TRAVRSA™

IKON Mobility

Operating Manual

Manual Wheelchair Series – Model 40

Distributor/ Manufacturing Representative: This manual must be given to the caregiver responsible for this wheelchair and its occupant.

Caregiver, Clinician or Social Services: Before using this wheelchair, read this manual thoroughly and save for future reference.

2. General Information

Dear Customer,

Thank you for choosing an **IKON** 40 manual wheelchair. This user manual contains a description of the medical equipment and essential guidelines to ensure the correct and safe usage of the product. Please read and understand this manual carefully. It is especially important to read the safety requirements and to follow these. This manual will assist you in making the best use of the capabilities of your chair and will ensure that you quickly become familiar with its operation.

This document provides guidance on the safe and effective operation of your product.

Information in this manual must be followed at all times.

Anyone involved with the operation or maintenance of the product, including the resident's family members, must read this operating manual before using the chair.

The resident's primary caregiver is responsible for ensuring that anyone who is unfamiliar with, unwilling, or unable to adhere to the safety and operating instructions, is not permitted to operate or move the chair. A copy of this instruction manual must always be available.

Travrsa accepts no liability for damages, injury or accidents caused by operating errors, improper maintenance, or disregard of the instructions in this manual, including any resident specific instructions.

Travrsa reserves the right to make changes to the specifications, dimensions, functions, or components of its products without notice. Product representations in this manual may vary from delivered products. Each chair has a unique identifying serial number that must be maintained on the chair as well as with any equipment records.

For questions, please contact your medical equipment dealer or local distributor directly:

3. Indications for Use

The standard IKON 40 is a manual wheelchair device that is intended to be used to provide mobility to persons ages 12 and over (adolescents and adults) with a weight capacity of 300 lbs. The device is to be used as a means of mobility for persons limited to a sitting position.

The manual wheelchair is a medical device indicated for use by persons with limited motion abilities who are unable to stand, walk and/or sit independently. The IKON's use is committed to the transportation and moving of such people in sitting position. Users can move with the wheelchair independently or with the help of an attendant. The chair can be used indoor and as well as outdoor on different surfaces (asphalt, concrete, stone and gravel) in good weather conditions. Any other use of the chair is excluded from possible liability claims.

The IKON should not be used in the shower or bath. The frame and components will rust and will void the warranty. The chairs are not explosion resistant and must not be used where there are flammable gases or liquids present (e.g., anesthetics, volatile solvents and cleaners, etc.) products are designed for use with specific IKON parts and accessories. The use of non-IKON parts or accessories with the IKON wheelchair may void the warranty and is excluded from possible liability claims.

The IKON products may only be used as described in this manual and with proper regard for recognized healthcare and workplace safety and accident prevention practices.

Indications: The device is specifically indicated for individuals who (because of the wide variety of possible health problems) are unable to stand and/or walk and so they need a transportation device to maintain some or all daily tasks.

Contra-indications: This type of wheelchair must not be used by persons with flaccid paralysis or other diseases that cause serious body control problems. Such persons require special wheelchairs designed for extra stable support of the user's body. The need and possibility of usage of an IKON wheelchair should always be estimated an indicated by a physician or a physical therapist. The manual wheelchair is a medical device indicated for use by persons with limited motion abilities who are unable to stand, walk and/or seat independently. It dedicated to the transportation and moving of such people in a seating position.

Safety and quality standards

The **IKON** wheelchair has passed all necessary non-clinical laboratory tests and conforms with the following North American and European Standards:

- ANSI / RESNA WC/Volume 1 – 2009, Section 1: Determination of Static Stability
- ANSI / RESNA WC/Volume 1 - 2009, Section 5: Determination of Dimensions, Mass and Maneuvering Space
- ANSI / RESNA WC/Volume 1 - 2009, Section 7: Measurement of Seating and Wheel Dimensions
- ANSI / RESNA WC/Volume 1 - 2009, Section 8: Static, Impact and Fatigue Strengths Tests
- ANSI / RESNA - ISO 7176-11 Wheelchairs- Section 11: Test Dummies
- ANSI / RESNA – ISO 7176-13 Wheelchairs- Section 13: Determination of coefficient of friction
- ANSI / RESNA WC/Volume 1 – 2009, Section15: Requirements for Information Disclosure, Documentation and Labeling
- ANSI / RESNA WC/Volume 1 – 2009, Section16: Resistance to Ignition of Upholstered Parts
- CAL117:2013, Section 1: Flammability Testing
- ISO 8191-1:1987 & 8191-2:1988: Flammability Testing

The IKON wheelchair has been tested to the following standards, but are not intended to be used for substantial equivalence.

- PN-EN 12182:2005
- PN-EN 12183:2010

- PN-EN 1021-1:2007
- PN-ISO 7176-1,3,5,7,8,15
- PN-ISO 7176-19
- EEC 42/93 Medical Devices Directive.

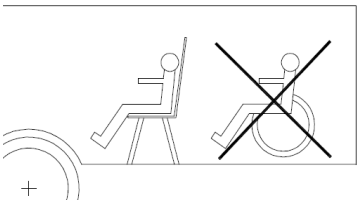
Spec Sheet per ISO 7176-15 and RESNA WC-1: 2009, Section 15

Standard Reference		Min	Max	Standard Reference		Min	Max
ISO 7176 Section 5 & RESNA WC 5:2009	Overall length with legrest	..... mm	..... mm 1073	ISO 7176 Section 7 & RESNA WC 7:2009	Seat plane angle	..... °	..... ° 4
ISO 7176 Section 5 & RESNA WC 5:2009	Overall width	..... mm	..... mm 667	ISO 7176 Section 7 & RESNA WC 7:2009	Effective seat depth	..... mm	..... mm 486
ISO 7176 Section 5 & RESNA WC 5:2009	Folded length	..... mm	..... mm 787	ISO 7176 Section 7 & RESNA WC 7:2009	Effective seat width	..... mm	..... mm 445
ISO 7176 Section 5 & RESNA WC 5:2009	Folded width	..... mm	..... mm 343	ISO 7176 Section 7 & RESNA WC 7:2009	Seat surface height at front edge	..... mm	..... mm 438
ISO 7176 Section 5 & RESNA WC 5:2009	Folded height	..... mm	..... mm 864	ISO 7176 Section 7 & RESNA WC- 7:2009	Backrest angle	..... °	..... ° 9.3
ISO 7176 Section 5 & RESNA WC 5:2009	Total mass	..... kg	..... kg 15.4	ISO 7176 Section 7 & RESNA WC 7:2009	Backrest height	..... mm	..... mm 438
N/A	Mass of the heaviest part	..... °	..... °	ISO 7176 Section 7 & RESNA WC 7:2009	Footrest to seat distance	..... mm	..... mm 413
ISO 7176 Section 1 & RESNA WC-1:2009	Static stability downhill	..... °	..... ° 24.2	ISO 7176 Section 7 & RESNA WC 7:2009	Leg to seat surface angle	..... °	..... ° 104.2
ISO 7176 Section 1 & RESNA WC-1:2009	Static stability uphill	..... °	..... ° 27.2	ISO 7176 Section 7 & RESNA WC 7:2009	Armrest to seat distance	..... mm	..... mm 210
ISO 7176 Section 1 & RESNA WC-1:2009	Static stability sideways	..... °	..... ° 18.1	ISO 7176 Section 7 & RESNA WC 7:2009	Front location of armrest structure	..... mm	..... mm 394
N/A	Energy consumption	..... km	..... km	ISO 7176 Section 7 & RESNA WC 7:2009	Handrim diameter	..... mm	..... mm 483
N/A	Dynamic stability uphill	..... °	..... °	ISO 7176 Section 7 & RESNA WC 7:2009	Horizontal location of axle	..... mm	..... mm -38
N/A	Obstacle climbing	..... mm	..... mm	N/A	Minimum turning radius	..... mm	
N/A	Maximum speed forward	..... Km/h	..... Km/h				
N/A	Minimum braking	..... mm	..... mm				
N/A	distance from max speed						

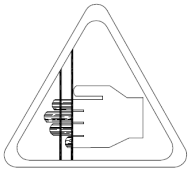
4. Safety Warnings & Recommendations

- The device must not be loaded an occupant with more than 300 lbs.
- Make sure that this user manual is read by all persons using the device. The manufacturer doesn't take any responsibility for damages and/or injuries, caused by the fact that the user manual has not been followed.
- Use the product only in good technical condition.
- Use the device only for the purpose as intended.
- Avoid making after-market constructive changes on the device, unless you have the manufacturer's expressed written approval for such modifications.
- During different adjustments which are possible on the device, the user must take care not to squeeze fingers or other body parts between two moving elements of the equipment.
- All wheels should be in contact with the floor at all times during use. This will ensure the device is balanced correctly and should avoid incidents.
- When using the wheelchair in a stationary position, the hand brakes must be locked
- If defects or errors are detected, you must immediately contact your dealer.
- Follow the instructions and warnings on all product labels.
- The device must only be used on a stable surface.
- Avoid skin burns during usage of the chair in direct sunlight. Various parts of the product might become hot.
- It is not recommended to use the wheelchair on sand, in mud or extreme weather conditions.
- Do not remove by yourself any parts or accessories of the wheelchair. It may influence the product's stability and rigidity.

WARNING!



The wheelchair is not designed as a seating option for a user in moving vehicles (e.g. buses, trains, metro, airplanes etc.). It is prohibited to seat on the wheelchair in moving vehicle. The wheelchair should be safely stowed and secured for the time of transportation. The wheelchair user should be safely transferred and seated in a prompt seating system included in the vehicle. It is a great risk of serious incident, injuries and property damage to not follow the above rule.



The design of the wheelchair because of its functions includes many moving elements, slots, holes and gaps between the device's parts. There is a risk of body part trapping during folding, unfolding and adjusting different elements of the wheelchair. This risk is especially relevant to fingers or hands. It is also possible to have a finger cut by moving parts of the device. Always be careful when you adjust or set up a chair to not get your body parts squeezed and injured.

5. Product’s General Description

The IKON manual wheelchair comes with a variety of features: parking brakes, removable & height adjustable legrests, detachable & height adjustable armrests and it is equipped with rear main wheels, front turning casters, single or double cross. The wheelchairs are delivered in boxed cartons. The device is made from powder coated steel or aluminum tubing to protect against corrosion. For some adjustments, you will need some standard tools available in most hardware stores (Allen wrench).

The wheelchair provides comfortable transportation and storage thanks to its solid cross frame structure, easy maneuvering, easy transfer in to and out of the wheelchair.

Each standard wheelchair box comes shipped in every package with:

- One main cross frame with upholstery, two brakes, two armrests, two rear wheels & two front casters
- Two detachable legrests with footplates
- One user's manual
- One Allen wrench

Each individual boxed set of delivered additional equipment depends on individual order specifications.

Main components:

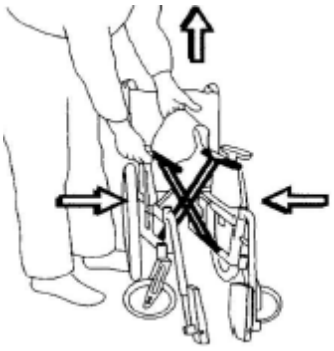
Above photo shows an example of the IKON wheelchair with all standard components and their position. The exact appearance of your wheelchair and its features may differ from those shown above (depending on order specification), but their names, functions and locations should remain the same.

Optional equipment
Depending on version and order specification the wheelchair can be equipped with different wheel types, elevating legrests, armrests, anti-tipping wheels, seating cushion, and reclining backrest.

Wheelchair assembly:
We recommend the wheelchair to be assembled and set up by a medical equipment professional before it is delivered to the end user.

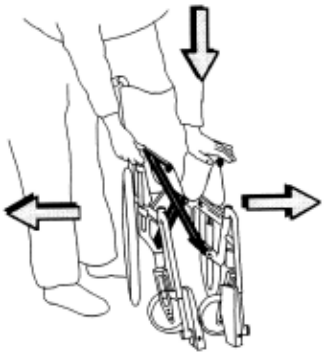
Remove all the chair's elements from the box and check if all components are included according to your order specification. If you discover that some part is missing or damaged, do not continue the assembly process but contact your dealer.

How to fold and unfold the wheelchair



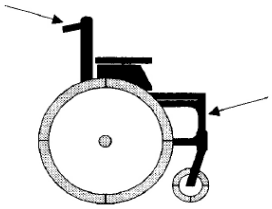
To fold: Take the cushion out. Flip up the foot plates. Lift the upholstery of the seat (left picture).

To unfold: Place both hands on the seat upholstery tubes and press them down (right picture). You should be careful and not put your hand between the tubes and the wheelchair frame when unfolding.



6. Usage

How to lift the chair
Lift the wheelchair using the push handles and the front upper corners of the wheelchair frame, where the leg rests are attached.



WARNING Do not lift the wheelchair by holding it by the legrests or the armrests. We recommend detaching the legrests from the frame before lifting the chair.

Methods to get in and out of the wheelchair
The techniques for transferring the user must be done under the strict supervision of qualified clinical staff.

Our recommended transfer techniques are:

Transferring the user from the wheelchair to the bed
The user should face the bed without regard if the other person helps or not. Drive the wheelchair as close to the bed as possible and ensure that front wheels are facing forward. Pull the brake, lift the armrests/side panels on the side of the wheelchair in which the transfer to the bed will take place.

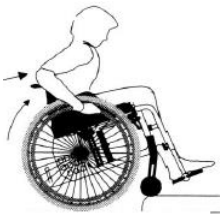
Transferring the user from the bed to the wheelchair
The user should face the bed whether performing an individual or assisted transfer. Drive the wheelchair as close to the bed as possible and ensure that front wheels are facing forwards. Pull the brake and lift the legrests. Do not step on the footrests, as this may cause falling out of the wheelchair. The attendants should predominantly use leg muscle strength to aid person from the bed to the wheelchair avoiding the excessive bending down and injuring their back.

Driving the wheelchair
The correct weight distribution is a basic element of proper wheelchair usage. The correct wheelchair operation depends not only on weight but also on body proportions, the position of the person seating in the wheelchair and the position of the rear wheels. The larger the weight proportion of the user resting on the rear wheels the easier it is to propel. The larger the weight proportion of the user resting on the front wheels the harder it is to propel the wheelchair.

WARNING! Always ensure, that the brake is applied, when the attendant is leaving the wheelchair with the user sitting in it.

WARNING! Always ensure, that the front casters always point forwards, if the wheelchair stands still, to enlarge their contact with the base.

How to ride up and over a threshold:



User facing the threshold:
(**Only to be performed by experienced wheelchair users)**
Drive the wheelchair as close to the threshold as possible. Incline the wheelchair backward balancing on the rear wheels and lift the front turning wheels to the height of the threshold. Push the rear wheels forwards and at the same time lean over transferring the weight to the front of the wheelchair.

Attendant and user facing the threshold :
The attendant inclines the wheelchair backward by using the step pedal, allowing the front casters to come off the base. Drive forward until the rear wheels touch the edge. Use the handles at the back of the wheelchair to lift the rear wheels on the threshold.

Users with their back to the threshold:
(This method will only work with a short threshold and if the legrests do not touch the ground.)
Drive to the threshold backward until the rear wheels touch it. Push the rear wheels backward leaning forwards at the same time.

Attendant and user with their back to the threshold:

Drive to the threshold so that the rear wheels touch the edge. Tilt the wheelchair backward with use of the step pedal allowing the front casters to come off the base as much as it is necessary. Pull the wheelchair backward onto the threshold until the front casters are above the threshold. Then carefully lower the front casters onto the base.

How to ride over and down a threshold:

User facing the thresholds edge:
We advise that this technique only used by experienced wheelchair users.

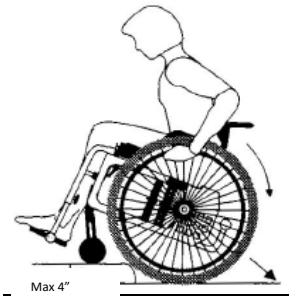
Drive the wheelchair as close as possible to the edge.
Balance the wheelchair on the rear wheels allowing the front turning wheels to come off the base as much as it is necessary. Drive very slowly over the edge carefully lowering the front turning wheels onto the base.

Attendant and user facing the threshold's edge:
Incline the wheelchair backward with use of the step pedal allowing the front casters to come off the base as much as it is necessary. Drive the wheelchair slowly over the edge and carefully lower the front casters onto the floor.

Users with their back to the threshold:
We do not recommend using this technique over a threshold higher than 4".

Drive the wheelchair as close as possible to the edge of the threshold.
Drive onto the threshold very slowly leaning forwards at the same time

WARNING! This operation can be dangerous; it can cause the wheelchair to tip over.



Attendant and user with their back to the threshold's edge:
Drive the wheelchair backward as close as possible to the edge of the threshold. Drive down from the threshold very slowly and pull back the wheelchair on the rear wheels until the front casters are free from the edge. Then lower the front casters onto the base.

Overcoming slopes:

Please follow below instructions when driving on a slope:

- **Avoid direction changes.**
- **Try to drive in a straight line. Do not turn sideways.**
- **Do not hesitate to ask for help to avoid unnecessary risks.**
- **When driving up the slope lean forwards to transfer the center of gravity to the front making the wheelchair more stable.**
- **When riding down the slope lean backward to transfer the center of gravity to the back making the wheelchair more stable.**
- **Control the speed by using the rear wheels' hand-rims, not by using the brakes.**

Climbing up and down the stairs:

WARNING! Always ask other persons for help. The wheelchair must be carried by at least two people who are fit and healthy enough to perform this task.

WARNING! Never ride with the wheelchair on an escalator neither on your own nor with the help of another person.

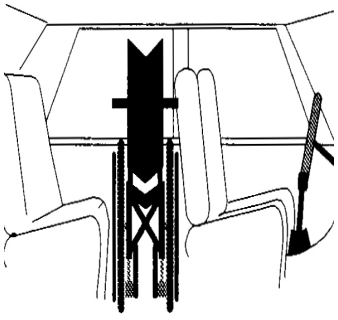
Up the stairs:
Push the wheelchair to the stair touching the first step with the rear wheels. Use the handles to incline the wheelchair backward. The second attendant should grasp the lower front corners of the frame.

WARNING! Never lift the wheelchair by grabbing the legrests.

Carry the wheelchair slowly up the stairs, step by step. After overcoming the last step pull the wheelchair backwards until the front casters can be lowered onto the floor. The attendants should use primarily leg strength to carry the wheelchair to avoid excessive bending over and back injuries.

Down the stairs:
Carrying the wheelchair down the stairs should be done in the same way as carrying it up as described above.

Vehicle transport recommendations:



The **IKON** wheelchair is easy to transport in a vehicle. It can be folded and disassembled to reduce size and weight. The rear wheels and the legrests can be detached and the chair's cross frame easily folded, as described previously.

WARNING! The wheelchair is not a car seat, do not occupy the chair while in a moving vehicle. The chair should be folded and safely secured within the vehicle.

7. Cleaning

Frame
The frame should be wiped clean with soap and water. After cleaning the wheelchair should be wiped with a dry rag.

Do not allow the chair to air dry. Leaving the chair to air dry and not ensuring the entire chair is completely dry may cause the frame and components to rust. Solvents such as those found in spray lubricants should not be used on IKON wheelchairs as they can damage moving parts.

The frame should be regularly inspected to find damages of the paint which may cause corrosion. In case of any visible frame damages (cracks, painting defects etc.) ask your local dealer for diagnostics and maintenance.

Upholstery
The seat and the backrest are made of a very durable strengthened nylon. The seat upholstery can be easily extracted by removing the screws from the frame tubes. The backrest upholstery can be removed by removing the screws from the backrest tubes. The seat and the backrest upholstery can be cleaned with soap and water.

Normal dirt on the metal and the plastic parts can be removed with standard cleaning agents and sponge or soft rag.

Frequency and method of cleaning the chairs should be determined by facility infection control protocols. If visibly soiled, thoroughly clean the chair immediately as per the cleaning instructions in this manual.

The cleaning instructions in this manual are guidelines only. Results may vary under actual conditions. The information does not relieve the user of proper and safe use of the product and all cleaning agents and consideration for the overall cleaning maintenance of the chair. Cleaning and care instructions must be followed in conjunction with facility infection control protocols.

Warranty or liability claims on chairs will not be accepted if the product has not been cleaned according to the instructions or cared for in proper regard for patient, caregiver and third-party safety and hygiene. The use of certain agents may be harmful to the surface appearance and lifespan of the upholstery.

8. Maintenance & Service

The maintenance of the IKON manual wheelchair will vary with the amount of use and the condition of the resident using the chair.

In regular use, after the initial inspection and functional testing, the chair should be inspected and tested bimonthly. We recommend visually inspecting for signs of wear, damage, lose or missing fasteners, and other safety concerns. Periodic testing of chair functions is also necessary. If a breakage, defect, or operational problem is detected, the chair must be successfully repaired, inspected and tested for function before it is returned to service.

For basic service actions, a set of socket wrenches, adjustable spanner, flat head- and cross screwdriver will be sufficient.

Parts, which should be regularly inspected:

Part name	*Control type*	*Control frequency*
Tires	The condition of tread and tires.	At least once a week
Wheel axles	Remove the hair or accumulated dirt	If necessary
Push Rims	Excessively scratched push rims ought to be exchanged because they can wound the user's hands while riding the wheelchair	If necessary
Brakes	The efficiency of brake operation can be affected by dirt accumulated on tires. Keep the brakes clean wiping them with a damp cloth to remove dirt, and also lubricating the funnel of screws, on which the brake levers turn. Check the horizontal brake position.	Control the correctness of brake operation at least once a week
Frame	Keep the wheelchair clean for better comfort of the user.	At least once a month, depending on usage conditions
Turning wheels	The area between the fork and the front wheel should be kept clean because dirt accumulating there can cause faster wear of caster bearings. To do so, one should disassemble the front caster by disassembling it from the fork, to remove all dirt, and then preserve the metal elements of the wheel (i.e. to apply technical grease).	The maintenance ought to be made once a month or more often depending on usual surface type & conditions
Detachable elements	Check the condition of detachable elements of the wheelchair, if screws are loose, they should be tightened.	In case of intensive exploitation of the wheelchair the inspection should be carried out once a month.

Common problems and solutions
If you notice any irregularities in the wheelchair's functioning, stop use immediately and contact your distributor or supplier. The manufacturer does not guarantee the correct wheelchair operation if non-original parts are used.

Symptoms	*Possible cause*	*What to do?*
The wheelchair seems to tilt to one side	• Seat width, depth and chair height may not fit the user.	• Check displacement of the wheelchair mass
The wheelchair is hard to push	• Dirty tires or worn treads. • Front wheels axles are dirty. • Too large a load applied on the front turning wheels.	• Remove dirt or entangled hair from the front turning wheels axles. • Move the center of gravity (CoG).
The wheelchair is hard to turn	• The front wheels horizontal axles are overtighten • Front wheels axles are dirty. • Dirty tires or worn treads.	• Check front wheel axles and loosen them if necessary. • Remove dirt or entangled hair from the front turning wheels
It is hard to fold and unfold the wheelchair	• The upholstery fitted to tight. • The frame cross hinge is dirty.	• Loosen screws which hold upholstery and retighten them. • Clean up and lubricate the crossbar hinge.
The wheelchair is not stable	• Wheelchair components are not correctly secured or attached.	• Ensure that all screws and nuts are tightened.
Flat tire	• Possible puncture of tube & tire • Tire and tread are worn down.	• Contact your nearest wheelchair dealer to repair or replace broken tubes and tire.

In case of any product failure, we recommend you contact an authorized service. The manufacturer does not guarantee the proper functioning of the device if it has been repaired by unauthorized service and/or not using original spare parts.

WARNING! Unauthorized parts or repairs will cause loss a of warranty.

Authorized services:
For authorized repair, contact the dealer where the product was purchased or contact the manufacturer directly.

Procedure for sending the wheelchair or parts to be serviced:
To repair the wheelchair, one should contact the local dealer or the manufacturer. The wheelchair or parts should be sent in a package protecting it against incidental shipping damages. The best solution is to use the original packaging.

WARNING! The manufacturer does not take responsibility for return shipping damages of the device or components caused by improper packing.

Storage:
Store devise in a dry place where the temperature is above freezing. The chair can be folded to reduce the space needed for storage. Freezing temperatures or humidity may cause damages on tires, fabric, axles, bearings and other elements of the product. To protect tires against deformation during a long period of storage you can place supports under the frame. It is also recommended to cover the chair to protect it from dust and dirt.

9. Warranty

Effective 1/1/2019

From the date of purchase, Travrsa warrants the side frames and cross members located on the base frame, for the Expected Lifetime* of the original purchaser/ user, when purchased from an Authorized Dealer.

*Expected Lifetime of the frame is 7 years.

Travrsa warrants the other product components, except the seat cushion and backrest (which are not warranted), to be free from defects in materials and workmanship for a period of 2 years from the date of purchase, as indicated on the original purchase order. This warranty is non-transferable.

The warranty is subject to the following conditions:
If within such warranty period any such product shall be proven to be defective through examination, inspection and testing as deemed necessary, such product shall be repaired or replaced at Travrsa discretion. This warranty does not include on-site labor.

A serial number, purchase order or invoice number is required for warranty coverage.

The warranty shall not apply to serial numbered items if the serial number has been removed or altered in any way.

Warranty is valid for “new” purchases only. All other items will be warranted at the sole discretion of Travrsa.

Limitations and exclusions:
This warranty does not cover damages that arise from improper handling, cleaning, maintenance, storage or negligent use. The warranty does not cover IKON wheelchairs and chairs used in any way, other than the manner in which it was designed and recommended.

Modifications, incorrect assembly or installation to IKON products or the use of non-IKON products voids the warranty. Installation of parts that require the frame to be altered in any way must be completed by an authorized representative, unauthorized performances will void the warranty.

Travrsa retains the right to make product design and product application changes without notice.

The application and use of IKON products shall remain the responsibility of the purchaser or user. Please reference the operating manuals for safety requirements, inspectional and functional testing, technical information and more.

Warranty does not include on-site labor for the installation of warranty parts or warranty repairs. The owner may return products for warranty replacement or repair by shipping items prepaid and insured to the factory. Warranty completed at the factory includes both materials and labor. The decision to repair or replace parts is at the discretion of Travrsa. All returns to the factory require prior authorization from Travrsa.

Damaged freight:
This warranty does not cover freight damage. It is the responsibility of the product owner upon receive to examine the boxed cartons and products before accepting receipt. Note all damages on the bill of lading and file a claim if necessary. Notify the carrier of any concealed damage within 48 hours of receipt.

Travrsa ensures all products for in-transit damage, failure to notify the carrier of in transit damage voids both the insurance and the warranty. Pictures are required for all damaged freight claims.

Return policy:
By request, products must be returned to the factory via the same freight mode/service as delivered, pre-paid and insured, within 30 days. Failure to do so will result in the owner incurring the cost of the replacement parts. Products must be in new condition – no damage, dirt or alterations.

For any further questions regarding our warranty, please contact: Account Support Toll-Free at 844-287-2877.

10. Technical Data

Technical data will vary according to the frame dimensions and the way the wheelchair is set up (front and rear wheels).

Standard IKON*: 18” seat width, 8” front castor and 24” rear wheel.

Specification	**IKON 40**	
Cross bar	*1 x 1	2 x 1
Seat widths	16", *18"	20", 22"
Seat depths	16"- 22" Adjustable	16"- 22" Adjustable
Seat height	14”, 15”, 16”, 17”, 18", 19” Adjustable	14”, 15”, 16”, 17”, 18", 19” Adjustable
Max user weight	300 lbs.	300 lbs.
Chair length	40"	40"
Chair width	26"	26"
Length (no legrests)	30"	30"
Folded height	34.5"	34.5"
Folded width	13.5"	13.5"
Total weight (Including legrests, armrests and anti-tippers)	34 lbs.	34 lbs.
Front seat height	16"	16"
Backrest height	16.5"	16.5"
Legrests	*Swing Away Elevating	Swing Away Elevating
Legrest range	13.5"- 19" Adjustable	13.5"- 19" Adjustable
Legrest angle (°)	70°	70°
Footrests	Flip Up and Angle Adjustable	Flip Up and Angle Adjustable
Armrests	*Flip Back Adjustable Height Fixed Non-Adjustable	*Flip Back Adjustable Height Fixed Non-Adjustable
Armrest height range	9"- 11" Adjustable	9"- 11" Adjustable
Rear wheel	*22", 24” Spoke 22”, 24” Composite Mag	*22", 24” Spoke 22”, 24” Composite Mag
Front wheel	5”, 6”, *7", 8” Castors	5”, 6”, *7", 8” Castors

11 Wheelchair Set-Up and Operation

11.1 IKON Mobility System

The **IKON 40** has a seat depth adjustable frame with multiple wheels, axle and front caster set up options for use by active self-propelling drivers to rehabilitation purposes, where a high degree of control, support and stability is required.

Frame settings
The frame design allows a wide adjustment range of seat angle, height and depth, as well as different degrees of stability by adjusting the wheelchair's Center of Gravity (CoG) relative to the rear wheel axle position.

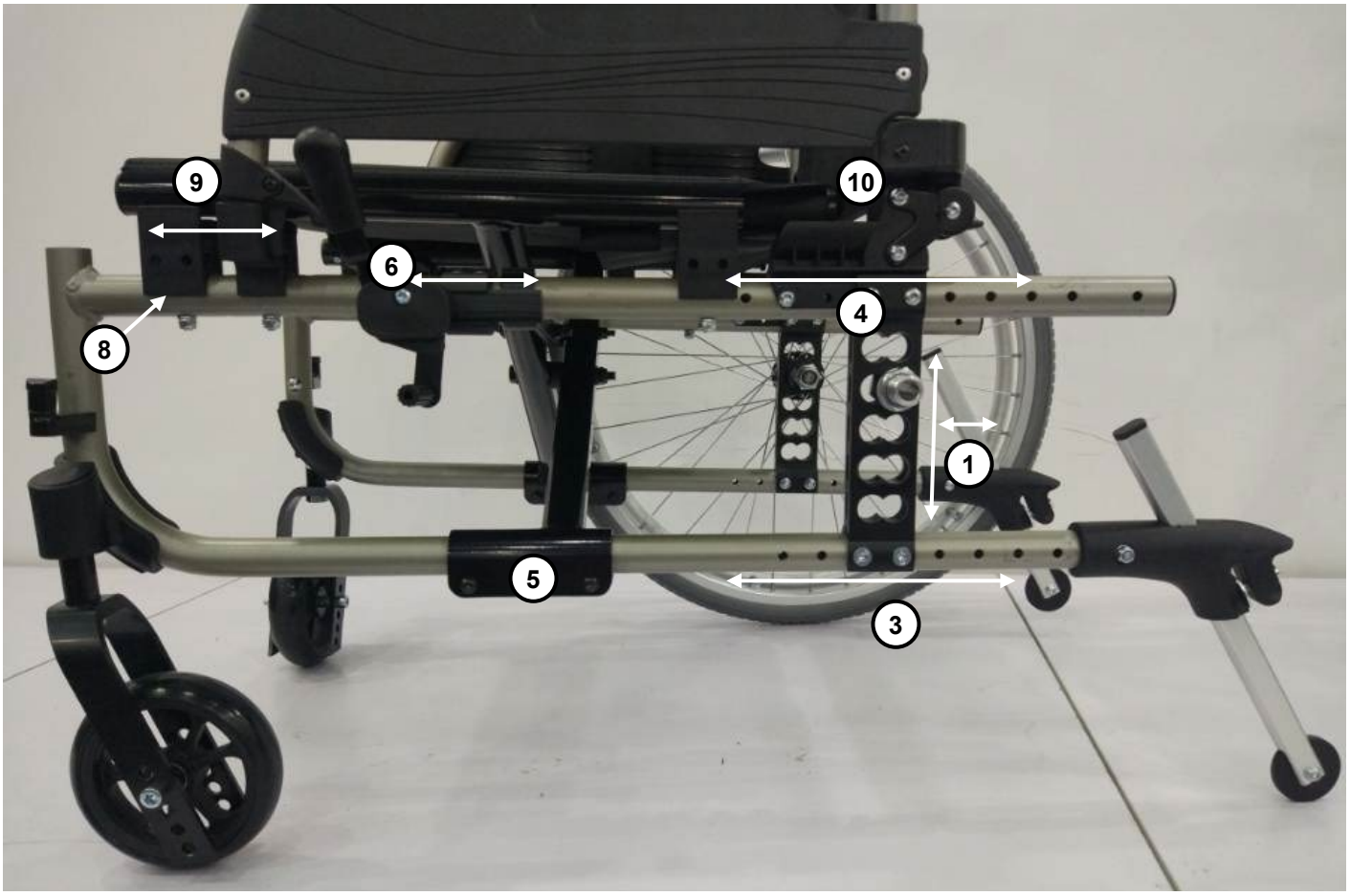
- Moving the axle position closer to the CoG makes the chair easier to tip and more "responsive" for the active wheelchair drivers.

- Moving the axle position further away from the CoG makes the chairs less likely to tip and suitable for users who need more stability and safety.

To accommodate taller and shorter users, the seat depth can be changed by adjusting the seat tubes and the upholstery.

The frame design allows for extensive adjustments of the seat angle, the seat height and the seat depth. You can change:

- the angle and/or the height of the seat by changing to another diameter front caster and/or rear wheel.
- the angle of the seat by changing the position of the rear wheels.
- The angle of the front fork axle to adjust it perpendicular to the floor.
- The seat depth by horizontal adjustment of the rear wheel axle position; this allows influencing the stability and maneuverability of the chair.



WARNING! All below adjustments should only be made by qualified service person and/or advised by a physical therapist qualified in wheelchair setup.

Adjustment of rear wheel height

- Detach the rear wheel using the quick release button.
- Unscrew the wheel bushing **(1)** from the black assembly plate and insert it into one of the other holes.
- Tighten the bushing on the plate maintaining the correct order of washers and nuts
- Repeat all above for the other wheel.

Horizontal adjustment of the rear wheels

For users who need increased stability, e.g. after lower extremity amputation, the axle plate is moved rearwards relative to the seat frame. It is recommended to use anti-tip supports to protect the wheelchair against tipping over. Note also that a longer wheelbase makes maneuvering with the chair more difficult.

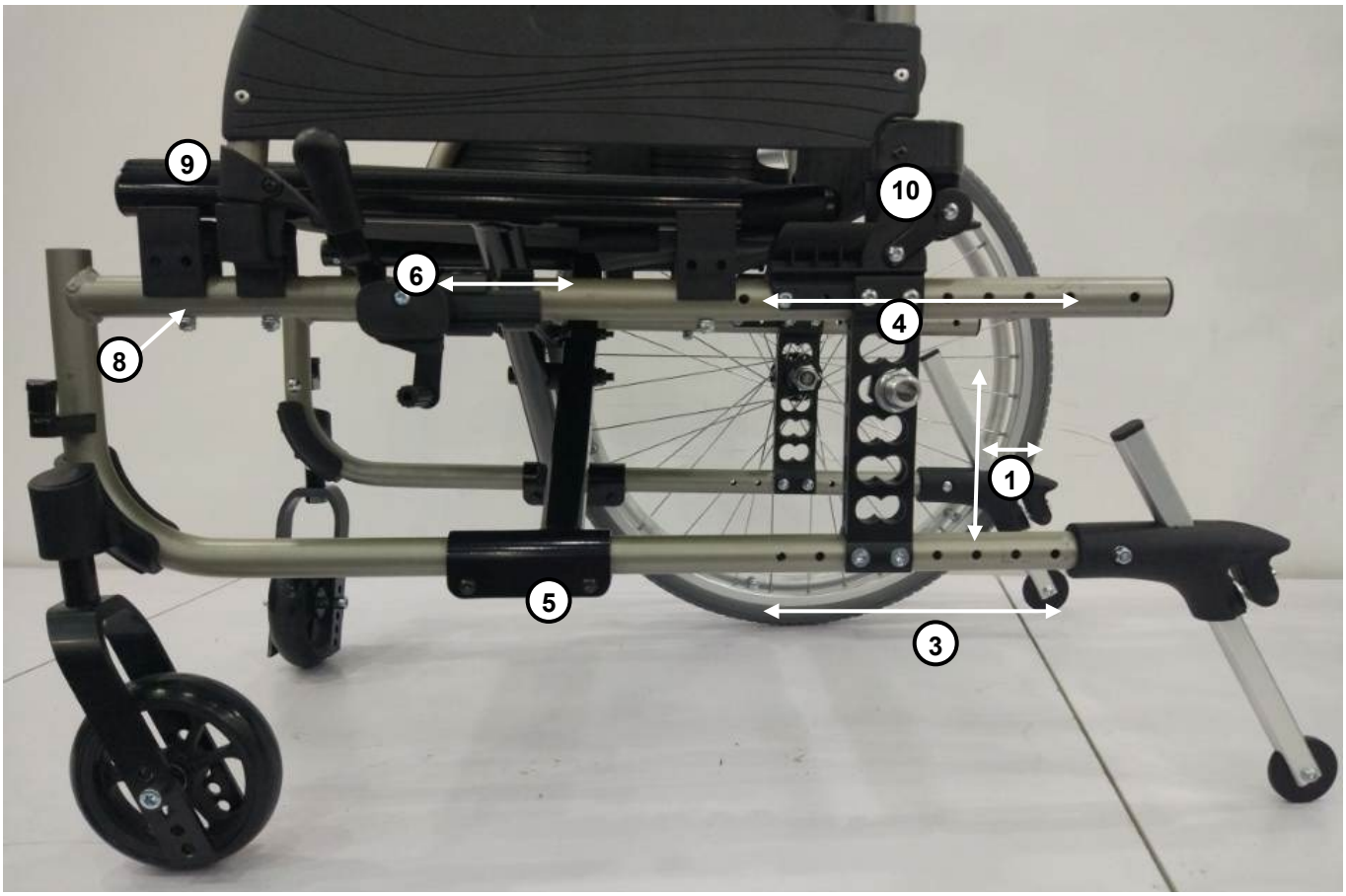
To increase the maneuverability and responsiveness, the axle plates can be moved to the front position. It is easier to maneuver with a wheelchair when the rear wheels are in a front position, but the rearwards stability is much lower. If the wheels are adjusted to the front position, the wheelchair should always be equipped with activated anti-tip supports to protect it against tipping over. Persons with amputated leg(s) should never use the chair with wheels set in a front position as the risk of tipping over is too high.

The position of the wheel assembly plate can be changed to six other positions relative to the back cane assembly **(10)**

- Unscrew bolts **(3)** & **(4)** which hold the wheel assembly plate to the frame tubes.
- Move the wheel assembly plate to the required position (forward or rearward), then reinsert and tighten the bolts.
- Repeat all above for the other side of the frame.

WARNING! If the position of the rear wheels is changed, it is necessary to adjust the brake's position accordingly.

WARNING! Settings on both sides of the frame should be identical.
The seat depth is determined as the distance from the lumbar spine to the knee crease, less an adequate amount of space to give clearance for clothing and free space so as not to impede blood circulation at the back of the knee.



WARNING! All below adjustments should only be made by a service person and/or advised by a clinician qualified in wheelchair maintenance and setup.

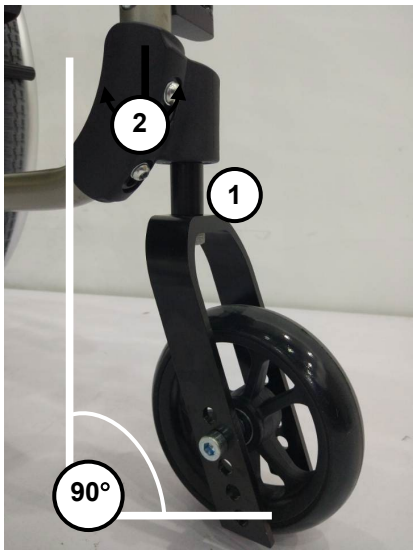
Adjustment of seat depth
This is done by moving the rear back cane assembly **(10)** over the top rail of the side frame. **PLEASE NOTE**: the rear axle assembly **(4)** needs to be repositioned to ensure functional stability for the user.

If the crossbar **(5)** is to be moved back after moving of the back-cane assembly (**10),** please ensure the front of the seat tubes are supported on the side frame by moving the front seat tube support **(9)** rearward on the side frame ends. To make the adjustments:

- Loosen bolts **(5)** & **(6)** which attach the cross to the frame.
- Slide the crossbar with seat tubes to the required position.
- Reinsert and tighten all bolts to secure the cross and armrest bracket in the new position.
- Repeat all above for the other side of the frame.

Along with the crossbar, the seat tubes have been moved during that adjustment. Ensure that the seat tube supports are in proper position supporting the tube ends so that all the four corners of the seat are stable:

- Loosen the bolt **(8)**.
- Move the support **(9)** into the position to provide stable support for the front end of the seat,
- Then tighten the bolt **(8)**.
- Loosen the three bolts which attach the seat and backrest support **(10)** to the frame.
- Move the support **(10)** into the position it provides support for the rear end of the seat. Then tighten the three bolts.
- Repeat all above for the other side of the frame.



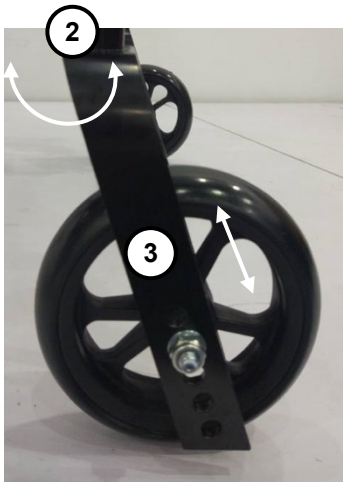
Adjustments of front caster assembly:

When the position or the size of the rear or front wheels is modified, it may be necessary to adjust the angle of the caster to avoid “wheel flutter” and provide a smooth, straight ride.

The bearing house with the axle **(1)** should always be positioned at a 90° angle to the floor. After changing the wheel set-up, adjustment of that angle is necessary.

To adjust the angle of the front fork:

- Loosen the two bolts **(2).** Slide the front fork assembly up or down until the vertical axle of the bearing house (1) is at a 90° angle with the floor
- Re-tighten the bolts.



To modify the seat height, you can assemble the front wheels in various positions **(3).** (In this picture a front fork with five different positions is used.) The various holes also allow assembling front wheels with different diameters.

WARNING! All the above adjustments can only be done by a qualified service provider or advised by a clinician.

WARNING! Settings on both sides of the frame should be identical!

WARNING! Every modification of the seat position has a direct influence on the balance and maneuverability of the wheelchair. Apart from the seat position adjustment, it might be necessary to re-adjust the wheel position to keep it safe and maneuverable.

11.2 General

11.2.1 Wheels

Rear wheels
Depending on the order specification your wheelchair may be equipped with rear wheels that have a 24” diameter. The wheels are puncture proof PU tires. 24” wheels with push rims are the standard to self-propel the IKON wheelchair.

Quick-release axle
Rear wheels are equipped with quick-release axles that allow fast assembly or disassembly of the rear wheels.

<u>To detach the wheel from the frame:</u>

- Press and hold the release button **(1)** and pull the wheel out of the bushing.

<u>To re-attach the wheel:</u>

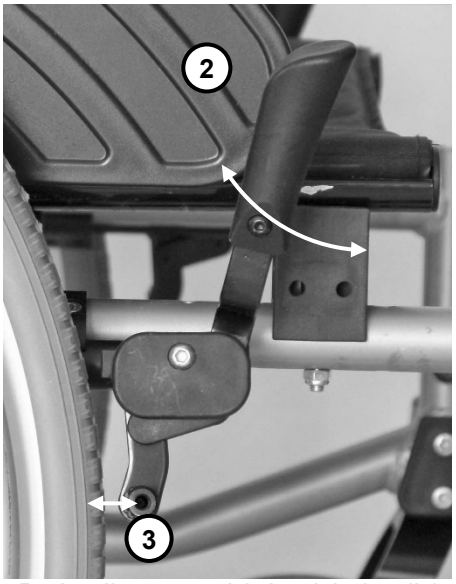
- Place the axle’s tip in the bushing **(2)**, press and hold the release button **(1)**, push the axle all the way into the bushing and release the button.
- Try to pull the wheel out of the bushing to check if it is safely locked in position.

- Tires marked with size of tire

11.2.2 Brakes

Wheel Brakes

Brake engaged (wheelchair doesn't roll)



Brake disengaged (wheelchair rolls)

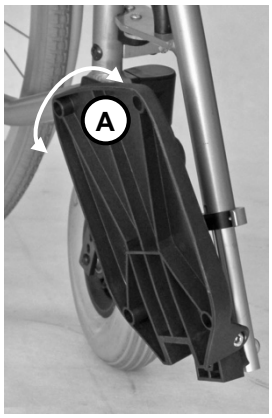
- To engage the brake, push the brake lever forward **(1)**. Now the wheels are locked.
- To disengage the brake, pull the brake lever backward **(2)**. Now the wheels are able to roll.
- Always engage the brakes if the wheelchair remains in a stationary position.
- Always disengage the brakes before riding the wheelchair.

WARNING! Always engage both brakes when getting in or out of the wheelchair.

WARNING! Wheel brakes are not designed to slow down the moving wheelchair but they are only designed for parking.

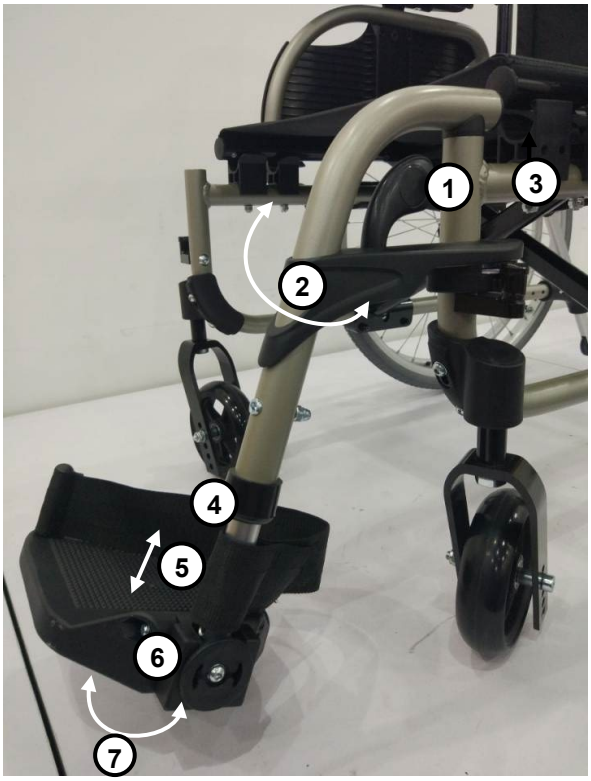
11.2.3 Legrests – Standard and Elevating (optional)

Standard Legrests (Drop-in)
Aluminum with clamp fixation for length adjustment and angle adjustable footplate.



- The legrests can easily be rotated outwards and detached. They may also be rotated inwards under the seat to allow free leg room around the chair.
- The legrests are height adjustable. If the wheelchair is used outdoors the minimum distance between footplates and ground should be 1.5-2”.
- To facilitate an easy transfer into or from the IKON wheelchair, the footplates can be easily flipped up **(A).**

WARNING! Do not stand on the legrests as this may cause the wheelchair to tip over.



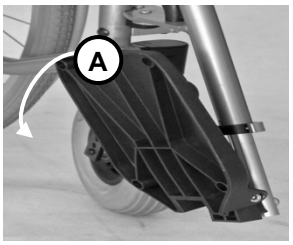
<u>To swing away or detach the legrest:</u>
- Press the locking lever **(1).**
- Swing the legrest **(2)** outside to approximately 45°.
- Then pull it up to detach from wheelchair’s frame **(3)**.

<u>To attach the legrest:</u>
- Hold it to one side, approx. 45° to a frame.
- Insert the legrest’s tip into the hole on the frame **(3).**
- When the legrest hangs on the frame swing it to the front **(2)**. The legrest should lock itself automatically.
- Ensure that right and left legrests are assembled to the correct side of the frame.

<u>To adjust the length of the legrest:</u>
- Unlock the locking lever **(4)**.
- Set the legrest length by sliding the lower tube **(5)** up or down.
- Lock the locking lever again.

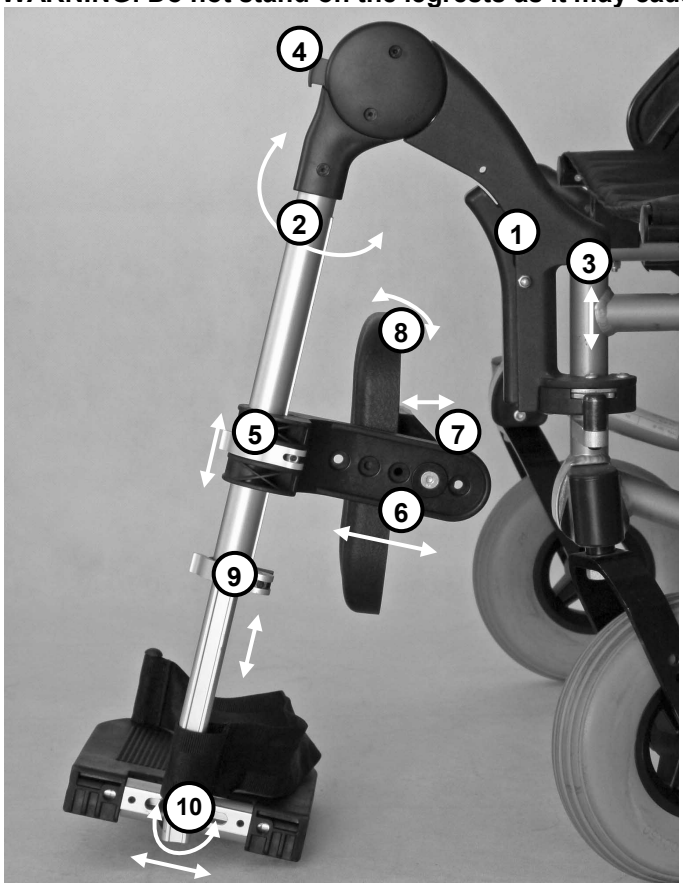
<u>To adjust the footplate angle:</u>
- Loosen the bolt **(6)**.
- Adjust the footplate angle **(7)**.
- Tighten the bolt.

Elevating Legrests – ELR (Drop-in)



- These legrests have a wide range of adjustments. They can easily be swung sideways and detached.
- The legrests are height adjustable. If the wheelchair is used outdoors the minimum distance between footplates and ground should be 1.5-2”
- To facilitate an easy transfer into or from the wheelchair, the footplates can be easily flipped up **(A).**

WARNING! Do not stand on the legrests as it may cause the wheelchair to tip over.



<u>To swing away or detach the legrest:</u>
- Press the locking lever **(1).**
- Swing the legrest outward (**2)** to approx. 45°.
- Then pull up to detach it from wheelchair’s frame **(3)**.

<u>To attach the legrest:</u>
- Hold it set to the outside, approx. 45° to the frame.
- Insert the legrest’s tip into the hole of the frame **(3).**
- When the legrest hangs on the frame swing it to the front **(2)**. The legrest should lock itself automatically.
- Ensure that right and left legrests are assembled to the correct side of the frame.

<u>To adjust the legrest angle:</u>
- Press the red button **(4)** if aluminium ELR or silver side button on steel ELR.
- While holding it pressed, lift or lower the legrest with your other hand to find the right angle.
- Release the button.

<u>To adjust the height of the calf support</u>:
- Release the locking lever **(5)**.
- Adjust the height of the support.
- Lock the locking lever.

<u>To adjust the depth of the calf support</u>:
- Loosen and take away the bolt **(6)**.
- Put the calf support into one of the five setting holes.
- Put back in and tighten the bolt.

<u>To facilitate an easy transfer into or from the wheelchair:</u>
- Swing the calf support rearwards by pressing the red lever **(7)**.
- To move the calf support back into position simply push it forward until it locks itself automatically.

<u>To adjust the angle of the calf support</u>:
- Simply twist it forward or backward **(8)**.

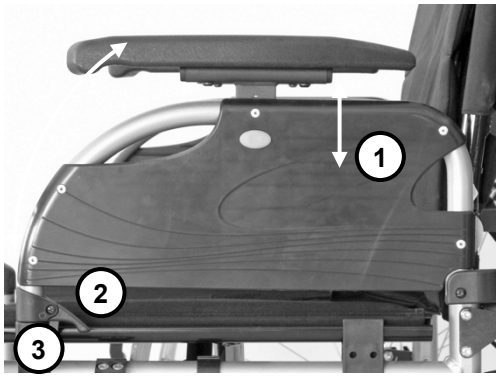
<u>To adjust the length of the legrest:</u>
- Unlock the locking lever **(9)**.
- Set the legrest length by sliding the lower tube up or down.
- Lock the locking lever.

WARNING! If the wheelchair is used outdoors the minimum distance between footplates and ground should be 1.5-2”.

<u>To adjust the footplate angle or depth:</u>
- Loosen the bolt **(10)**.
- Adjust the footplate position

11.2.4 Armrests

Armrests (swing back – standard grip)



The armrests are height adjustable. They can also be flipped up and swung back to make an easier transfer in and out of the wheelchair. They are also detachable.

<u>To change the armrest's height:</u>

- Press and hold the oval button **(1)** located on the side panel.
- Use your other hand to set the required height of the armrest pad. Then release the button.

<u>To flip the armrest up to swing it back:</u>

- Pull the locking lever **(2)** and lift the armrest. Now you can also detach it from the wheelchair.

<u>To close the armrest:</u>

- Lower it down, until the front tip slides back into the bracket **(3).** It will lock itself automatically.

WARNING! Never use the armrests as grabbing points to lift and to carry the wheelchair.

12. Accessories & Replacement Parts

12.1 Anti-tippers- part #430900105

Anti-tipping device (slide up) – left side mounted (viewed from the rear)

This additional equipment improves the wheelchair's rear stability thus the user's safety. This option is strongly suggested to be added for patient safety for all users.

WARNING! Assembly of an anti-tipping device should be conducted by specialized service or an experienced therapist only.

The anti-tipping device is active when the small wheels are located low, above the ground. If elevated high above the floor, it is inactive.

To activate or deactivate the anti-tipping device pull out the locking pin **(1)** and hold it.

Use your other hand to slide the anti-tip in the required direction (up/down).

Then release the locking pin to lock the anti-tip in the selected position.

12.2 Rear Mag Wheels

24” Rear Mag Wheel- part #430107302
22” Rear Mag Wheel- part #430107203

Please refer to section 11.2.1 for instructions on installation

#430107302

#43017203

12.3 Fastener Kit

Assembly fastener kit- part #430900111
This kit includes all necessary fasteners to assemble the IKON Wheelchais (instructions for each fastener included with kit)