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Port Washington, New York NY 11050
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enigma xs standard aluminium wheelchair

www.drivemedical.com
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introduction

The Enigma lightweight aluminium wheelchair is designed for occasional or frequent use, and can be used indoors and outdoors. The wheelchair is designed for a single user of up to 115kg (18 stone). The frame can accommodate either 24" self propel wheels or 12·" transit wheels.

The wheelchair can be manually moved in forward and reverse and is propelled either by the wheelchair user or a carer, depending upon the model of wheelchair in use.

parts description





adjustment features

A number of adjustments may be made to the wheelchair to suit a user's individual requirements:

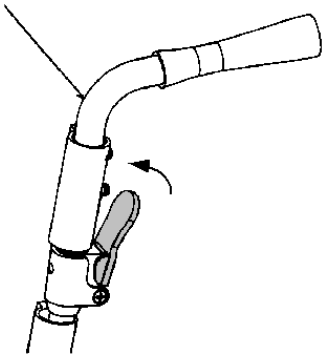
i. **Rear Wheels.** Use the axle bracket to alter the vertical or horizontal position of the 24" self-propel wheel, or the horizontal position of the 12·". Remove the two screws and nyloc nuts and reposition as required. Reattach the fasteners and alter the brakes as required.

ii. **Upholstery.** This wheelchair features a tension adjustable back and seat canvas. To adjust the tension, first remove the cushion and then adjust the Velcro straps. Ensure the straps are not too taut as this can damage the wheelchair.

iii. **Brake Adjustment.** Adjustment is made to the brake by loosening the Allen key bolt heads and by sliding the brake unit along the frame. The brakes will have to be readjusted if the rear wheel position has been altered.

iv. **Leg Rest Adjustment.** The leg rest height and footplate angle can be adjusted. To alter the leg rest height, remove the Allen head bolt and nyloc nut. Reposition as required, and then resecure fasteners. To alter the footplate angle, loosen the allen head bolt on the plastic footplate. Reposition as required then retighten bolt.

folding back mechanism

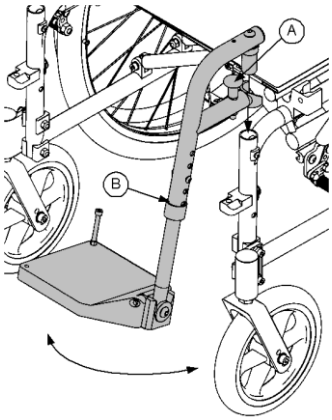


Push the black paddle (arrowed) towards the back post with your thumb whilst pulling the handle down. Repeat this operation for the other handle. To put the backrest back into position, lift both handles together and the folding mechanism will lock back automatically.

Do not push down on the handles to raise the front of the wheelchair, as this could result in damage to the wheelchair. Use the stepper tube as described later in the handbook.

disassembly and storage

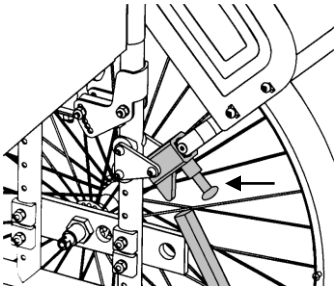
This wheelchair has a number of quick release components and the wheelchair frame is easily foldable to facilitate a light carry weight and minimize storage space.



1. **Leg Rests**

Leg rests will swing in or out to reduce the length of the wheelchair. Pull lever "A" whilst rotating the leg rest "B".

To remove, swing out the leg rest approximately 45º and pull up on the leg rest.



2. **Armrests**

Press the lever at the front of the armrests to release the front of the armrest. The armrest can now be flipped up.

To remove, first flip up the armrest then pull the lever (arrowed) and the armrest can be removed by pulling upwards on the tubing.

3. **Quick Release Wheel.**

On the self propel model, the rear wheels can be removed. To remove the rear wheel, push the button in the centre of the wheel hub and slide the wheel from its axle.

4. **Half Folding Back.** Follow the previous instructions to fold the back.

5. **Folding the wheelchair.**

Remove the seat and back cushions. Then grab the centre of the front and rear edges of the seat sling. Pull upwards on the seat sling and the wheelchair should naturally fold up.

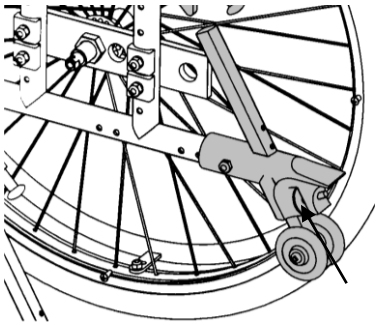
See back page for details on restraining the wheelchair in a motor vehicle.

using the stepper tube

Use the stepper tube to raise the front castors (when mounting a kerb for example). To use, push down on the stepper tube with a foot. Do not raise the front castors by pushing down on the push handles as this could result in damage to the wheelchair.

To mount a kerb. Approach the kerb head on. Then the attendant uses the stepper tube to raise the front castors, and lowers the front castors on the raised kerb. Finally the attendant should push the wheelchair forward, lifting it up slightly to mount the kerb if required.

To go down a kerb. Line up the front castors with the edge of the kerb. The attendant uses the stepper tube to raise the front castors and tip the user slightly back. Keeping the castors raised, slowly lower the wheelchair down the kerb.



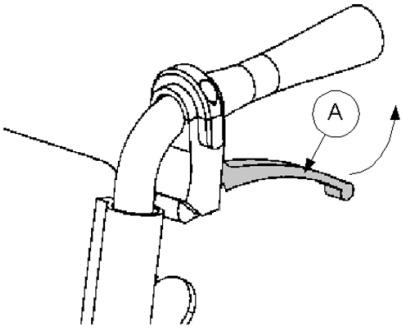
Adjusting Anti-Tip Wheel Height

The stepper tube comes with an integral anti-tip wheel. To adjust the height of this wheel pull the metal disc (arrowed) and move the wheel to the correct height, and release.

brake operation

Parking Brakes

To apply the parking brakes, push the handle on the brake unit until locked in place. To release the brake, push the handle in the opposite direction.
The brakes should always be applied when the wheelchair is stationary.



Cable Brakes

On the transit model, the attendant pushing the wheelchair may use cable-operated brakes to slow the wheelchair. To apply the brakes, squeeze the large lever (A) on the push handles and the brakes will be applied. Release the levers to remove the brake.
When stationary, apply the parking brakes as described above.

operation and propulsion

Before Using the Wheelchair read the safety notices below:

- Use slow speeds on gradients. Do not exceed the maximum gradient stated.
- The wheelchair is only suitable for single occupancy.
- Keep your feet on the footplates when moving. Do not stand on the footplates.
- Do not use escalators.
- Do not reverse down a gradient
- Maintain proper balance at all times. Users should not move their centre of gravity out of the seating area.
- Do not reach for items further than your arm will extend.
- Be aware of hazards in your environment, such as narrow doorways, steps, household appliances, children's toys, etc.
- We recommend you consult your healthcare professional for advice about transferring to and from the wheelchair. The parking brakes should always be applied when transferring.
- Ensure that fingers and objects do not get caught in the spokes of the rear wheels.

The transit wheelchair can only be propelled by an attendant. The attendant should push the wheelchair from behind using the handgrips, and following the safety advice above.

The self propel wheelchair can be propelled by an attendant (as directed above) or the wheelchair user. The user can propel themselves by pushing on the handrims attached to the side of the rear wheels, and slow themselves down by applying pressure to the handrims.

When stationary the brakes should always be applied.

care and maintenance

- Before each use of the wheelchair, the brakes and tyres should be checked.
- The wheelchair should be stored in a dry environment, away from direct sunlight. When in storage the wheelchair can be folded up
- The wheelchair should be kept clean and dust free. This can be done with a duster or damp cloth.
- The wheelchair comes with a toolkit to perform simple maintenance tasks and most common adjustments.
- The user should routinely check the following items. It is recommended that a Drive Medical dealer services the wheelchair annually, where these items should be repaired, replaced, adjusted and/or lubricated if required:
  - Tyre wear
  - Wheel bearings
  - Castors
  - Brakes
  - Legrest locking mechanism
  - Seat upholstery
  - Back upholstery
  - Arm pads
  - Rear wheel quick release pin
  - Half folding back mechanism
  - Back posts
  - Wheelchair (folds up)

powerpack installation



This wheelchair is suitable for some retrofit powerpacks, such as the PowerStroll. A suggested configuration is shown left.

Note this is a suggestion, and the mounting position will need adapting to be suitable for the user and the powerpack used. For more information about the PowerStroll contact your Drive Medical dealer or visit www.drivemedical.co.uk for more details.

specification

	XSAWCSP18	XSAWCTS18
Dimensions *1 (L x W x H)	103cm x 63cm x 93cm 40" x 25" x 37"	92cm x 63cm x 93cm 37" x 25" 37"
Dimensions *2 (L x W x H)	83cm x 26cm x 63cm 33" x 10" x 25"	83cm x 26cm x 63cm 33" x 10" x 25"
Seat (W x D x H)	45cm x 42xm x 52cm 18" x 17" x 20·"	45cm x 42xm x 52cm 18" x 17" x 20·"
Wheel Spacing	43cm – 51cm /17" – 20"	43cm – 51cm / 17" – 20"
Weight * 1	17kg / 37lb	15kg / 32lb
Weight * 2	8kg / 18lb	8 kg / 18lb
Max User Mass	115kg / 18 stone	115kg / 18 stone

All dimensions are based on the wheelchair in its default configuration.
*Dimensions * 1 refers the wheelchair assembled*
*Dimensions *2 refers to the wheelchair folded and parts removed*
*Weight *1 is the total weight*
*Weight *2 is the weight without removable components*
We reserve the right to change designs and specifications.

warranty

Your Drive branded product is warranted to be free of defects in materials and workmanship for one year from date of purchase. This device was built to exacting standards and carefully inspected prior to shipment. This warranty is an expression of our confidence in the materials and workmanship of our products and our assurance to the customer.

In the event of a defect covered by this warranty, we will at our option supply parts or replace the device. This warranty does not cover device

failure due to owner misuse or negligence, or normal wear and tear. The warranty does not extend to non-durable components, such as rubber accessories, castors and grips, which are subject to normal wear and need periodic replacement. The wheelchair frame has a 5-year warranty.

If you have any queries or require full warranty conditions, please contact your Drive stockist.

Drive Germany:

Drive Medical GmbH & Co. KG
Leutkircher Straße 44
D-88316 Isny/Allgäu (Germany)

Web www.drivemedical.de

Drive UK:

Drive Medical Limited
Ainley's Industrial Estate, Elland.
UK WEST YORKSHIRE HX5 9JP

Web www.drivemedical.co.uk

spare parts available

The following spare parts are available for your wheelchair:

Z17130-25: RHS cross brace
Z17140-25: LHS cross brace
Z17180-25: Plastic cross brace support
Z17200-25: Seat canvas
Z17250-25: Back canvas
Z17325-25: Push handle
Z17350-25: Half fold mechanism
Z17400-25: Castor wheel and fork
Z17425-25: Castor housing
Z17450-25: Quick release pin for 24" wheel
Z17460-25: 24" rear wheel
Z17485-25: Nut cap 3.5mm lip
Z17480-25: 12.5" rear wheel
Z17525-25: RHS arm rest
Z17528-25: RHS side panel
Z17575-25: LHS arm rest
Z17578-25: LHS side panel
Z17600-25: LHS leg rest
Z17650-25: RHS leg rest
Z17800-25: Anti-tip wheel
Z17700-25: LHS brake (for 24" wheel)
Z17750-25: RHS brake (for 24" wheel)
EB004-25: Brake set (for 12.5" wheel)

The parts are available exclusively from Drive Medical stockists. To order the parts please visit the stockist where you bought the wheelchair or visit www.drivemedical.co.uk to find your local stockist. Spare part catalogues and other documentation can also be found at www.drivemedical.co.uk

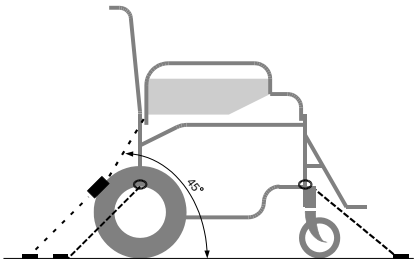
using the wheelchair as a seat in a motor vehicle

The wheelchair has been tested to Wheelchair Crash Test standard ISO 7176/19 using restraints from Q-Straint. Wherever possible the wheelchair user should use the vehicle's fitted seats and the wheelchair should be folded away and placed safely in the luggage compartment of the vehicle or restrained.

If it is not feasible to transfer to the vehicle's seat then the Enigma steel wheelchair may be used as a chair whilst the vehicle is moving with the necessary restraints and with the wheelchair facing the front of the vehicle. Drive Medical recommends that the following types of restraints be used:

a) **Buckle and tongue or standard hook restraints for the front of the wheelchair,**
b) **'J' restraints for the rear of the wheelchair,**
c) **3-point harness for the user restraint.**
   The lap belt should be worn across the front of the pelvis, with the webbing fed between the back posts and armrest.

The upper torso belt should be worn over the shoulder. The belt should be worn as firm as possible without being uncomfortable. Ensure the webbing is not twisted. For more information on restraints please contact Drive Medical. Below is a diagram illustrating the recommended positions for the restraints. The securement points for the restraints are marked on the wheelchair using the symbol (below right).



LEGEND

Wheelchair Restraints

Occupant Restraints

