



- Auto-aanpassing
- Revalidatietechniek
- Mobiliteits- en hulpmiddelen

*Onbeperkt in beweging*

# David 2

## User Manual

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## 1. Introduction



This is the user manual for boot elevator type “David 2”. Please read the whole manual carefully before you start using the light boot elevator. Especially pay strict attention to all the safety instructions. Never do any work on the “David 2”, for which you do not have the necessary knowledge or qualifications.



Throughout this manual you will find this symbol next to all instructions and regulations which relate to your safety and the safety of others.



You will find this symbol next to important instructions and information to ensure smooth functioning and proper use of the boot elevator “David 2”.

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## 2. Technical specifications

### Identification product:

Name	Boot elevator type "David 2"
Type number	5025
Manufacturer	B & S Auto-Aanpassing

### Dimensions:

Platform	180x150 mm
Height elevator	1000 mm
Weight	7.6 Kg

### Electrical data:

Connection voltage	12	V
Nominal current	3	A
Quiescent current	0	mA
Nom. output used	36	W
Max. output used	60	W (42 kg)

### Other data:

Maximum hoisting load	42	kg
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### 3. Safety

#### *Introduction*

This chapter contains important safety regulations for working with and on the boot elevator type “David 2”. Anyone working with or on the boot elevator type “David 2” should read through this chapter carefully in advance.

#### ***Safety regulations !***

- **Use according to intended use**

The boot elevator type “David 2” may only be handled and used according to the described purpose of use. Other or further use is not considered to be in accordance with the intended use. B&S - Hoorn cannot be held liable for damages resulting from use the elevator was not intended for.

The boot elevator type “David 2” is built according to the latest technology and meets the legal safety regulations. Nevertheless, from use of the boot elevator type “David 2” danger or injury to the user or others, or damage to the boot elevator type “David 2” or other goods can arise. Only use the boot elevator type “David 2” in a technically correct condition in accordance with the described intended use, while complying with the user manual.

Alterations made to the boot elevator type “David 2” by a non-qualified person terminate all liability by B & S – Hoorn.

- **Safety provisions !**

#### **Warnings concerning the use of boot elevator type “David 2”**



**THE MAXIMUM HOISTING LOAD IS 42 Kg !!**

## 4. Product

The boot elevator type “David 2” was developed for the following users:

- Wheelchair users who still have a limited standing and walking function.
- Persons giving assistance, who do not have the strength to lift the wheelchair into the boot.

The boot elevator helps to lift the wheelchair in and out of the boot without difficulty. During lifting the wheelchair hangs horizontally, so that it will lie in the boot in the right manner.

The elevator can be tilted by 2 right manners:

1. the elevator arm can be tilted with the operating lever (5) (see figure 1.)
  2. the elevator arm can be tilted by lifting the elevator arm in vertical direction.
- and it can be placed flat on the wheelchair.

### ***4.1 The composition of boot elevator type “David 2”***

The drawing shown on the next page is a representation of the boot elevator type “David 2”. Some of its components have been numbered.

These components are explained below.

Figure 1. Composition of the boot elevator type “David 2”.

1. Running wheel holder	Art. No. 451510118
2. Elevator neck.	Art. No. 451510124
3. Cord.	Art. No. 451510002
4. Motor.	Art. No. 451510707
5. Operating lever.	Art. No. 451510125

## **5. Installation regulations**

**Building in and installing the boot elevator type “David 2” is always done by your supplier. In those cases where the installation is done by a third party, or by a company that buys the elevator from B&S Hoorn, the mounting manual should be used when building in and installation takes place.**

This manual is a supplement to the user manual and is ONLY meant for qualified fitters and the supplier’s installation personnel.

## 6. Use

This chapter will explain exactly all the procedures and operations in chronological order that need to be done in order to operate the boot elevator “David 2” in the correct manner, under normal circumstances.

### **6.1 Operation of the boot elevator type “David 2”:**

#### **PLACING THE WHEELCHAIR IN THE BOOT:**

1. Open the boot lid.
2. Take the elevator arm and put it upright.
3. Turn the elevator arm outside the car and ease the cord with the ↓ button (when doing this, make sure the cord is kept taut) until the cord is long enough to attach the hook to the wheelchair.
4. Attach the hook to the wheelchair and check to see that it is correctly attached to the wheelchair.
5. Hoist the wheelchair up with the ↑ button to a point above the threshold of the boot.
6. Push the wheelchair into the boot.
7. Slowly lower the wheelchair with the ↓ button.
8. Remove the hook.
9. Tilt the elevator using the operating lever or lift the elevator in vertical direction and put the elevator arm on top of the wheelchair.
10. Close the boot lid of the car. You can start driving now.

#### **TAKING THE WHEELCHAIR OUT OF THE BOOT:**

1. Open the boot lid of the car.
2. Take the elevator arm and put it upright.
3. Attach the hook to the wheelchair and check to see that it is correctly attached to the wheelchair.
4. Hoist the wheelchair up with the ↑ button to a point above the threshold of the boot.
5. Pull the wheelchair out of the boot.
6. Put the wheelchair with the push handles on the edge of the boot and stop the push handles so that the wheelchair comes to a vertical position. Slowly lower the wheelchair with the ↓ button.
7. Remove the hoisting hook from the wheelchair and hoist the hook up to ± 30 cm to the end piece of the elevator arm.(keep the cord taut when doing this)
8. Tilt the elevator and put the elevator arm flat in the boot.
9. Close the boot lid.



## 7. Maintenance



For proper functioning of the boot elevator type “David 2” it is important to have regular maintenance work done. Comply with the schedule below. Never do work on the boot elevator type “David 2” if you do not have the required knowledge and authority.

<b>MAINTENANCE SCHEDULE</b>	
<b><i>Maintenance operation</i></b>	<b><i>Maintenance frequency</i></b>
Check the condition of the hoisting cord. Please note: when the cord is frayed due to wear, you should contact the supplier to have the cord replaced!!	Each time the elevator is used
General maintenance	Every 12 months

### **Checking the hoisting cord:**

Take the switch in your hand, hold the hoisting cord taut and unroll the cord completely.

Check the cord for wear.

In case the Kevlar of the cord (inner core) is visible, you should contact the supplier immediately to have the hoisting cord replaced.

Please note ! that during hoisting the motor turns to the right in the left-sided version or to the left in the right-sided version, as a result of which the hoisting cord is wound up at the rear side of the drum wheel.

## 8. Malfunctions and repairs:

For solving minor malfunctions please use the “troubleshooting list” below. If you cannot repair the malfunction yourself, always call in the help of a qualified fitter or contact the manufacturer.

<b>Malfunction</b>	<b>Cause</b>	<b>Solution</b>
Elevator does not hoist	Defective fuse	Replace fuse and check for any electrical malfunctions
Elevator does not hoist	Fuse is OK, but the motor is not running	Check the connections for reliability or contact your supplier
Elevator does not hoist	It is possible that the battery has insufficient power for the elevator to run well	Check your battery to see whether it can supply sufficient voltage
Hoisting cord is broken	The reason could be wear or a technical defect	Contact your supplier to have the hoisting cord replaced



