safety valves block lowering movement after max. 6% of the nominal length of the leveler.
  - Two lift cylinders make sure the leveler stops in a horizontal position.
- Free floating position.
- Platform torsion. Lateral deflection of at least 3% of nominal width.
- Toe guards cover gap between platform and pit in leveler's highest position.
- Working range gradient max. 12,5% ( $\sim 7^\circ$ ).
- Warning stripes on side plates and on frame (black/yellow).

## 5. Building and space requirements

### 5.1 Electrical preparations

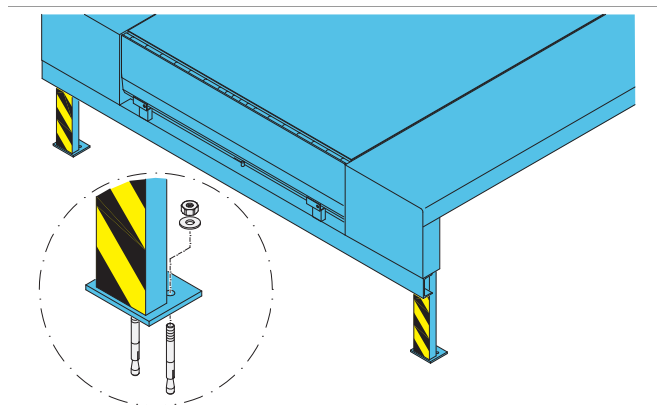


1	Mains supply:	3/N/PE AC 50 Hz 400V 3-phase, 230V 3-phase
	Mains fuse:	D0 10 A gL
	Motor power:	0,75kW
2	Conduit for wiring internal diameter 70, angles <45° (by others)	
3	Mains isolator*:	Only for control box with emergency stop
4	Optional safety switch on sectional door to disable leveler when door is closed*	

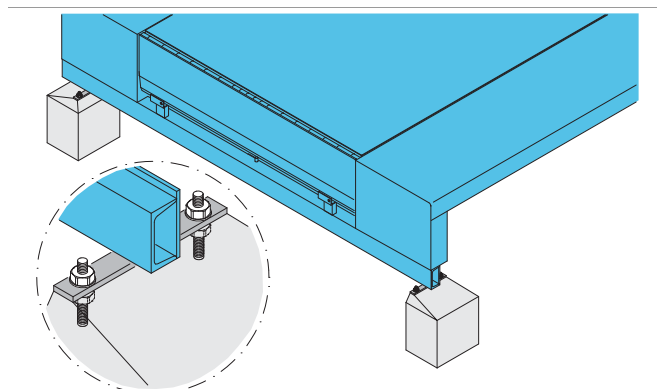
\* non-standard

### 5.2 Ways of installation

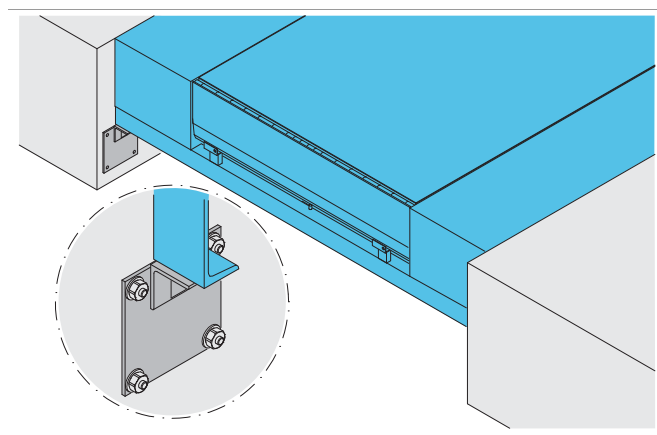
#### 5.2.1 Steel plinths



#### 5.2.2 Concrete plinths



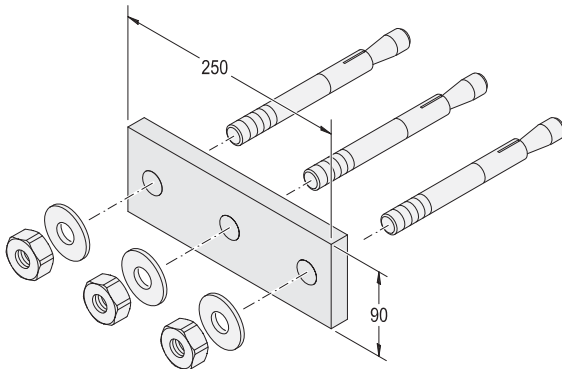
#### 5.2.3 Wall connection brackets



## 5.3 Additional equipment of installation

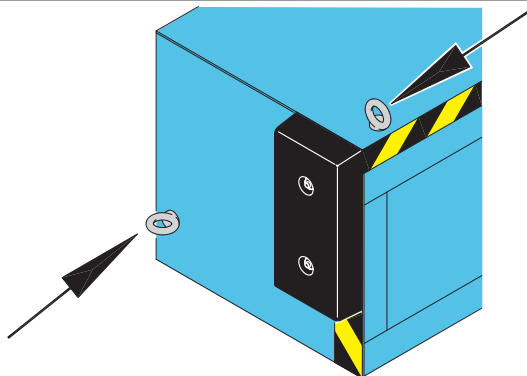
### 5.3.1 Support brackets

The optional brackets have to be used if it is not possible to weld the autodock side units on the whole width on the dock edge. The brackets support only the autodock side units. Chemical anchors M16 are delivered together with the brackets.



### 5.3.2 Eye bolt

The optional eye bolts are used to secure a demountable container or any other truck at the autodock with the aid of a tension strap.



## 6. Service

### Preventive Maintenance Program and Modernization Services

As your entrances are part of your business flow, there's every reason to keep them working well. ASSA ABLOY Entrance Systems offers you a maintenance and modernization expertise to rely on. Our Maintenance Programs and Modernization Services are backed by a extensive expertise for all types of industrial door and docking systems, independent of brand. At your disposal is a team of dedicated expert technicians, proven through decades of maintenance, service and satisfied customers.

#### Preventive Maintenance Programs

Minimizing lost time, lost energy and unexpected hassle is our team's constant objective. Our service organization can support you 24/7 in maintaining all industrial door and docking systems, independent of brand. If you want to be one step ahead of break-downs, explore our portfolio of Pro-Active Care plans. Naturally, we also offer entrance upgrades to suit your specific wishes and business needs.

#### Pro-Active Care - Maintenance plans to fit your business

Regular maintenance can extend the lifetime of your equipment and help prevent unexpected problems. Our technician arrives on-site equipped with the knowledge and tools to service all automatic entrances, independent of brand.

##### • Pro-Active Bronze

The base on which all Pro-Active Plans are built provides the security of knowing that your equipment is regularly inspected and certified for safety, as well as performing optimally. It includes a number of planned on-site visits depending on your needs. Any unplanned service calls required during the term of the contract (including labor, travel and parts) are billed at special Pro-Active Care prices.

##### • Pro-Active Silver

This plan provides all the benefits of Pro-Active Bronze with the added advantage of labor and travel being included for service calls during regular business hours. The only additional charge would be for any parts that may be needed throughout the term of the contract.

##### • Pro-Active Gold

This plan provides the ultimate protection for your automatic entrance investment. It includes all the benefits of Pro-Active Silver, plus replacement of any parts required during an unplanned repair or planned maintenance visit. Pro-Active Gold is an excellent way to budget your automatic door expenses annually.

##### • Pro-Active Tailor-Flex

Our most flexible maintenance and service offering. The Pro-Active Care plan is designed by you, our customer. The plan allows you to balance your maintenance expenses against your real-world budget and presents the option to add or delete a number of maintenance elements to suit your budget goals, while meeting your overall performance and safety needs.

#### Modernization

Your entrances are a long-term investment, from which you always want the best. Products develop over time, so do regulations and your business. Let us help you increase energy savings and meet today's standards. We provide advice and modernization kits for outdated installations, ensuring your investment meet requirements and performs optimally for many more years to come.

Re-Active Service		Pro-Active Care				
		Pro-Active Bronze	Pro-Active Silver	Pro-Active Gold	Pro-Active Tailor Flex	
		○	○	○	●	Other customized requests such as Response Time, Performance InfoPack and Advanced User Training
		○	○	●	○	Replacement of worn parts according to preventive Consumable Exchange Program
		○	○	●	○	Replacement of spare parts on breakdowns
		○	●	●	○	Travel and labor for additional call-out visits
		●	●	●	●	Preventive maintenance visits 1-4 times per year
		●	●	●	●	Travel and labor for preventive maintenance visits
		●	●	●	●	Response time and priority on call-outs <24h
		●	●	●	●	Preventive planned maintenance that meets the most demanding standards in the market
	●	●	●	●	●	Safety and quality checks according to applicable regulations and norms. Documentation of test results provided
●	●	●	●	●	●	Documentation of equipment status, assessment and service provided, all generated on site
●	●	●	●	●	●	Highly trained professional technicians with extensive knowledge, state-of-the-art tools and the right spare parts*
●	●	●	●	●	●	Dedicated Professional Customer Care Hotline
Corrective	SafetyCheck	Pro-Active Bronze	Pro-Active Silver	Pro-Active Gold	Pro-Active Tailor Flex	

● = Included as standard  
○ = Available at special prices  
\* Well-stocked service vehicles with genuine and new spare parts



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