



ASSEMBLY AND USERMANUAL

Dahl Docking anchoring set

iCHAIR ORBIT 1.618, iCHAIR MC2 2.611

MEANING OF THE APPLIED MARKERS

Safety instructions with a coloured background are mandatory and need to be observed under any circumstance!

- ➔ This symbol indicates tips and recommendations
- [] Reference to a picture number
- () Reference to a function element within a picture.

INTRODUCTION

Read and observe this manual before first operation. Children and adolescents should read this document if necessary together with their parents or a supervisor or accompanying person before first use.

The user manual at hand should help you get accustomed to the handling of your product.

This product is a technical aid. It is subject to explanations, requires regular care and can cause danger when used improperly. The correct handling must therefore be learned.

Users with visual impairments can find the PDF-files together with further information on our website:

< www.meyra.com >.

- ➔ Contact your specialist dealer when required.

Information about product safety and possible recalls of our products can be found in the < *Information center* > on our website: < www.meyra.com >.

The product meets the demands of ISO 7176-19.

LIST OF MODELS

This assembly and user manual is valid for the following model options:

Model 1.618

Model 2.611

USE

The Dahl Engineering docking anchoring set is solely to be used together with a Dahl Engineering anchoring unit mounted expertly into a motor vehicle < www.dahlengineering.dk >.

The locking plates (1) for both of the Dahl Engineering anchoring units are identical and can be used for both anchoring units.

This product serves for automatic fixation of the wheelchair during the transport of people inside a motor vehicle in combination with one of the two Dahl Engineering docking anchoring sets.

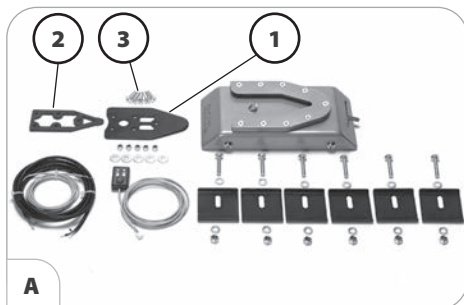
SCOPE OF DELIVERY

Scope of delivery motor vehicle adaptation kits

501750 [A] / 503600 [B]

(available from Dahl)

- (1) 1x Locking plate
- (2) 1x Distancer
- (3) 5x Countersunk screw

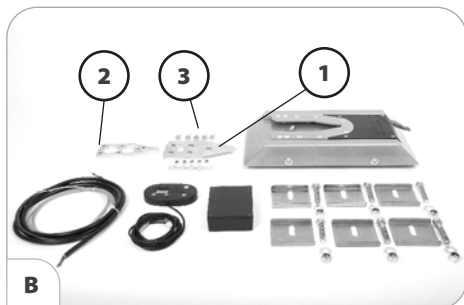


Scope of delivery wheelchair adaption kit

502020 [C]

(available from Dahl and Meyra)

- (4) 2x Distancer plate
- (5) 5x Flat nut
- (6) 1x Reinforcement plate
- (7) 4x Cylinder screw (M8 x 16mm)
- (8) 4x Plain washer
- (9) 4x Hex nut (M8)
- (10) Reinforcement plate
 - 1x Assembly and user manual



ASSEMBLY

The following assembly is to be carried out by a professionally qualified person.

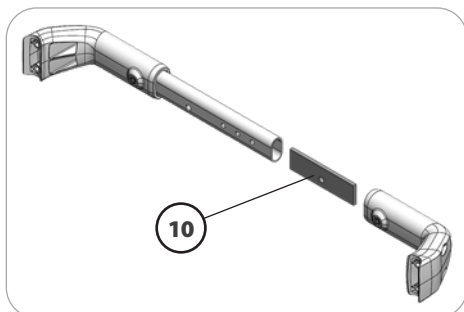
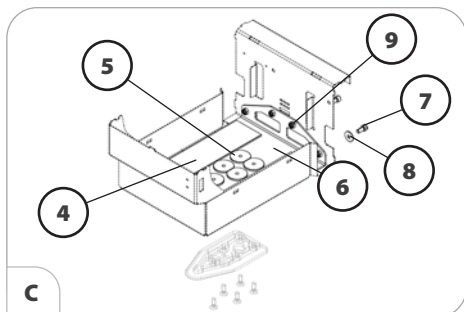
Detailed information to the assembly tips of the Dahl Dockingstation inside the motor vehicle can be obtained per e-mail at: < sales@dahlengineering.dk >.

The electric wheelchair is to be switched off during assembly in order to prevent unintentional rolling movements.

Before assembly the main-/battery fuse is to be removed.

Watch for jamming areas during the complete assembly. – Danger of crushing!

Keep the working area clean during the assembly!



Mounting the locking plate

For correct ground clearance of at least 60 mm, assembly is to be carried out with the actual user weight.

➔ When required a corresponding distancer (2) can be requested at < www.dahlengineering.dk >.

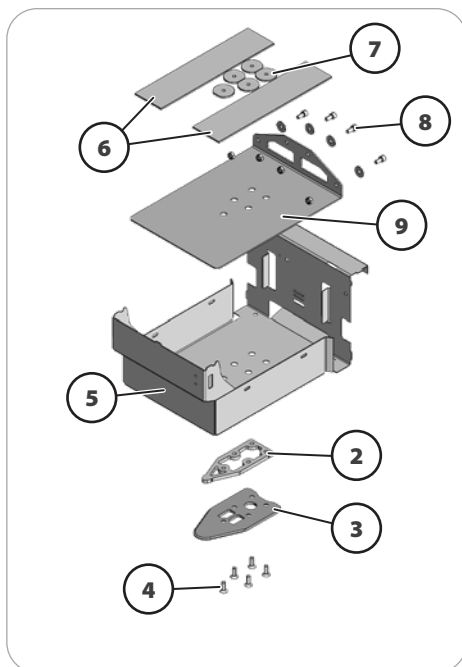
For safety reasons only use the included special countersunk screws (4) (quality grade 14.9, Torx 27).

The included special countersunk screws may not reach over the contour of the flat nut (5) and must be shortened before securing them with Loctite.

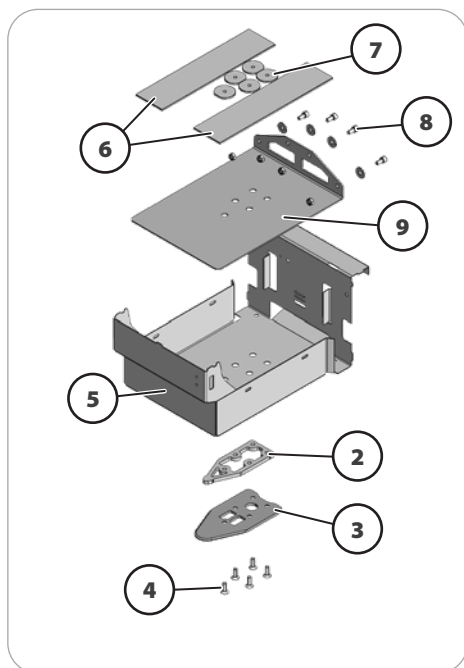
Secure the countersunk screws with Loctite 222.

Observe torque 16 - 18 Nm!

1. Switch the electric wheelchair off.
2. Pull the battery fuse.
 - ➔ Also view < Operating manual of the electric wheelchair >.
3. Put a wedge under the support castors to secure the wheelchair against overturning [1].
4. Establishing the service position [2].
 - ➔ First remove the two attachment screws (3), then swivel up the seat unit until the locking bolt engages.
5. Remove the batteries.
6. Place the reinforcement plate (9) into the battery case (5).



7. If necessary, drill holes for the 4 cylinder screws in the appropriate positions in the battery case (5).
 - ➔ Use the reinforcement plate (9) as drilling template.
8. Guide the 4 cylinder screws (8) (M8 x 16mm) with plain washers from the outside through the holes in the battery case and the reinforcement plate and screw them into the 4 nuts (M8).
9. Screw the locking plate (3) and resp. the distancer washer (2) with the countersunk screws (4) and flat nuts (7) onto the bottom of the battery case.
10. Place the two distancer plates (6) on both sides of the flat nuts (7).
11. Replace the batteries.
12. Check and ensure the firm seat of the docking set in combination with the assembly inside the motor vehicle.
13. Swivel the seat unit down.
14. Insert the battery fuse.



Mounting the back reinforcement

➔ Only required in combination with electrically adjustable back support with lateral connection.

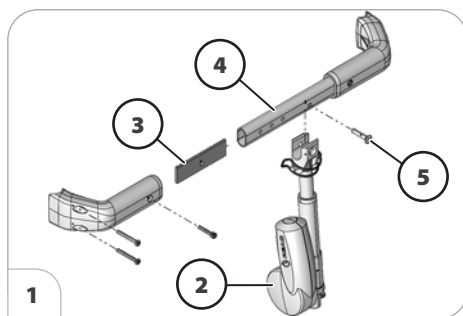
1. Remove the existing screwed connections [1].

➔ Ensure that the adjustment motor (2) does not drop down.

2. Push the reinforcement plate into the back brace (4) up to the middle.

3. Remount the adjustment motor. Also guide the countersunk screw (5) through the reinforcement plate (3) in the back brace.

4. Remount the back support brackets with the screw connections as shown [1].



OPERATION

Safety instructions

Ensure that the vehicle suitably equipped to transport a passenger in a wheelchair and ensure that the method of access / egress is suitable for your wheelchair type.

The vehicle should have the floor strength to take the combined weight of the occupant, the wheelchair and accessories.

When using the wheelchair watch for the reduced ground clearance due to the mounted docking set. – Danger of accidents!

➔ For this observe chapter *Technical data* on page 11.

For handicapped transport inside a motor vehicle observe the document *< Safety with Meyra-wheelchairs, also during transport in motor vehicles >* on our website *< www.meyra.com >*.

Only drive wheelchairs equipped with the docking set into Dahl Engineering anchoring units.

Before use make sure that the product is functional. – Danger of accidents!

Do not use a loose locking plate to anchor the wheelchair. – Increased danger of accidents!

Correct anchoring of the wheelchair with the docking station only happens with the weight of the user.

The user must be secured with a certified strap-retaining system.

MEYRA does not claim responsibility for damages that are caused by unattended minors in combination with the product!

Anchoring the wheelchair

If the wheelchair is anchored correctly, a control diode will light up on the operating module of the docking station.

Further information to the Dahl Docking Station can be found on the website:

< www.dahlengineering.dk >.

To lock the docking station, move the wheelchair straight and centred over the anchoring unit [1] / [2] on the floor of the motor vehicle.

- ➔ If the wheelchair is not anchored correctly, a warning signal sounds and a warning light appears on the operating module of the docking station.

Unlocking the wheelchair

To unlock the wheelchair, press the release button on the operating module of the docking station and then move the wheelchair slowly backwards out of the anchoring unit [1] / [2] on the floor of the motor vehicle. After pressing the release button on the operating module the locking pin automatically unlocks for approximately 5 seconds. Afterwards the locking pin locks automatically again.



1



2

Manual release in case of electric failure

A manual emergency release is located at the front edge of the docking station.

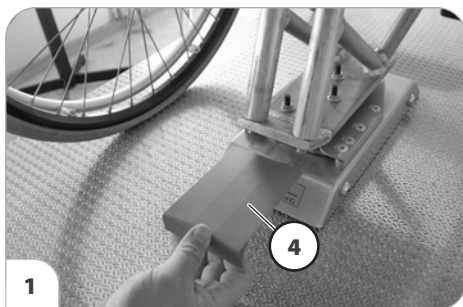
1. Move the wheelchair forward to remove the pressure of the lock pin and push the red release arm to one side and hold it there. After that move the wheelchair out of the docking station.

→ A cable-activated manual operating lever can also be fitted (accessory). The red release arm is also pushed to one side and should be held there while the wheelchair moves away. After that move the wheelchair out of the docking station.

Emergency release

In case of failure of the manual release, a red plastic emergency release tool (4) is included with each docking anchoring set.

1. Move the wheelchair forward to remove the pressure of the lock pin.
2. Place the release tool (4) in the gap between the locking plate and the docking station [1].
3. Push the emergency release tool (4) and the wheelchair forward until the locking pin has been forced down. After that move the wheelchair out of the docking station [2].



CLEANING

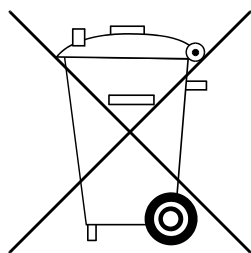
For cleaning it is recommended to use soap-solution. The detergent should in any case have a PH-value of no less than 6 (neutral cleanser).

Do not use any detergents that contain solvents.

REPAIRS

Use only original spare parts. Make use of the service of your educated dealer.

DISPOSAL



The disposal must comply with the respective national law.

Please enquire about local disposal arrangements at your municipal authority.

MAINTENANCE

An incorrect or neglected cleaning and maintenance of the product results in a limitation of the product liability.

Maintenance

The following maintenance instruction gives you a guide for carrying out the maintenance work.

- ➔ They do not give information about the actual extent of work required on the product.

Maintenance schedule

WHEN	WHAT	REMARK
After use	Check for extreme soiling Clean if required	Carry out the cleaning by yourself or by an aid.
Every 6 months (depending on frequency of use)	Check screwed connections for firm seat.	Carry out the test yourself or by a helper.
Manufacturer recommendation: Every 12 months (depending on frequency of use)	Safety inspection	To be carried out by the specialist dealer.

TECHNICAL DATA

A higher user weight indicated on the type plate of your wheelchair is limited by the permitted user weight of the docking station.

DOCKINGSTATION	
Perm. user weight (including additional load)	136 kg

WARRANTY / GUARANTEE

We accept legal liability for this product within the scope of our general terms and conditions and warranty and in certain cases other verbal resp. agreed upon guarantees.

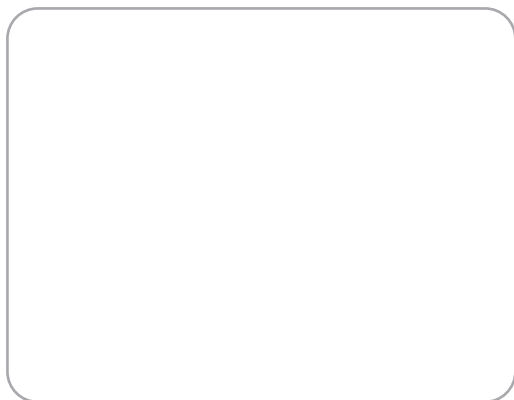
- ➔ Therefore observe chapter < Warranty / Guarantee > of the operating manual of your wheelchair.



This product fulfils the requirements of the directive (EC) 2017/745 for medical devices.



Your specialist dealer



Original
Operating manual

MEYRA GmbH Kleiststraße 49 | 32457 Porta Westfalica | Germany
info@meyragroup.com | Tel.: +49 571 93292 - 311 | Fax: +49 571 93292 - 9311 | www.meyra.de

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