

R82<sup>®</sup> 

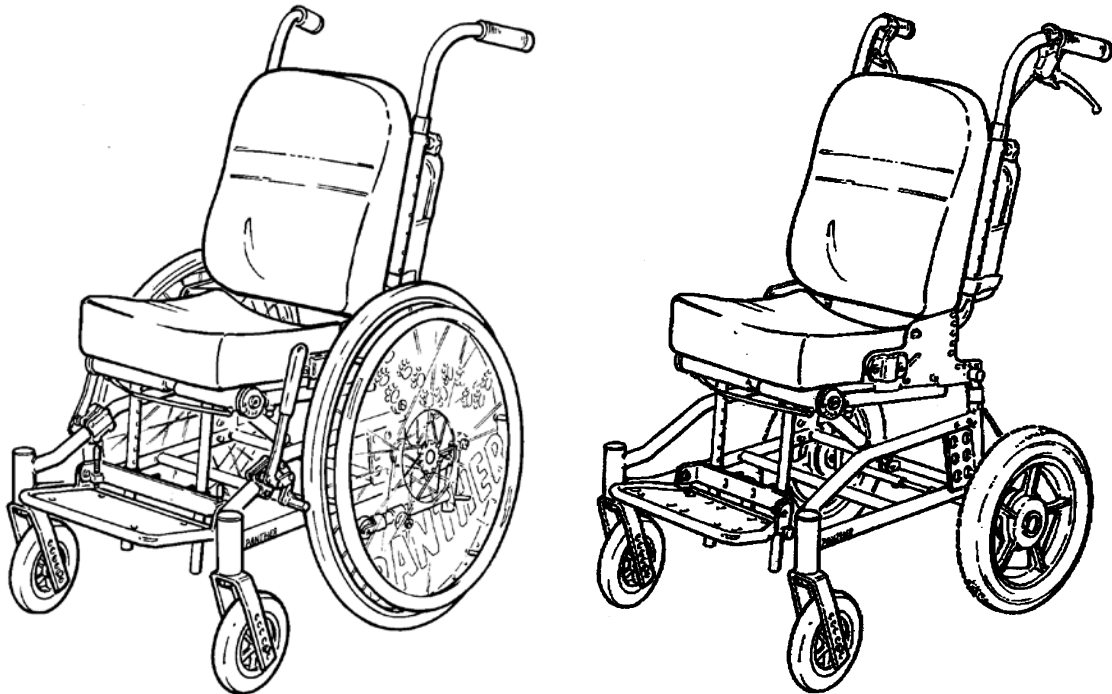
panther<sup>™</sup>

**English user manual**

G  
B

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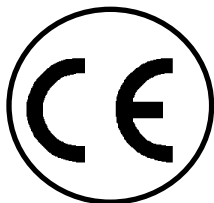


## **GB** PANTHER

The Panther is yet another result of R82's years of experience in the development of aids and appliances for disabled children. With its many adjustment possibilities and wide range of accessories, the Panther will provide your child with exceptional postural support and comfort.

The Panther is for both in- and outdoor use and it is available in four sizes and suitable for children age 2 - 14 years, who suffers from paralysis, hypsarrhythmia etc.


This manual will enable you to take full advantage of the many possibilities of the Panther.





## **GB** SAFETY


The Panther has earned the CE-mark. This certifies that it meets all relevant European safety requirements. Further the Panther is approved according to ISO 7176/19-2001, EN 12812 and EN12183.


The durability of this product is 5 years when it is used on a daily basis. Hereafter the product must be renovated (by R82 personnel) to extend the lifetime.

 Remove the CE-mark, when rebuilding the product or when using other than original R82 spare parts and fittings.

 The chair is constructed for one user only. Do not place more than one user in the chair.

 Never leave your child unattended in this product. Ensure constant supervision by an adult. Incorrect use of the product, may cause serious injury to the user. Ensure that the belt is securely fixed to the product before every use.

 Instruct users to employ the anti-tip system whenever they are self propelling.

 The latest version of the manual is always available online: [www.R82.com](http://www.R82.com)


## **GB** TOOLS

A tool bag of tools is attached to the cross bar behind the seat. It contains: Allen keys: 4, 5 and 6 mm, and 2 wrenches: 10 and 13 mm. These tools are used to perform some of the adjustments described in this manual.

## **GB** MAINTENANCE

The Panther cover is removable and can be washed at 40°. It is important also to keep the frame clean to maintain the validity of the chair.

- |                   |  |
|-------------------|--|
| Tyres:            | Check the tyres regularly for air.<br><u>Air pressure: 110 PSI, 250 kPa</u>                          |
| Expanding brakes: | If expanding brakes are mounted, the wires have to be tight, to make the brakes work properly.       |
| Spokes:           | Regularly the spokes have to be adjusted by an expert. For instance by your local bicycle repairman. |
| Gasspring:        | Functions without any maintenance.   |

 - Do not expose the gasspring to pressure, high temperatures or perforation.  
- Oil the swing away parts occasionally.

## **GB** WARRANTY

R82 offers a 2-year warranty against defects in workmanship and materials and a 5-year warranty on breakage of the metal frame caused by defects in welds. The warranty would be adversely affected if the customer's responsibility of servicing and/or daily maintenance is not carried out according to the guidelines and intervals prescribed by the supplier and/or stated in the manual. For further information, we refer to the R82 homepage/download. The warranty can only be sustained if the R82 product is in use in the same country where it was purchased and if the product can be identified by the serial number. The warranty does not cover accidental damage, including damage caused by misuse or neglect. The warranty does not extend to non-durable parts, which are subject to normal wear and tear and need periodic replacement. The warranty is null and void if non-original R82 parts/accessories are used, or if the product is repaired or altered by anyone other than an authorised R82 representative or by trained personnel officially recognised by R82 for repair and maintenance of R82 products. R82 reserves the right to inspect the product being claimed for and the relevant documentation before agreeing to the warranty claim, and to decide upon whether to replace or repair the defective product. It is the customer's responsibility to return the item being claimed for under warranty to the address of purchase. The warranty is given by R82 or, subsequently, an R82 dealer.

## **GB** IN AND OUT OF THE CHAIR

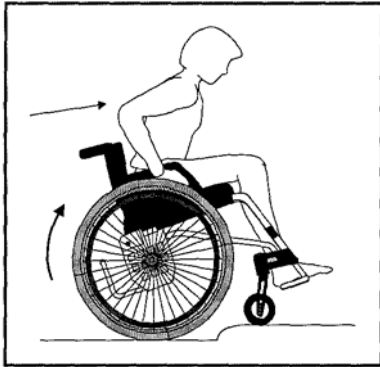
Instructions about getting in and out of the wheelchair is delivered by the R82 A/S therapists, when the Panther is purchased.

Before placing the child into the Panther, the brake has to be pulled and the footplate must be angled backwards under the seat.

Place the child into the Panther and adjust the footplate and the other accessories to achieve the optimal seating for the child.

## **GB** ROADABILITY 1/4

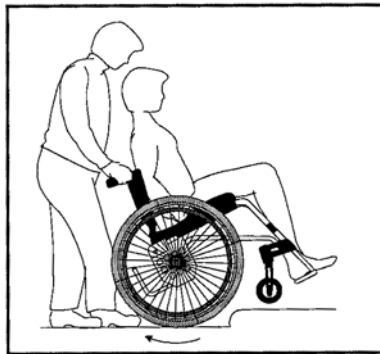
### Driving UP kerbs (max. 10 cm)



#### **Forwards**

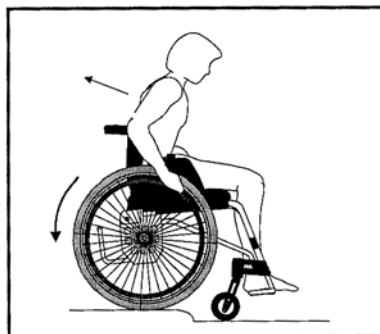
This technique is recommended for the experienced users.

- \* Make sure the anti-tip device is deactivated
- \* Drive forward towards the kerb
- \* Balance on the rear wheels and lift the front wheels from the ground. Bend forward and pull hard on the hand rims.



#### **Forwards, with assistance**

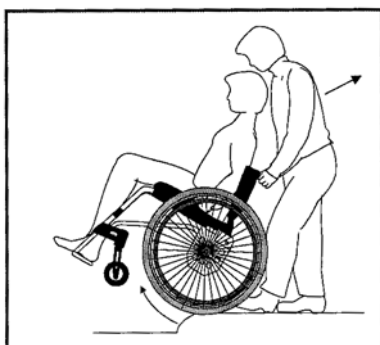
- \* Make sure the anti-tip device is deactivated
- \* Drive forward towards the kerb
- \* Tilt the chair backwards to lift the front wheels above the kerb.
- \* Lift on the handles to drive the rear wheels above the kerb.



#### **Backwards**

This technique is only to be used at low edges and is depended on the height of the footplate.

- \* Make sure the anti-tip device is deactivated
- \* Drive backwards towards the kerb
- \* Bend forward and pull hard on the hand rims.



#### **Backwards, with assistance**

- \* Make sure the anti-tip device is deactivated
- \* Drive backwards towards the kerb.
- \* Tilt the chair backwards to lift the front wheels.
- \* Lift on the handles to pull the chair up. Pull the chair away from the kerb and put down the front wheels.

## **GB** ROADABILITY 2/4

### Driving DOWN kerbs (max. 10 cm)

#### **Forwards**

This technique is recommended for the experienced users.

- \* Make sure the anti-tip device is deactivated
- \* Drive forward towards the kerb
- \* Pull hard on the hand rims and drive forward. All wheels will touch the ground at the same time.


#### **Forwards, with assistance**

- \* Make sure the anti-tip device is deactivated
- \* Drive forward towards the kerb.
- \* Tilt the chair backwards to lift the front wheels.
- \* Drive carefully down the kerb and put down the front wheels.

#### **Backwards**

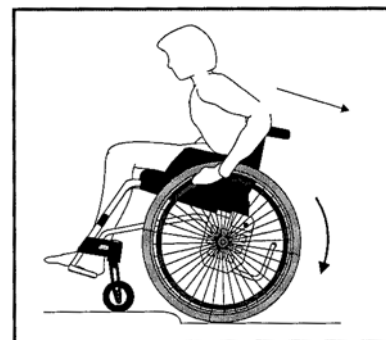
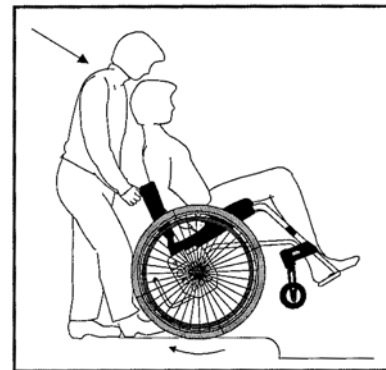
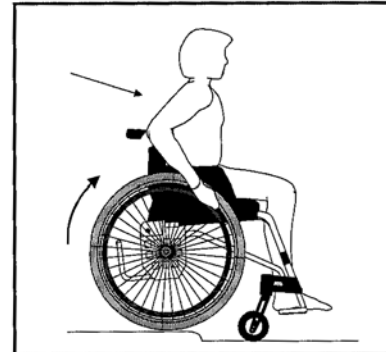
This technique must never be used if the height difference is more than 10 cm and only by experienced users.

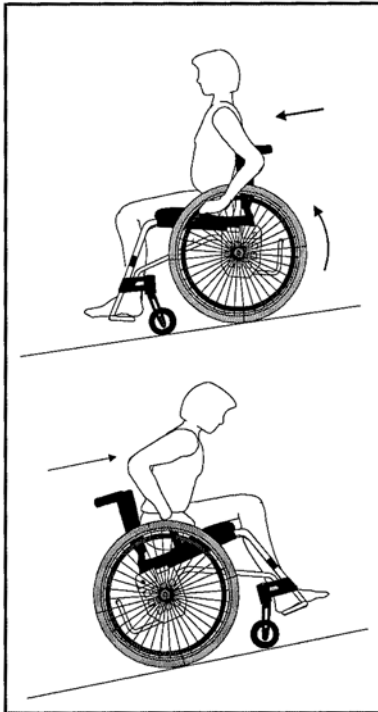
- \* Make sure the anti-tip device is deactivated
- \* Drive backwards towards the kerb
- \* Bend forward and drive carefully down the kerb.

 High tilting risk at this technique

#### **Backwards, with assistance**

- \* Make sure the anti-tip device is deactivated
- \* Drive backwards towards the kerb.
- \* Drive carefully down the kerb and pull the chair away from the kerb.
- \* Put down the front wheels.





## **GB** ROADABILITY 3/4

### **Driving DOWN/UP a hill**


Follow the below to avoid tilting when driving down/up a hill.


#### **Driving down:**


Sit upright in the chair. Correct the speed with the hand rims and not with the brakes.

#### **Driving up:**

Bend forward to correct the point of gravity.

 Avoid to turn around in the middle of the hill.



 Always sit as upright as possible

 Better to ask for help than to take a risk on your own.



## **GB** ROADABILITY 4/4

### Driving UP stairs



-  Always ask for help.
-  Never enter an escalator even with help from others.

Backwards, with assistance:

- \* Make sure the anti-tip device is deactivated and the handles is tightned securely.
- \* Drive backwards toward the first step.
- \* Tilt the chair and pull up the chair one step at a time. Make sure to keep balance on the rear wheels.
- \* Pull the chair away from the last step an put down the front wheels.




### Driving DOWN stairs


-  Always ask for help.
-  Never enter an escalator even with help from others.

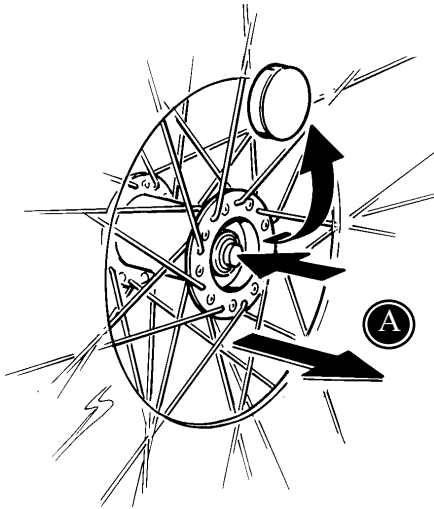
Forward, with asistance:

- \* Make sure the anti-tip device is deactivated
- \* Drive towards the first step and tilt the chair.
- \* Drive down one step at a time. Make sure to keep balance on the rear wheels.
- \* Put down the front wheels after the last step.



-  If two helpers are present, one can assist by lifting at the front.

-  The helpers need to make sure to lift the correct way - with the strength from the legs and not from the back.

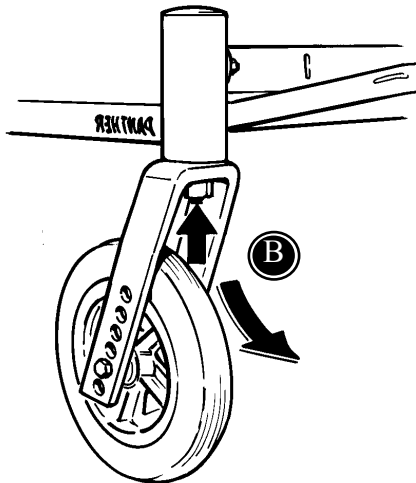


## **GB** QUICK RELEASE (QR)

Panther is supplied with removable Quick Release driving wheels (A): Remove the hub shell. Then push and hold the release button. Pull the wheel.

If your Panther has QR front wheels, they are removed in the following way: Push the release button as shown. Pull front fork and wheel down (B).


If you want seat and frame to take up as little space as possible, t.ex. during transportation, tip up the foot support and fold the seat back right forward.

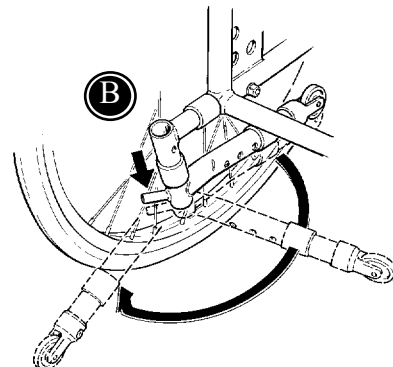
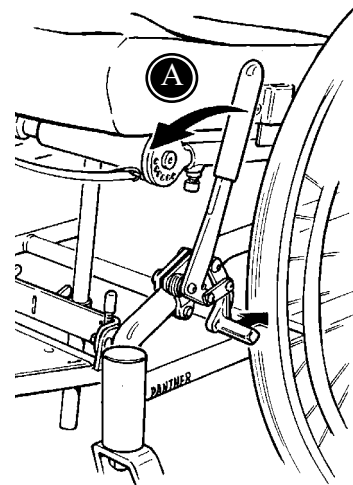


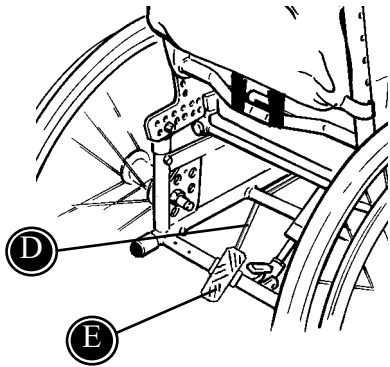
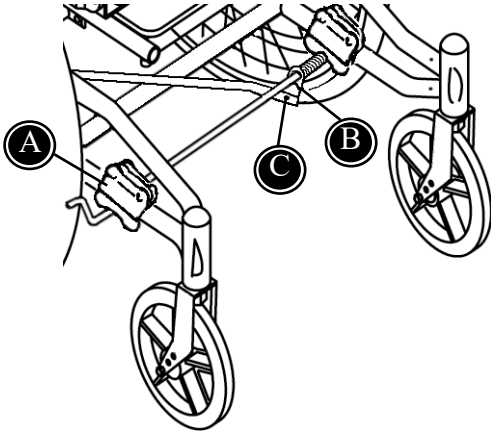
## **GB** BRAKES & ANTI-TIP DEVICE

The brakes are simple to use: Push the handle (A) forward and the brake is activated.

To activate the anti-tip device: Push down as shown (B) and turn 180°.

 The anti-tip device always has to be activated, when the wheelchair is tilted. However is the Panther is moved the anti-tip device has to be deactivated, as it could be bumping against something.





## **GB** CENTRAL BRAKE

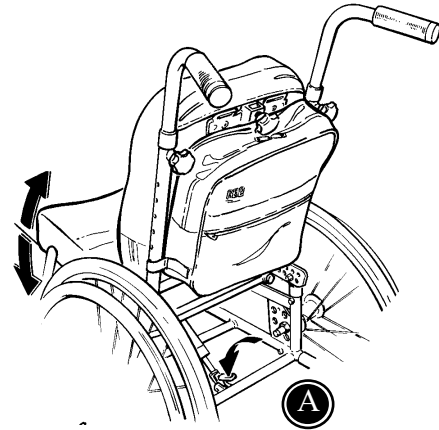
To mount the central brake on the Panther frame, the instruction below must be followed:

- \* Mount the fitting with the bar for the brake, on the front of the frame (A) with the 4 enclosed Allen screws.
- \* Make sure that the spring (B) is mounted around the fitting. Turn around the bar for the brake, several times, to fasten the spring.
- \* Mount the bar for the pedal with the enclosed screw (C).
- \* Pull the bar (D) for the pedal up against the crossbar on the frame. Place the pedal (E) on the frame and mark the two holes. See to that the bar for the pedal is vertical.
- \* Remove the pedal from the frame and drill two holes  $\varnothing 6,5$  in the frame. The holes must be all through the bar.
- \* Mount the pedal on the frame and then, the bar for the pedal with the enclosed screws.
- \* Adjust the fittings (A) to tighten the brake.

## **GB** SEAT & BACK REST ANGLING

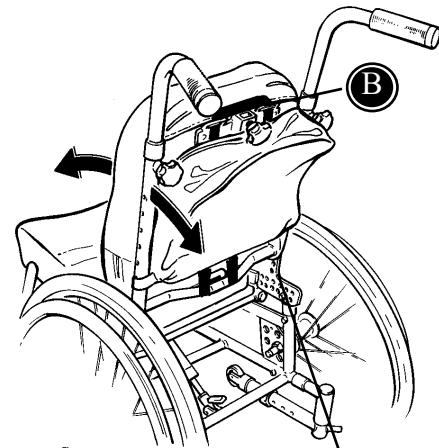
### To tilt the seat:

Press down the pedal (A) under the seat, releasing the gas spring. Adjust by grasping the handles. The angle between the back and seat remains the same.

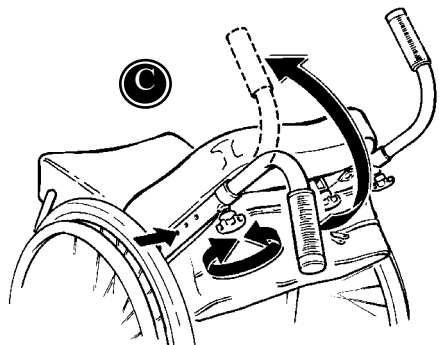
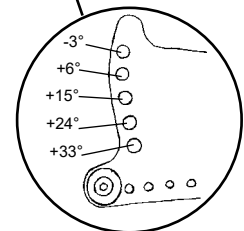


### To angle the Back Rest:

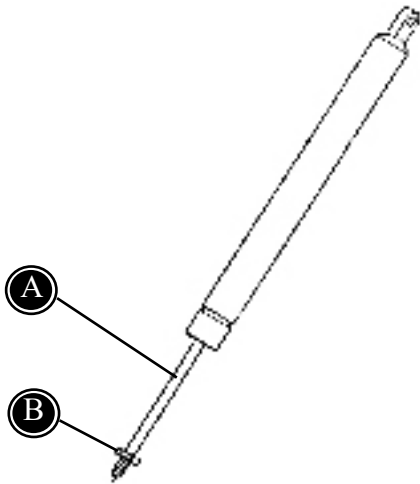
Pull the wire (B) behind the back rest below while holding and adjusting the back rest with the other hand.



When the back rest is reclined, the handles can be turned for easier pushing. Loosen the screws (C), push the knobs on the sides, and turn the handles 180° until the knobs pop out again. Tighten the screws.



**G  
B**



## **GB** GASSPRING ADJUSTMENT

The Panther is equipped with a gasspring to regulate the angle. After a period the gasspring might need to be adjusted. The adjustment is only necessary when:

- the gasspring releases itself
- the gasspring can not be released at all

If the gasspring **releases itself**; loosen the nut **(B)** with a 17 mm wrench. Then turn the piston rod **(A)** **counter clockwise** to tighten. Fasten the nut **(B)** again.

If the gasspring can **not be released at all**; loosen the nut **(B)** with a 17 mm wrench. Then turn the piston rod **(A)** **clockwise** to loosen. Fasten the nut **(B)** again.

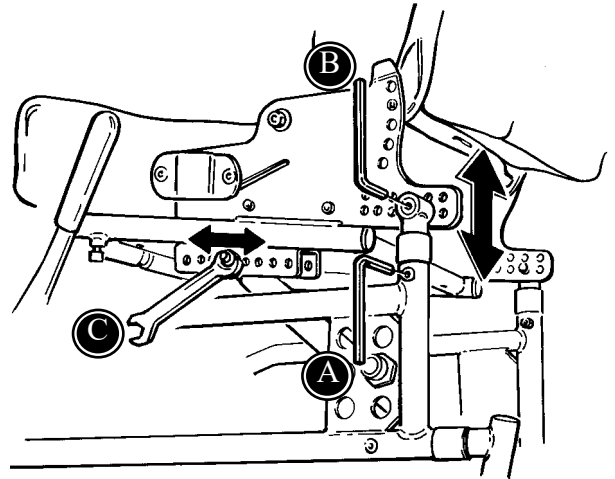
## **GB** SEAT PLACEMENT

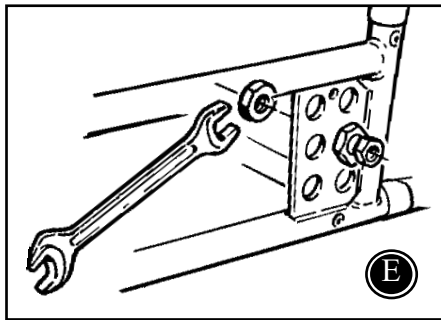
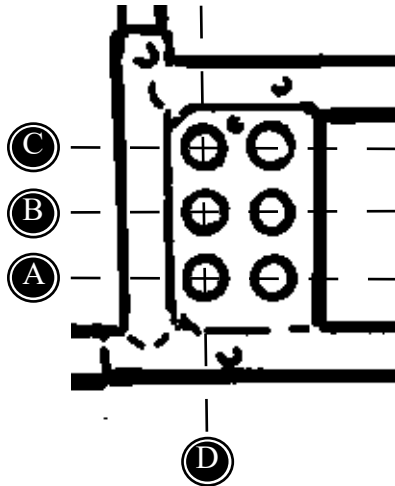
The placement of the seat on the frame can be changed. You have the possibility to change:

- seatheight
- seat angling interval
- seat placement forth and back

The adjustment possibilities are illustrated on the above drawing.

(A) is for adjustment of the seatheight. (B) is for both adjustment of the seatheight and adjustment of the seat forth and back. (C) is placement of the gasspring in the fitting under the seat. The placement determines the seat angling interval. The further back you place the gasspring, the further back you can tilt the seat.





## GB REAR WHEEL POSITIONS

Above we have described the positions of rear wheels we recommend. If a different seat height is required, adjust the height according to the description, page 11.

To obtain the best stability, use the holes in the back row (D).

**!** Remember to extend the anti-tipping bar at seatheight 48 cm.

**!** Retighten the nut (E) with 28 Nm after changing the placement of the rear wheels.


GB


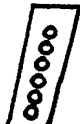
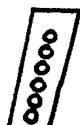
	20"	22"	24"
Ⓒ	-	-	46 cm (std)
Ⓑ	-	46 cm (std)	48 cm
Ⓐ	46 cm (std)	48 cm	-


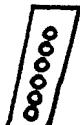
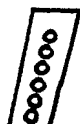


## **GB** CHOISE OF FRONT FORK AT DIFFERENT SEAT HEIGHTS

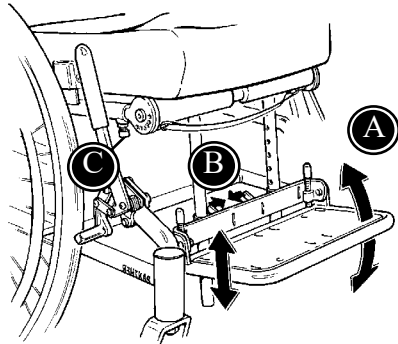
The above table shows the standard positions of front fork, depending on the position of the rear wheels (see page 11 and 12).

 We recommend to use the standard positions to avoid influencing the stability of the Panther negatively.

SH:46 cm (std)		
 3. 2. 1.	pos 1	140 x 40 mm / 5,5"
	pos 1	150 x 30 cmm / 6"
	pos 2	180 x 30 mm / 7"
 6. 5. 4. 3. 2. 1.	pos 1	-
	pos 3	150 x 30 mm / 6" (QR)
 6. 5. 4. 3. 2. 1.	pos 1	-
	pos 2	175 x 40 mm (QR)
	pos 2	180 x 45 mm (QR)
	pos 3	140 x 40 mm / 5,5" (QR)

SH:48 cm (std)		
 3. 2. 1.	pos 1	-
	pos 1	-
	pos 2	-
 6. 5. 4. 3. 2. 1.	pos 1	150 x 30 mm (6" (QR)
	pos 3	-
 6. 5. 4. 3. 2. 1.	pos 1	140 x 40 mm / 5,5 (QR)
	pos 2	-
	pos 2	-
	pos 3	-

**GB**



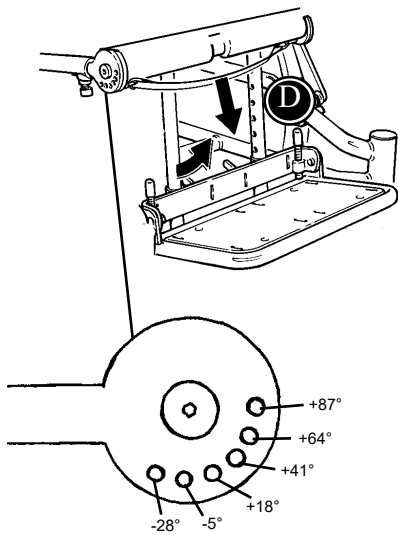
## **GB** FOOT SUPPORTS

Turn the screws in the corners of the plate (A) to angle adjust the foot plate. Squeeze the levers behind the plate (B) to height adjust the foot plate.

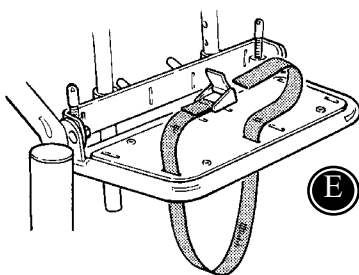
Seat depth is adjustable by moving the cushion forward or backward. When the seat cushion is moved forward, it is a good idea also to pull the foot rest bar forward, to support the cushion. Use the Allen key to loosen the screw (C).

To angle adjust the foot support bar, pull the strap in front of the seat (D).

**!** When angling the foot support bar on Panther size 3, it is necessary to adjust the seatheight.



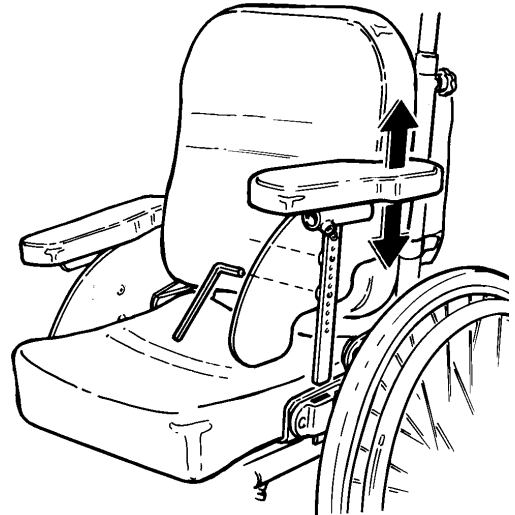
Mounting the foot straps (E).



## **GB** ARMRESTS AND SPLASHBOARDS

The armrests are placed in the fittings on both sides of the seat.

The height of the armrests is determined by the splashboards hitting the fittings. To adjust the height of the armrests, move the splashboards up/down the armrestbars. To do this utilize the 4 mm Allen key.

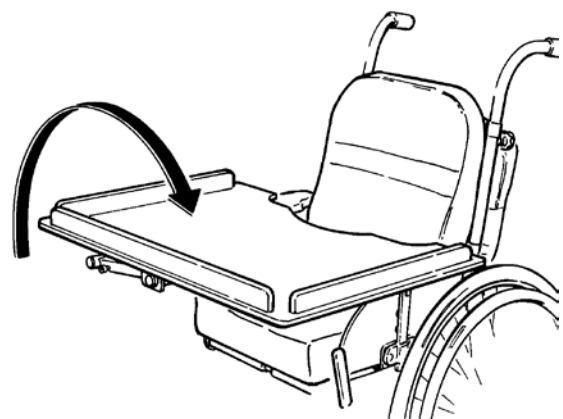
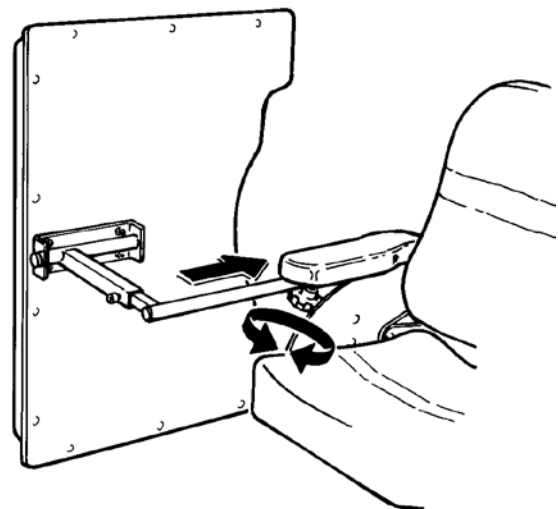


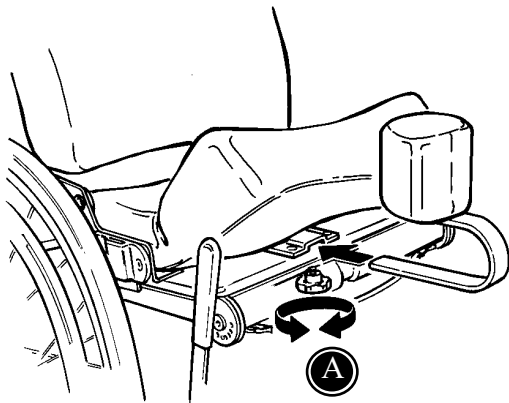
## **GB** TABLE

Mount the table in the armrest bar.

Use the 6 mm Allen key to adjust the table to the width of the chair.

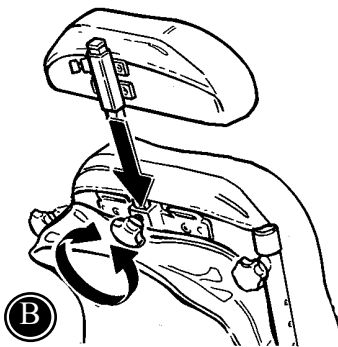
The table swings up. Make sure the knob at the armrestbar is tightened securely.



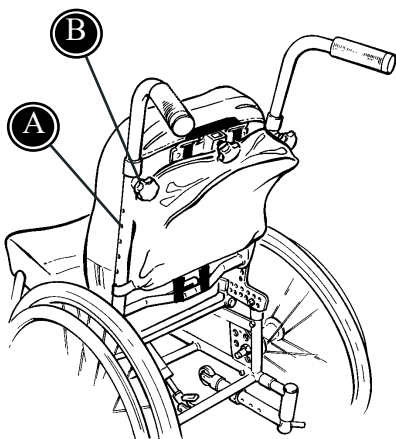


## **GB** POMMEL AND BACK EXTENSION

The fittings for the pommel are to be mounted under the seat cushion with the 4 mm Allen key. Then place the pommel in the fittings as shown (A). Tighten under the seat.



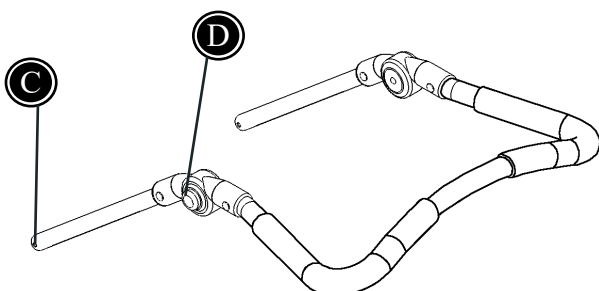
Mount the back extension in the head support fittings on the back as shown (B). Back extension, head support and swing away shoulder supports can be mounted at the same time.



## **GB** PUSH HANDLE

Disassemble the existing handles by pushing the springs (A), loosening the knob (B) and lifting off the handles.

Mount the new push handle and adjust the height by pushing the springs (C) and place the push handle in the desired position and tighten the knobs (B).

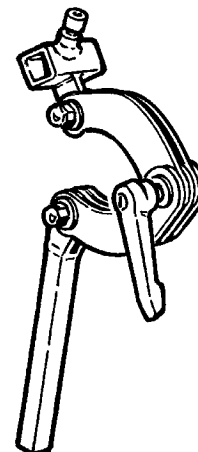
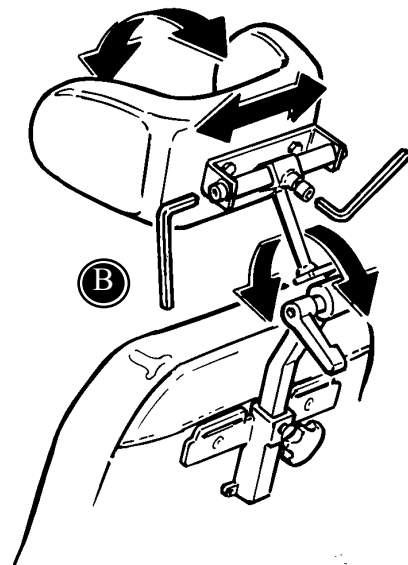
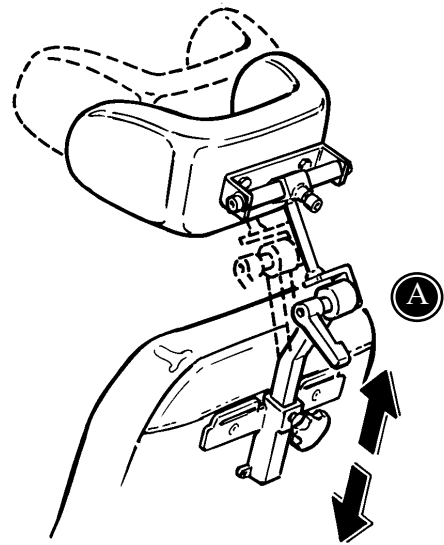


The new push handle can easily be angle adjusted by pushing the buttons on each side (D).

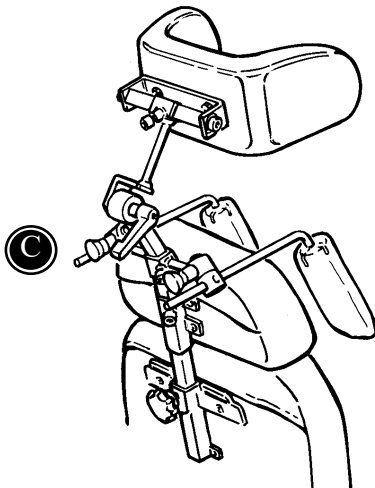
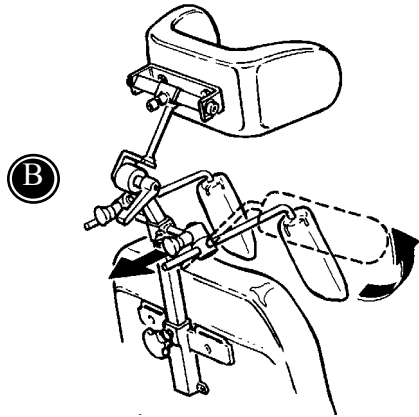
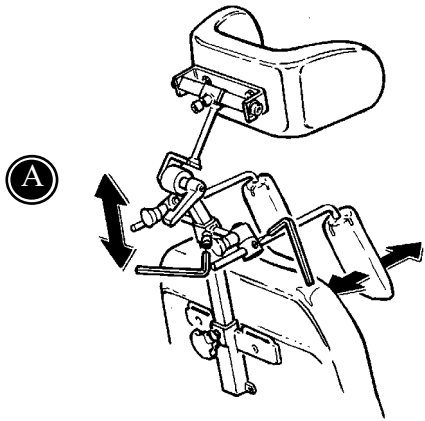
## **GB** HEAD SUPPORTS

Mounting and height adjustment of the head support (A). To increase forward head support turn the device 180°.

Angle and lateral adjustment of the head support (B). It is easiest to loosen all adjustment mechanisms at once, set the device in the desired position, and then tighten the mechanisms again.



G  
B



## **GB** SWING-AWAY SHOULDER SUPPORTS

To height and depth adjust the shoulder supports, use the 6 and 4 mm Allen keys (A).

To swing away the shoulder supports, pull the little black knobs as shown above (B).


To mount back extension, head support and swing-away shoulder supports at the same time, the head support bar as through bar (C).

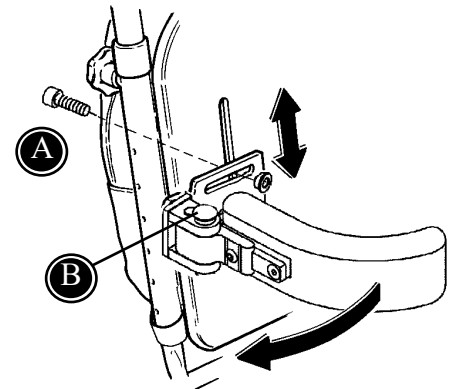


We recommend to oil the swing away parts occasionally.

## **GB** SWING AWAY SIDE SUPPORTS

The swing away side supports are mounted with screws through the slots in the back rest (A). Place the side supports in the right height and width before tightening the screws completely. To swing away the side supports, press down the red button (B).


 We recommend to oil the swing away parts occasionally.

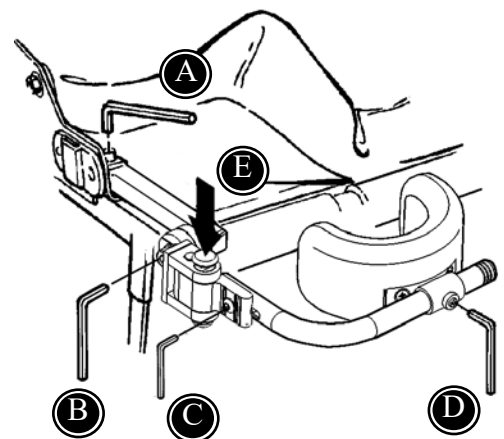


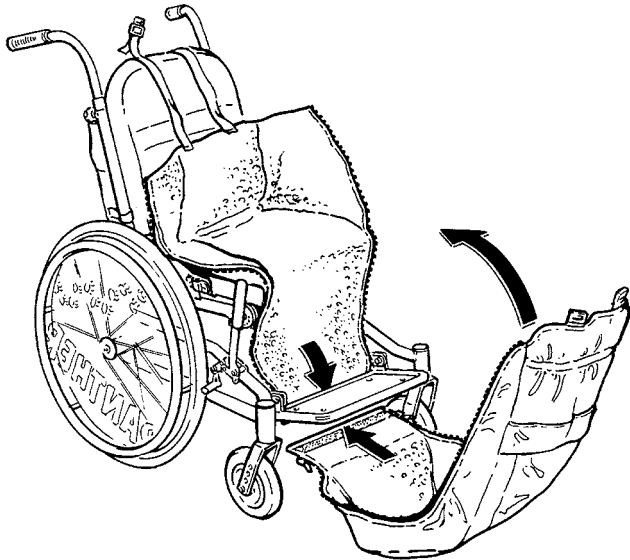
## **GB** SWING AWAY KNEE SUPPORTS

The bars for the swing-away knee supports are to be placed in the fittings under the seat cushion. Mount the enclosed screw and fastened with the 4 mm Allen key (A).

- \* Loosen the screws (B) with the 6 mm Allen key to adjust the angle of the knee support bars.
- \* Loosen the screws (A) or (C) with the 4 mm Allen key to adjust the depth.
- \* The knee supports themselves are angle and sideways adjustable (D) using the 4 mm Allen key.
- \* Push down the red button on the fitting (E) to swing away the knee supports.

 The carer should check and oil the swing away parts occasionally - at least every 3 months.





## **GB** THERMO BAG AND RAIN CAPE

Placing the thermo bag:

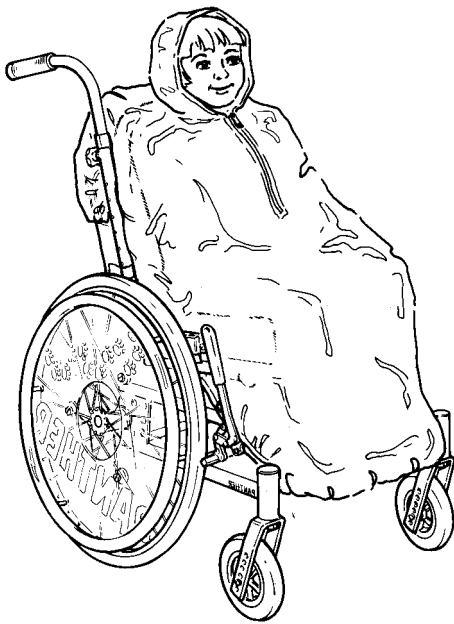
Unzip the thermo bag and place it in the chair as shown. Place the child on the bag, bring up the top and zip. Fasten the shoulder straps in the spring lock (A).

The thermo bag has velcro at the foot, enabling you to remove the top completely - a good idea f.ex. when you go shopping.

The rain cape should cover the foot support, the back rest, the rucksack plus armrests if any.



Take care that all the fixations and adjustments are placed and fitted correctly and check it on a regular basis.





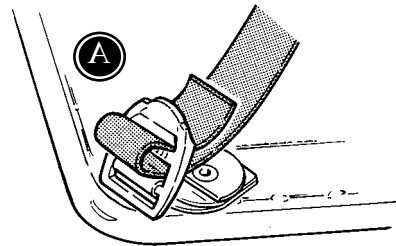
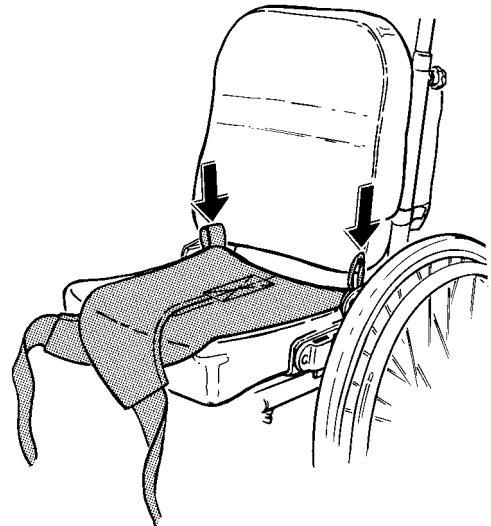
## **GB** ABDUCTION STRAP

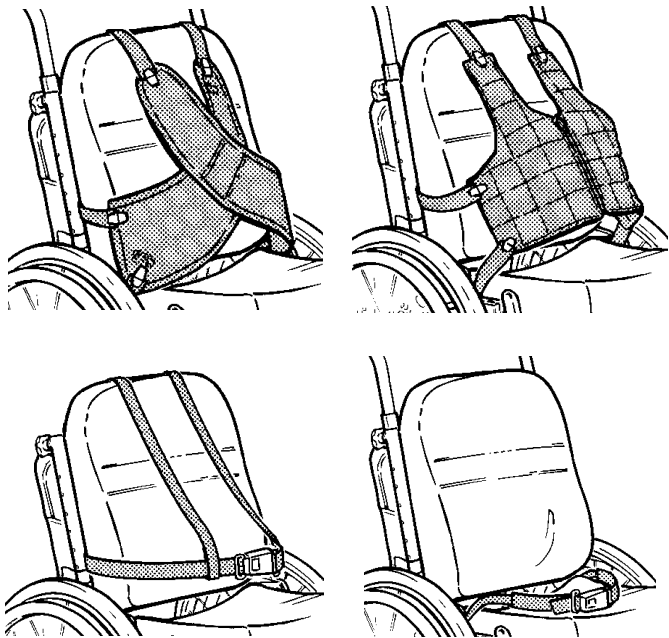
Place the abduction strap flat on the seat as shown. Fasten the rear straps in the buckles under the seat (A).

Place the child and bring the straps up between the child's thighs and around the back of the chair as shown. Fasten the straps behind the back of the chair in the buckle.



Take care that all the fixations and adjustments are placed and fitted correctly and check it on a regular basis.



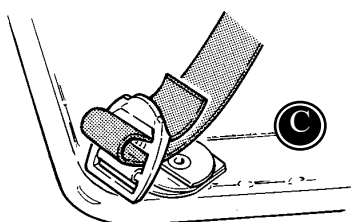
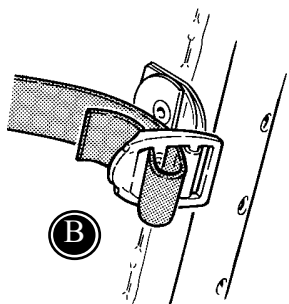
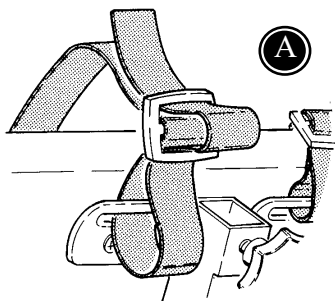


## **GB** CROSSVEST AND VEST

Fasten the shoulderstraps in the mounting on the back (A). Fasten the side and the lower straps in the buckles behind the cushions (B) + (C).

Both vest and crossvest can be dismantled where the straps are attached to the vest itself. That way you don't need to loosen the buckle everytime.

**!** Take care that all the fixations and adjustments are placed and fitted correctly and check it on a regular basis.



## **GB** H-STRAP AND HIP STRAP

Fasten the shoulderstraps for the H-strap on the back (A). Fasten the side strap in the buckle behind the back cushion or under the seat cushion (B) + (C).

Fasten the hip strap in the buckle under the seat cushion (C).

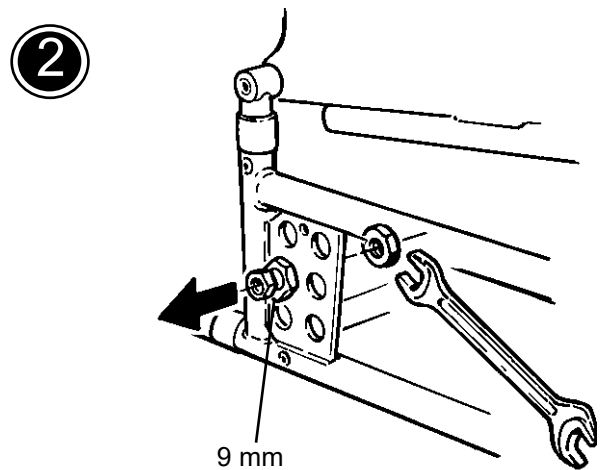
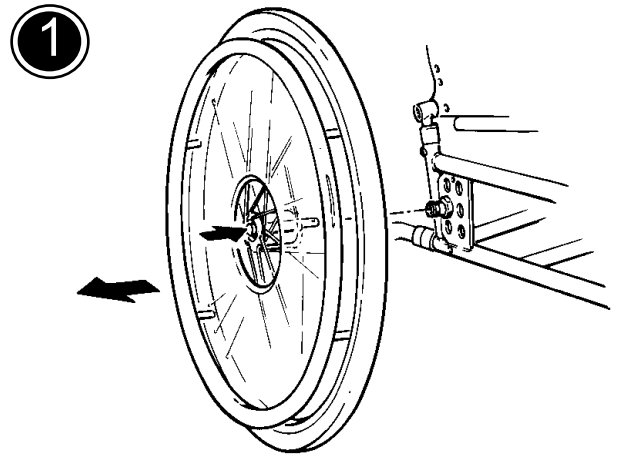
**!** Take care that all the fixations and adjustments are placed and fitted correctly and check it on a regular basis.

## **GB** DRUM BRAKES 1/3

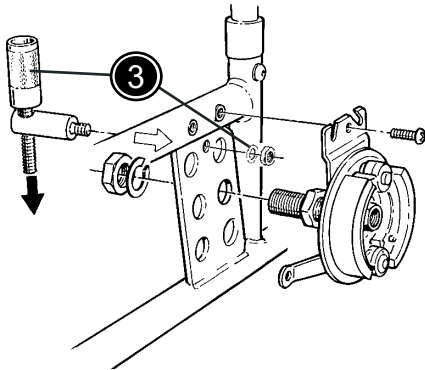
How to mount drum brakes:

1. Dismount the wheel.
2. Use a 24 mm key to dismount the QR-axle.

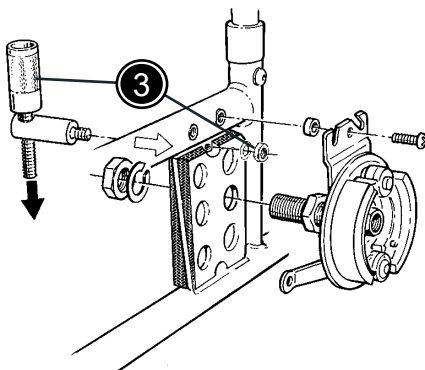
If you need to just move the QR-axle to another hole, the distance between the nuts on the outside of the plate, must be 9 mm. Fasten the nut on the inside, as shown. Do not fasten too much (max. 22 Nm), or it will bend, unabling the axle to come through.



1



2

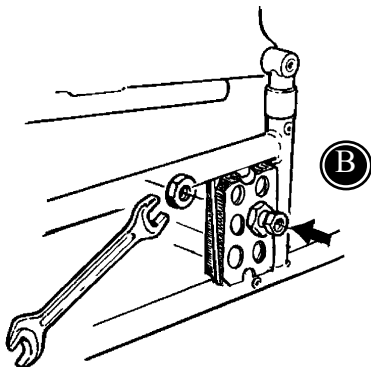
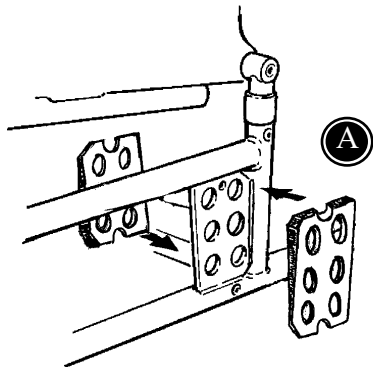


## GB DRUM BRAKES 2/3

The drum brake is mounted in the plate. Considering which Panther you have, follow description 1 or 2.

1. To mount the drum brake on a Panther with camber, follow the drawing. To clean the thread you may want to use a 5 mm tape tap.
2. The procedure on a Panther with wedges to eliminate camber is the same as above. The only difference is that you have to place a small distance piece between the bar and the fittings.
3. The holder is mounted in the top hole on the plate. Fasten with a washer and a nut.

How to mount wedges to eliminate camber: Place the wedges on both sides of the plate as illustrated (A). Then mount either QR-axle (B) or drumbrake (2) as the case may be.



## GB DRUM BRAKES 3/3

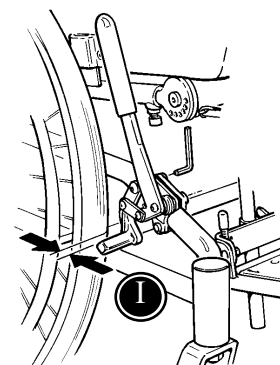
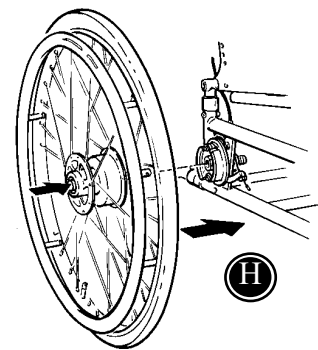
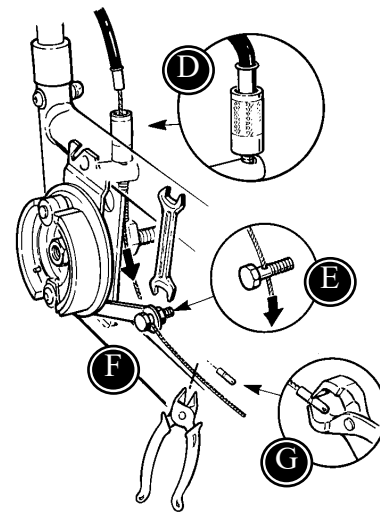
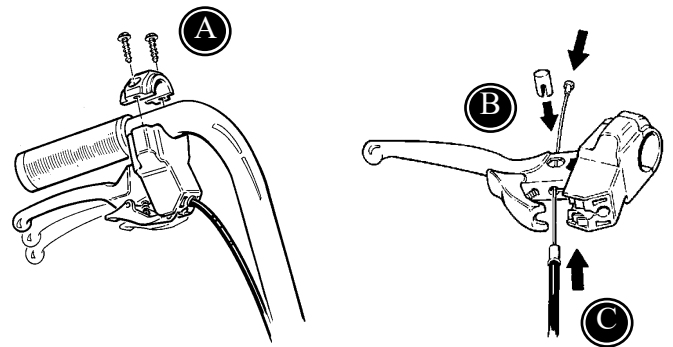
The handle is mounted on the push brace with a screwdriver (A). Lead the inner cable through the hole in the screw (B) and mount the outer cable (C).

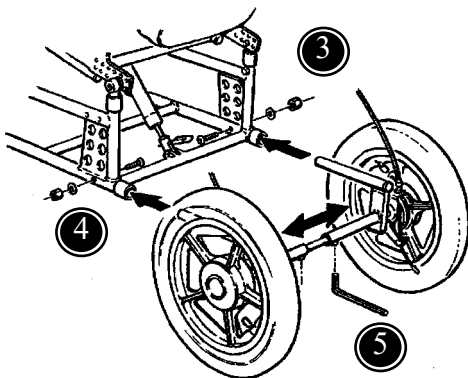
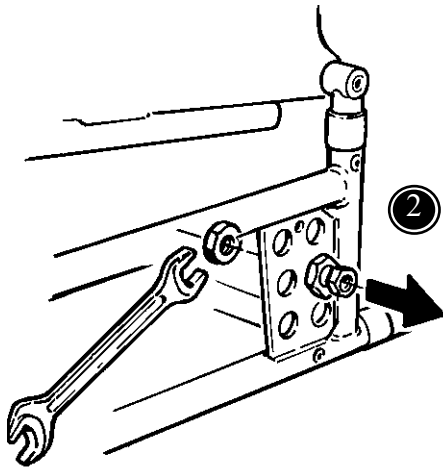
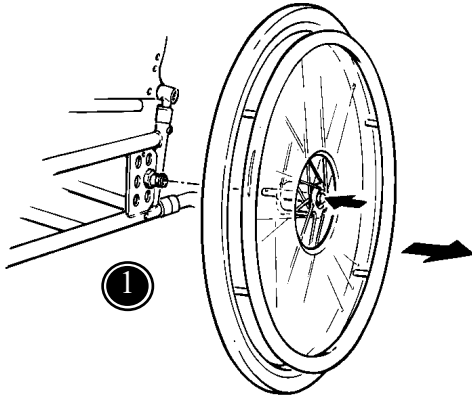
To fasten the cable at the brake: Lead the cable through the holder (D) and through the hole in the screw (E).

Mount the screw through the brake lever (F). Fasten the nut with an 8 mm key. Cut the cable and mount the cable end sleeve (G) as shown.

Mount the new wheel (H).

Make sure that the hand brake (I) is still in the right distance to the wheel (5mm).





## **GB** MOUNTING THE 12½" WHEEL

How to mount the 12½" wheel:

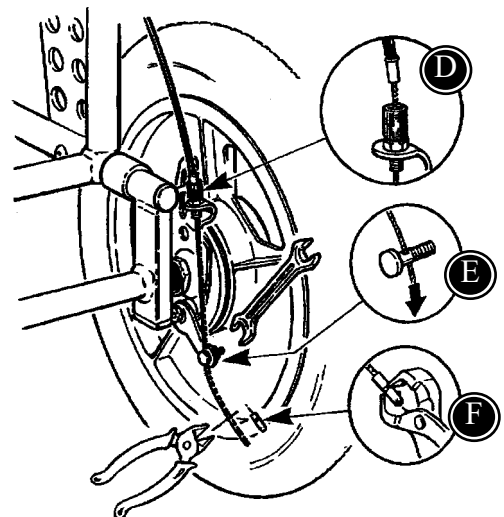
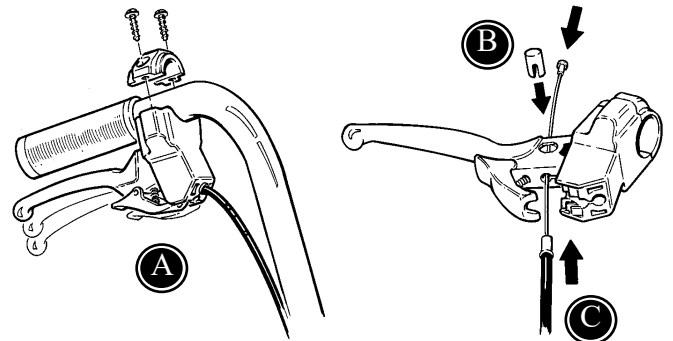
1. Dismount the wheel
2. Use a 24 mm key to dismount the QR-axle
3. Dismount the anti-tipping devices at both sides
4. Mount the 12" wheels from behind and fasten with the screws from the anti-tipping devices
5. Loosen the screws with a 4 mm Allen key to adjust the width between the wheels.

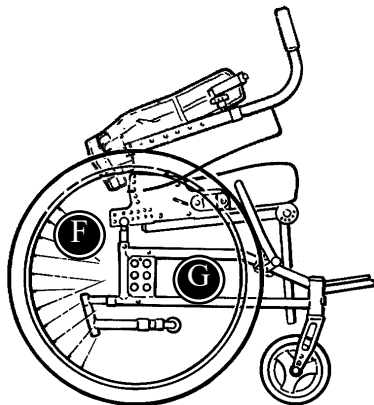
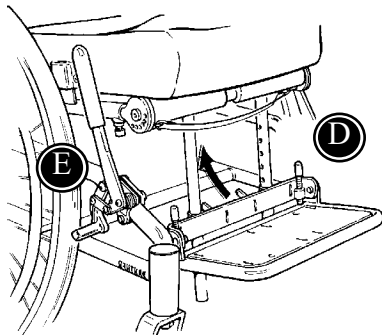
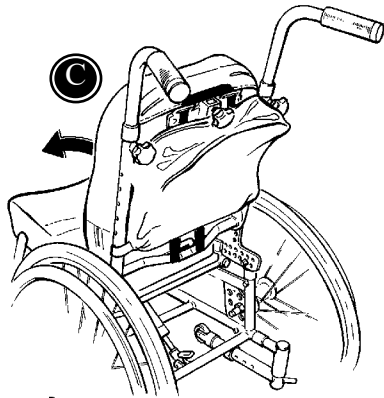
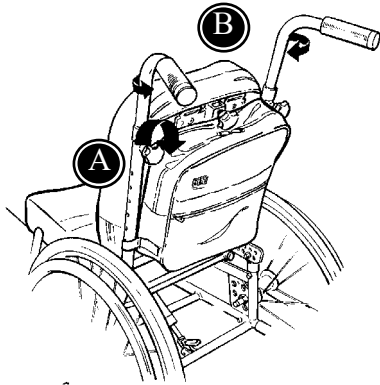
Fasten at the correct width.

## **GB** MOUNTING/ ADJUSTING THE HAND BRAKE & CABLE

The handle is mounted on the push brace with a screwdriver (A). Lead the inner cable through the hole in the screw (B) and mount the outer cable (C).

To fasten the cable at the brake: Lead the cable through the holder (D) and through the hole in the screw (E). Fasten the nut with an 8 mm key. Cut the cable and mount the cable and sleeve (F) as shown.





## **GB** TRANSPORTATION/ STORAGE

It is possible to fold the Panther wheelchair for transportation or storage:

A Loosen the handles

B Turn the handles towards the middle of chair.

C Angle the backrest forward

D Angle the footrest backwards underneath the chair.

E Pull the brake or


F remove the drivewheels

G Lift the Panther safely by grasping around the frame.





## **GB** TRANSPORTATION IN MOTOR VEHICLES 1/2


The Panther wheelchair is approved for transporting children in motor vehicles, when the wheelchair is placed in forward-facing position.


 The approval is not valid on special made wheelchairs.


Follow the below to ensure the safety:


 The child should transfer to the vehicle seat and use the vehicle-installed restraint system whenever it is feasible.

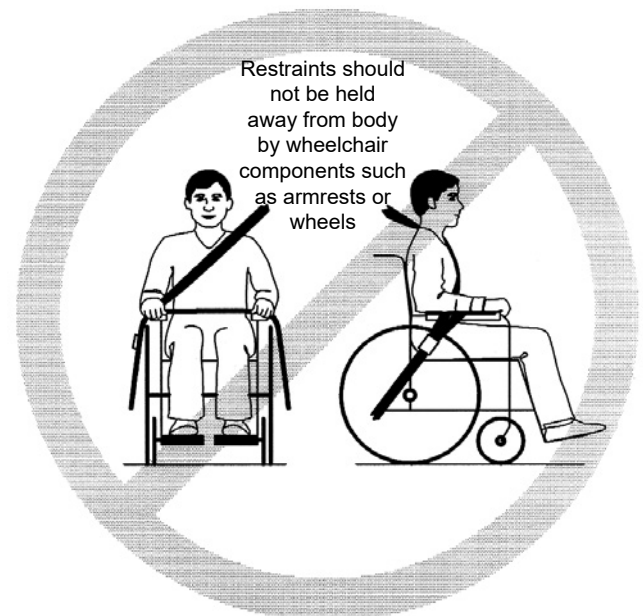
 The wheelchair has been dynamically tested according to ANSI/RESNA WC/Vol. 1-1998, section 6.4.1, litra c.

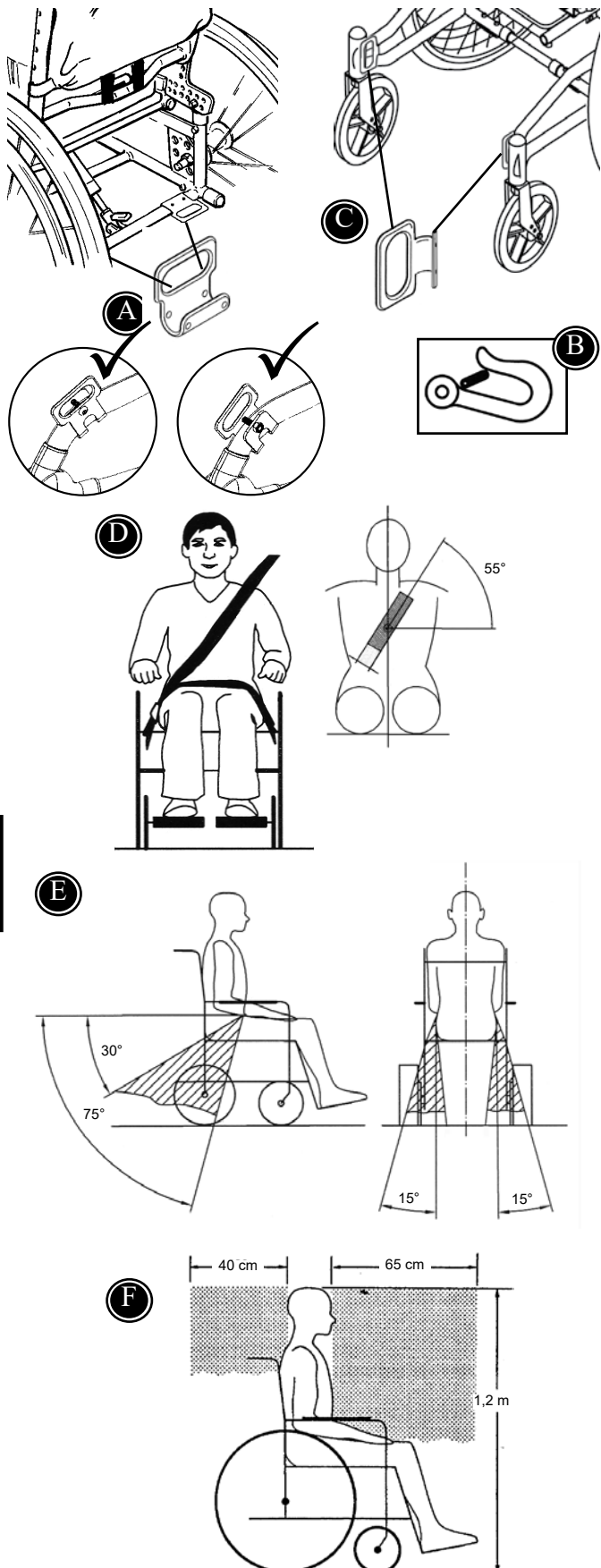
 The wheelchair must be placed in forward-facing position, when used as a seat in a motor vehicle. Use an approved 4-point strap-type tiedown system.

 Use an approved 3-point belt in the wheelchair. Restraints should not be held away from the body by wheelchair components such as armrests or wheels.

 All accessories has to be removed from the wheelchair and secured separately in the vehicle. Accessories which can not be removed, has to be secured to the wheelchair but positioned away from the child with energy-absorbing padding placed between the accessories and the child.

 The wheelchair should be inspected by the dealer before reuse following involvement in any type of vehicle impact.





## **GB** TRANSPORTATION IN MOTOR VEHICLES 2/2

### 1. Secure the Panther in the vehicle:

- \* Mount the 4-point strap-type tiedown system in the vehicle. (Follow the manufacture instructions)
- \* Mount the two fittings (A) with the symbol (B) on the back of the chair.
- \* Mount the two fittings (C) with the symbol (B) on the front of the chair.
- \* Secure the wheelchair to the vehicle, using the 4-point strap-type tiedown system. Use either a hook or a strap in the fittings (A) and (C).

**!** Use a 4-point strap-type tiedown system approved according to ISO 10542-2.

### 2. Secure the child in the wheelchair:

- \* Use the 3-point belt as shown on drawing (D).
- \* The angle on the 3-point belt has to be according to drawing (E).
- \* The belt restraints should be adjusted as tightly as possible, consistent with user comfort. Further the belt webbing should not be twisted when in use.
- \* We recommend to angle the seat 90° and back 3° to the back.

**!** Use a 3-point belt approved according to ISO 10542-1.

### 3. Transportation:

- \* Remove all accessories from the wheelchair before transportation.
- \* Place the child in forward-facing position.
- \* The wheelchair is approved for transportation at max load 57 kg.

**!** Be aware of the recommended safety zone (F) when moving children in vehicles.

## **GB** FOR CARRIAGE ON PUBLIC TRANSPORT

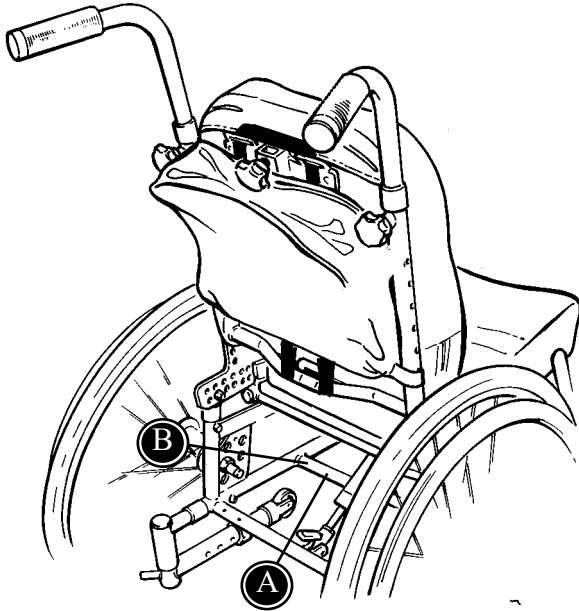
In accordance with Direktive 2001/85/EG, Annex VII, item 3.8.3, the vehicle includes specially marked wheelchair locations, permitting transport with the wheelchair facing the forward direction of movement.

If this method of transport is utilised, the user or carer must play an active part in the travel, be prepared for rapid movements, and the ability to maintain a secure seated position throughout the entire period of transport.

The restrictions on movement of the user must not be so great as to prevent him/her from holding on to the handholds installed in the vehicle during changes in speed and direction of the vehicle.

Apart from the above, one should be able, in order to improve safety, to check that:

- The backrest is at the same level as, or above, the user's shoulders
- That neck support is used and is correctly fitted.
- That the parking brake is applied
- That the tipping protection is lowered



## **GB** PRODUCT-IDENTIFIKATION

### A) Serial number

The label is placed on the frame just below the seat.

### B) Manufacturer

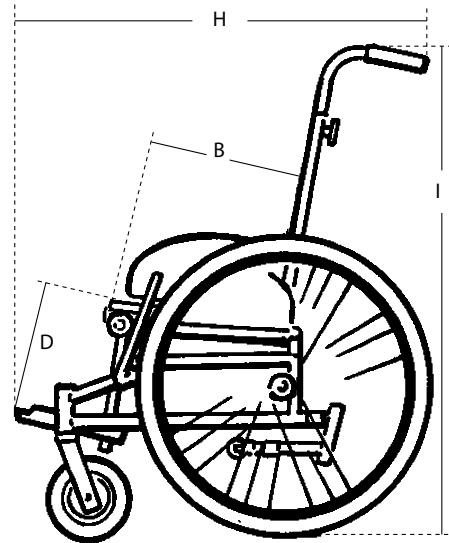
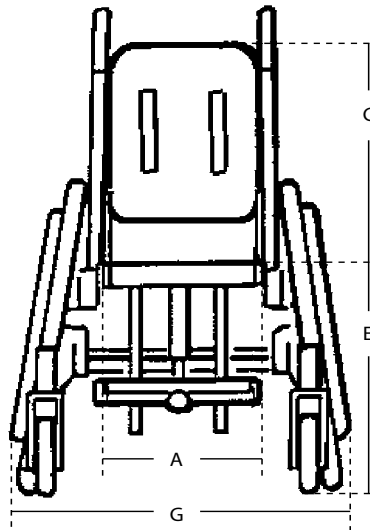
The label is placed on the frame just below the seat.

**A**



**B**





## GB MEASUREMENTS

	Size 1 mm (inch)	Size 2 mm (inch)	Size 3 mm (inch)	Size 4 mm (inch)
Seat width (A)	280 (11")	320 (12½")	360 (14")	400 (16")
Seat depth (B)	200-290 (8-11½")	260-350 (10-13½")	300-390 (12-15¼")	300-390 (12-15¼")
Back height (C)	380 (15")	400 (16")	440 (18")	440 (18")
Lower leg length (D)	140-350 (5½-13½")	140-350 (5½-13½")	160-400 (6-15½")	160-400 (6-15½")
Seat above floor (E)	460-520 (18-20¼")	460-520 (18-20¼")	460-52 (18-20¼")	460-520 (18-20¼")
Back width	590 (23")	620 (24")	670 (26")	700 (27½")
Total length	840 (32")	920 (36")	1100 (39")	1200 (47")
Total height	955-1100 (37-43")	955-1100 (37-43")	955-1100 (37-43")	955-1100 (37-43")
Weight	16 kg (35 lb)	16 kg (35 lb)	17,5 kg (38,5 lb)	22 kg (48,5 lb)
Max load/user weight	60 kg (132 lb)	60 kg (132 lb)	70 kg (154 lb)	70 kg (154 lb)
Max load at transportation	57 kg (125,5 lb)	57 kg (125,5 lb)	57 kg (125,5 lb)	57 kg (125,5 lb)
Folded, w/o wheels:				
Width	470 (18¼")	500 (19½")	540 (21")	580 (22½")
Length	750 (29¼")	750 (29¼")	750 (29¼")	750 (29¼")
Height	360 (14")	360 (14")	360 (14")	360 (14")
Weight	11,7 kg (25,7 lb)	12,1 kg (26,6 lb)	13,3 kg (29,3 lb)	14,3 kg (31,5 lb)
Angling:	Footsupport	-28° - +87°		
	Back	-2° - +35°		
	Seat	-9° - +35°		

## **GB** TECHNICAL DATA

Frame: Powder lacquered steel  
Plastic parts: Glassfiber strengthened polypropylene  
Cushions: Fire-resistant foam  
Cover: Velour with incontinence foil on the back

## **GB** PRODUCER

R82 A/S  
Parallelvej 3  
8751 Gedved  
Denmark

## **GB** DISTRIBUTOR



*Please find your distributor on [www.R82.com](http://www.R82.com)*



