

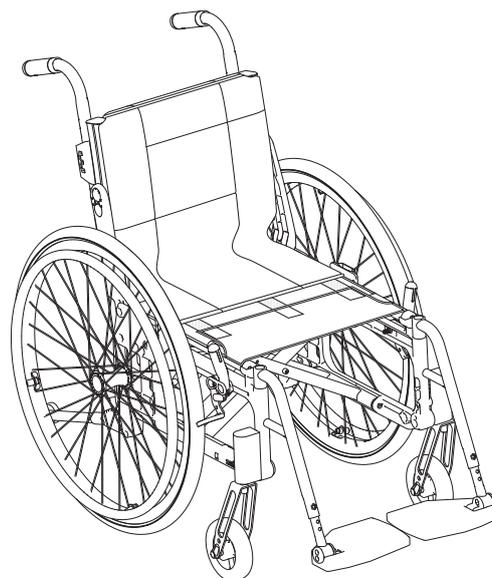
# Etac Cross 5

Manual english

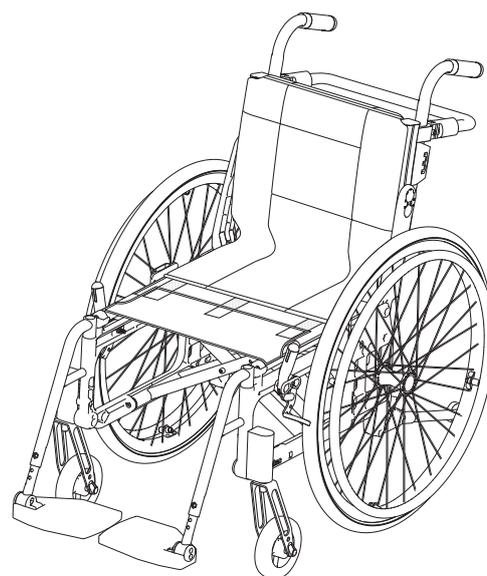
 **etac**<sup>®</sup>

75190J 2014-10-15

## Etac Cross 5



## Etac Cross 5 XL



**CE**

# Contents

|  |           |  |
|--|-----------|--|
| <b>1. General – introduction</b>   |           |  |
| Intended use.....  | 3         |  |
| <b>2. Description</b>  |           |  |
| .....  | 4         |  |
| <b>3. The chairs possibilities</b>   |           |  |
| .....  | 5-7       |  |
| <b>4. Accessories</b>  |           |  |
| .....  | 8-10      |  |
| <b>5. Settings</b>   |           |  |
| Front seat height.....   | 11        |  |
| Adjusting the front seat height by using the front fork attachment.....            | 11        |  |
| Adjusting the front seat height by changing the position of the castor wheel.....  | 11        |  |
| Adjusting the front seat height by changing the castor wheel/front fork.....       | 12        |  |
| Front seat height table.....   | 12        |  |
| Mounting the front fork.....   | 13        |  |
| Setting the angle of the front fork attachment.....                                | 13        |  |
| Rear seat height.....  | 14        |  |
| Adjusting rear seat height by changing rear wheel position or rear wheel size..... | 14-15     |  |
| Rear seat height table.....  | 16        |  |
| Drum brake.....  | 17        |  |
| Seat angle.....  | 18        |  |
| Seat depth.....  | 18        |  |
| Seat comfort.....  | 18        |  |
| <b>User manual</b>   |           |  |
| .....  | 19-30     |  |
| Symbols and warnings.....  | 20        |  |
| Transportation in vehicles.....  | 21        |  |
| Handling.....  | 22-23     |  |
| Seat comfort.....  | 24        |  |
| Settings.....  | 25        |  |
| Driving technique, maneuvering.....  | 26-29     |  |
| Maintenance & Fault-finding chart.....   | 30        |  |
| <b>6. Settings backrest 3A</b>   |           |  |
| Adjusting backrest angle, mono- bi- and triangular back.....                       | 31        |  |
| Adjusting backrest height, monoangular back.....                                   | 32        |  |
| Adjusting backrest height and lumbar angle, biangular back.....                    | 33        |  |
| Adjusting backrest height and lumbar angle, triangular back.....                   | 34        |  |
| Adjusting seat depth using lumbar angle, triangular back.....                      | 35        |  |
| Fitting seat extender.....   | 35        |  |
| <b>7. Settings backrest mod. 2.....</b>  | <b>36</b> |  |
| <b>8. Readjustments</b>  |           |  |
| Brake, adjustment.....   | 37        |  |
| Adjusting the brake block.....   | 38        |  |
| Continuously angle-adjustable legrest (option).....                                | 38        |  |
| Amputee legrest (option).....  | 38        |  |
| Anti-tips.....   | 39        |  |
| Changing the camber angle.....   | 40        |  |
| Adjusting the centre of balance.....   | 40        |  |
| Handrims.....  | 41        |  |
| Adjusting the distance of the handrim.....   | 41        |  |
| <b>9. Accessories - adjusting, handling</b>  |           |  |
| Seat cushion and comfort wedge.....  | 42        |  |
| Armrest, detachable, height adjustable.....  | 42        |  |
| Armrest, flip-up, height adjustable.....   | 43        |  |
| Positioning belt.....  | 43        |  |
| Headrest.....  | 44        |  |
| <b>10. Technical data</b>  |           |  |
| Etac Cross 5, Etac Cross 5 XL.....   | 45        |  |
| <b>11. Service and maintenance</b>   |           |  |
| Upholstery.....  | 46        |  |
| Rear wheel/castor wheel, front fork attachment.....                                | 46        |  |
| Brakes.....  | 46        |  |
| Washing the frame.....   | 46        |  |
| Miscellaneous.....   | 46        |  |
| <b>12. Tests and Guarantees.....</b>   | <b>47</b> |  |

# 1. General

Thank you for choosing a wheelchair from Etac. The manual must be read thoroughly to avoid damage when handling and using the chair. In this manual the User is the person sitting in the chair. The Care giver is the person helping the user.



This symbol appears in the manual together with text. It highlights actions where the wheelchair's, the user's or the care giver's safety can be put at risk.

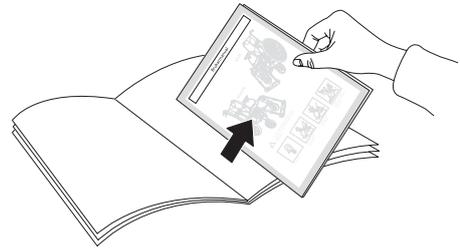


This symbol appears in the manual together with text. Here you will find advice and tips worth considering.

## Explanation for list of points

- Applies to model
- ⊕ Standard for this model

In the centre spread of this manual you will find a removable section that contains user information.



## Tools



Allen key  
3, 4, 5, 6 mm



Socket spanner  
8, 10, 13, 24 mm



Socket wrench  
19 mm



Screw driver  
PH1

## Intended use:

Etac Cross 5 and Etac Cross 5 XL are manual, cross-folded, all-round wheelchairs with multiple functions and they are intended for use both outdoors and indoors. Their seats are adjustable in height, angle and depth. The backrests are adjustable in height, angle and contour. The footrests are adjustable in height, angle and depth.

Etac Cross 5 and Etac Cross 5 XL can be supplemented and adjusted if need change. A large range of options and accessories are available: Various types of backrest and legrest, fixing points for transport in mobility service buses, antitips, various types of handrims and brakes etc.

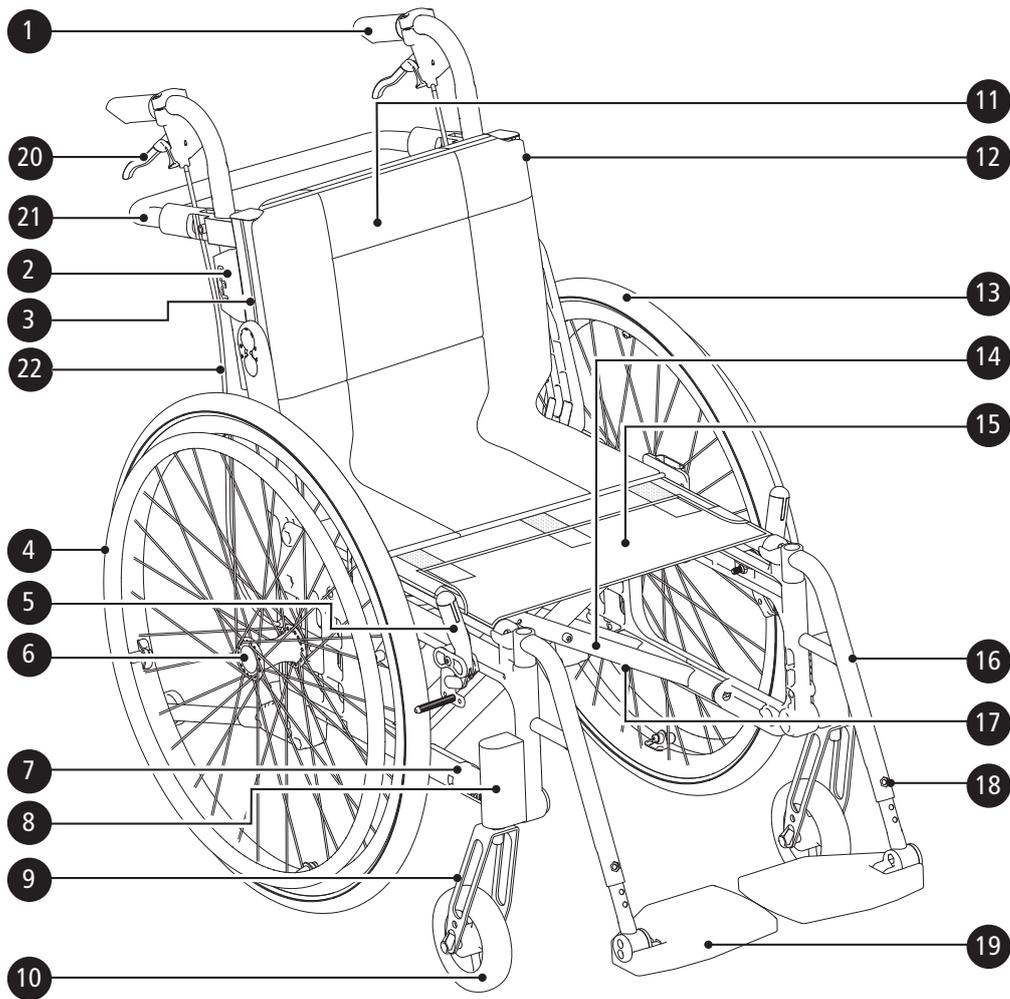
Etac Cross 5 and Etac Cross 5 XL have the best prerequisites to create comfort, functionality and good manoeuvrability.

Etac regularly improves its products. We therefore reserve the right to modify the products without prior notice. The dimensions given on drawings or other material are solely for guidance.

We recommend that the wheelchair is adapted individually to the user before it is put into use.

We are not responsible for printing errors or incomplete information.

## 2. Description

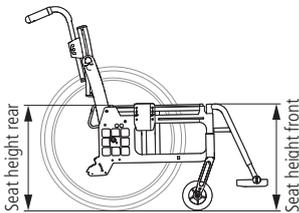
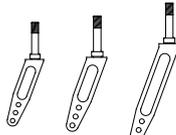
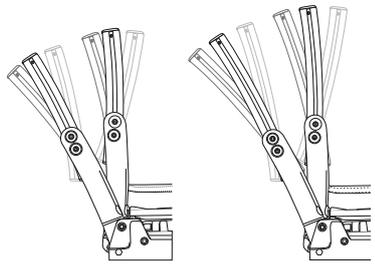


- |                               |                              |
|-------------------------------|------------------------------|
| 1. Push handles               | 12. Backrest upholstery      |
| 2. Locking knob, push handles | 13. Rear wheel               |
| 3. Back rail                  | 14. Cross frame              |
| 4. Handrim                    | 15. Seat upholstery          |
| 5. User brake                 | 16. Legrest                  |
| 6. Quick release hub          | 17. Serial number            |
| 7. Side frame                 | 18. Locking knob, footrest   |
| 8. Front fork attachment      | 19. Footrest                 |
| 9. Front fork                 | 20. Brake handle, drum brake |
| 10. Castor wheel              | 21. Cross brace              |
| 11. Backrest cover            | 22. Brake wire, drum brake   |

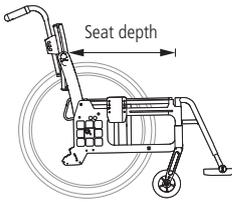
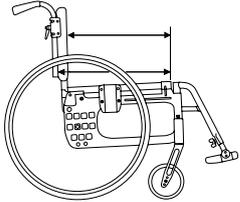
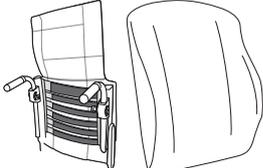
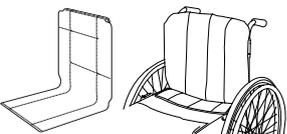
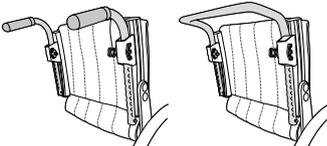
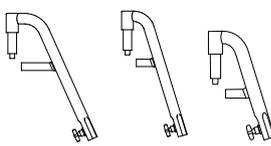
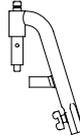
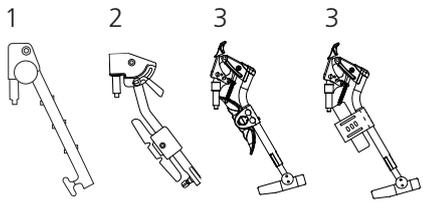
### 3. The chair's possibilities

In the section "The chair's possibilities" you can see all the adaptations possible on the wheelchair. Variations may occur in different markets, e.g. as regards backrest models. For more information, see [www.etac.com](http://www.etac.com) or contact our customer service.

More so called "odd combinations" are available, for example rear wheels and castor wheels. Please, contact our customer service for more information.

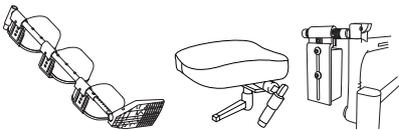
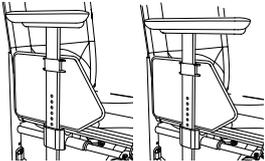
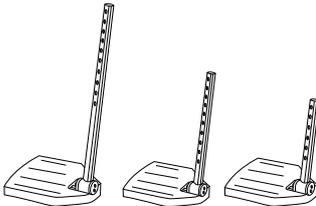
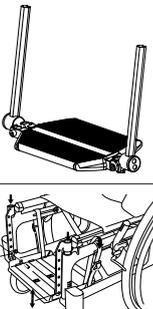
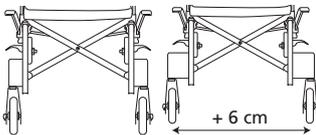
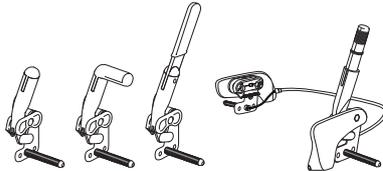
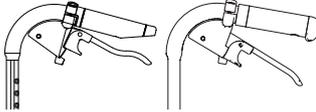
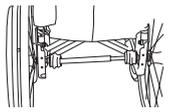
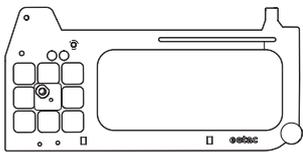
|                                      |   |  |              | Cross 5                             | Cross 5 XL                          |                                     |
|--------------------------------------|---|--|--------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Seat height                          |    | Front  | 34-51 cm     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
|                                      |   |  | 40-51 cm     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
|                                      |   | Rear   | 34-51 cm     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
| Seat angle                           |   | Max forward angle: 2 cm lower front than back (3°)<br>Max backward angle: 6 cm higher front than back (9°) |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
| Castor wheel                         |    | 4" massive (max user weight 100 kg)  |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
|                                      |   | 5" massive   |              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
|                                      |   | 6" semipneumatic   |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
|                                      |   | 6,5" massive   |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
|                                      |   | 8" semipneumatic   |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
| Front fork                           |   | Extra short (two alternative wheel height positions)   |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
|                                      |   | Short (three alternative wheel height positions)   |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
|                                      |   | Medium (three alternative wheel height positions)  |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
| Rear wheel                           |  | 20"  |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
|                                      |   | 22"  |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
|                                      |   | 24"  |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
|                                      |   | 24" Carbon (not in combination with drum brakes)   |              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| Handrims                             |  | Aluminium  |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
|                                      |   | Stainless steel  |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
|                                      |   | Plastic coated   |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
|                                      |   | Cellular rubber (not in combination with drum brakes)  |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
|                                      |   | Titanium (not in combination with drum brakes)   |              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| Camber angle                         |   | 2°   |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
|                                      |   | 0°   |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
| Seat                                 |  | Black fabric   |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
|                                      |   | hard seat  |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
|                                      |   | ECS: A fixed seat/backrest system with anatomically shaped cushions, detachable                            |              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
| Backrest 3A<br>/<br>Backrest 3A high |  |  | 3A           | 3A high                             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
|                                      |   | Height   | 32-45 cm     | 38-51 cm                            |                                     |                                     |
|                                      |   | Backrest angle   | -5° - +20°   | -5° - +20°                          |                                     |                                     |
|                                      |   |  | Lumbar angle |                                     |                                     |                                     |
|                                      |   | Monoangular  | +7° (fixed)  |                                     |                                     |                                     |
|                                      |   | Biangular  | -2° - +13°   |                                     |                                     |                                     |
| Triangular                           | -8° - +18°  |  |              |                                     |                                     |                                     |

### 3. The chair's possibilities

|                                       |   |  | Cross 5      | Cross 5 XL |   |
|---------------------------------------|---|--|--------------|------------|---|
| Seat depth                            |    | Short frame 36-42 cm (triangular 36-49 cm)   | ●            | ●          |   |
|                                       |   | Long frame 42-48 cm (triangular 42-55 cm)  | ●            | ●          |   |
| Backrest mod.<br>2                    |    | Height 30-45 cm<br>Angle -5° - +15°  | Standard     | ●          | ● |
|                                       |   |  | Tapered      | ●          | ● |
|                                       |   |  | Widened      | ●          | ● |
| Seat depth<br>backrest mod.<br>2      |    | Short frame 36-42 cm. Long frame 42-48 cm.<br>Functional: Short frame 42-48 cm. Long frame 48-54 cm.                           | ●            | ●          |   |
| Backrest<br>upholstery                |   | Adjustable upholstery  | ●            | ●          |   |
|                                       |   | ECS  | ●            | ●          |   |
| Backrest cover                        |  | Standard   | ●            | ●          |   |
|                                       |   | Comfort  | ●            | ●          |   |
| Push handles/<br>Bow handle           |  | Height adjustable at intervals of 2 cm.<br>Detachable.   | Push handles | ●          | ● |
|                                       |   |  | Bow handle   | ●          | ● |
| Fixed<br>push handles                 |  | Right/left fits backrest 3A  | ●            | ●          |   |
| Legrests,<br>detachable<br>swing-away |  | Normal knee angle  | ●            | ●          |   |
|                                       |   | Narrow angle (only together with 5" castor)  | ●            |            |   |
|                                       |   | Narrow angle, short  | ●            |            |   |
| Legrests<br>lockable,                 |  | Normal knee angle  | ●            | ●          |   |
|                                       |   | Narrow angle   | ●            |            |   |
|                                       |   | Narrow angle, short  | ●            |            |   |
| Legrests<br>Angle<br>adjustable       |  | Mod 1 with or without calf support adjustable in height, depth, angle and sideways (also available with flip-up calf support). | ●            | ●          |   |
|                                       |   | Mod 2 with calf support adjustable in angle, height and sideways.  | ●            | ●          |   |
|                                       |   | Mod 3 with foldable calf support from 40 cm seat width or with attachment and calf support.                                    | ●            | ●          |   |

### 3. The chair's possibilities

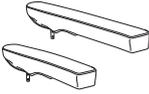
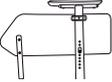
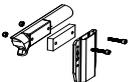
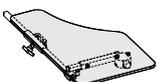
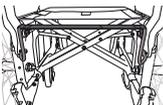
Cross 5  
Cross 5 XL

|  |   |  |                                     |                                     |                                     |                                     |
|--|---|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Legrests<br>other  |    | Plaster legrest  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
|  |   | Amputee legrest  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
|  |   | Amputee weight   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
| Armrest  |    | Short 25 cm  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
|  |   | Long 35 cm   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
| Footrest   |    | Std Max length: 51 cm.<br>Min length: 33 cm.   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
|  |   | Extended attachment tubes +10 cm   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
|  |   | Shorter attachment tubes -8 cm   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |                                     |
|  |   | One-piece footrest   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
| One-piece footrest complete for 35-37,5 seat width, adjustable in angle, settable height and depth |   | <input checked="" type="checkbox"/>  | <input type="checkbox"/>            |                                     |                                     |                                     |
| Front fork attachment  |  | Low widened  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
|  |   | Standard   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
|  |   | widened 6 cm   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
| Brakes   |  | Standard   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
|  |   | Angled handle  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
|  |   | Extended handle  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
|  |   | Single hand brake  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
| Drum brake   |  | Brake handle 75 mm grip  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
|  |   | Brake handle 100 mm grip   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
| Single hand drive  |  | For right or left side. Telescoping axle, easy to remove when folding. (Not in combination with drum brakes) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
| Frame colour   | 01 = Black<br>97 = Silent purple  | 94 = Silk grey<br>98 = Midnight blue   | 95 = Soft green<br>99 = Yellow      | 96 = Coral                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Frame active   |  | Without anti-tip attachment.<br>Colour: black 01   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |                                     |

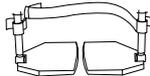
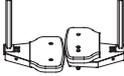
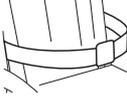
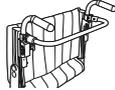
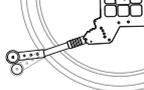
## 4. Accessories

Assembly instructions are always provided with accessories when they are supplied by Etac.  
Instructions are also available on our website, [www.etac.com](http://www.etac.com)

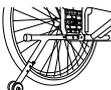
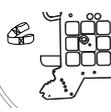
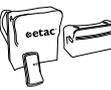
**Settable** = Adjusted using tools. **Adjustable** = Adjusted without tools.

|                         |   |   | Cross 5 | Cross 5 XL |
|-------------------------|---|---|---------|------------|
| Armrest                 | height-adjustable 25 cm long, solid top, black                              |    | ●       | ●          |
| Armrest                 | height-adjustable 38 cm long, solid top, black                              |    | ●       | ●          |
| Armrest cover           | detachable, 25 or 38 cm long padded or gel, dark grey plush or black Dartex |    | ●       | ●          |
| Armrest cushion Hemi    | swing-away for mounting on long armrests                                    |    | ●       | ●          |
| Armrest foldable        | height adjustable or fixed height   |    | ●       | ●          |
| Side guard              | black   |   | ●       | ●          |
| Mudguard                | right and left  |  | ●       | ●          |
| Thigh support           |   |  | ●       | ●          |
| Thigh support           | With soft cushion   |  | ●       | ●          |
| Widening kit            | to extend handrims, brake and armrests 5 mm on each side                    |  | ●       | ●          |
| Tray                    | transparent, fits onto long armrest   |  | ●       | ●          |
| Hemi tray               | transparent, width 35-50 cm. Can be fitted onto short or long armrests.     |  | ●       |            |
| Anti-slip device        | for the Hemi tray   |  | ●       |            |
| Tray Hemi/Communication | tip up right/left   |  | ●       | ●          |
| Seat extension          | To be used together with triangular back                                    |  | ●       | ●          |

## 4. Accessories

|                        |   |   | Cross 5 | Cross 5 XL |
|------------------------|---|---|---------|------------|
| Seat cushion           | dark grey plush and black velour, 56 cm, cut according to seat depth set, washable        |    | ●       | ●          |
| Comfort wedge          | for the cushion, evens out the front part of the seat                                     |    | ●       | ●          |
| Cover for calf support | on angle adjustable legrest model 3, black Dartex   |    | ●       | ●          |
| Calf strap             | detachable, black nylon, adjustable in length   |    | ●       | ●          |
| Padding                | for calf strap  |    | ●       | ●          |
| Heel straps            | black nylon, adjustable length  |    | ●       | ●          |
| Extended footrest      | fits onto the existing footrest, from seat width 40-55 cm                                 |   | ●       | ●          |
| Positioning belt       | two pieces, with snap-lock, fixing points on the wheel-chair frame                        |  | ●       | ●          |
| Seat belt              | with snap lock  |  | ●       | ●          |
| Headrest               | mounted on bow handle, adjustable in height, depth and angle. Available in several models |  | ●       | ●          |
| Cross brace            | with snap lock  |  | ●       | ⊕          |
| Back wedge             | length 15 and 30 cm, attached with Velcro   |  | ●       | ●          |
| Trunk support          | Cross back 3A, PUR or Dartex  |  | ●       | ●          |
| Trunk support          | Cross back 3A, swing-aside, medium or large cushion                                       |  | ●       | ●          |
| Anti-tips              | telescopic, foldable, settable height, adjustable length and angle                        |  | ●       | ●          |
| Anti-tips              | Frame active  |  | ●       |            |

## 4. Accessories

|                            |  |   | Cross 5 | Cross 5 XL |
|----------------------------|--|---|---------|------------|
| Anti-tips                  | Frame active   |    | ●       |            |
| Cane holder                | two parts, one of which is an elasticated section that is fastened around the cane |    | ●       | ●          |
| Spoke guard                | with grey or yellow print  |    | ●       | ●          |
| Tetra quickrelease adapter | for persons with reduced hand function   |    | ●       | ●          |
| Tool kit                   |  |    | ●       | ●          |
| Bags                       |  |    | ●       | ●          |
| Rain cape Proof            | Information is available at <a href="http://www.etac.com">www.etac.com</a>         |   | ●       | ●          |
| Weather protector Proof    | Information is available at <a href="http://www.etac.com">www.etac.com</a>         |  | ●       | ●          |
| Leg warmer Proof           | Information is available at <a href="http://www.etac.com">www.etac.com</a>         |  | ●       | ●          |
| Gloves                     | Information is available at <a href="http://www.etac.com">www.etac.com</a>         |  | ●       | ●          |

# 5. Settings

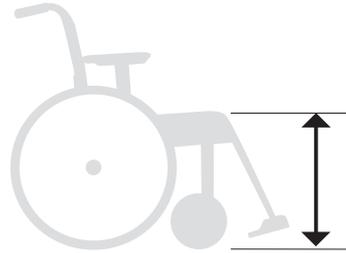
Cross 5

Cross 5 XL

## Front seat height

The front seat height may be adjusted by:

- Using the front fork attachment, adjustable in height and angle.
- Changing the position of the castor wheel.
- Changing the front fork.
- Changing the castor

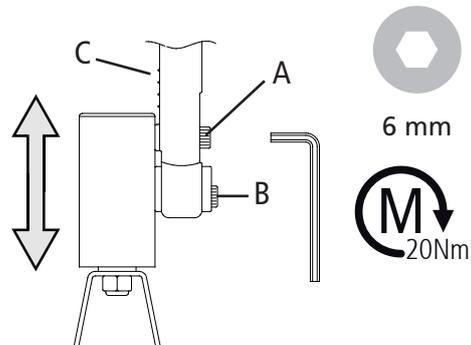


Risk of tipping: Always check the setting of the the anti-tips.

### Adjusting the front seat height by using the front fork attachment

Loosen the screws (A and B). Adjust according to position marking (C) to obtain equal height on both sides.

Check and adjust the angle of the attachment and tighten the screws (see section "Setting the angle of the front fork attachment")



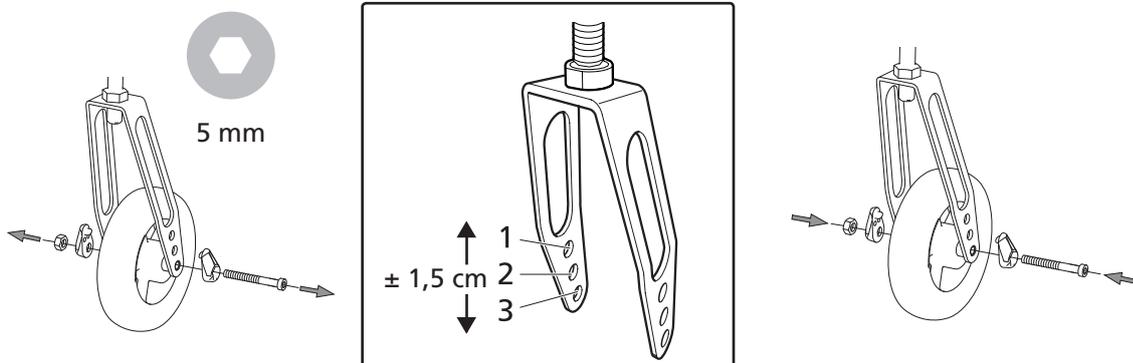
Risk of tipping: Always check the setting of the the anti-tips.

### Adjusting the front seat height by changing the position of the castor wheel

See also section "Front seat height table".



Risk of tipping: Always check the setting of the the anti-tips.



# 5. Settings

Cross 5

Cross 5 XL

## Adjusting the front seat height by changing the castor wheel/front fork

See sections "Adjusting the front seat height by changing the position of the castor wheel" and "Front seat height table".



5 mm

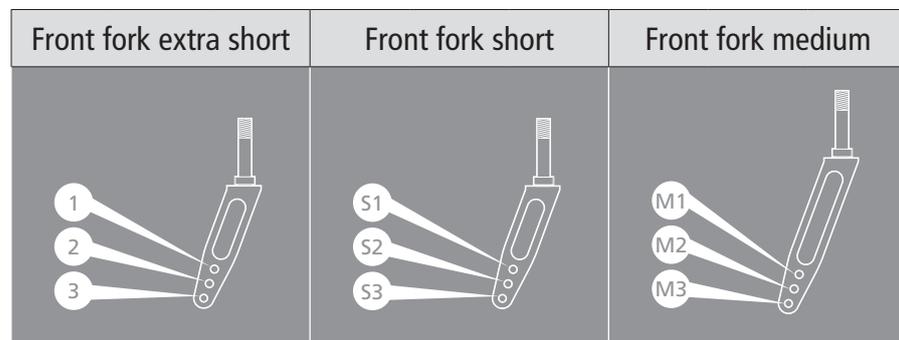
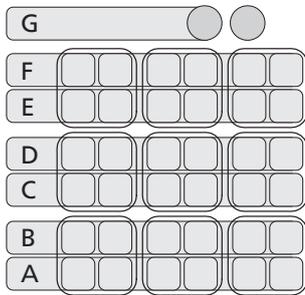


19 mm



Risk of tipping: Always check the setting of the the anti-tips.

## Front seat height table



Castor wheel position (cm)

|                           | Rear wheel pos. | Castor wheel | Castor wheel position (cm) |       |           |           |           |           |       |           |           |
|---------------------------|-----------------|--------------|----------------------------|-------|-----------|-----------|-----------|-----------|-------|-----------|-----------|
|                           |                 |              | XS1                        | XS2   | XS3       | S1        | S2        | S3        | M1    | M2        | M3        |
| Low front fork attachment | G               | 4" *         | -                          | 34-38 | 35,5-39,5 | -         | -         | -         | -     | -         | -         |
| Low front fork attachment | A-F             | 5"           | -                          | -     | -         | 36-40     | 37,5-41,5 | 39-43     | -     | -         | -         |
|                           |                 | 6½"          | -                          | -     | -         | -         | -         | 41-45     | -     | -         | -         |
| Std front fork attachment | A-F             | 5"           | -                          | -     | -         | 37,5-41,5 | 39-43     | 40,5-44,5 | 42-46 | 43,5-47,5 | 45-49     |
|                           |                 | 6"           | -                          | -     | -         | -         | 40-44     | 41,5-45,5 | 43-47 | 44,5-48,5 | 46-50     |
|                           |                 | 6½"          | -                          | -     | -         | -         | 41-45     | 42,5-46,5 | 44-48 | 45,5-49,5 | 47-51     |
|                           | A-C             | 8" **        | -                          | -     | -         | -         | -         | -         | -     | 47-51     | 48,5-52,5 |

\* Maximum user weight 100 kg

For correct setting of the front fork attachment: Max. backward inclination 6 cm higher front than rear (9°), max. forward inclination 2 cm lower front than rear (3°).

\*\* Possible in balance position 4-6 with 3° backward inclination and Std leg support. Make sure the fork/castor wheel can rotate freely without hitting the wheelchair or user. For 8x2" castor wheels, use the Transit fork (gives a seat height of 46.5-50.5 cm)

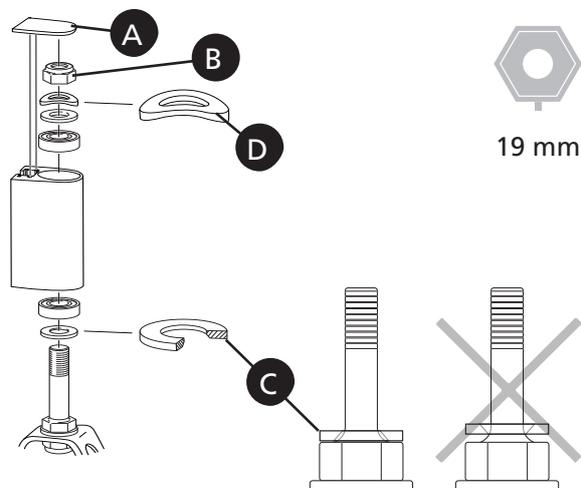
## 5. Settings

Cross 5

Cross 5 XL

### Mounting front fork

- Pull out the cover plug (A) and unscrew the retaining nut (B). Pull out the front fork and put the bevelled washer (C) and the bearing on the new fork.
- Mount the washers and bearings in the front fork attachment as illustrated. Washer (C) is mounted with the bevelled side towards the front fork. Washer (D) on top under the retaining nut.
- Tighten the retaining nut until it cannot be turned any more. Loosen it 1/2-1 turn. The spring washer then has the correct tension. It reduces the risk of the castor starting to "wobble".
- Mount the cover plug.



### Setting the angle of the front fork attachment

The correct angle setting is important for the wheelchair's manoeuvrability.

Unscrew the lower attachment screw (A) about 2 turns so that the shaft (C) moves freely inside the sleeve.

Insert the Allen key in the hole (B) and turn until the attachment is 90° to the floor. Always start from a

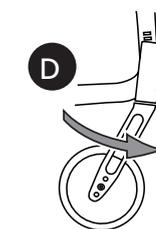
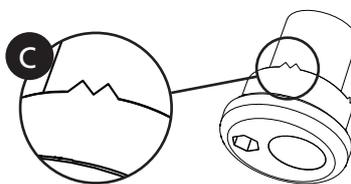
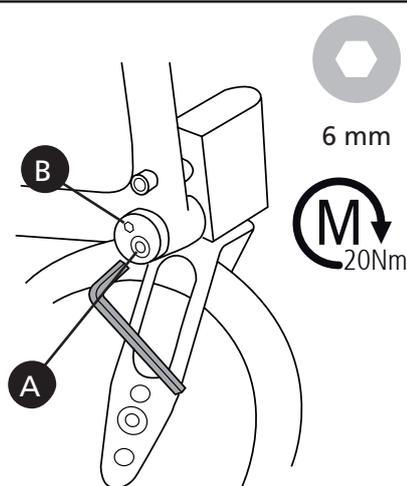
position that enables the wheel to move forward in the rotation (D). Hold the shaft in place while the lower attachment screw is tightened.



**Risk of tipping: Always check the setting of the anti-tips.**



**Keep your eye on something vertical, e.g. a door frame or table leg, while setting the angle.**



# 5. Settings

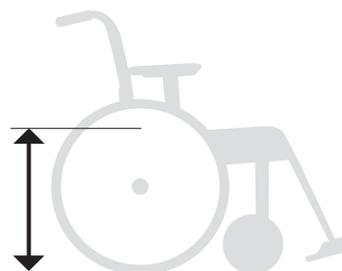
Cross 5

Cross 5 XL

## Rear seat height

Rear seat height can be adjusted by:

- Changing the position of the rear wheel in the frame.
- Changing the position of the rear wheel in the camber washer.
- Changing the rear wheel.



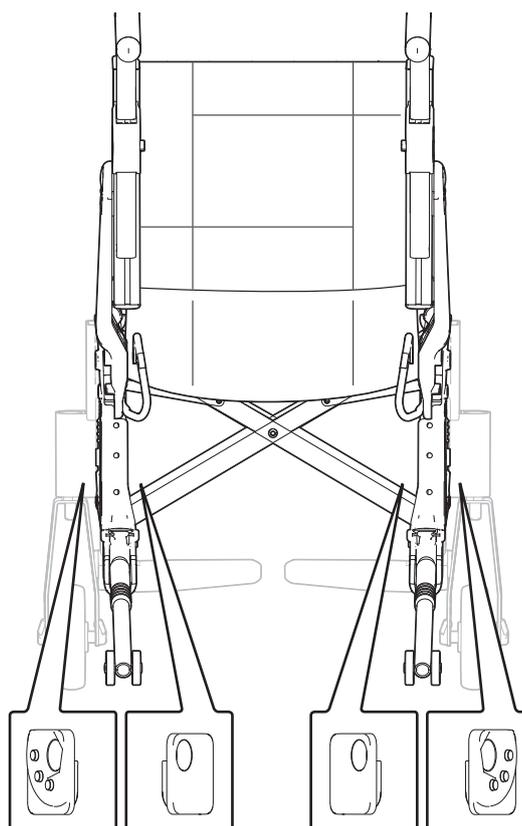
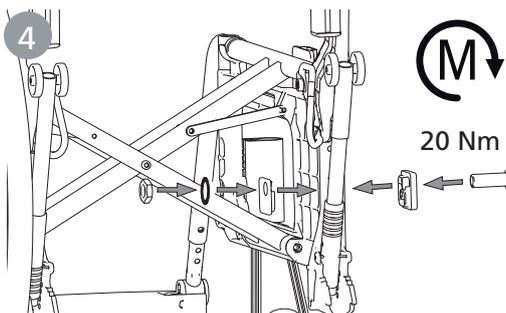
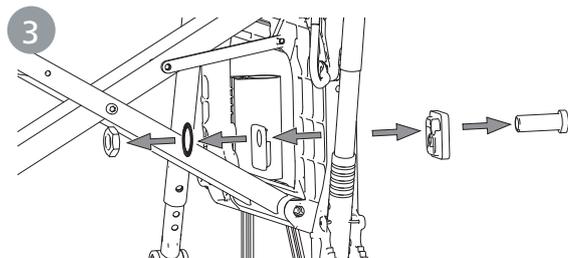
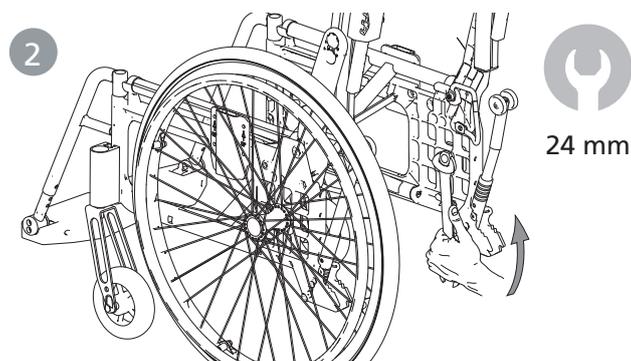
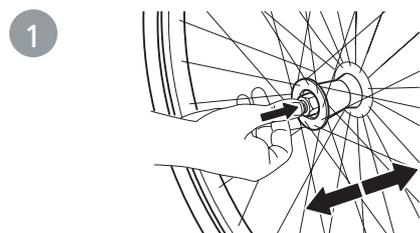
Risk of tipping: Always check the setting of the the anti-tips.

### Adjusting rear seat height by changing rear wheel position or rear wheel size

1. Remove the rear wheel.
2. Unscrew the nut.
3. Reassemble in desired position (see table in section "Rear seat height table").



Risk of tipping: Always check the setting of the the anti-tips.



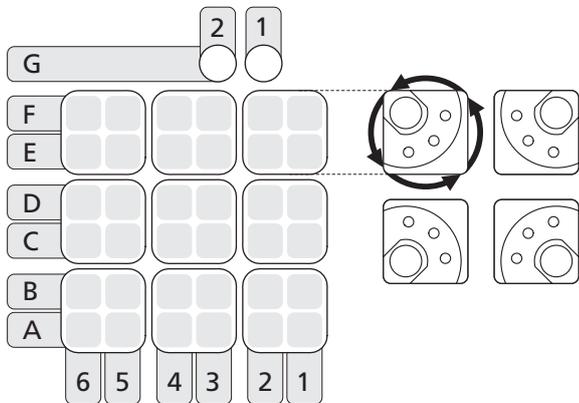
# 5. Settings

Cross 5

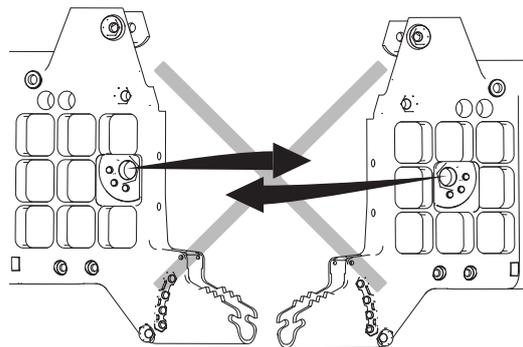
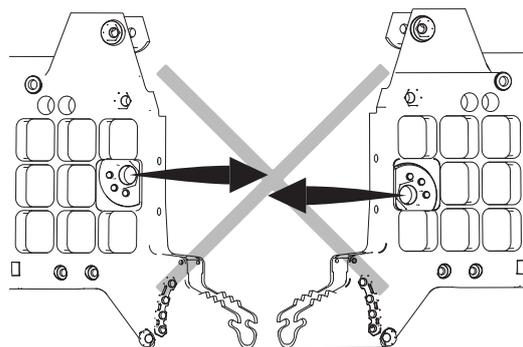
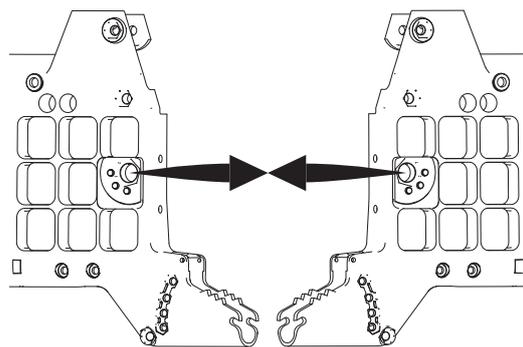
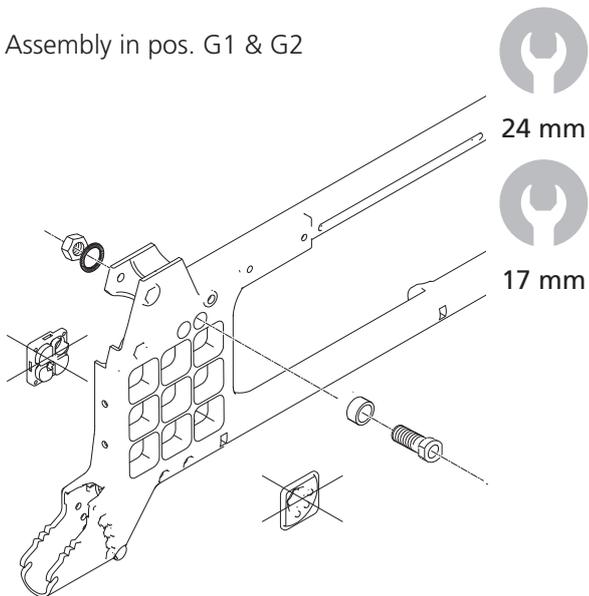
Cross 5 XL



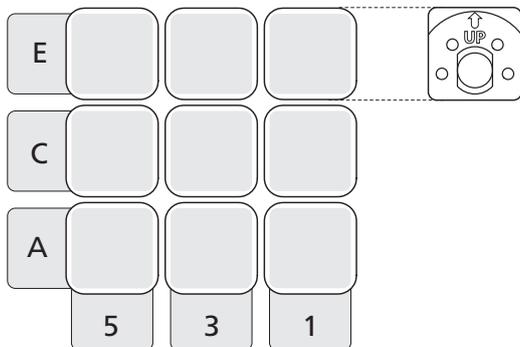
When assembling, check so that the rear wheel axle is correctly adjusted. The button in the hub must pop out to the original position.



Assembly in pos. G1 & G2



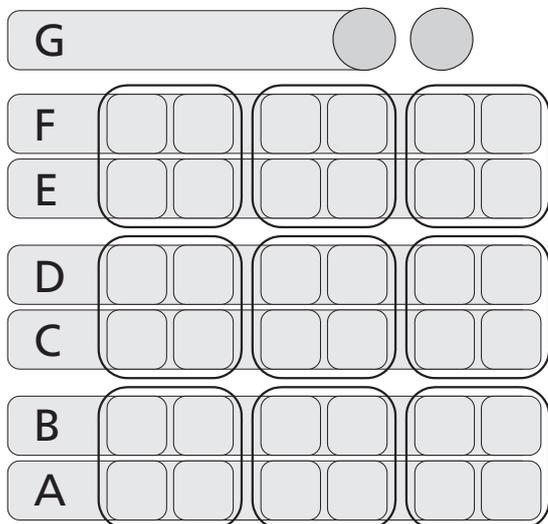
Assembly 0° Camber



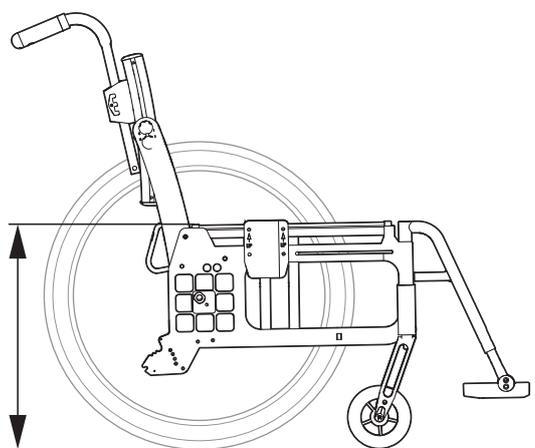
## 5. Settings

### Rear seat height table

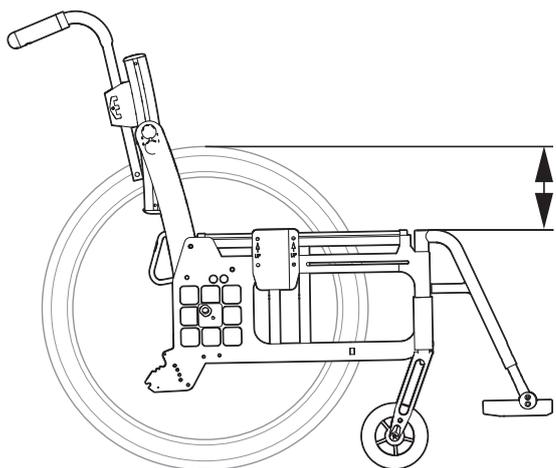
Rear wheel position, height



Seat height, rear



Distance wheel-seat



| Position   | Wheel   | Seat hgt | Distance |
|------------|---------|----------|----------|
|            | 20"     | 46 cm    | 4,5 cm   |
| 22"        | 48,5 cm | 7,0 cm   |          |
| 24"        | 51 cm   | 9,5 cm   |          |
| Position B | Wheel   | Seat hgt | Distance |
|            | 20"     | 44 cm    | 6,5 cm   |
| 22"        | 46,5 cm | 9,0 cm   |          |
| 24"        | 49 cm   | 11,5 cm  |          |
| Position C | Wheel   | Seat hgt | Distance |
|            | 20"     | 42 cm    | 8,5 cm   |
| 22"        | 44,5 cm | 11,0 cm  |          |
| 24"        | 47 cm   | 13,5 cm  |          |
| Position D | Wheel   | Seat hgt | Distance |
|            | 20"     | 40 cm    | 10,5 cm  |
| 22"        | 42,5 cm | 13,0 cm  |          |
| 24"        | 45 cm   | 15,5 cm  |          |
| Position E | Wheel   | Seat hgt | Distance |
|            | 20"     | 38 cm    | 12,5 cm  |
| 22"        | 40,5 cm | 15,0 cm  |          |
| 24"        | 43 cm   | 17,5 cm  |          |
| Position F | Wheel   | Seat hgt | Distance |
|            | 20"     | 36 cm    | 14,5 cm  |
| 22"        | 38,5 cm | 17,0 cm  |          |
| 24"        | 41 cm   | 19,5 cm  |          |
| Position G | Wheel   | Seat hgt | Distance |
|            | 20"     | 34 cm    | 16,5 cm  |
| 22"        | 36,5 cm | 19,0 cm  |          |
| 24"        | 39 cm   | 21,5 cm  |          |

Cross 5

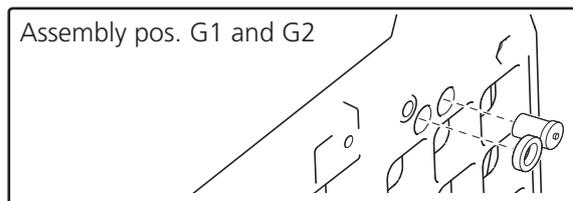
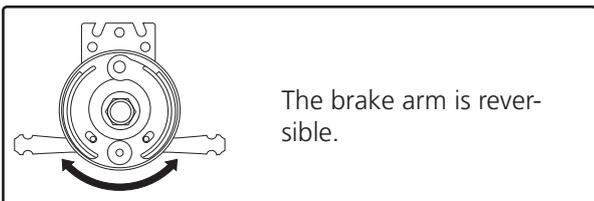
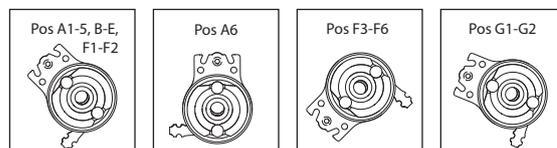
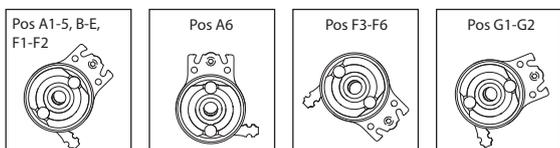
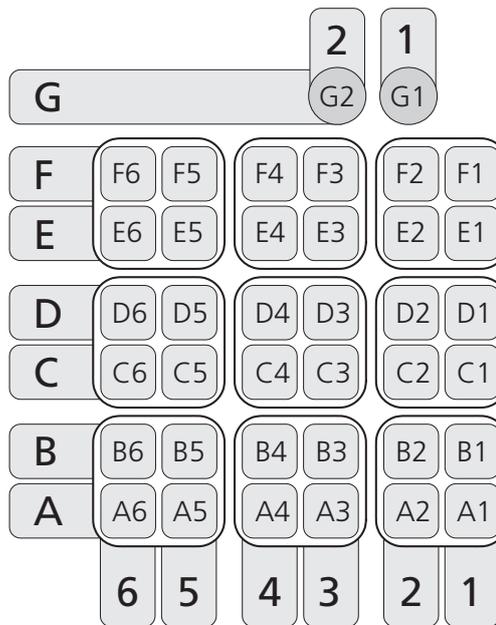
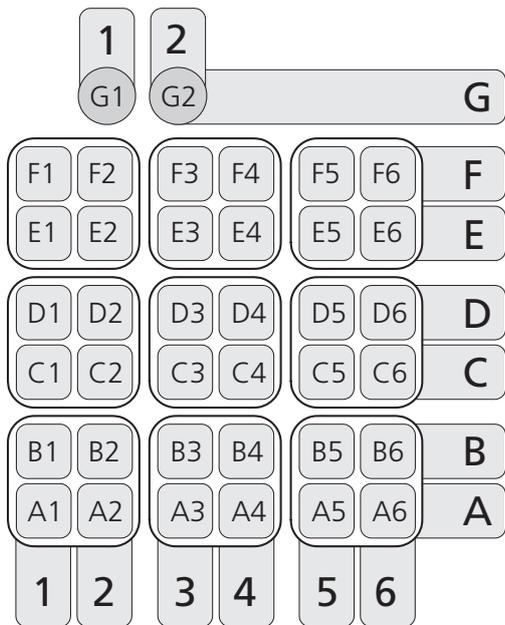
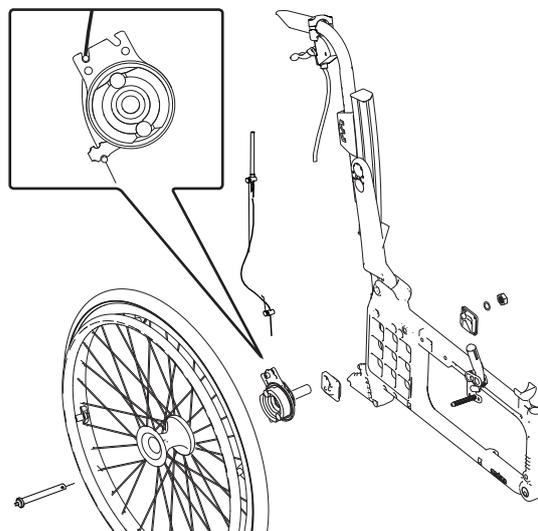
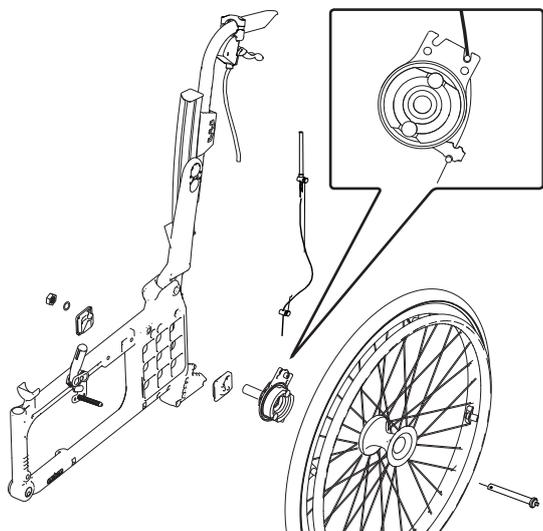
Cross 5 XL

# 5. Settings

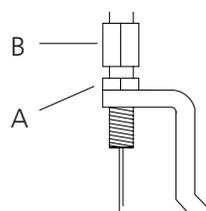
Cross 5

Cross 5 XL

## Drum brake



To adjust the brakes, loosen nut (A). Loosen/tighten screw (B) in order to reach proper brake function. Tighten the nut (A). This adjustment should be done when the brakes are not working properly.



8 mm

## 5. Settings

Cross 5

Cross 5 XL

### Seat angle

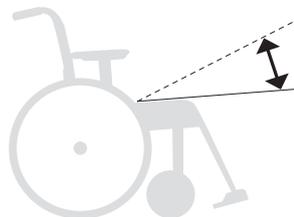
The **seat angle** is dependent on the difference between the front and the rear seat heights.



Risk of tipping: Always check the setting of the the anti-tips.

If the seat angle is changed:

- Adjust the angle of the front fork attachment.
- Check the backrest angle.



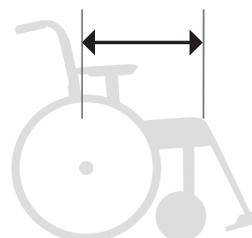
### Seat depth

The **seat depth** can be adjusted by lifting the front seat upholstery and sliding it backwards or forwards.

With Cross backrest 3A triangular, the seat depth can be further adjusted by means of the lumbar angle (see the section "Settings for backrest 3A").



Risk of tipping: Always check the setting of the the anti-tips.



### Seat comfort

After adjusting seat height, seat angle, seat depth and backrest angle, the backrest upholstery must be adjusted to optimize the seat comfort. See the "Seat comfort" section in the User manual.

●

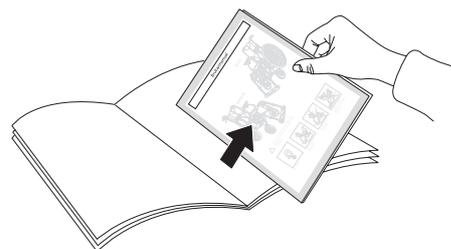
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# User manual

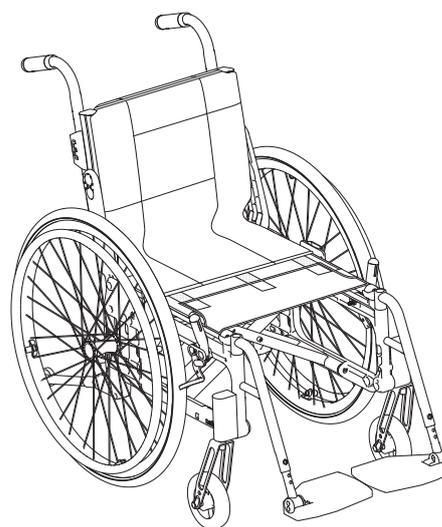
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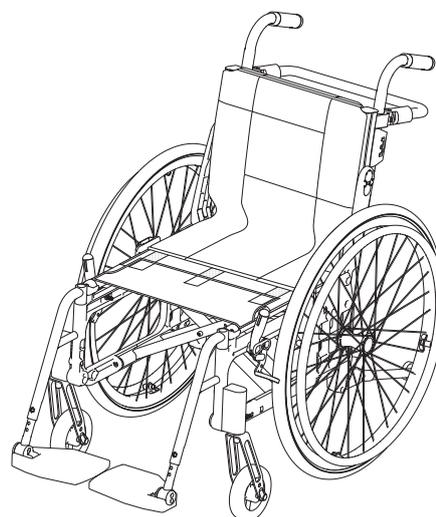
This part of the manual (User manual) should be torn out and at all times follow the wheelchair. This as it contains important user information.



## Etac Cross 5



## Etac Cross 5 XL



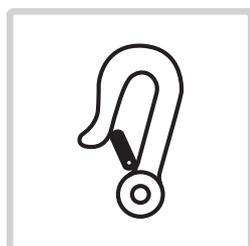
# User manual

## Contents

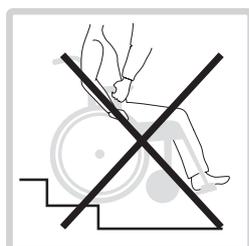
|  |       |
|--|-------|
| <b>User manual</b>                     |       |
| Symbols and warnings.....              | 20    |
| Transportation in vehicles.....        | 21    |
| Handling.....                          | 22    |
| <b>Settings seat comfort</b>           |       |
| Backrest cover .....                   | 23    |
| Seat cushion.....                      | 23    |
| Backrest upholstery.....               | 23    |
| Backrest angle .....                   | 23    |
| Footrests.....                         | 24    |
| Calf/heel strap .....                  | 24    |
| Armrests.....                          | 24    |
| Driving technique, maneuvering.....    | 26-29 |
| Maintenance & Fault-finding chart..... | 30    |

## Symbols and warnings

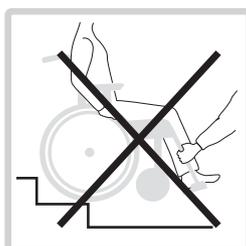
These symbols appear on labels and in the user manual.



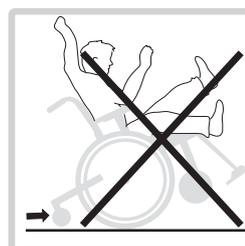
Securing



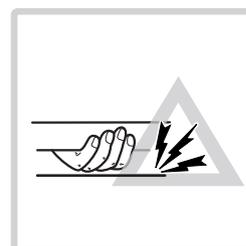
Do not lift the chair by the armrests



Do not lift the chair by the legrests



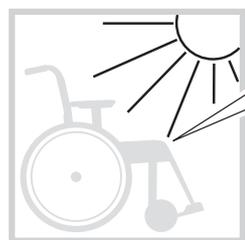
Risk of tipping:  
Always have the anti-tips down when in motion



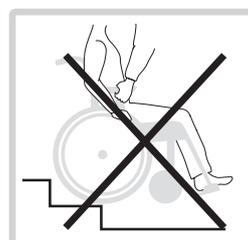
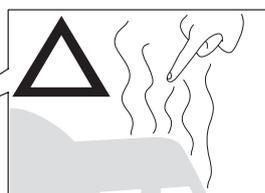
Pinch point hazard

## General warnings

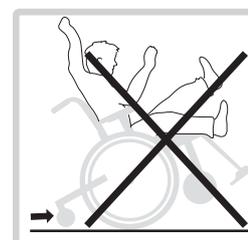
The following should be taken into account in any use of the product.



Bright sunlight can heat up parts of the wheelchair and cause burns



Do not lift the chair by the legrests



Risk of tipping:  
Always have the anti-tips down when in motion



After adjusting seat height, centre of balance, backrest angle or backrest upholstery, the anti-tips function must always be checked.

# User manual

## Transportation in vehicles

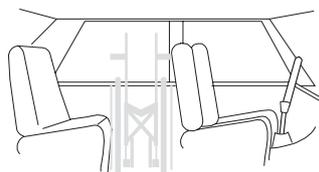
Etac's wheelchairs are tested in accordance with ISO 7176-19 (see "Tests and guarantees" section in the manual).

Etac recommends in the following order:

1) The user transfers to a seat in the vehicle and uses the vehicle's 3-point belt while travelling. The wheelchair is then placed in the boot or safely in the back seat so that it cannot overturn or roll.



- If possible, the wheelchair should be placed in the boot.
- If the wheelchair is placed in the back seat, make sure it can not overturn or roll. If possible secure the wheelchair with the car's safety belt.



2) The wheelchair is secured facing forwards in the vehicle as per this manual, the user uses a separate 3-point belt that is secured in the vehicle. This is the way in which the wheelchair is tested and approved.

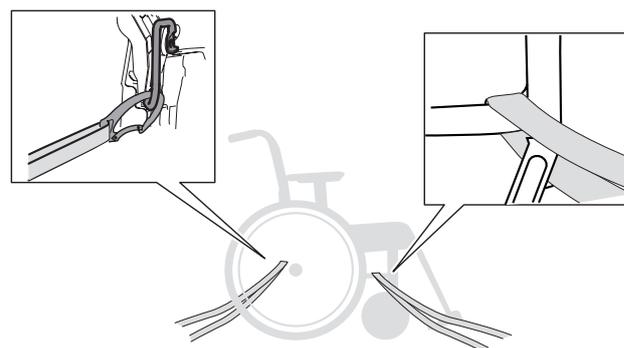
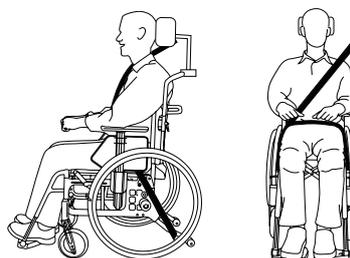
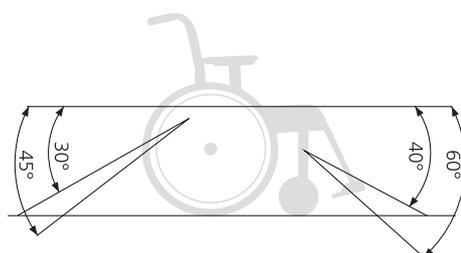
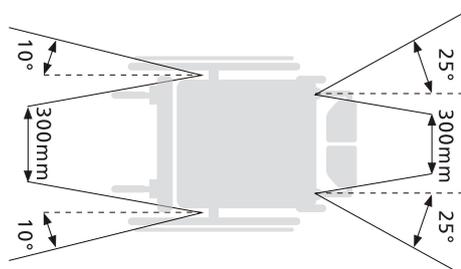


### Securing

- Securement points rear must be used.
- Restraining device must not be put through the wheels or around the back tubes.



- The parking brake must be used.
- The anti-tips must be lowered.
- Accessories/parts that can be removed without tools, shall be removed and secured.
- A correctly adjusted headrest shall be used.
- The backrest shall be level with or above the user's shoulders.
- Cross brace must be used.
- Rear wheels must have handrims.



3) According to directive 2001/85/EC, appendix VII, point 3.8.3. there are specially marked wheelchair locations in vehicles that permit transport with a wheelchair facing in the opposite direction of travel. If this means of travel is used, the user/carer must be aware while travelling, prepared for sudden movements and have the capacity to maintain a safe sitting position throughout the entire journey. The user's disabilities must not be of such an extent that he/she is not able to hold onto the handles fitted in the vehicle when there are changes of speed or direction.



- The parking brake must be used.
- The anti-tips must be lowered.
- Accessories/parts that can be removed without tools, shall be removed and secured.
- A correctly adjusted headrest shall be used.
- The backrest shall be level with or above the user's shoulders.
- Positioning belt must be used.

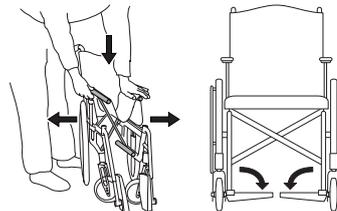
# User manual

## Handling



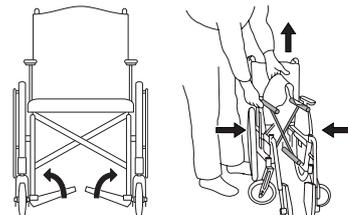
### Unfolding

- Push down on one side of the seat frame, using the whole of the flat of the hand.
- Do not hold the seat frame tube while unfolding as there is a risk of pinching your fingers.
- Lower the footrests.



### Folding

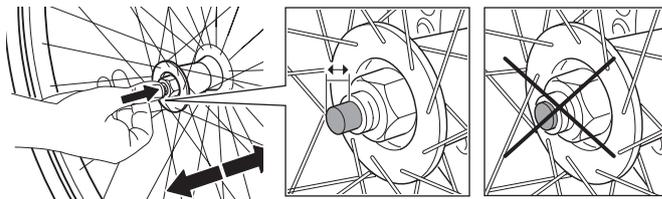
- If a bow handle and/or cross brace is mounted they should be removed.
- Flip up the footrests.
- Lift up the seat.



### Rear wheel with quick release

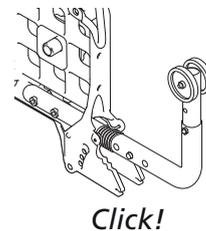
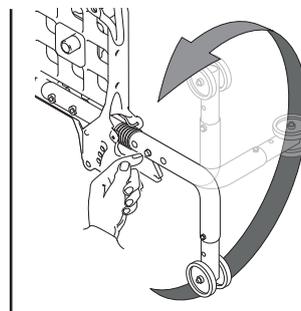
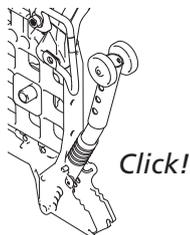
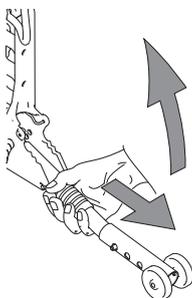


When assembling, always check so that the quick release button pops out to the original position.

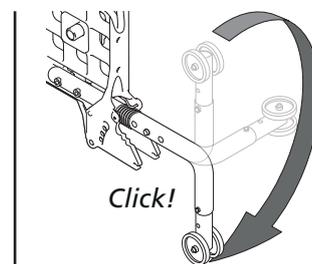
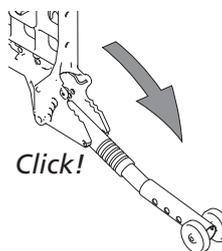


## Anti-tips

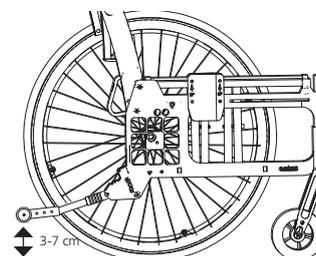
- The anti-tips can be flipped up.



- Ensure the locking function works properly when activating the anti-tip.



- After any adjustments on your wheelchair, always ensure that you check the function of the anti-tips. If necessary to adjust, please contact your dealer or your Technical Aids Centre.



# User manual

## Legrest

The legrests can be removed/swung to the side if needed. Lockable legrests by pushing the red button (A).

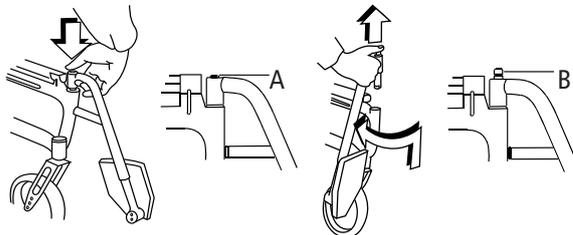
To fasten the lockable legrests press down on the red button (A), put the legrest into place and release the button. The legrest is now locked (B).



Before lifting the wheelchair, check that the legrests are locked.



For lifting a wheelchair without lockable legrests: Swing in the legrests under the seat, or remove them, and lift using the frame (lower or upper part).



## Push handles/bow handle, height adjustable

Loosen the knobs (A). Set desired height. Ensure that the push handles are locked in the correct position, tighten the knobs.



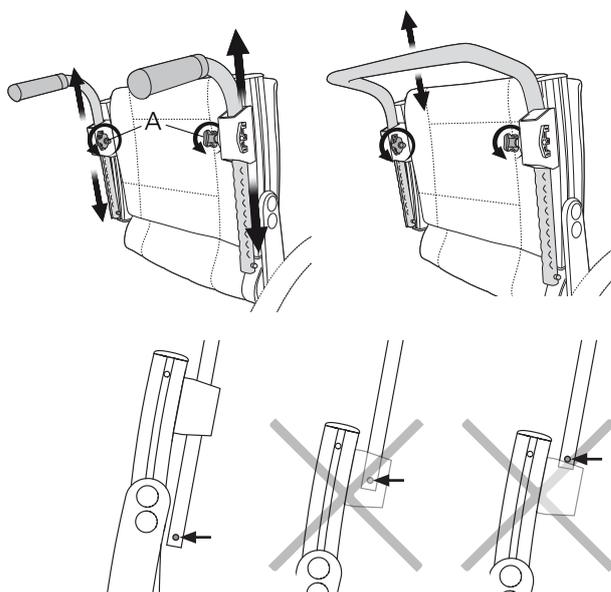
Ensure that the knobs are properly tightened. This is especially important if the chair is to be lifted with the user sitting in it.



Make sure the safety button pops out below the bracket.

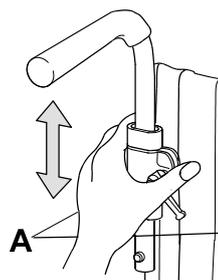


The bow handle must be removed before the chair can be folded.

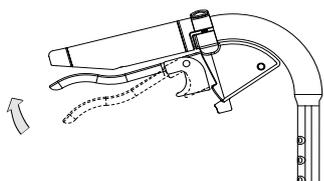


## Backrest mod. 2

Loosen the knob (A) and press the red plastic washer. Then as above.

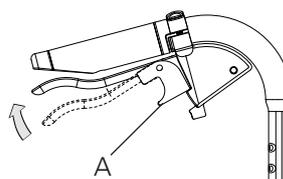


## Cross drum brake (service brake)



- Brake while in motion by pulling the brake lever upwards.

## Cross drum brake (parking brake)



- Activate the parking brake by pulling the brake lever upwards and pressing in button A.
- Release by pressing the lever upwards.

# User manual

## Settings seat comfort

### Seat comfort

Good seating comfort depends on the needs and possibilities available to each individual. The following general guidelines here show what to consider when settings are made.

Select a seat cushion with care. Aside from comfort, it has an impact on stability and thereby freedom of movement. Seat cushions also have different pressure distribution

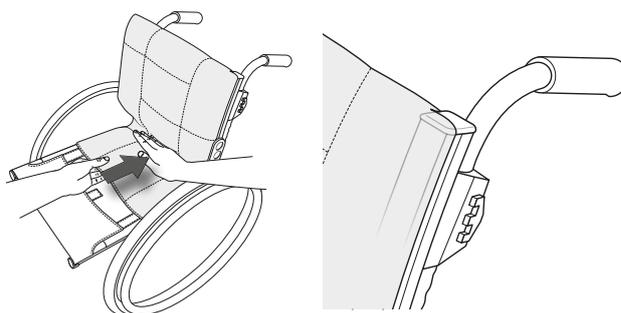
qualities.

The backrest setting is a combination of angles, height and shape. This is why the angle settings and height for

the backrest may need to be adjusted when the backrest cover is being adjusted.

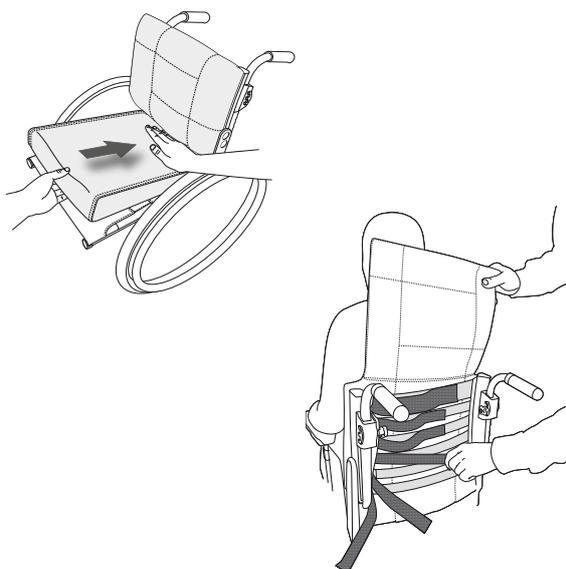
### Backrest cover

- Loosen all back straps, but make sure that the Velcro is still stuck together.
- Place the backrest cover so that it covers the upper edge of the back rails and forms a crease between the seat and the backrest allowing the user to properly sit in on the seat.



### Seat cushion

- Make sure that the correct seat depth is set.
- Position the cushion as far back on the seat so that the rounded corners end up between the back rails.
- Measure a suitable seat cushion length and cut it according to supplied instructions.
- A more contoured seat cushion can be obtained by using a comfort wedge which is placed in the cushion cover's pocket under the seat cushion.



### Backrest upholstery

The backrest upholstery is adjusted with the user sitting in the wheelchair.

- Make sure the user is sitting as far back in the seat as possible.
- Support the pelvis by tightening the strap found just below the lumbar region.
- Then adjust the upper strap to provide the user with upper body support and balance.
- The other straps are adjusted to provide space for the user's posterior and follow the back's natural curvature.



Risk of tipping: Always check the setting of the the anti-tips.



Do not overtighten the upper straps as this can prevent the cross-brace from unfolding properly, i.e. the seat-frame tubes do not sit flush in the sideframes.

### Backrest angle

The backrest angle may need to be adjusted when adjusting the shape of the backrest upholstery. Contact your dealer or your Technical Aids Centre.

# User manual

## Settings seat comfort

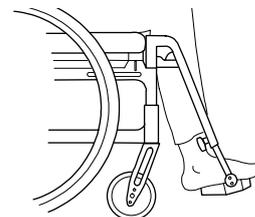
### Footrests

Adjust the height until you are sure that your feet are supported and your thighs are resting on the cushion.

For outdoor use the footrests should be raised 4-5 cm above the ground.

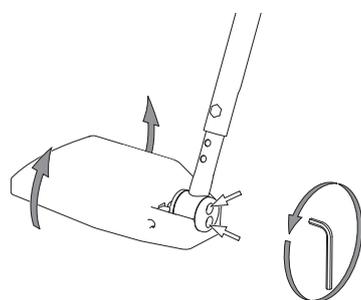


Never stand on the footrests as there is a risk of tipping!



### Adjusting the angle

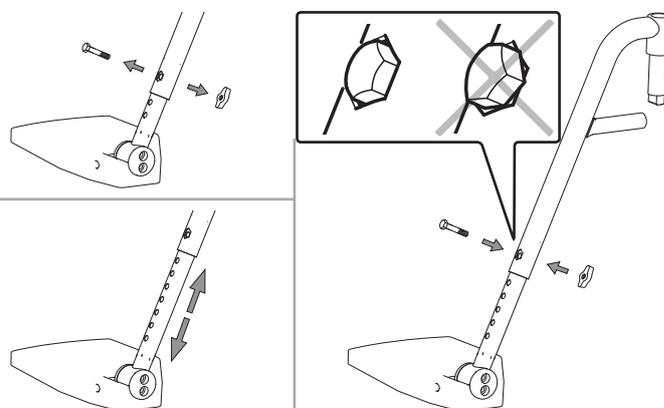
Adjust the footrest angle, so the ankles are at 90°.



5 mm

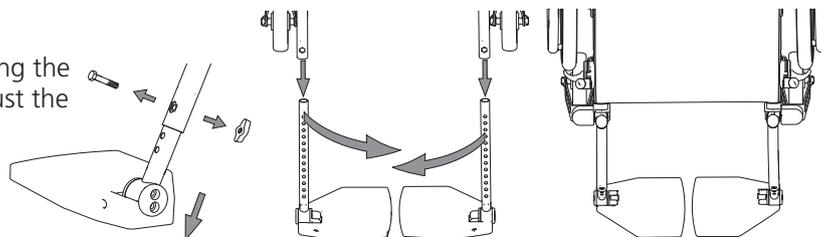
### Adjusting the height

Loosen the knob and pull out the screw. Set the height. Assemble the screw and knob and tighten firmly.



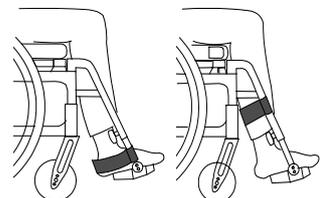
### Changing the depth of the foot supports

Adjust the depth of the foot supports by switching the right and left foot support. Do not forget to adjust the angle.



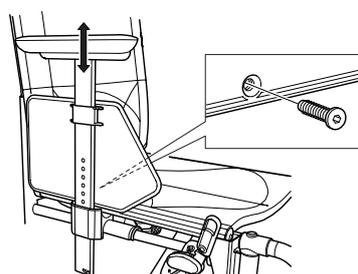
### Calf/heel strap

- Adjust the length so that your insteps rest on the footrests.



### Armrest (adjusting)

- Loosen the screw on the inside of the armrest plate.
- Set the required height and tighten the screw.
- The high position of the armrests supports and relieves pressure on the back better than a lower position.



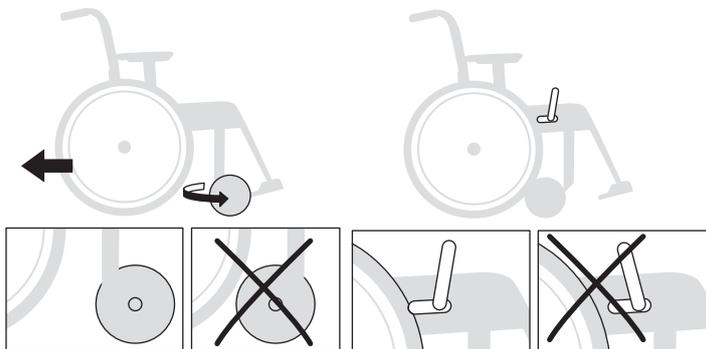
3 mm

# User manual

## Driving technique, maneuvering

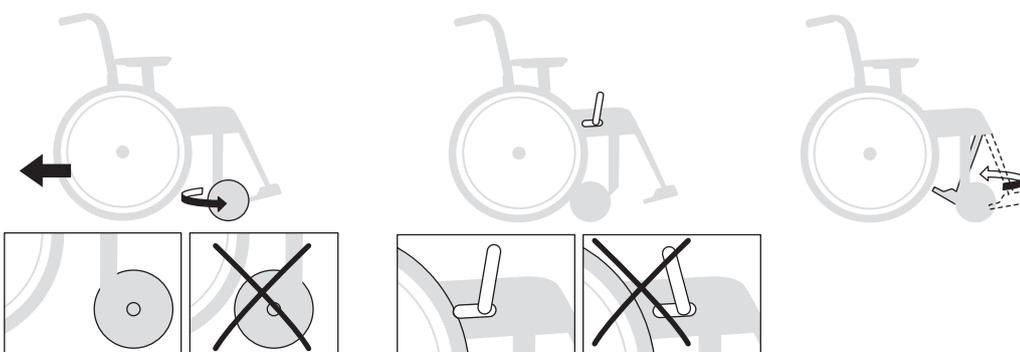


### Parking



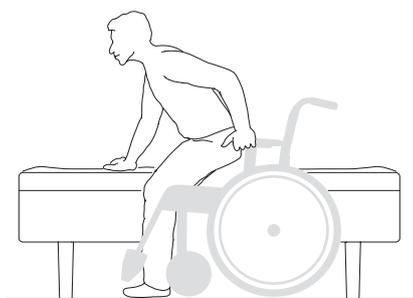
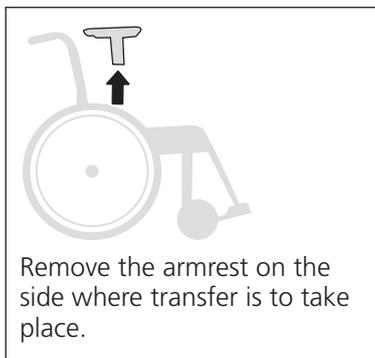
 Never park on a slope with a user in the wheelchair.

### Transferring into/out of the wheelchair

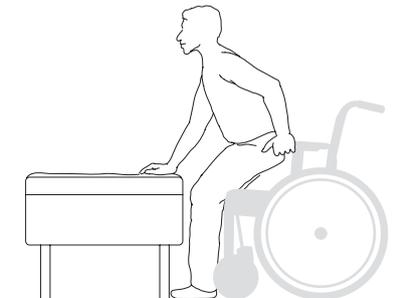


 Never stand on the footrests as there is a risk of tipping!

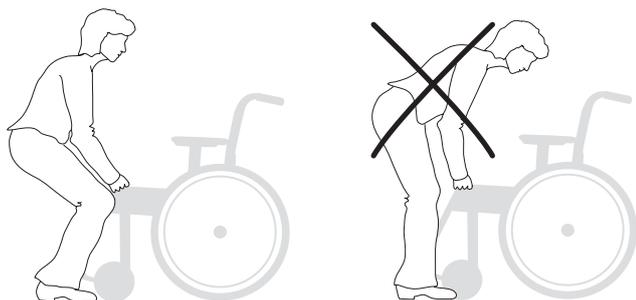
### Sideways



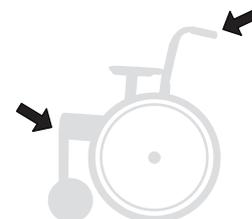
### From the front



### Lifting the wheelchair



- Ensure that the vertically adjustable push handles are properly tightened.
- Swing non-lockable legrests in under the seat and lift the wheelchair by the front upper part of the frame.



# User manual

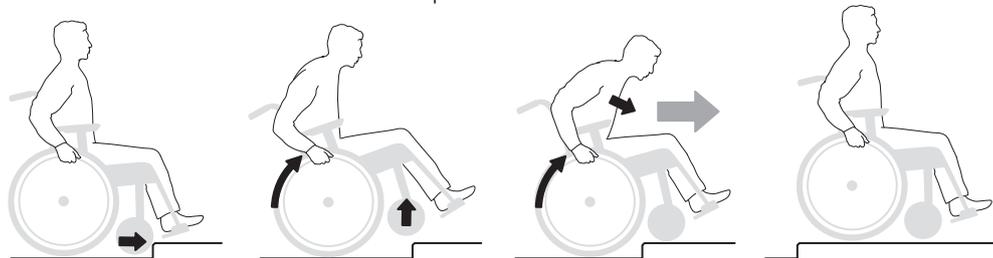
**!** The following figures show principles for propelling techniques and how to overcome obstacles like steps and curbs.



## User, up forwards

This technique is recommended only for experienced wheelchair users.

– Ensure that the anti-tips are deactivated.



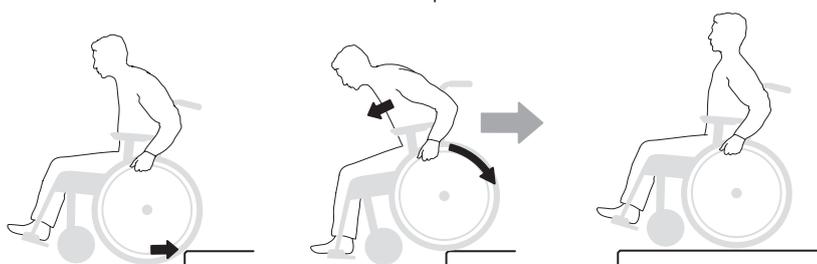
Activate the anti-tips afterwards!



## User, up backwards

This technique only works if there is a low kerb/threshold, relative to the installed height of the footrests.

– Ensure that the anti-tips are deactivated.



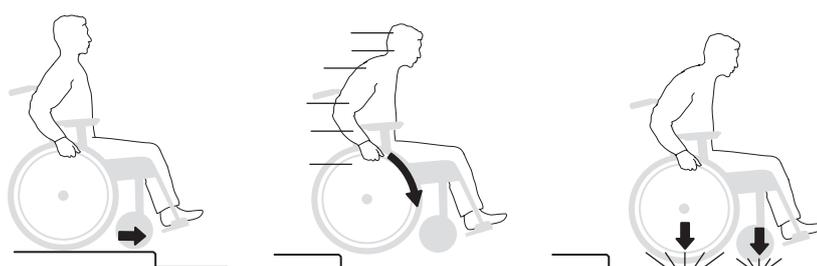
Activate the anti-tips afterwards!



## User, down forwards

This technique is recommended only for experienced wheelchair users.

– Ensure that the anti-tips are deactivated.



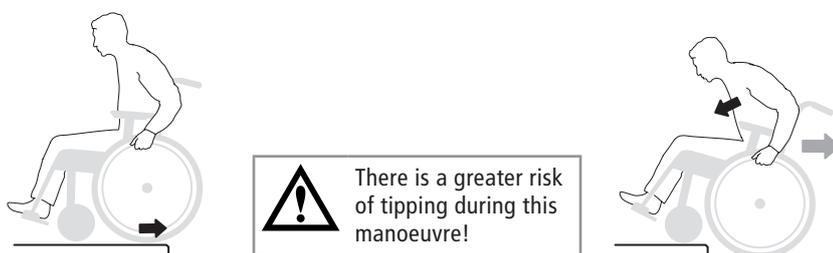
Activate the anti-tips afterwards!



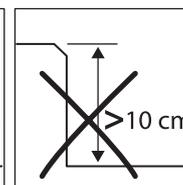
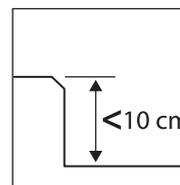
## User, down backwards

This technique is recommended only for experienced wheelchair users.

– Ensure that the anti-tips are deactivated.



There is a greater risk of tipping during this manoeuvre!



Activate the anti-tips afterwards!

# User manual



## Care giver, up forwards

– Ensure that the anti-tips are deactivated.

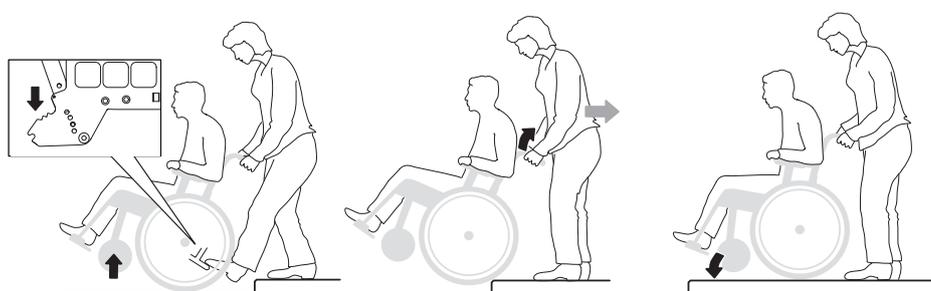


Activate the anti-tips afterwards!



## Care giver, up backwards

– Ensure that the anti-tips are deactivated.

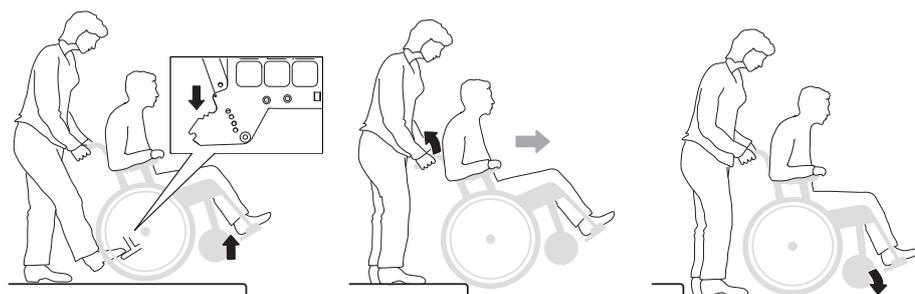


Activate the anti-tips afterwards!



## Care giver, down forwards

– Ensure that the anti-tips are deactivated.

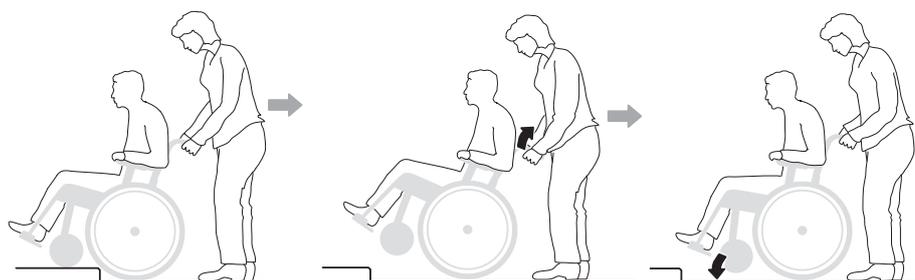


Activate the anti-tips afterwards!



## Care giver, down backwards

– Ensure that the anti-tips are deactivated.



Activate the anti-tips afterwards!

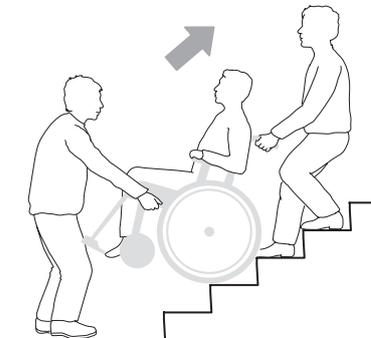
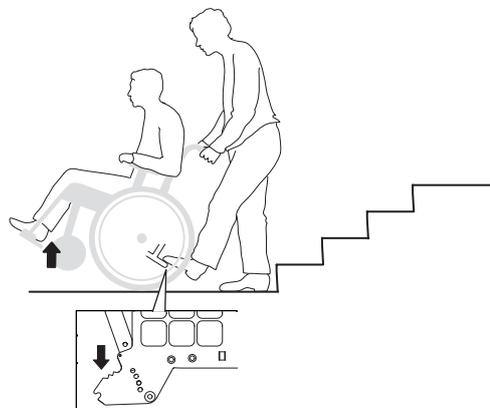
# User manual



## Stairs, up

– Ensure that the anti-tips are deactivated. Never use an escalator, even if a care giver is available. Ensure that height adjustable push handles are tightened.

We always recommend using two carers for this transfer. One who walks behind and holds on to the push handle and one who walks in front and holds on to the frame (or in the legrests if these are lockable).



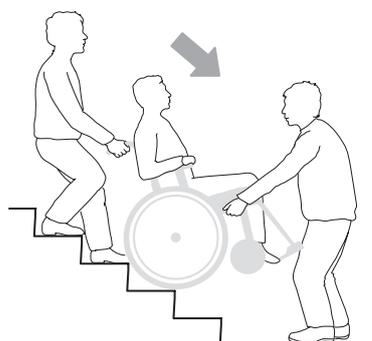
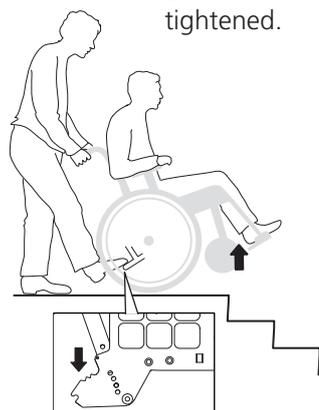
Activate the anti-tips afterwards!



## Stairs, down

– Ensure that the anti-tips are deactivated. Never use an escalator, even if a care giver is available. Ensure that height adjustable push handles are tightened.

We always recommend using two carers for this transfer. One who walks behind and holds on to the push handle and one who walks in front and holds on to the frame (or in the legrests if these are lockable).



Activate the anti-tips afterwards!



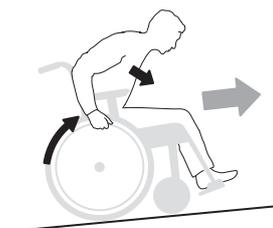
## Ascending/descending hills

Control your speed using the handrims, not the brakes!

Avoid turning round in the middle of a hill. Always drive as straight up/down as possible. If uncertain, ask for assistance.

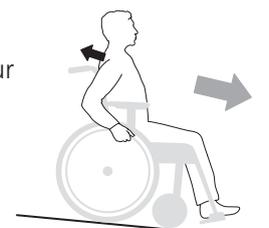
### Uphill

Lean forwards to correct your centre of balance.



### Downhill

Lean backwards to correct your centre of balance.



Activate the anti-tips afterwards!

# User manual

## Maintenance

Rear wheels: Clean quick release axles as required.

Tyre pressure: Check the tyre pressure (once/month).

Castors: Clean castor wheel axles as required.

Chassis: Clean the chassis with non-abrasive detergent, pH value 5-9 or with 70 % disinfectant solution. Rinse and dry.

Upholstery: Wash, see labels on each item.

In the event of problems, contact your dealer or Technical Aids Centre.



If necessary, lubricate moving parts/joints with cycle oil or similar.

## Fault-finding chart

|  |   |
|--|---|
| The wheelchair is pulling diagonally   | <ul style="list-style-type: none"> <li>• Pump up the tyres</li> <li>• Check and adjust the angle of the front fork attachments</li> <li>• Check that the front fork attachments are set at the same height</li> <li>• The user's weight is not evenly distributed in the wheelchair</li> <li>• More strength being used on one side than the other when propelling the chair</li> </ul> |
| The wheelchair feels "heavy" to propel | <ul style="list-style-type: none"> <li>• Pump up the tyres</li> <li>• Rear wheel mountings are incorrectly fitted</li> <li>• Clean the castor axles from hair and dirt</li> <li>• Too much weight over the castors. Adjust the centre of balance</li> </ul>   |
| The wheelchair feels "heavy" to turn   | <ul style="list-style-type: none"> <li>• Pump up the tyres</li> <li>• Check that the front fork attachments are not too tight</li> <li>• Check and adjust the angle of the front fork attachments</li> <li>• Clean the castor axles from dirt</li> <li>• Too much weight over the castors. Adjust the centre of balance</li> </ul>  |
| Brakes not effective                   | <ul style="list-style-type: none"> <li>• Pump up the tyres</li> <li>• Adjust the distance between brake and tyre</li> </ul>   |
| Rear wheels "loose"                    | <ul style="list-style-type: none"> <li>• Adjust the length of the axle shaft</li> </ul>   |
| Rear wheels hard to remove/re-place    | <ul style="list-style-type: none"> <li>• Clean and lubricate quick release with cycle oil or similar</li> <li>• Adjust the length of the axle shaft</li> </ul>  |
| The castor wheels "wobble"             | <ul style="list-style-type: none"> <li>• The front forks are not tight enough</li> <li>• Check and adjust the height and angle of the front fork attachments</li> <li>• Too much weight over the castors. Adjust the centre of balance</li> </ul>   |
| The wheelchair is hard to fold/unfold  | <ul style="list-style-type: none"> <li>• The upholstery is too tight</li> <li>• Clean and lubricate the cross-brace under the seat</li> </ul>   |
| The wheelchair feels "awkward"         | <ul style="list-style-type: none"> <li>• Pump up the tyres</li> <li>• Check that screws, nuts and bolts are properly tightened</li> </ul>   |

## 6. Settings backrest 3A

Cross 5

Cross 5 XL

### Adjusting back support angle, mono- bi- and triangular back

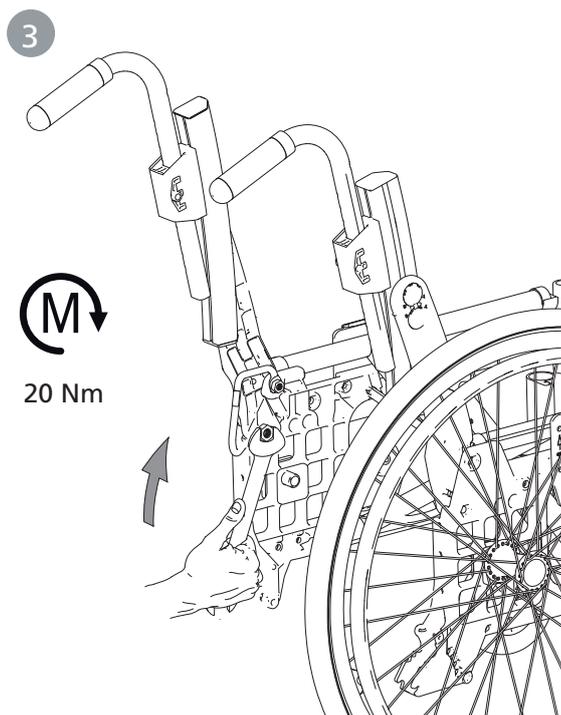
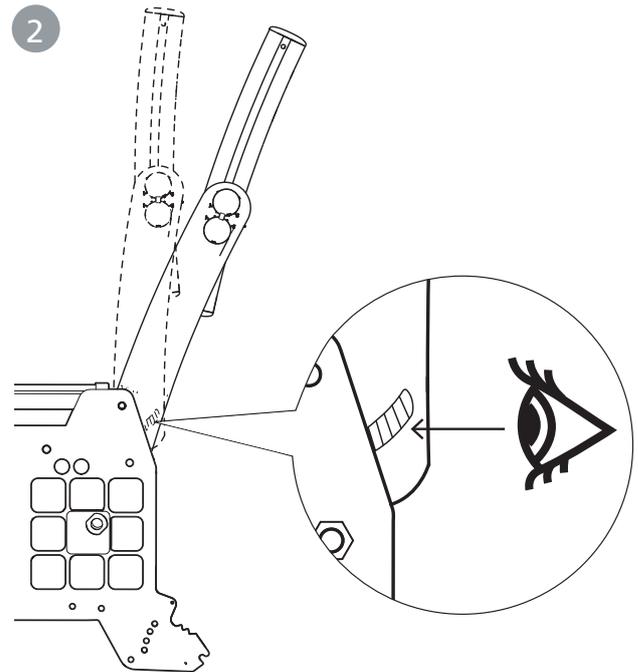
1. Loosen the nut.

2. Adjust the backrest angle. Use the position markings to obtain the same backrest angle on the right and left sides respectively.

3. Tighten the nut.



Risk of tipping: Always check the setting of the anti-tips.



## 6. Settings backrest 3A

Cross 5  
Cross 5 XL

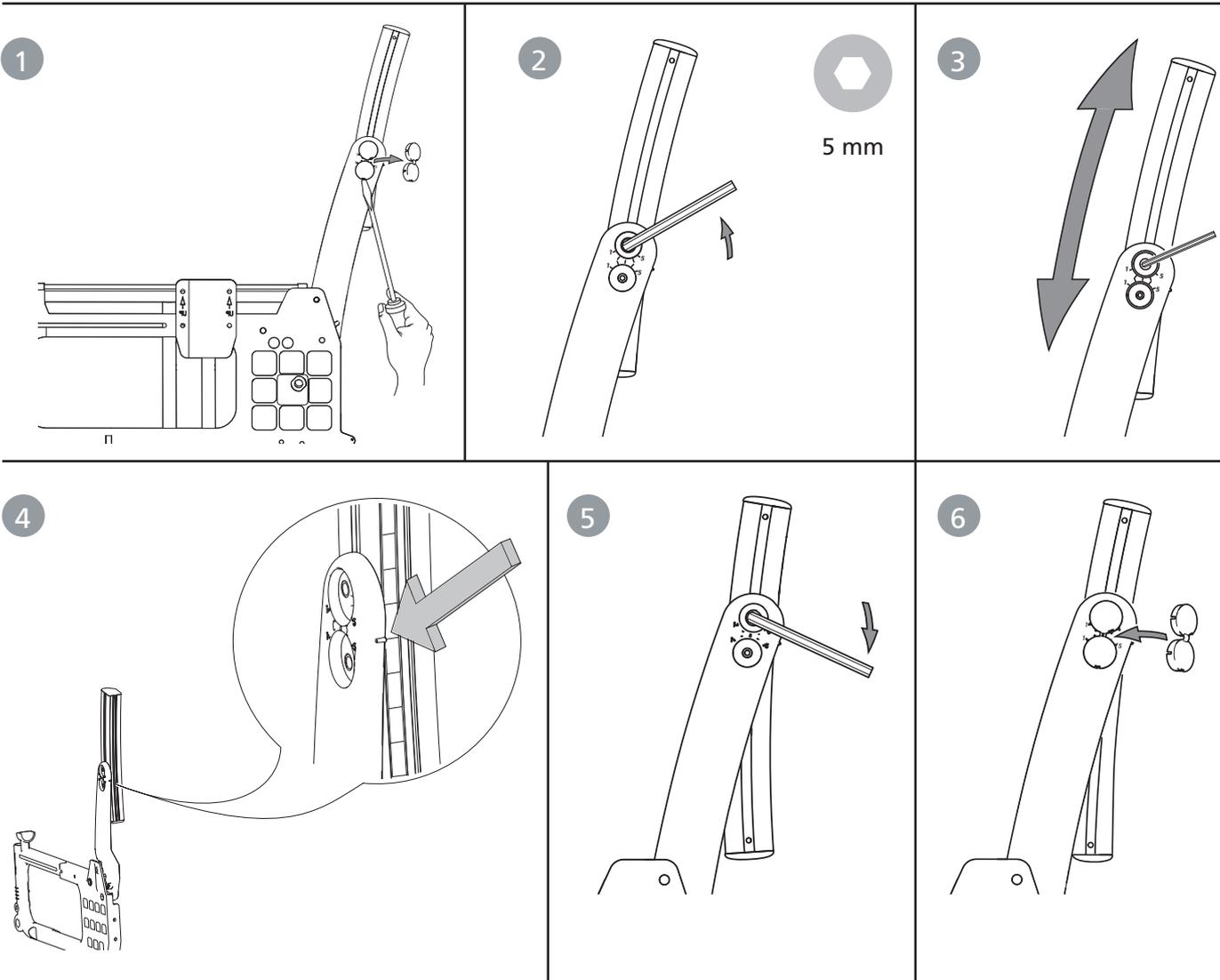
### Adjusting the backrest height, monoangular back

1. Remove the protective cover.
2. Loosen the locking screw max. 1 turn.
- 3-4. Adjust the back support height using the graduation and marking on the lower back rod.

5. Tighten the locking screw.
6. Fit the protective cover.



Risk of tipping: Always check the setting of the anti-tips.



## 6. Settings backrest 3A

Cross 5

Cross 5 XL

### Adjusting the backrest height and lumbar angle, biangular back

1-2. Remove the protective cover and loosen the locking screw (A) max. 1 turn (see also illustration 1 on page 32).

3. Adjust the back support height using the graduation and the marking on the lower back rod.

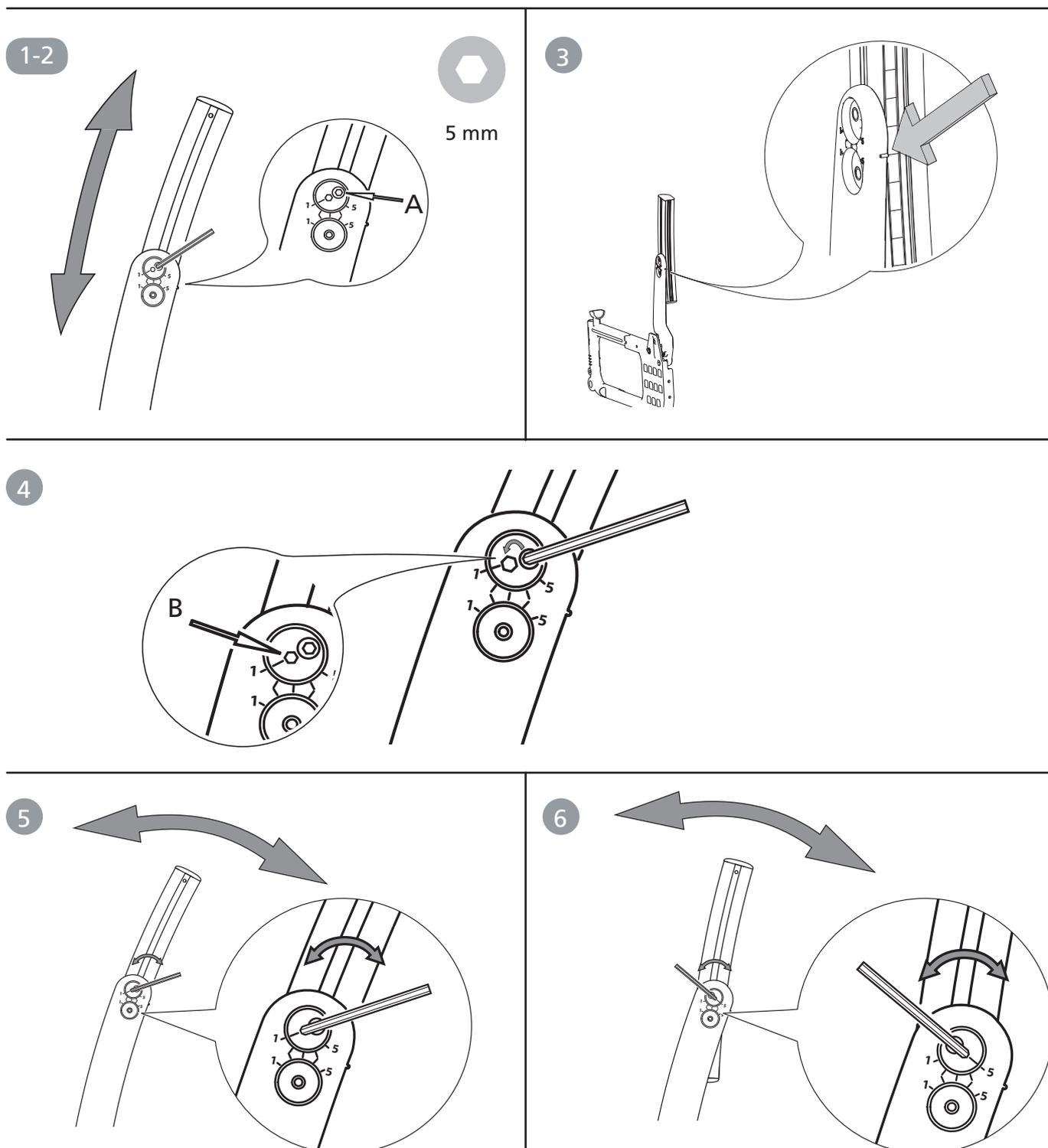
4. Move the Allen key to the eccentric shaft's key handle (B).

5-6. Set desired lumbar angle.

7. Tighten the locking screw and fit the protective cover as in illustration 5-6 on page 32.



Risk of tipping: Always check the setting of the the anti-tips.



## 6. Settings backrest 3A

Cross 5

Cross 5 XL

### Adjusting the backrest height and lumbar angle, triangular back

1-2. Remove the protective cover and loosen the locking screws (A) max. 1 turn (see also illustration 1-2 on page 32).

3. Adjust the back support height using the graduation and the marking on the lower back rod. Tighten the locking screws max. 1/2 turn.

4. Place the Allen key in the selected (upper recommend-ed) eccentric shaft's locking screw and loosen it 1/2 turn. Move the Allen key to the eccentric shaft's key handle and set the required lumbar angle.

5. Tighten the locking screws and fit the protective cover as in illustration 5-6 on page 32.

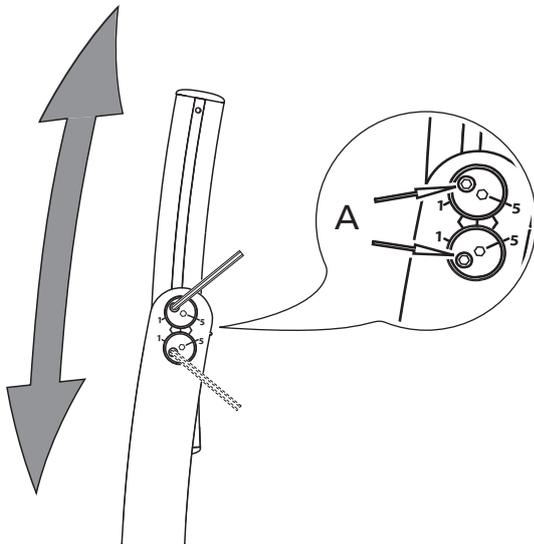


We recommend that you start adjusting the lumbar angle with the upper eccentric shaft. If a larger angle is required, adjust the lower eccentric shaft as well.



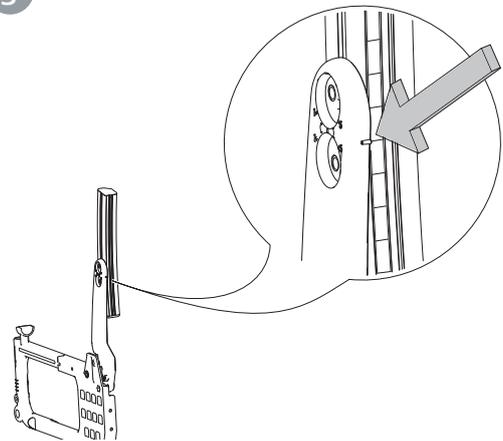
Risk of tipping: Always check the setting of the the anti-tips.

1-2

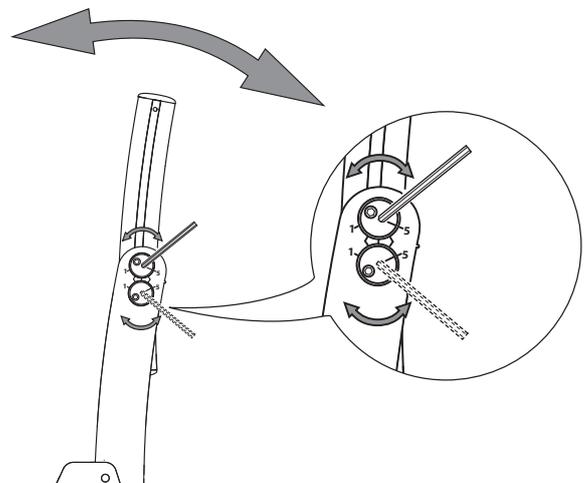
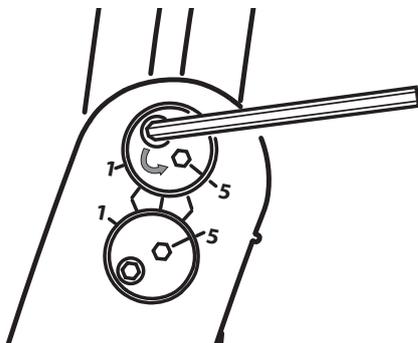


5 mm

3



4



## 6. Settings backrest 3A

Cross 5

Cross 5 XL

### Adjusting seat depth using lumbar angle, triangular back

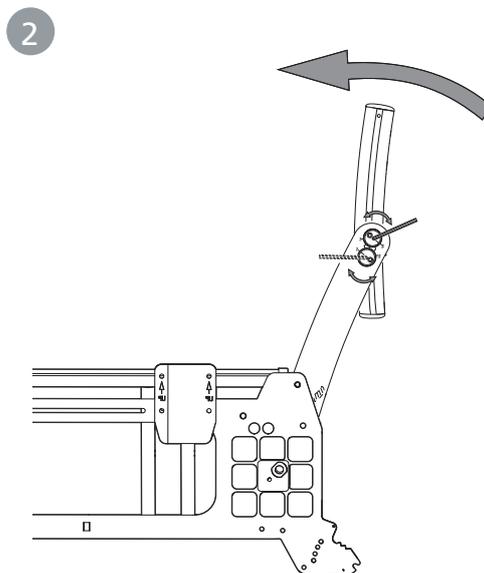
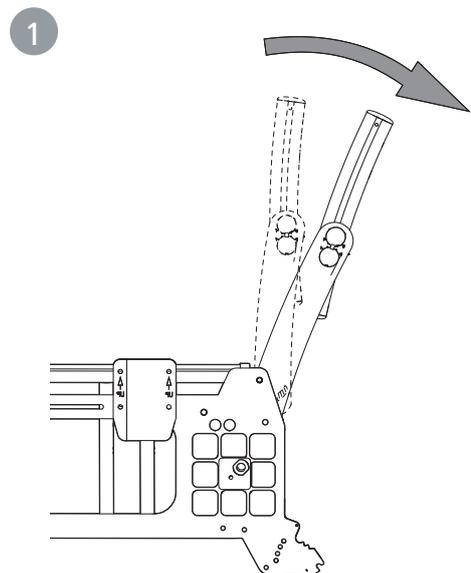
An extended seat depth is achieved by opening the back support angle (hip) and then the lumbar angle.

1. Adjust the back support angle (see also illustration 1-3 on page 32).
2. Adjust the lumbar angle to the required backrest angle using the eccentric shafts as in point 4-5 on page 34.

3. If necessary fit seat extender (accessory)..

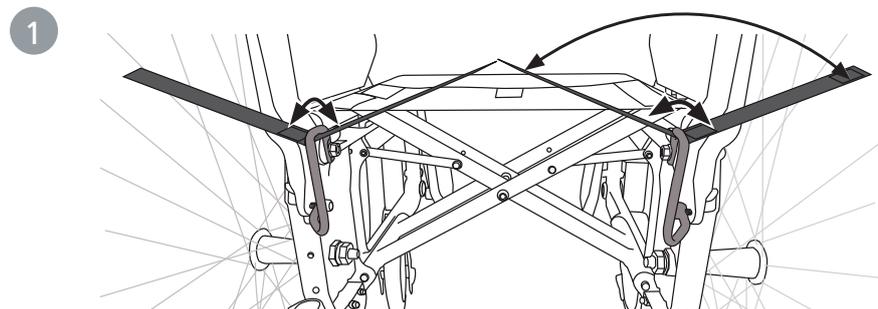


Risk of tipping: Always check the setting of the the anti-tips.

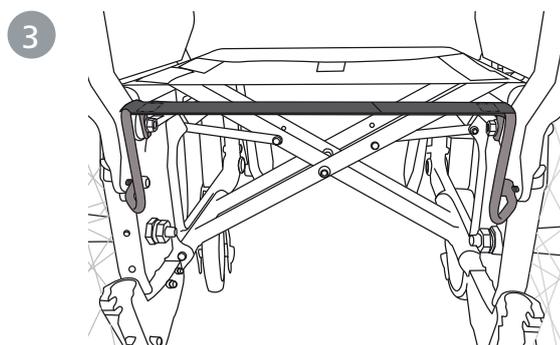
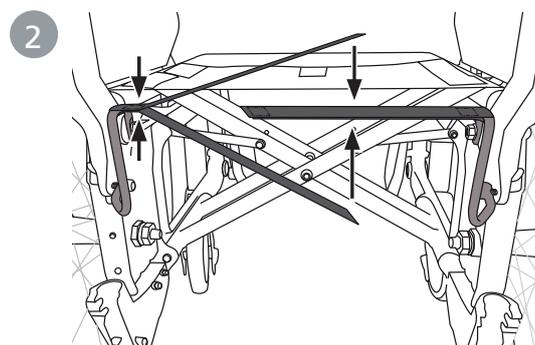


5 mm

### Fitting seat extender



Risk of tipping: Always check the setting of the the anti-tips.



## 7. Settings backrest mod. 2

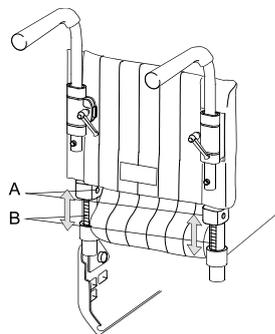
Cross 5

Cross 5 XL

### Setting backrest height

The backrest height is continuously settable (See "The chairs possibilities").

Loosen the screws (A) 2-3 turns to set the height of the backrest. Ensure that both sides are at the same height by checking against the ruler (B) on the back of the back tube. Tighten the screws securely.



5 mm

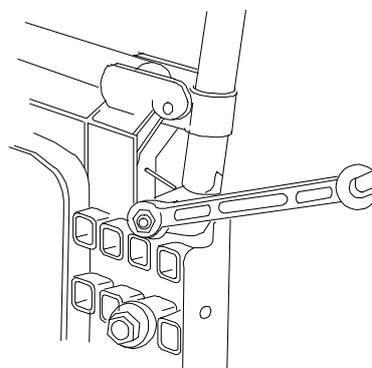


Risk of tipping: Always check the setting of the the anti-tips.

### Adjusting backrest angle

The backrest angle is infinitely variable (See "The chairs possibilities"). The angle is adjusted using the nut on the inside of the rear wheel attachments.

- Loosen the nut on one of the back tubes, set the desired angle and tighten the nut firmly again.
- Repeat the procedure on the other side.



13 mm



Check that the angle is the same on both sides by comparing the distance between the back tube and the armrest plate.

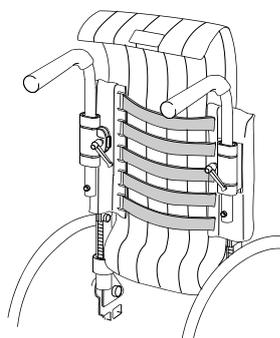


Risk of tipping: Always check the setting of the the anti-tips.

### Adjusting backrest upholstery

The contour of the backrest upholstery is individually adjustable by using the five Velcro straps and the backrest cover.

- Allow the cover plenty of room between seat and backrest, so that it is possible to "sit in" against the backrest.
- Loosen all the straps and ensure that the user is sitting as far back in the seat as possible.
- Tighten the straps in such a way that they follow the contours of the user's back and give plenty of support to the lumbar region.



Do not overtighten the upper straps as this can prevent the cross-brace from unfolding properly, i.e. the seat-frame tubes do not sit flush in the sideframes.



Risk of tipping: Always check the setting of the the anti-tips.

## 8. Readjustments

Cross 5

Cross 5 XL

### Brake, adjustment

The brakes are infinitely settable.

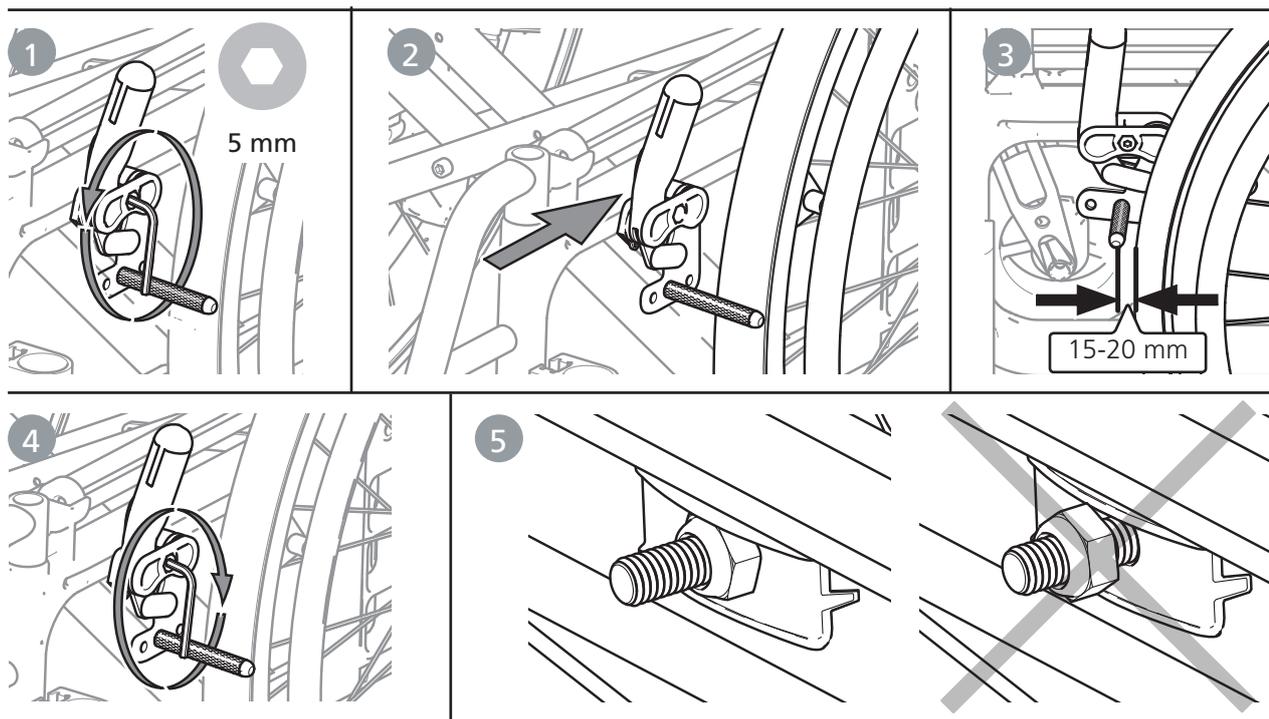
1. Loosen the screw a couple of turns.
2. Set the brake in correct position.
3. The brake block should be 15-20 mm from the tyre when the brake is not applied.

4. Ensure that the brake is straight in the groove and tighten the nut. Test the brakes.

5. Ensure the nut locks on the inside.



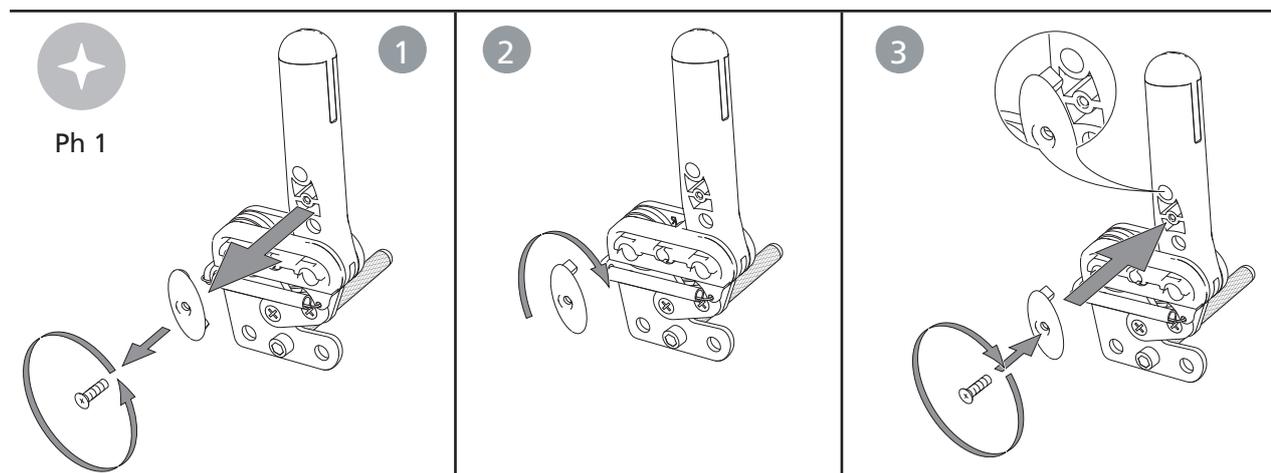
The braking effect is dependent on the air pressure in the tyres. The brakes are parking brakes and should not be applied during use.



If the rear wheel is positioned in one of the forward settings it is possible for a legrest, when swung to the side, to unlock an applied brake. To avoid this the brake handle should be adjusted so that you attain a "neutral" position. In this way the brake will unlock first when the handle is pushed close to the rear

wheel.

1. Loosen the screw on the inside of the brake handle.
2. Remove the oval plate, turn it 180° (the pin on the plate's inside must sit in the upper hole).
3. Tighten it again.

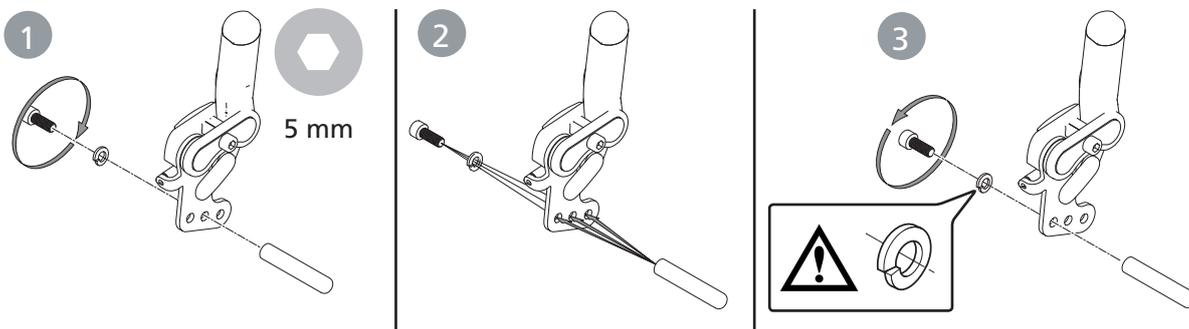


# 8. Readjustments

Cross 5

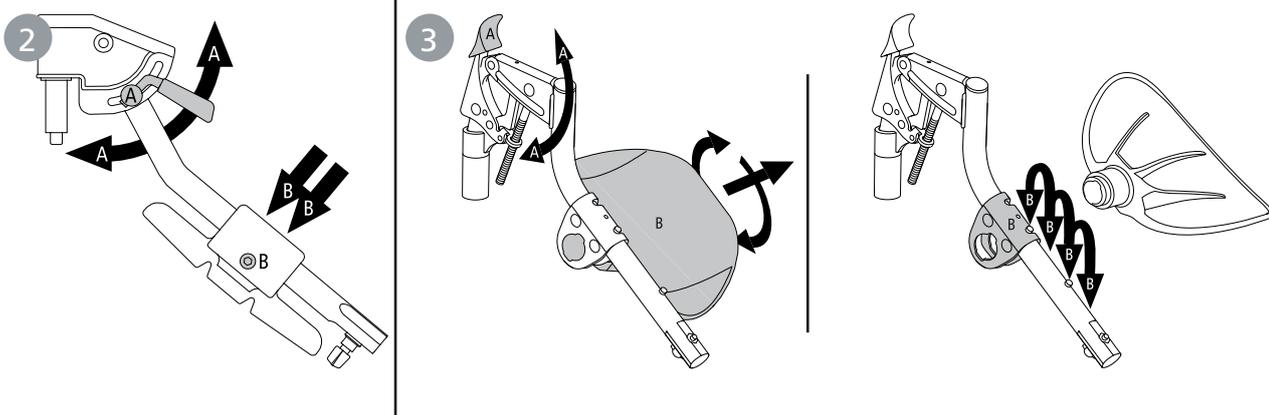
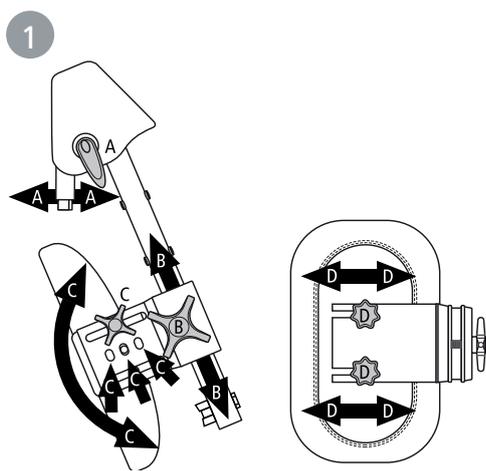
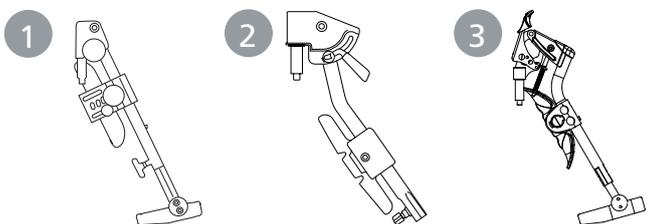
Cross 5 XL

## Adjusting the brake block



## Legrest, infinitely angle adjustable

- Never stand on the footrests as you may tip the chair! For lifting a wheelchair, swing in the legrests under the seat, or remove them, and lift using the frame (lower or upper part).
- Always have the screw and knob for footrest attached even if not using footrest.



# 8. Readjustments

Cross 5

Cross 5 XL

## Amputee legrest



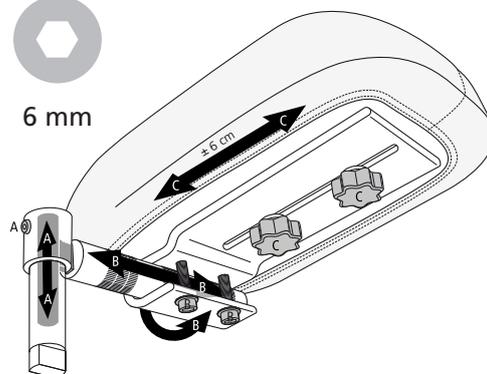
Never sit on the amputee legrest. When lifting the wheelchair, remove the amputee legrest, swing the other legrest in under the seat (or remove it) and lift using the frame (lower or upper part).



4 mm



6 mm

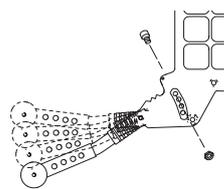


## Anti-tips

The anti-tips are settable in height and angle and adjustable in length.



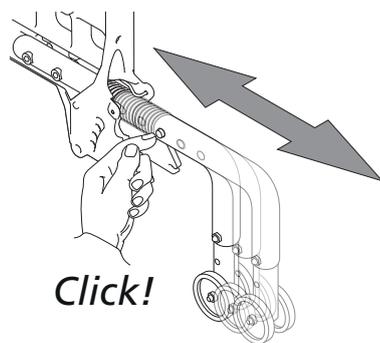
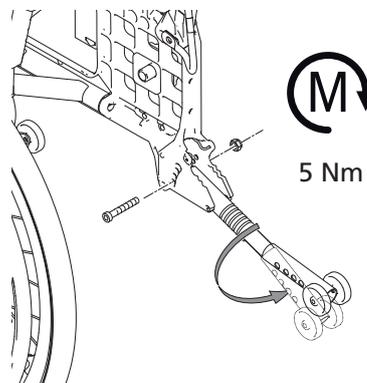
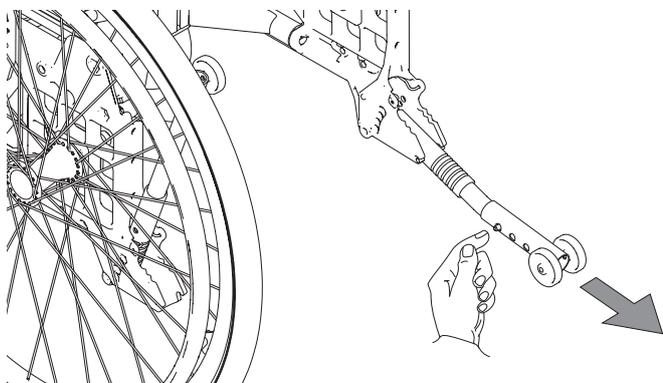
After adjusting seat height, centre of balance, backrest angle or backrest upholstery, the anti-tips function must always be checked.



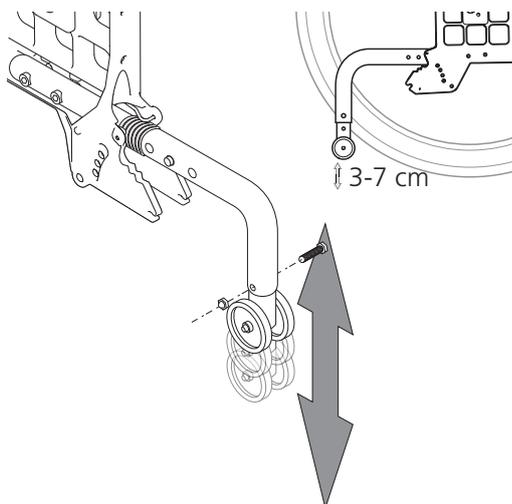
3-7 cm



5 mm



Click!



3-7 cm

## 8. Readjustments

Cross 5

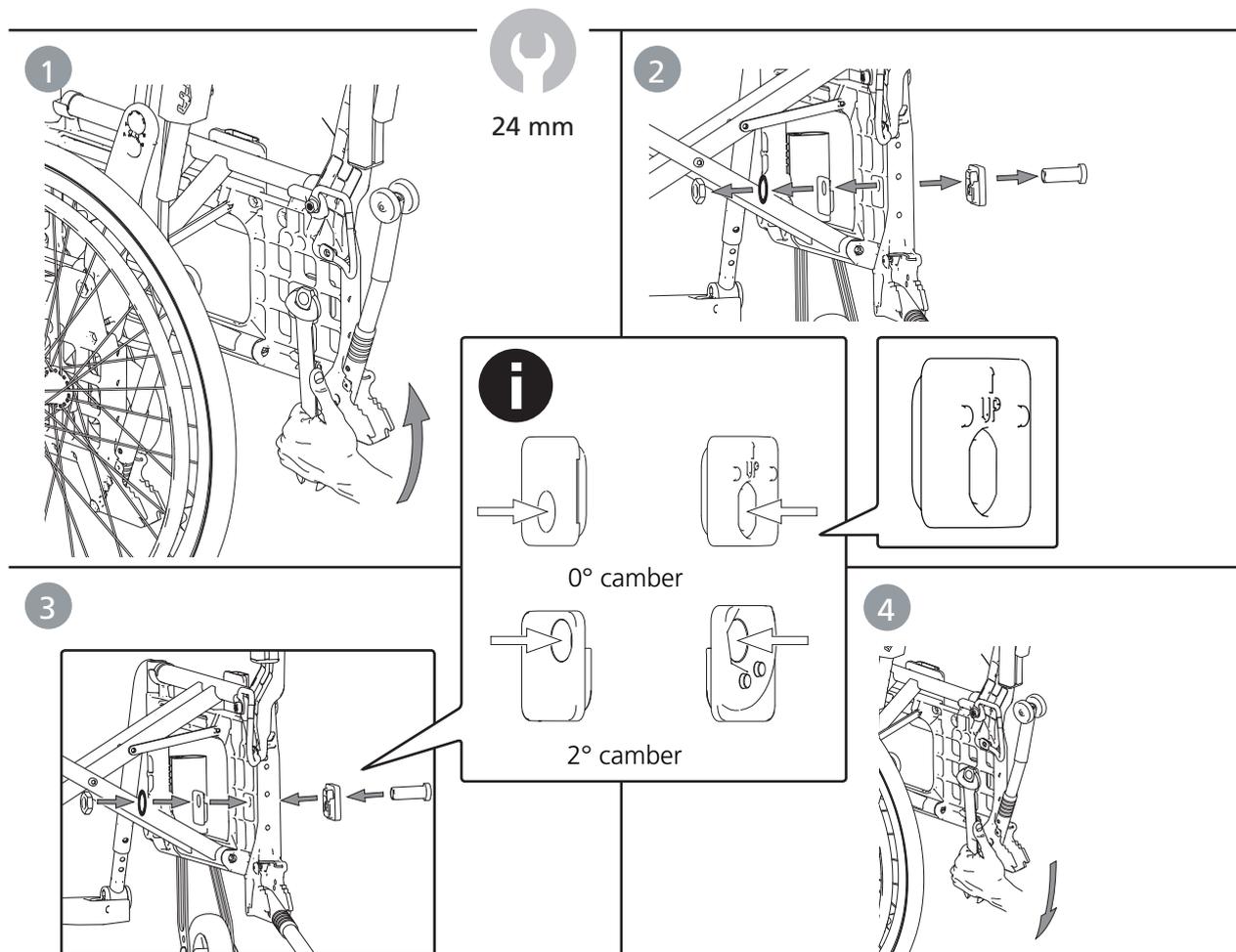
Cross 5 XL

### Changing the camber angle

The camber angle can be changed by changing the washers that are mounted between the hub sleeve and the nut.



When assembling, check so that the rear wheel axle is correctly adjusted. The button in the hub must pop out to the original position.



### Adjusting the centre of balance

The centre of balance can be adjusted by changing the position of the rear wheels.

- Move the axle shaft/rear wheels forwards/backwards.



The brakes must also be adjusted, see section "Brake, adjustment".



24 mm

When the position of the rear wheels is moved forwards the wheelchair becomes more manoeuvrable, but the tendency to tip backwards increases. See

section "Adjusting rear seat height by changing rear wheel position or rear wheel size".



The centre of balance is also altered when the seat and/or backrest angle is adjusted.



We recommend the use of anti-tips.



Ensure that rear wheels with quick release hubs are mounted securely.

## 8. Readjustments

Cross 5

Cross 5 XL

### Handrims

The way in which the user is able to grip the handrims is influenced by the handrim's material and its distance from the wheel.



Cellular rubber/ plastic coated handrims increases the friction. Violent braking can cause mild friction burns (e.g. blisters).



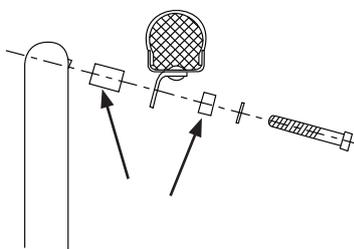
Be aware that when passing through narrow spaces there is a risk of getting your fingers caught. There is also a risk of fingers getting caught in the spokes.



If there is a risk of the user's fingers getting caught in the spokes we recommend spoke guards.

### Adjusting the distance of the handrim

Aluminium, stainless, plastic-coated and cellular rubber handrims for 24", 22" and 20" rear wheel:  
The distance between the wheel and the handrim can be adjusted by adding or removing spacers.



4 mm

## 9. Accessories - adjusting, handling

Assembly instructions are always provided with accessories when they are delivered from Etac. Instructions are also available on our website [www.etac.com](http://www.etac.com).

Cross 5

Cross 5 XL

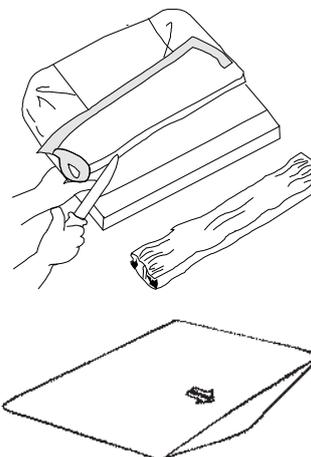
### Seat cushion and comfort wedge

The cushion is cut to the required depth at the front or back edge. When measuring the length, ensure that the cushion is properly positioned between the back tubes with the rounded corners to the rear.



The cushion is a standard model and is not suitable for users with sitting sores.

A comfort wedge is a useful accessory for the seat cushion. It evens out the front edge of the seat, giving even greater seat comfort. Place the comfort wedge in the cushion-cover's inside pocket, under the cushion. The arrow on the comfort wedge should be on the top-side pointing forwards.



### Armrest, detachable, height adjustable

The armrest attachment can be fitted in 2 different heights. In position 1 the height of the armrest is settable between 19 and 26 cm, and in position 2 (standard) between 24 and 31 cm, with 1 cm intervals.



10 mm 5 mm

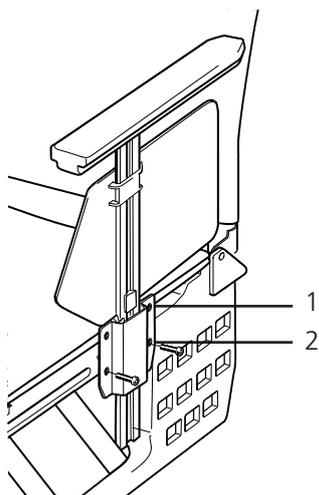
The lock lug is used both to set the height of the armrest and secure the side guard:

- Loosen the screw that fastens the lock lug.
- Slide the guard up or down to the desired height.
- Refasten the lug on the side guard.

If necessary the right armrest can be fitted on the left side and vice versa.



3 mm



Never use the armrests to lift the wheelchair.



With 24" low pressure or solid tyres in pos. C1, the armrest's sideguard does not cover the front edge of the rear wheel.

## 9. Accessories - adjusting, handling

Cross 5

Cross 5 XL

### Armrest, flip-up, height adjustable

The flip-up armrest comes in two varieties, height adjustable and fixed. It is mounted onto the wheelchair's frame and can be flipped upwards/backwards by pressing the red lever (A) inwards.

Mount the armrest according to the assembly instructions supplied.

The armrest height is settable between 22 and 30 cm with 1 cm intervals.

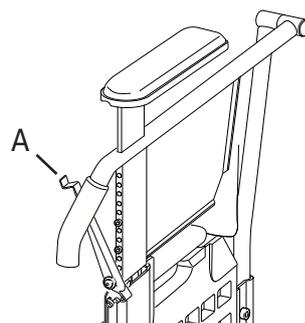
- Push the red lever to one side and loosen the screws that fix the armrest bracket to the frame.
- Slide the armrest up or down to the desired height.
- Tighten the screws again.



Never use the armrests to lift the wheelchair.



These armrests cannot be combined with cane holder or with 24" 22" or 20" rear wheels in position C.



3 mm

### Positioning belt

The positioning belt is in two parts, is adjustable in length and has a snap-lock. It is mounted in the holes just in front of the backrest joint, above the wheel mounts.

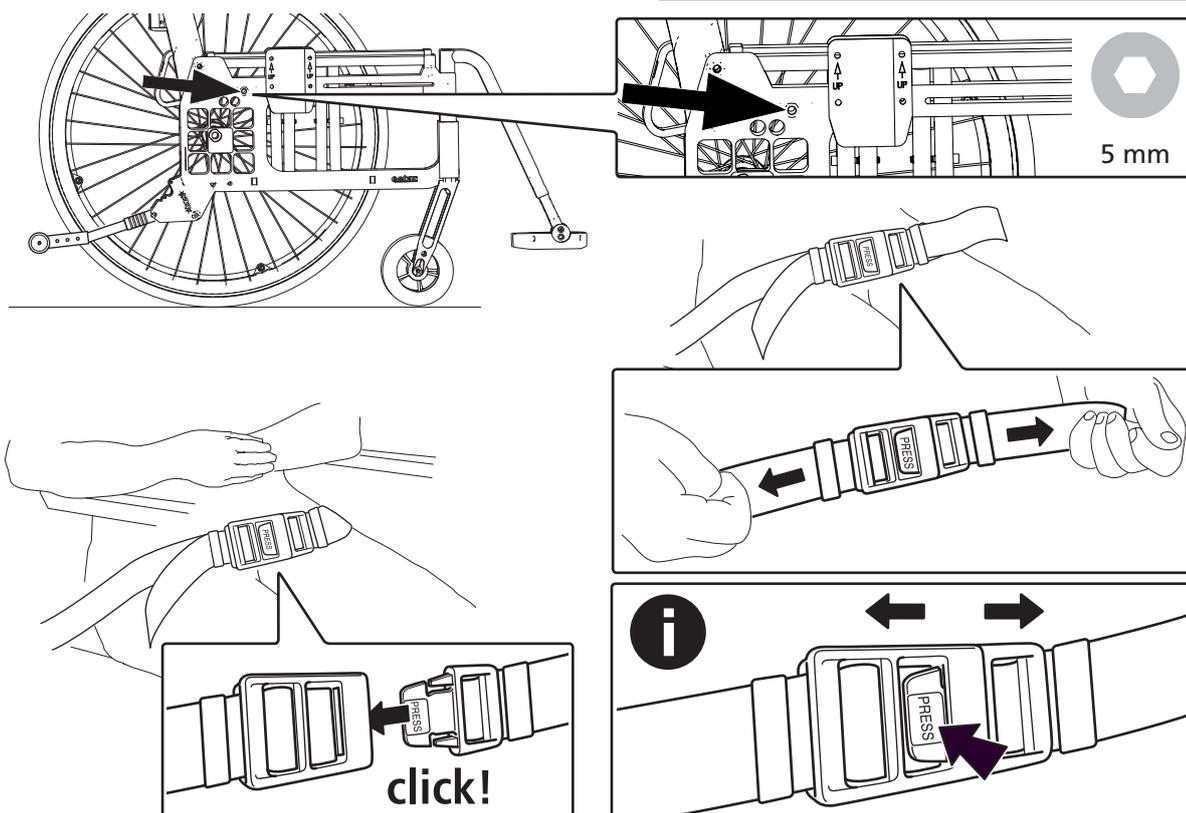
Assembly instructions are supplied with the belt.



The belt is to be used only for positioning in the wheelchair. It must not be used as a substitute for a car safety belt.



Ensure that the user does not slide forwards in the seat as this can lead to the belt impairing the supply of blood to the hip/waist area.



## 9. Accessories - adjusting, handling

Cross 5

Cross 5 XL

### Headrest

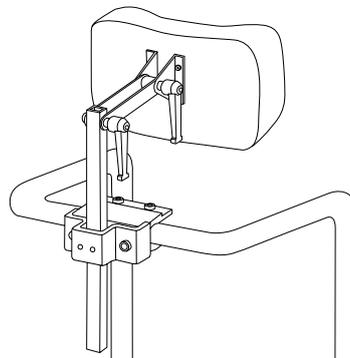
The headrest is mounted onto the bow handle (accessory). The headrest is adjustable in height, depth and angle, and is detachable.



Before the headrest is adjusted, ensure that the user has a good, secure sitting posture.



Check the balance of the wheelchair when the user leans against the headrest. We recommend the use of anti-tips.



## 10. Technical data

| Type of chair | Item no Cross 5 | Total width | Seat height rear | Seat height front | Seat depth from backrest tube** | Backrest height* | Transport width | Weight with rear wheel | Max user weight |        |
|---------------|-----------------|-------------|------------------|-------------------|---------------------------------|------------------|-----------------|------------------------|-----------------|--------|
|               |                 |             |                  |                   |                                 |                  |                 |                        |                 |        |
| 35 cm short   | 13123001        | 56,0 cm     | 34-50 cm         | 34-51 cm          | 36-42 cm                        | 32-45 cm         | 32 cm           | 15,0 kg                | 135 kg          |        |
| 35 cm long    | 13123002        | 56,0        | 34-51            | 34-51             | 42-48                           | 32-45            | 32 cm           | 15,2 kg                | 135 kg          |        |
| 37,5 cm short | 13123003        | 58,5        | 34-51            | 34-51             | 36-42                           | 32-45            | 32 cm           | 15,1 kg                | 135 kg          |        |
| 37,5 cm long  | 13123004        | 58,5        | 34-51            | 34-51             | 42-48                           | 32-45            | 32 cm           | 15,3 kg                | 135 kg          |        |
| 40 cm short   | 13123005        | 61,0        | 34-51            | 34-51             | 36-42                           | 32-45            | 32 cm           | 15,2 kg                | 135 kg          |        |
| 40 cm long    | 13123006        | 61,0        | 34-51            | 34-51             | 42-48                           | 32-45            | 32 cm           | 15,4 kg                | 135 kg          |        |
| 42,5 cm short | 13123007        | 63,5        | 34-51            | 34-51             | 36-42                           | 32-45            | 32 cm           | 15,3 kg                | 135 kg          |        |
| 42,5 cm long  | 13123008        | 63,5        | 34-51            | 34-51             | 42-48                           | 32-45            | 32 cm           | 15,5 kg                | 135 kg          |        |
| 45 cm short   | 13123009        | 66,0        | 34-51            | 34-51             | 36-42                           | 32-45            | 32 cm           | 15,5 kg                | 135 kg          |        |
| 45 cm long    | 13123010        | 66,0        | 34-51            | 34-51             | 42-48                           | 32-45            | 32 cm           | 15,7 kg                | 135 kg          |        |
| 47,5 cm short | 13123011        | 68,5        | 34-51            | 34-51             | 36-42                           | 32-45            | 32 cm           | 15,6 kg                | 135 kg          |        |
| 47,5 cm long  | 13123012        | 68,5        | 34-51            | 34-51             | 42-48                           | 32-45            | 32 cm           | 15,8 kg                | 135 kg          |        |
| 50 cm short   | 13123013        | 71,0        | 34-51            | 34-51             | 36-42                           | 32-45            | 32 cm           | 15,7 kg                | 135 kg          |        |
| 50 cm long    | 13123014        | 71,0        | 34-51            | 34-51             | 42-48                           | 32-45            | 32 cm           | 15,9 kg                | 135 kg          |        |
| Cross 5 XL    | 47,5 cm short   | 13123111    | 68,5 cm          | 40-51 cm          | 40-51 cm                        | 36-42 cm         | 32-45 cm        | 32 cm                  | 15,9 kg         | 160 kg |
|               | 47,5 cm long    | 13123112    | 68,5             | 40-51             | 40-51                           | 42-48            | 32-45           | 32 cm                  | 16,1 kg         | 160 kg |
|               | 50 cm short     | 13123113    | 71,0             | 40-51             | 40-51                           | 36-42            | 32-45           | 32 cm                  | 16,0 kg         | 160 kg |
|               | 50 cm long      | 13123114    | 71,0             | 40-51             | 40-51                           | 42-48            | 32-45           | 32 cm                  | 16,2 kg         | 160 kg |
|               | 52,5 cm short   | 13123115    | 73,5             | 40-51             | 40-51                           | 36-42            | 32-45           | 32 cm                  | 16,1 kg         | 160 kg |
|               | 52,5 cm long    | 13123116    | 73,5             | 40-51             | 40-51                           | 42-48            | 32-45           | 32 cm                  | 16,3 kg         | 160 kg |
|               | 55 cm short     | 13123117    | 76,0             | 40-51             | 40-51                           | 36-42            | 32-45           | 32 cm                  | 16,3 kg         | 160 kg |
|               | 55 cm long      | 13123118    | 76,0             | 40-51             | 40-51                           | 42-48            | 32-45           | 32 cm                  | 16,5 kg         | 160 kg |
|               | 57,5 cm short   | 13123119    | 78,5             | 40-51             | 40-51                           | 36-42            | 32-45           | 32 cm                  | 16,4 kg         | 160 kg |
|               | 57,5 cm long    | 13123120    | 78,5             | 40-51             | 40-51                           | 42-48            | 32-45           | 32 cm                  | 16,6 kg         | 160 kg |
|               | 60 cm short     | 13123121    | 81,0             | 40-51             | 40-51                           | 36-42            | 32-45           | 32 cm                  | 16,5 kg         | 160 kg |
|               | 60 cm long      | 13123122    | 81,0             | 40-51             | 40-51                           | 42-48            | 32-45           | 32 cm                  | 16,7 kg         | 160 kg |

\* Applies to Cross backrest 3A. For Cross backrest 3A high applies 38-51 cm.

\*\* With triangular back

|            |   |
|------------|---|
| Cross 5    | Weights and dimensions given are for a chair with 24" rear wheels with quick-release hubs, high pressure tyre, aluminium handrims, legrests, footrests, brakes, armrests, 6 1/2" castors with medium forks. The measurements given may vary by $\pm 2\%$ .  |
| Cross 5 XL | Weights and dimensions given are for a chair with 24" rear wheels with quick-release hubs, massive tyres, stainless steel handrims, cross brace back, legrests, footrests, heel strap, brakes, armrest attachment, 6 1/2" castor wheels with medium forks. The measurements given may vary by $\pm 2\%$ . |

|                  |                                |               |
|------------------|--------------------------------|---------------|
| Max lateral tilt | Max tilt up<br>(excl anti-tip) | Max tilt down |
|                  |                                |               |
| >20°             | 6°                             | >20°          |

# 11. Service and maintenance

## Upholstery

The upholstery is made of two-ply polyester. The seat upholstery is fastened lengthways to the seat frame, and can easily be removed from the frame by unscrewing the end caps.

The backrest upholstery is removed by loosening the

screws of the end caps and then pulling the upholstery upwards.

Wash seat and backrest upholstery according to the washing instructions on the product.

## Rear wheel/castor wheel, front fork attachment

**Tyre/inner tube:** Check the tyre pressure (see side of tyre) at least once a month, also check the tread.

**Spokes:** Loose spokes can lead to wheel wobble. Consult a cycle dealer or your Technical Aids Centre if it is necessary to adjust the spokes

**Wheel axles:** Clean the wheel axles from hair and dirt as necessary.

**Ball bearings:** Require no maintenance.

**Handrim:** If a handrim should be damaged in such a way that it could lead to injury, it should be replaced.

**Front fork attachments:**  
To achieve the best operating conditions, the attachments should be installed at 90°. Check also that the front forks are correctly tightened. See section "Seating settings".

## Brakes

The braking effect is dependent on the air pressure in the tyres. Encrusted dirt can have a negative effect

on the brake mechanism. Check the functioning of the brakes once a month. In the event of adjustments, see point "Brake, adjustment".

## Washing the frame

It is important to keep the wheelchair clean, both for your own comfort and the longevity of the chair. It is equipped with drainage holes which ensure that it is easy to wash and dry.

Clean the frame with a nonabrasive cleaning agent with a pH level between 5 and 9, or with a 70% disinfectant solution. Rinse and dry.

## Touch-up paint

Touch-up paint is available for minor scratches and chips in all the frame colours available for Cross wheelchairs.

## Miscellaneous

If there is a fault in your wheelchair you should contact your dealer or Technical Aids Centre. Defective wheelchairs should not be used.

If your chair needs reconditioning or repair, only original parts from Etac or components with equal quality, as specified in Cross diagrams, should be used. Etac will not

be held responsible for damage or injury caused by use of non-original parts.



When necessary lubricate moving parts/joints with bicycle oil or similar.

## 12. Tests and Guarantees

### Crash test:

Etac's wheelchairs are tested in accordance with ISO 7176-19. They are crash tested at the Technical Research Institute of Sweden. The tests were carried out with an UNWIN\_WWR/ATF/K/R restraining device and a 907523, Klippan Safety AB 3-point seat belt.

### Service life:

The product is tested and fulfils the demands stated in EN 12183. The main product's durability and lifetime is at least five years when used in accordance with intended use, the safety instructions, the reconditioning manual and instructions for use in the user manual. The main product consists of the chassis for seat and back support. Additional parts/accessories are handled in accordance with the manual and reconditioning manual. The actual lifetime can vary, depending on how much and how intensively the product is being used, but a maximum of 10 years. Thereafter the product must be decommissioned.

### Methods of surface treatment:

Lacquered surfaces = Polyester powder coating or ED-coating

Non-lacquered aluminium parts = Anodized coating

Non-lacquered steel surfaces = Galvanized

### CE marking:

The product has passed all tests and met all criteria set by European standards for specific product groups. Combination agreements exist, see [www.etac.com](http://www.etac.com)

### Guarantee:

5 year guarantee against material and manufacturing defects. For terms and conditions, see [www.etac.com](http://www.etac.com)

### Special adaptations:

comprise everything that falls outside the instructions and settings in this Manual. Wheelchairs specially adapted by customers are not eligible for Etac's CE marking. Etac's guarantee no longer applies. If in the least doubt about the validity of adjustments, please contact Etac for advice.

If wheelchair is combined with another product not manufactured by Etac, neither of the products will retain their CE marking unless combination agreement exists. Please contact Etac for up-to-date information.



To be sorted according to national regulations