



PAWS

POWER ASSISTED WHEELCHAIR SYSTEMS



REHASENSE





ABOUT REHASENSE

Rehasense is a global healthcare company with a comprehensive portfolio of mobility and care solutions. We aim to provide our customers with mobile freedom and independence, supporting them in their family, social and professional lives.

We achieve this by thinking outside the box when developing future mobility solutions and by constantly

developing our products and knowledge. The dynamics in the company are characterised by an agile corporate structure and mutual respect.

We would like to take this opportunity to thank our customers for their trust in the Rehasense brand and its products.

TOP TECH EXPERTS

The interdisciplinary Rehasense team is made up of specialists in engineering, product design and the luxury goods industry with decades of professional experience.

Rehasense specialises in innovative quality products for the rehabilitation market with a focus on safety, compliance, design, and functionality. The product range includes mobility aids such as rollators, power add-on

devices, wheelchairs as well as care beds, transfer aids and ramps.

All products offered are manufactured in accordance with our certified Quality Management System (QMS), which complies with the international standards ISO 9001 and ISO 13485 as well as the legal requirements of the European Medical Device Regulation (MDR).

"Our goal is to improve people's mobility, independence and quality of life and provide them with a brighter future. That is what Rehasense stands for."

Roger Dutton
CEO Rehasense Group



POWER ASSISTED WHEELCHAIR SYSTEMS

PAWS is the ideal power add-on for your wheelchair: PAWS combines ergonomics and functionality with appealing design and transforms your manual wheelchair into an exciting vehicle. Drive to work independently, go shopping or discover new places. PAWS is a great alternative to the car and allows you to enjoy your life independently.

There are three PAWS models available. The City comes with a 12" and 14" wheel has a short wheelbase and small turning circle and is ideal for use indoors or on smooth roads. The Cruiser has a 16" wheel and is suitable for use on medium to more challenging terrain. The Tourer has a 20" wheel which is available with two tyre widths - a 2" all-purpose tyre and a 4" fat tyre for rougher terrain.



Rainer Küschall,
Race driver, inventor,
designer and co-founder
of PAWS

"My vision was to develop the best power add-on for wheelchair users. In cooperation with the Research and Development team, we have undoubtedly reached the next level of electric power add-ons.

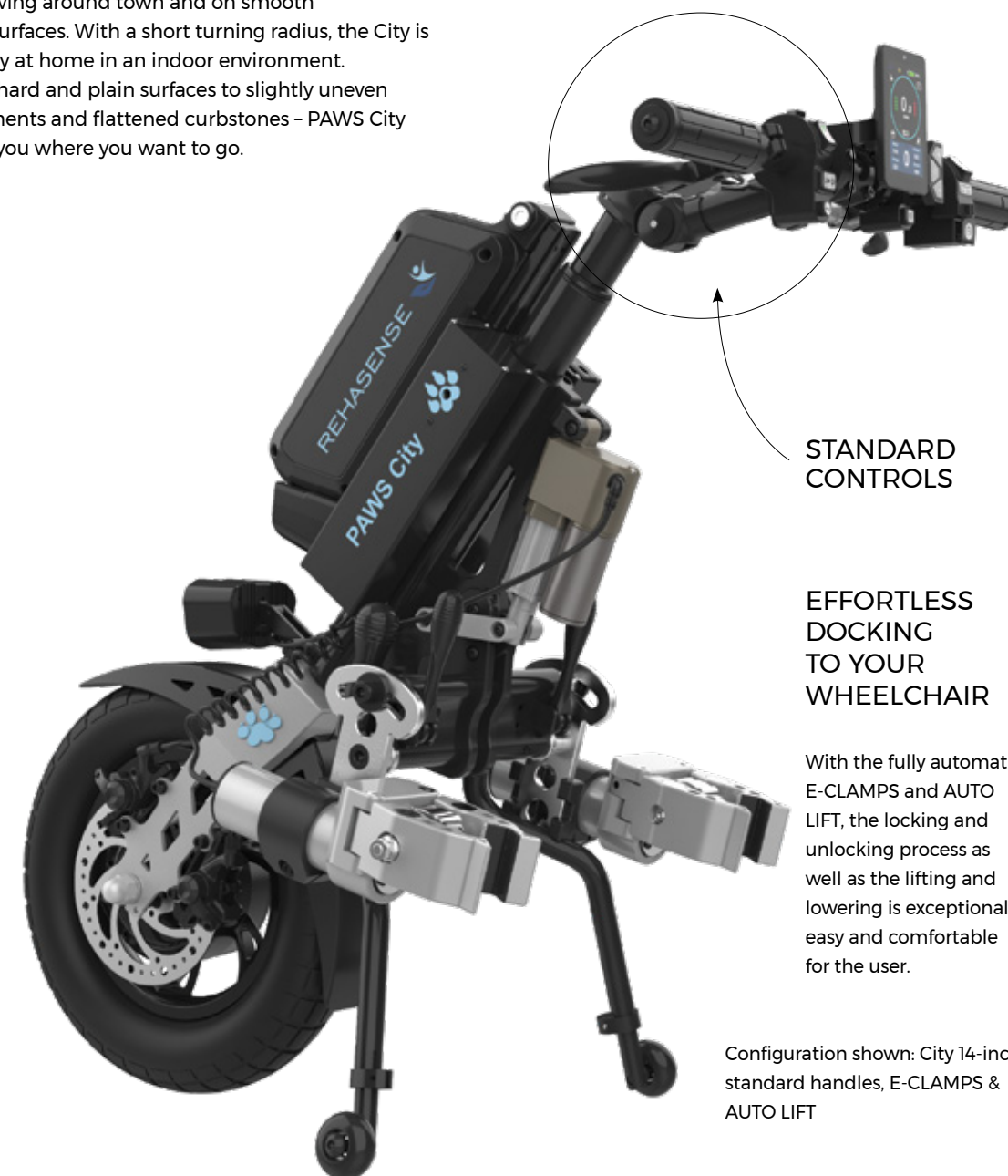
I am particularly proud of the E-CLAMPS and AUTO LIFT features. I truly believe that PAWS is a revolutionary product. I myself am a tetraplegic and throughout the years I have not found a power add-on which fulfilled all of my requirements. That's why it was important for me to ensure that PAWS was as user-friendly and safe as possible.

The innovative automatic clamping and lifting mechanism in combination with the tetra controls is fantastic for users with various medical conditions where not only the hand and arm functions are affected. Even users with various muscle disorders can operate PAWS thanks to the AUTO-AUTO/TETRA combination. Therefore, PAWS provides wheelchair users around the world with new opportunities and helps them to enjoy their newfound independence. I hope that you too will experience all kinds of adventures with your PAWS in the future."

CITY

EXPERIENCE UNLIMITED MOBILITY

Let PAWS be part of your everyday mobility: Drive to work with ease and do your shopping comfortably on the way home. PAWS City is available with a 12" or 14" drive wheel and is primarily designed for driving around town and on smooth road surfaces. With a short turning radius, the City is equally at home in an indoor environment. From hard and plain surfaces to slightly uneven pavements and flattened curbstones - PAWS City takes you where you want to go.



STANDARD
CONTROLS

EFFORTLESS
DOCKING
TO YOUR
WHEELCHAIR

With the fully automatic E-CLAMPS and AUTO LIFT, the locking and unlocking process as well as the lifting and lowering is exceptionally easy and comfortable for the user.

Configuration shown: City 14-inch,
standard handles, E-CLAMPS &
AUTO LIFT

CRUISER

ENJOY YOUR INDEPENDENCE

For those who enjoy being on the move, even off the beaten path, the PAWS Cruiser is the perfect choice. Ideal for longer journeys, its 16" drive wheel ensures safe travel over uneven terrain and maintains stability on rough surfaces, providing a new level of independence. With a robust engine, superior traction, and optional off-road tires (available as an accessoire), it excels in varied terrain. Additionally, it comfortably accommodates larger and taller individuals.



MANUAL CLAMPS

Thanks to the quick release MANUAL CLAMPS, the locking and unlocking process is very simple, user friendly and fast (takes seconds). No frame modifications or add-ons are necessary. Once docking is complete, MANUAL LIFT allows you to lift yourself into the driving position using the release button on the handlebars.

Configuration shown: Cruiser 16-inch, standard handles, MANUAL CLAMPS & MANUAL LIFT

TOURER

DISCOVER NEW PLACES WITH PAWS

Do you like going to new places? With PAWS Tourer you can feel confident even in unexplored places. Designed primarily for off-road use, the PAWS Tourer can overcome sand, gravel, cobblestones and much more. PAWS Tourer has the longest wheelbase in the PAWS range. So while the large 20" drive wheel overcomes roots and uneven terrain, it also provides a smooth and stable ride while touring.



E-CLAMPS

TIP:

Equipping your Tourer with the 20" tall and 4" wide (FAT TYRE) drive wheel makes it ideal for your next off-road adventure. This configuration will easily get you to places that would be difficult for other models.

Configuration shown: Tourer 20" with 4" FAT TYRE, standard handles, E-CLAMPS & AUTO LIFT

SPECIAL FEATURES

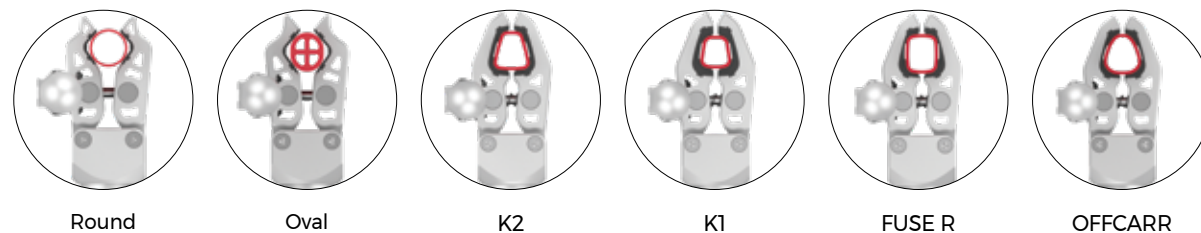
1 PAWS IS COMPATIBLE WITH ALMOST ALL WHEELCHAIRS ON THE MARKET

PAWS boasts exceptional compatibility, to integrate with almost all wheelchairs on the market thanks to a variety of clamps.

This adaptability ensures that nearly every wheelchair model on the market can be combined with PAWS. This applies to all manual wheelchair models, with rigid and foldable frames, and also those with removable leg rests.

We have developed special clamping solutions for all known wheelchair models that are not made of round tube profile, such as Kuschall's K2 profile or oval profile from other manufacturers*.

Important: We do not recommend using PAWS with carbon fibre wheelchairs. Rehasense takes no responsibility for any damage.



2 E-CLAMPS & AUTO LIFT

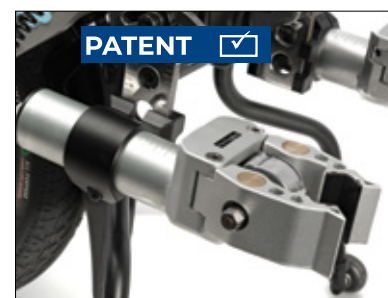
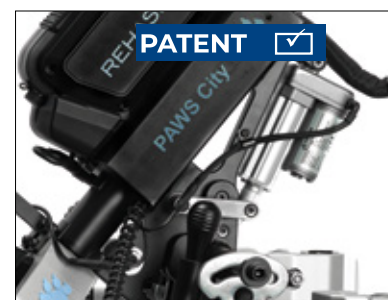
WORLD'S FIRST

Thanks to the innovative E-CLAMPS and AUTO LIFT functions, the docking and lifting process is very user friendly. This is also possible with reduced finger and hand functions as well as limited body strength.

Simply drive your wheelchair into the clamps, press the Red Button on the handlebar, followed by the release switch. The clamps close and lock automatically and you will be lifted effortlessly into the driving position.

AUTO LIFT:
automatic lifting
and lowering

E-CLAMPS:
automatic locking
and unlocking



3 UNIVERSAL CLAMPING AND ADJUSTMENT SYSTEM

PAWS has the simplest and most universal docking system on the market. With MANUAL CLAMPS and E-CLAMPS, either manual or fully automatic operation is possible. Once the wheelchair has rolled into the clamps, it can be locked and unlocked manually on both sides simultaneously using the levers. The advantage of MANUAL CLAMPS is that it only takes five seconds to connect and disconnect

PAWS and the wheelchair. The automatic locking and unlocking mechanism of PAWS is conveniently activated at the push of a button. The wide range of possibilities for adjustment and adaptations ensures easy mounting on a variety of folding and rigid-frame wheelchairs. Thanks to the universal clamping and adjustment system, no additional add-ons or modifications to your wheelchair are necessary.



E- CLAMPS for easy docking



MANUAL CLAMPS

LIFTING FUNCTION

Depending on the selected PAWS configuration, lifting is possible in two ways: Once docking is complete, you can lift yourself into the driving position with MANUAL LIFT using the release lever on the handlebar.

With AUTO LIFT you are automatically lifted into the driving position. Start by pressing the Red Button. Now you have 20 seconds to operate the release switch on the handlebar in order to start the automatic clamping and lifting mechanism. This solution was specifically developed for users with limited hand function and strength.

Important: Please note that PAWS is also available with Hybrid functionality, which means with combined E-CLAMPS & MANUAL LIFT or MANUAL CLAMPS & AUTO LIFT. In case you need one of these versions, please contact our dealer or Rehasense directly for further information.

*Please contact your dealer or Rehasense directly if you have any question about it.

SPECIAL FEATURES

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TETRA CONTROLS

THE GROUNDBREAKING SOLUTION FOR TETRAPLEGICS

Limited hand functions, often associated with severe paraplegia, present a particular challenge for using a power add-on.

Consequently, tetraplegics have rarely had the opportunity to use electric power add-ons and enjoy the independence they can offer. This is something we wanted to change!

The result: tetra controls which can easily and safely be operated even by users with missing or limited hand functions.

STABILITY

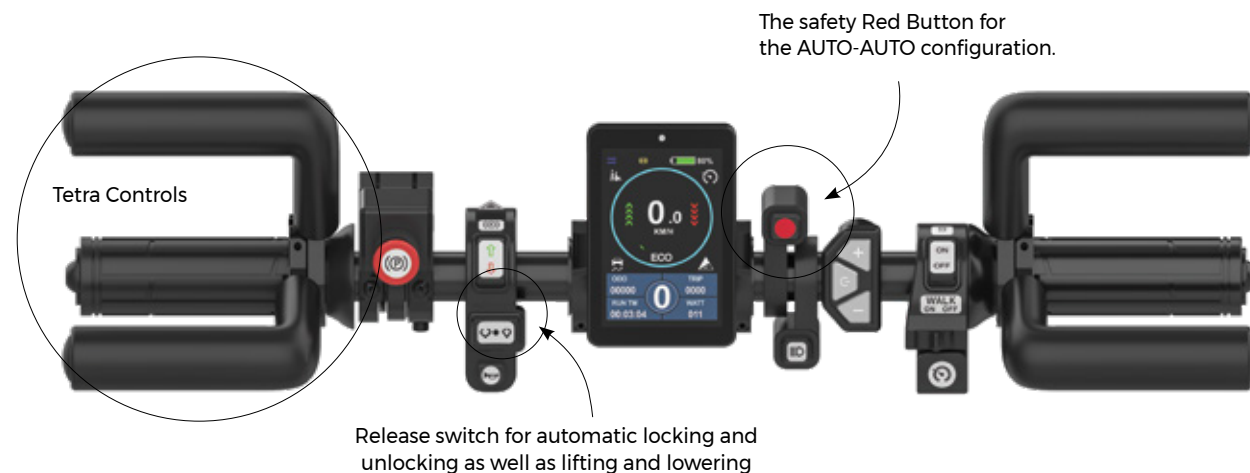
TETRA handles are available with a horizontal or vertical arm design, for both right and left-handed users. They can also be combined if needed.

The ergonomic shape of the handles and the individual adjustment options provide bilateral stabilisation as well as safe steering. Even manoeuvring around corners and uneven terrain can be comfortably accomplished.

TETRA HYDRAULIC BRAKE

Another innovation is the easy-to-use and adjustable hydraulic brake for tetraplegics. It is optimised for weaker hand functions and suitable for most degrees of disability.

That version does not come by default, so remember to select it.



TETRA CONTROLS WITH THE “RED SAFETY BUTTON”

The Red Button is an additional safety feature. It must be pressed to activate the release switch for the AUTO-AUTO function. When the user presses the Red Button, they have 20 seconds to operate the release switch. This ensures that the release switch cannot be activated accidentally while driving.

5

ERGONOMICS & CONTROL

PAWS takes convenience to the next level. Engineers, ergonomists and therapists have worked together to create for you the most convenient product on the market. With the ability to adjust the height and depth, there is an extensive range of settings available to ensure you can set the handlebars to the optimum position for comfort. This is especially beneficial for quadriplegic and tetraplegic users. For MANUAL CLAMP & LIFT, a short or long wheelbase can be set, so-called DUAL DRIVING POSITION.

The display is mounted centrally on the handlebar and can be easily adjusted to the optimal position for you. Information on view includes your speed, travel distance, battery status and activated assistance systems. The brightness of the display automatically adjusts to the existing level of ambient light.



Parking position



Touring position



City position



Standard handles

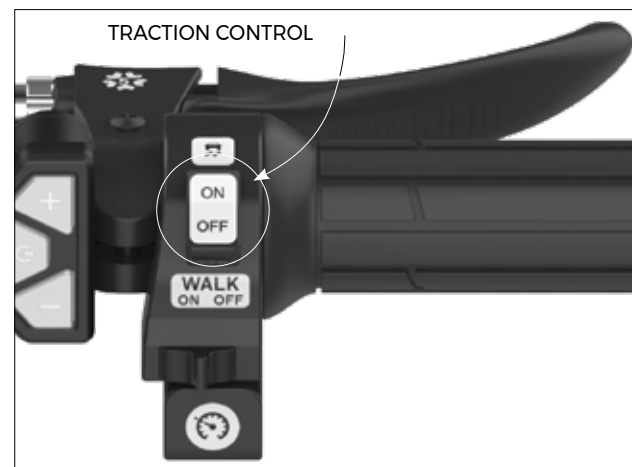
SPECIAL FEATURES

6

ASSISTANCE SYSTEMS

TRACTION CONTROL

The on/off switch for TRACTION CONTROL is positioned on the right-hand side of the handlebar. TRACTION CONTROL maintains wheel-to-road traction in slippery or challenging driving conditions. With its help, wheel spin is largely prevented, thereby optimising your PAWS' traction.

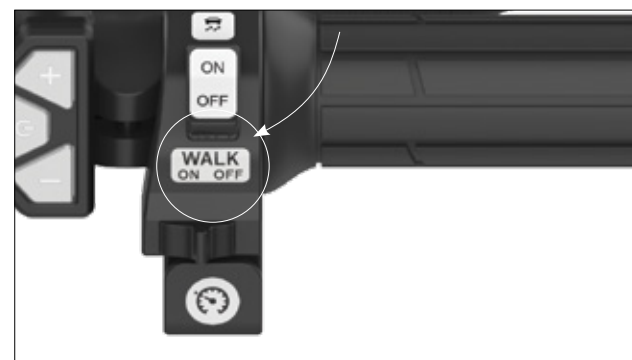


TIP:

You can adjust the intensity of the traction control in up to 10 steps to suit your individual needs.

WALK

You can set a steady walking speed ranging from 2-6 km/h.



CRUISE CONTROL

A steady driving speed can be set for longer trips without the need to hold the throttle in position.



HILL-START ASSIST CONTROL (HAC)

The Hill-Start Assist Control (HAC) is a crucial safety feature that enables users to start on a slope without rolling back. By holding the brake and simultaneously applying the gas, users can confidently initiate movement on inclines.

To activate this feature, simply press the HAC button, which will illuminate red for 20 seconds. During this time, the T-brake/e-brake is disengaged, allowing the handbrake to function as a parking brake. After the 20-second interval, the system automatically re-engages the brake, ensuring continuous safety.

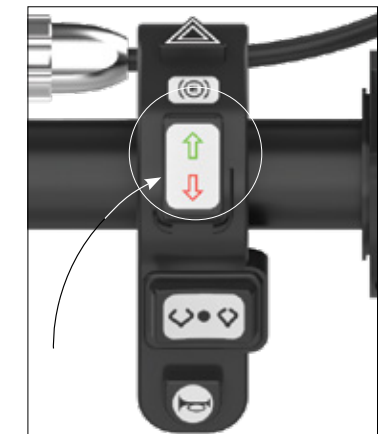


7

SPEED

PAWS is delivered at a speed according to the applicable national and local regulations for speed limits or a maximum of 15 km/h.

With the help of a toggle switch you can switch between forward and reverse gear. For safety reasons, we recommend wearing a helmet.



Forward and reverse gear

BRAKES

PAWS features an electrically assisted braking system. Equipped with a disc brake, two brake levers and two separate brake calipers, PAWS aims for maximum safety. The two brake calipers on the drive wheel provide an enhanced braking performance while also being a safety feature. The brakes can be operated by one hand or both, if heavy braking is needed. The electrically assisted braking system can easily be adjusted to your requirements via the display. For safety reasons, this adjustment is made through your Rehasense retailer.



TRACK ASSISTANCE

HYDRAULIC DISC BRAKES for standard and Tetra handles, for left and right hand. Complete set of hydraulic disc brake. Our brakes use Hydraulic Mineral Oil and the fittings are Shimano compatible.



TRACK ASSISTANCE

PAWS is equipped with our TRACK ASSISTANCE. The self-centring steering system straightens PAWS after letting go of the handlebar. This provides optimal directional stability, better driving comfort and, above all, safety while driving.



* Please note that in the area of application of the Road Traffic Act (StVO), the speed of 6 km/h may not be exceeded without compulsory insurance. When using the PAWS at 10 or 15 km/h within the area of application of the StVO, an individual approval according to StVZO and insurance according to the compulsory insurance law is necessary. Outside of Germany, it is essential that you inform yourself in detail about the country-specific legal regulations and provisions before using your PAWS.

SPECIAL FEATURES

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BATTERY

The standard Lithium Ion battery (48 V, 11.6 Ah) has a capacity of 557 Watt hours. For a full charge, the battery only needs up to 5 hours of charging. On top of the battery is a charge level indicator. The smart charger cuts out once full charge is reached. On a full charge you can reach a range of up to 40 km (depending on terrain, driver weight and model chosen). With a convenient strap handle, it easily clips into the retainer and is secured in place with its own key and lock. An IATA compliant "flying" battery is also available for when you take your PAWS on a flight. Battery changes are easy and quick, so when it's running low, you can swap for a full one. For longer trips we suggest upgrading to the dual battery holder.

INGRESS PROTECTION

PAWS has an IP54 rating and is therefore protected against dust and water splashes from all sides. So rain, puddles or moisture are not an issue.

LIGHTING

PAWS is equipped with a powerful LED headlamp that provides both high and low beam.



Inserting the battery



REAL STORIES



"PAWS gives me so much more freedom and independence."



Henry Manni a Finnish wheelchair athlete, has an impressive track record, having won medals at both World and European Championships. Notably, he earned a bronze medal at the 2016 Rio Paralympics. Recently, he secured two bronze medals at the 2024 World Para Athletics Championships in Kobe, Japan.

"I am now the coolest guy in school"



Zack, a 14-year-old student had been dependent on a wheelchair for 10 years and at school he was often left feeling disappointed as he was not able to ride with his friends when they are out on their bikes.



TYRE INFLATOR

The smart tyre inflator has a built-in rechargeable battery that drives a mini compressor for inflating the tyres. The pump automatically senses the set pressure limits and switches itself off. Charging takes place via the integrated USB-C port. Another highlight is the LED light, which turns the tyre inflator into a practical flash light.



BAG

Upgrade your PAWS with a handy and detachable carrier bag. It has a large inner compartment with plenty of storage space and a zip-up top. It is also water-repellent. On the left side, there is an outer pocket made of mesh material that offers enough space to fit a drinking bottle. Two additional small zipped pockets at the front and on the right, allow you to store items such as your keys or smartphone safely. A mount consisting of a luggage carrier and a support bracket is required for attaching the bag - it is easy to install. The bag can simply be pushed onto the luggage carrier from above. You can additionally secure your bag with the provided Velcro straps. This is especially recommended on cobblestones and uneven terrain.



Mounting brackets



FLIGHT BATTERY

An IATA-compliant "flight battery" is also available. The flight battery (278 Wh) has a lower capacity so that it can be carried on passenger planes according to IATA regulations. Changing the battery is quick and easy. Inform the airline when booking your flight that you will be travelling with your PAWS and wheelchair and that the Flight Battery complies with IATA regulations.



DUAL BATTERY HOLDER

Equip your PAWS with a second battery to extend your range. You can easily switch to the spare battery using the toggle switch on the DUAL BATTERY HOLDER. This will increase your safety, especially on longer trips.



Accessories installation instructions can be found here.



PACKING

Your PAWS is delivered in durable packaging. If possible, keep this for a return or transport.

Width Adjustment Rods: Enable fitting to a range of different wheelchair widths



Each PAWS comes with a set of Allen keys

FOOT REST

We are excited to introduce our innovative foot plate solution for wheelchairs with removable footrests. This easy-to-attach accessory enhances comfort and support, seamlessly integrating with your wheelchair to provide a stable and secure footrest.



MOBILE PHONE HOLDER

With the practical holder, you always have your smartphone in sight and within reach – perfect if you want to use a navigation system or make phone calls when you're out and about.

WEIGHTS FOR PAWS

Introducing Weights for PAWS, designed to provide optimal traction in demanding situations. These weights, approximately 10 kg in total, can be adjusted to 7.5 kg or 5 kg to suit your needs. Compatible with all PAWS models and sizes, they are designed exclusively for use with standard support legs.



TRANSPORT WHEELS

Our specially designed transport wheels make lifting the PAWS into your car a breeze. Simply attach the two wheels to each handle and position the PAWS in front of the open car trunk with the wheels on top. Begin lifting from the wheels, allowing you to push the PAWS into the car easier.








Important Notice: Using PAWS Transport Wheels

Before using our transport wheels, please consult with your dealer to ensure suitability. Ensure you understand the steps to avoid injury or damage to PAWS or your vehicle. While the transport wheels make lifting PAWS way easier, a certain level of physical strength is required.

PAWS

AT A GLANCE

EXTRACT OF TECHNICAL DATA

					
	CITY 12"	CITY 14"	CRUISER 16"	TOURER 20" x 2"	TOURER 20" x 4" (FAT TYRE)
Measurements (L x W x H)	800 x 490 x 810 mm	800 x 490 x 810 mm	820 x 490 x 860 mm	1000 x 520 x 920 mm	1000 x 520 x 920 mm
Total weight	from 22.5 kg	from 23.4 kg	from 24.24 kg	from 25.4 kg	from 25.9 kg
Weight w/o battery, clamps and wide adjustment rods	from 15.26 kg	from 16.02 kg	from 17 kg	from 18.18 kg	from 18.68 kg
Max. user weight	120 kg	120 kg	120 kg	120 kg	120 kg
Engine power	350 W	400 W	500 W	500 W	500 W
Max. engine torque	45 Nm	60 Nm	78 Nm	87 Nm	87 Nm
Climbing capability	10%	10%	10%	10%	10%
Turning radius	100 cm	110 cm	120 cm	150 cm	150 cm
Battery	48 V / 11.6 Ah / 557 Wh	48 V / 11.6 Ah / 557 Wh	48 V / 11.6 Ah / 557 Wh	48 V / 11.6 Ah / 557 Wh	48 V / 11.6 Ah / 557 Wh
Battery measurements (L x W x H)	371 x 130 x 86 mm	371 x 130 x 86 mm	371 x 130 x 86 mm	371 x 130 x 86 mm	371 x 130 x 86 mm
Battery weight	3.3 kg	3.3 kg	3.3 kg	3.3 kg	3.3 kg
Charging time (full charging cycle)	5 hrs	5 hrs	5 hrs	5 hrs	5 hrs
Max. Range (with full battery charge & flat terrain)	40 km	40 km	38 km	35 km	35 km
Flight battery	48 V / 5.8 Ah / 278 Wh	48 V / 5.8 Ah / 278 Wh	48 V / 5.8 Ah / 278 Wh	48 V / 5.8 Ah / 278 Wh	48 V / 5.8 Ah / 278 Wh
Weight flight battery	2 kg	2 kg	2 kg	2 kg	2 kg

* We reserve the right to make changes.

3 MODELS - 6 FUNCTIONS - MORE THAN 30 PATENTS PENDING



CITY
12" & 14" wheel

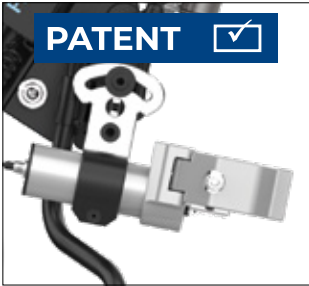


CRUISER
16" wheel

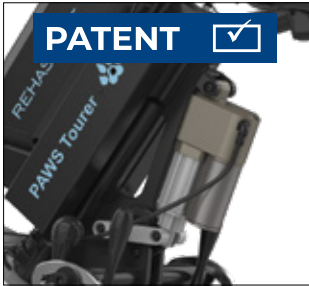


TOURER
20" wheel

FUNCTIONS



E-CLAMPS
Automatic fixation
Clamping and unclamping in seconds



AUTO LIFT
Automatic lifting
Lifts and lowers the wheelchair completely effortlessly



TETRA CONTROLS
Special Tetra brake
Full control without exertion



MANUAL CLAMP
Strong and secure
Easy and universal fitting



MANUAL LIFT
Quick and easy
Comfortably lift yourself into the driving position



TRACK ASSISTANCE
Increased driving comfort and safety
The self-centring steering system straightens PAWS after release



Scan the code to watch our “Summer fun” video and see our ICON 60 and PAWS in action.

Configuration shown:
ICON 60 + City 12-inch,
Standard Controls,
E-CLAMPS & AUTO LIFT



ICON 60
THE ACTIVE WHEELCHAIR



DESIGNED WITH HIGH ADJUSTABILITY

The new ICON 60 manual wheelchair is one of the most adjustable wheelchairs currently available. This latest addition to the REHASENSE portfolio which features a lightweight rigid 7000 Series Aluminium Alloy frame and carbon fibre side panels has been designed to enable the user to adjust various elements of the chair to suit their individual needs. The frame length and seat angle are adjustable and for maximum comfort, the backrest – which is foldable to assist with transporting the ICON 60 by car – can be adjusted forward by up to 20° or backwards by up to 10°.

TECHNICAL DATA

SWL	120 kg
Weight (without wheels and seat cushion)	from 6.9 kg
Seat widths	36-48 cm
Seat depths	42-46.5 cm (1.5 cm increment)
Seat angles	6°, 10°, 13°
Center of gravity adjustment	8 positions (1.3 cm increment)

* We reserve the right to make changes.



BEST FIT FOR PAWS

ICON 30 FAF



Configuration shown:
ICON 30 FAF + City 12-inch,
Standard Controls,
E-CLAMPS & AUTO LIFT



ICON 30 FAF

THE LIGHTWEIGHT WHEELCHAIR



STABLE AND RELIABLE
The ICON 30 FAF is an extremely stable wheelchair that can be used for outdoor activities. The foldable wheelchair with its fixed anterior frame (FAF) offers several adjustment possibilities and can therefore be adjusted to the needs of its user. Depending on the user's activity level, different levels of adjustment can be selected. The front caster angle is adjustable, allowing a wide combination of seat heights and seat angles to support all types of wheelchair users.

TECHNICAL DATA

SWL	125 kg
Weight / Transport weight	13.6 kg (9.6 kg)
Seat widths	40, 45 cm
Seat depths	40, 45 cm
Width folded	35 cm
Total width	63, 68 cm

* We reserve the right to make changes.

BRAND AMBASSADORS



Tomasz Biduś after attending the QUFORA EGMONT OPEN 2022 rugby tournament in Denmark.

ABOUT TOMASZ BIDUŚ

Tomasz Biduś is a professional wheelchair rugby player and coach of the Brazilian national wheelchair rugby team.

"For me as a wheelchair user it is immensely important that I have products that meet my needs and support me in my mobile life. As an athlete you push yourself to your limits and always try to give your best. PAWS is the most innovative power add-on system for wheelchairs. It gives you a fantastic feeling of unlimited mobility."

FOR OUR ACTIVE LINE



ABOUT TOMASZ ŁYKO

Tomasz Łyko is a national representative for wheelchair basketball and an active rehabilitation instructor.

Scan the code to watch our video "Friends" with our brand ambassadors Tomasz Biduś and Tomasz Łyko.



The PAWS power add-on and the TRACK WHEEL outdoor front wheel were designed to be very easy to attach and detach from the wheelchair. The ICON 60 active wheelchair is one of the most flexible adjustable wheelchairs currently on the market. Being so highly adjustable, the user can achieve the perfect sitting position with optimum comfort and postural support.