

Made in Germany
by HOGGI 



DURO



CE

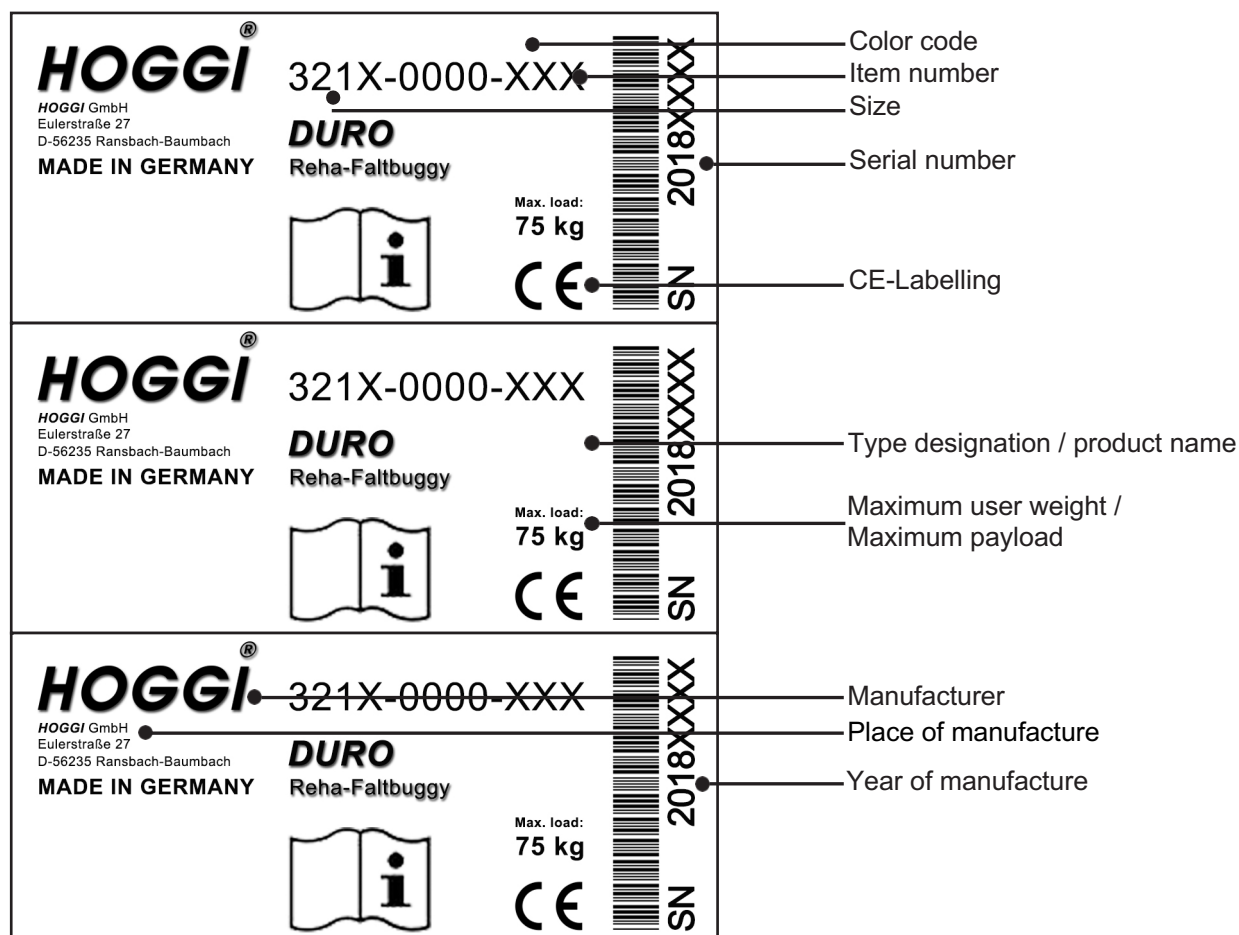
Service instructions for *DURO*

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1 Model identification

1.1 Model identification via the nameplates

The nameplates are attached to the axle tube and the seat unit.



1.2 Basic equipment

- Compactly foldable
- Payload: 75 kg
- IPS – individual upholstery system
- Seat depth: 30 - 45 cm
- Seat width: 23 - 39 cm
- Lower leg length 20 - 44 cm
- Back inclination: 78° - 120°
- Ergonomic lap belt guide
- Angle adjustable footboard
- Seat angle 16° or 20°

2 General information

2.1 Foreword

Regular maintenance is important - it increases safety and extends the life of the product. Every rehab product should be checked and serviced once a year. However, it is advisable to check, readjust and, if necessary, wait for products with a high frequency of use, users with growing users or users with changing clinical pictures every 6 months.

Be Only original spare parts are to be used for all service and maintenance work.
The service and maintenance work described here should only be carried out by trained specialists and not by the user of the aid.

These service and maintenance instructions refer to the respective spare parts catalogs and operating instructions for the products described. Please use all documents together. Use the maintenance plan (Chapter 3.2, checklist to tick off) as a template.
Keep completed maintenance plans and give a copy to the customer.

	Operation manual	Spare parts catalog
<i>BINGO Evolution</i>	1910-0030-D	1910-1006-D

2.2 Customer service

Our customer service will be happy to answer technical questions.
Contact addresses and telephone numbers can be found on the last page.

3 Safety instructions

3.1 Meaning of the symbols

**Attention!**

Warning notices on possible accident and injury hazards and on possible technical damage.

**Note!**

For device operation.

**Note!**

For service personnel.

Danger!

Read the instruction manual first!

3.2 General safety information

Read the instruction manual first!

Before using it, make yourself familiar with the handling and function of the product and practice using it first.

You are responsible for your child's safety. Your child's safety could be compromised if you do not follow these guidelines. However, not all conditions and unforeseen situations that may arise can be covered. Reason, caution and prudence are factors that this product cannot bring; they are assumed for the person who uses or accompanies the child's wheelchair. The person using the wheelchair and related accessories should understand all of the instructions. You should explain how to operate the wheelchair to everyone who uses the Reha folding buggy and its accessories.

If instructions are incomprehensible and more detailed explanations are required or if you have further questions, please contact your **HOGGI** specialist dealer.

First, practice driving with the child on level, manageable terrain. Together with the child, research the effects of shifting the focus on the behavior of the rehab buggy, for example on slopes, inclines, on all inclines or when overcoming obstacles, but only with the safe support of a helper.



Always buckle up your child in the rehab buggy



We would like to point out that the use of a rehab buggy beyond its typical use can be dangerous. This product is not suitable for jogging, running, skating or the like. Steerable front wheels can start to wobble at higher speeds, which could lead to an abrupt stop and overturning of the rehab buggy forwards. Therefore, please only push the wheelchair at normal walking speed. Under no circumstances is it permitted to let go of the folding rehab buggy while pushing it or to push it off.



The product may only be used on a level and firm surface.



Use your folding rehab buggy only as intended. For example, avoid driving against an obstacle (step, curb) without braking.
Avoid jumping off heels



Only drive over steps and thresholds with the chassis tilted onto the rear wheels (upwards - pulling backwards, downwards - slowly lowering forward).



Stairs may only be climbed with the help of an accompanying person.
If facilities such as ramps, lifting platforms or elevators are available, these must be used. If facilities such as ramps etc. are missing, the obstacle must be overcome by carrying two helpers.
To lift the rehab buggy, only grasp firmly welded or firmly screwed frame parts that are fixed to the base of the back.



Always lean the occupant's upper body far forward when negotiating inclines, obstacles on inclines and ramps.
Do not drive down slopes without braking, but at reduced speed. Relieving the load on the steering wheels by changing the center of gravity can lead to steering wheel flutter.



The folding rehab buggy should only be parked on horizontal, level surfaces. Should it ever be unavoidable to park it on an incline, please make sure that the seat is brought into an upright position. When the backrest is in the unloaded position, there is a risk of tipping backwards on inclines.



Always apply the brakes before leaving the folding rehab buggy or before getting in and out.



- Footboards may not be used for getting in and out.
- Only step on the footboard with shoes.



Depending on the setting of the footboard and the geometry of the folding rehab buggy, there is a risk of tipping forward when stepping over the footboard. It is essential that you practice the first steps with the child with an assistant who secures the rehab folding buggy and modify the footrest and seat height settings if there is a tendency to tip over. You can also increase the safety of the folding rehab buggy when getting in over the footboard by turning the steering wheel fork forwards (this increases the wheelbase).



The general driving behavior and the effectiveness of the parking brakes depend on the air pressure. With properly inflated wheels, your folding rehab buggy can be maneuvered much easier and better. Before starting your journey, ensure that the air pressure of the tires used is correct. The correct air pressure is printed on the wheel cover.



All brakes that act on the tires do not serve as service brakes, but are only designed as parking brakes. The parking brakes must not be used as driving brakes. Suddenly stopping the rehab buggy can lead to falls in extreme cases.



Make sure that packaging is kept away from children. There is a risk of suffocation when using plastic packaging.



Disposal: The product packaging and all metal, aluminum and plastic parts can be recycled. Disposal must take place in accordance with the respective national legal regulations. Please ask the city / community administration about local waste disposal companies.

Check the condition of the product if the packaging shows signs of damage.



Never leave your child unattended in the rehab buggy for children and adolescents. Not even if it is secured with seat belts and the brakes are applied.



The user should wear light-colored clothing or clothing with reflectors in the dark in order to be seen better.
We also recommend installing active lighting



With extreme settings such as B. short wheelbase and back in the rearmost position (active setting) and an unfavorable posture, the rehab buggy can tip over on a flat surface.



When driving uphill, the static stability can be less than 10 °.
Hanging heavy bags or the like on the push handles can also have a negative effect on stability.



The maximum user weight / maximum payload of the folding rehab buggy is 75 kg.



All accessories and attachments reduce the remaining load capacity.

Danger!

If and whenever possible, vehicle occupants should use the seats installed in the vehicle and the associated restraint systems while driving a vehicle for the disabled. This is the only way to ensure that occupants are optimally protected in the event of an accident.

DURO is not approved for use as a seat in BTW.



Always ensure that the quick-release axles on the drive wheel are correctly adjusted. It must not be possible to remove the drive wheel if the button on the quick-release axle is not pressed.



Neither the seat nor the back height may be exceeded.



The installation of seat shells is only permitted within the seat area specified by the design. The manufacturer of this new combination must check the stability against tipping and compliance with the maximum load before commissioning.
Always use padded seat cushions when using the seat and back plates to avoid pressure points!



Avoid reaching into the clamping areas. There is a risk of pinching on the following assemblies:

-
-



To lift the rehab buggy, only grasp firmly welded or firmly screwed frame parts.



The **HOGGI** seat cushion (Trevira CS) as well as the **HOGGI** back cushion are flame retardant in accordance with the standards EN 1021-1 and EN 1021-2. When using other seat cushions and back cushions than those originally supplied by **HOGGI** or with additionally used cushions the flame-retardant effect is not given.



Beware of extreme temperatures. The rehab buggy can get very hot from sunlight, on a radiator or in the sauna. In extreme cold there is a risk of hypothermia.
For people with insensitive skin (i.e. people who cannot perceive a rise in temperature) and / or with skin damage, make sure that metal parts do not reach too high a temperature. In these cases it is imperative to wear appropriate clothing to protect the skin.



Visually impaired people or people with cognitive impairments must have information material and the operating instructions read out to them by auxiliary persons, or they can use electronic reading aids. All documents are available as PDF files at **www.hoggi.de** in the download center. Product videos and product photo galleries are also available online!



After all adjustment work, tighten the previously loosened screw connections again.

4 Required tools and maintenance plan

4.1 Required tools



Reversible ratchet and socket wrench inserts size. 8-24



Torque wrench measuring ranges 5-50 Nm



Wrench size 10-24



Allen key size 3 - 6



Screwdriver blade width 2,5 3,5 and 5,5



Philips screwdriver size 2



Plastic hammer



Hammer ca. 300 g



Carpet knife with sickle and standard blade



Side cutter




Liquid thread locker «medium firm»



Rivet pilers for rivets up to 5 mm

4.2 Maintenance		Duro Road frame		Customer:			
Pos.	Area	Exam(Checkliste to tick off <input type="checkbox"/>)					
	Serial number:	1.) Function / setting (see operating instructions)		2.) No damage / deformation		3.) Screw connections	
Road frame							
1.1	Front frame		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
1.2	Front struts		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
1.3	Rear frame			<input type="radio"/>	<input type="radio"/>		
1.4	Brake with rear axle	- Brake	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
1.5	Push handle	- Folding mechanism - Locking - Angle adjustment of the push handle	<input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/> <input type="radio"/>		
1.6	Seat camp		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
1.7	Front wheels	- Tires - Air pressure - Running behavior - Quick release	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
		- Pivoting the wheel forks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
1.8	Rear wheels	- Tires - Air pressure - Running behavior - Quick release	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Accessories							
1.9			<input type="radio"/>		<input type="radio"/>		<input type="radio"/>
1.10			<input type="radio"/>		<input type="radio"/>		<input type="radio"/>
1.11					<input type="radio"/>		<input type="radio"/>
1.12	Steering stop	- Locking - Straiht ahead	<input type="radio"/> <input type="radio"/>		<input type="radio"/>		<input type="radio"/>
	Do the settings on the subframe meet the requirements of the user?		<input type="radio"/>				
Notes:							
The maintenance was carried out by: at the:							

4.3 Maintenance		Duro Seat unit		Customer:	
Pos.	Area	Exam(Checkliste to tick off <input type="checkbox"/>)			
	Serial number:	1.) Function / setting (see operating instructions)	2.) No damage / deformation	3.) Screw connections n	
Seat unit					
2.1	Seat base	- Optical control	<input type="radio"/> <input type="radio"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/> <input type="radio"/>
2.2	Seat	- Seat depth adjustment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.3	Thigh guides	- Seat width adjustment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
			<input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/> <input type="radio"/>
2.4	Side pads	- Fold in / remove	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.5	Back base	- Rückenwinkelverstellung	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.6	Rückeneinschub	- Rückenhöhenverstellung	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.7	All upholstery parts			<input type="radio"/>	
2.7	Knee angle 90°	- Locking mechanism 90°	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Knee angle system 90°-160°	- Angle adjustment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.8	Footstool	- Height adjustment - Angle adjustment - Lock (optional)	<input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Accessories					
2.9	Headrest pads	- Width adjustment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.10			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.11	Belt fixations: lap belt	- Closures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.12			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.13				<input type="radio"/>	<input type="radio"/>
2.14			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.15			<input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.16			<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Do the seat unit settings meet the user's requirements?		<input type="radio"/>		
Notes:					
The maintenance was carried out by: at the:					

5 Assembly by the specialist dealer

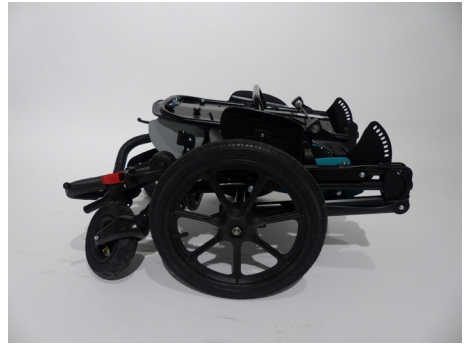
You will find the following components in the original packaging:

- Folded road frame
- Seat unit and back folded together
- Seat, back, hip and side pads
- Manual
- Accessories depending on the order

Please remove the packaging first.

To unfold, please proceed as follow:

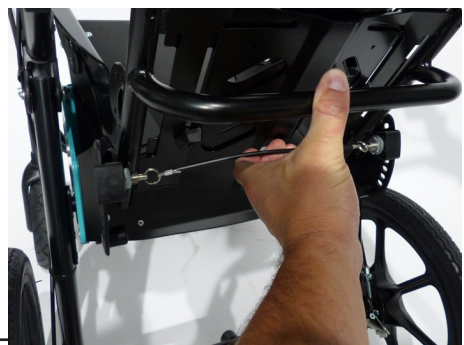
- Lift the **DURO** by the black handle of the push bar and fold it up so that you can put it on the wheels.
- Now push the handlebar back until the safety catches audibly click into place.
- Make sure that the safety catches are engaged, if necessary push them down again.



- When putting the wheel on, press it onto the axle until the quick release locks into place automatically.
- Check that it is securely seated on the axle by pulling on the wheel without using the quick release.



- Pull the release rope on the back angle adjustment and let the backrest lock in the first position.



6 Technical data

	DURO (Gr. 1 / Gr. 2)	DURO Cross (Gr. 1 / Gr. 2)
Seat width	230 - 340 mm / 280 - 390 mm	230 - 340 mm / 280 - 390 mm
Seat depth	300 - 400 mm / 350 - 450 mm	300 - 400 mm / 350 - 450 mm
Seat angle	16° oder 20°	16° oder 20°
Back height	450 - 630 mm / 620 - 830 mm	450 - 630 mm / 620 - 830 mm
Back angle	78° - 120°	78° - 120°
Lower leg length	200 - 440 mm	200 - 440 mm
Driv wheel diamter	300 x 60 mm	400 x 60 mm
Steering wheel diameter	200 x 50 mm	200 x 50 mm
User weight / maximim load*	75 kg	75 kg
Weight**	15,8 kg / 16,6 kg	16,4 kg / 17,2 kg
Overall length Maximum Minimuml	1240 mm 840 mm	1240 mm 840 mm
Overall width Maximum Minimum	630 mm 620 mm	680 mm 670 mm
Height	1010 mm	1010 mm
Mass of the heaviest part (seat unit)	14,6 kg	15,4 kg



DANGER!

* Accessories and attachments reduce the remaining load capacity for the occupant.



DANGER!

** The weight information relates to a DURO with basic equipment and maximum seat width.



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