

Adjustments

As the positioning and tension of a pelvic belt is extremely important to achieve its intended purpose, care should be taken to ensure that all straps are appropriately adjusted with any belt padding suitably positioned.

Incorrect tension, i.e. too tight, can result in unnecessary discomfort or distress to the User. Whereas too loose, can allow the belt to roll upwards or downwards thus not achieving its intended purpose. An incorrectly fitted belt could also allow the buckle release catch to come into contact with a more rigid piece of clothing (e.g. a large button or belt buckle) or to snag on the padding, which could inadvertently operate the release catch on the Belt. Should the User show continued signs of discomfort or distress due to the Uno Belt, a suitably qualified healthcare professional should be consulted immediately.

User / Carer Information - Please Read Before Use

- Straps or Harnesses should be the last item to be released or removed before the user leaves the wheelchair and the first things to be secured after entering. Do not move around with the belt unfastened as it may get caught in the wheels and become damaged.
- Daily inspection of the belt is recommended. If any defects are found, please DO NOT use the belt and contact the manufacturer.
- The Uno Belt length may require adjustment periodically, to allow for user growth, changes to user's disability or changes in seasonal clothing. Small adjustments to belt or strap lengths can be made at the main buckle, with further adjustment available at the Tri-Slot Wheelchair Mounting Plates, located at each anchored end of the Belt.
- Incorrect adjustment could lead to distress and pressure injury, please check the occupant for signs of discomfort and redness, bruising or sores around the contact area with the belt.
- The buckle and webbing belts can be wiped down with a damp cloth with a mild detergent and warm water. Do not machine wash. Do not submerge the buckle in water. If water or other liquid does enter the main body or stud parts of the buckle, allow to drain and dry for 24 hours in a warm ventilated place. Please note that while external water may dry quickly, the internal compartments of the unit will take longer to dry. The padding can be washed in a washing machine at 40°C on a synthetics cycle.
- The webbing side padding can be easily removed and washed in a washing machine at 40°C on a synthetics cycle.
- If badly soiled, the FlexiFix arm can be removed from the wheelchair and the padding cover removed and washed. We recommend that the arms are refitted by a wheelchair fitting professional, should you need to do this. The padding can be washed in a washing machine at 40°C on a synthetics cycle.
- Inspection before use of the product is recommended to ensure the function of the buckle is working correctly. Test that the Release Button/Pull Tab opens and closes without obstruction and the unit closes without any additional force. Reposition the buckle if the pull tab is catching on the padding.
- Ensure the Stud enters the main unit without excess force. The connection of the two units is assisted with internal magnets so no additional force is required once the two parts are brought together. If the magnets do not pull the buckle parts together, check that no debris has accumulated inside the body opening, and check the stud to see if any dirt is fouling the end of the product which may restrict the unit's connection. To remove any debris please wipe the stud with a cloth or use a soft tool, such as a cotton bud, to remove debris stuck in the stud entry point on the buckle.
- The FlexiFix arm is designed to hold your belt open. It should not be bent excessively as it may break, causing sharp edges, or cease to hold the buckle in the correct position. The arm will stay out of your way when entering the chair – take care not to sit on it.

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Tested to: ISO 9001
ISO 16840-3
ISO 16840-10



Warnings

- The Uno Belt is designed for postural positioning and/or safety only, not as a method of restraint.
- UNDER NO CIRCUMSTANCES should the Uno Belt be used as the sole method of securing the User in a wheelchair, during transportation in a motor vehicle. When transporting an occupant in a wheelchair, in a mobility vehicle, a suitable 4-point tie down restraint (WTORS) system with a suitable, separate 3-point passenger restraint must be used to ensure the occupant is safe during transportation.
- This Uno Belt should be prescribed and installed by a suitably qualified healthcare professional, giving the necessary consideration to positioning, strap routing and correct adjustment. The belt should only be worn by the user for whom it has been fitted.
- Achieving the correct tension is extremely important - see Adjustments section.
- The Uno Belt with Soloc buckle is intended for a single occupant whose mass does not exceed 100kg.
- Do not modify or tamper with the Belt or Buckle in any way.
- We recommend that the belt's function is checked before use - see 'User / Carer information' below.
- The buckle uses magnetic fields to engage and attract the parts together. Please make sure this does not affect magnetically sensitive devices. The buckle should be located at least 50mm from a pacemaker or other electronic device.
- Please record the batch number from the packaging onto the user records for traceability.

Part Identification



How to Operate the Uno Belt

The Uno belt is designed to be used with one hand. It should be fitted so that the FlexiFix arm is on the side with least mobility. The FlexiFix arm holds the buckle in place for you. Loosen the belt by pulling the Metal Adjustment Buckle away from you, with your good hand, until you have enough length to bring it near to the buckle.

Drop the stud into the buckle. The magnets inside the buckle will help it to connect. Please note that on closure a physical connection is made, the magnets only assist with connecting the belt.

The red release tab must have moved back from the release position for buckle to be secured. There should be no gap between the red release tab and the buckle.

The belt should then be tightened by pulling on the D-ring across your body. To open the buckle, either press against the release button or pull on the pull tab.



How to Position the Padding

The Uno Belt is provided with padding. The padding comes in two sections: a simple sleeve that fits over the webbing side of the belt; and a sleeve with a flat padding section that fits on the FlexiFix arm side.

Buckle-side padding: The Buckle is held in place on the padding by Velcro – there is a looped Velcro circle on the back of the buckle and a hook Velcro patch on the padding. Please ensure that the buckle is positioned so that the Pull Tab does not snag on the padding. The buckle should be free to open and close without catching - failure to ensure this may result in the belt staying open and harm occurring to the occupant. If the Pull Tab does catch on the padding, adjust the position of the buckle further away from the edge of the padding and pull the padding down the belt.

The padding should cover all of the area where your body meets the belt. If it does not, you may need a longer length of padding (two lengths available).

Fitting the Uno Belt to Your Wheelchair: FlexiFix Arm

We recommend getting your belt installed by a professional wheelchair fitter. Please ensure that you have permission from the wheelchair owner before fitting the belt.

Initially, the installer will need to establish the most suitable position for the Uno belt to be attached, according to the User's disability and type of wheelchair. It is recommended that this is carried out with the User seated in the wheelchair and the Uno belt laid around the User in the intended position.

The FlexiFix Arm of the Uno (the metal arm) can be fitted on either side of the wheelchair. It should be fitted to the side on which has the user had the least mobility. This allows them to use their most mobile side to do up the belt.

The FlexiFix arm should be fitted so that the buckle will sit the correct way up when the belt is fastened.

The FlexiFix arm of the Uno has several fixing holes along the bottom section. Position the arm so that the buckle will sit in a central position on the user. Use the closest hole to fix the arm to the wheelchair. An extender plate can be ordered from Active Hands if the arm is not long enough.

The FlexiFix arm can be attached by fixing directly to any fixing holes in the frame.



To attach the FlexiFix arm to a wheelchair that doesn't have existing holes, use a frame saver clamp. These can be purchased separately from Active Hands. Measure the diameter of your wheelchair frame where you wish to mount the belt. For a 25mm frame, use the outer ring only. For a 22mm frame you will need to insert the shim shown in Figure 1.

If you are using the shim, insert it into the ring (Fig 2) with the split at the top. Push the ring over your wheelchair frame where you wish to fix the belt. Put the M6 screw (included) through the hole you have chosen in the FlexiFix arm, and into the top of the frame saver clamp (Fig3). When you are happy with the position, tighten the screw.

Fitting an Extender Plate to a FlexiFix Arm

If the FlexiFix arm is not long enough for your client, an extender plate can be added to increase the length by up to 120mm.

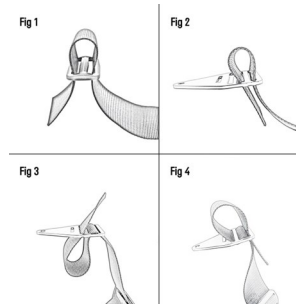
The extender plate should be attached to the FlexiFix arm in two locations using the bolts, washers and nuts provided. One washer should sit under the head of the bolt and the other should be added before the nut.

The extender plate can then be fitted to the wheelchair using the instructions above (Fitting the Uno Belt to Your Wheelchair: FlexiFix arm).



Fitting the Uno Belt to Your Wheelchair: Webbing Side

The webbing side of the belt should be fitted after the FlexiFix arm side. Make sure that the D-Ring is touching the Metal Adjustment Buckle. The user will need the webbing strap to be long enough to reach the buckle on the FlexiFix arm with the Stud when the belt is open.



The belt length can be adjusted using the Tri-Slot Wheelchair Mounting Plate (Tri-Plate). Any excess belt can be held in place with the plastic Tri-Glide.

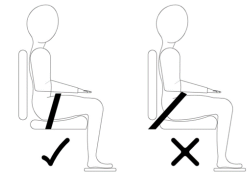
First put the belt through the tri-glide by inserting it up through one slot and down the other (Fig 1) and sliding it along the belt. Determine the length of the belt that is suitable for the user, then fit the tri-plate. Insert the belt into the first slot from the back of the plate. Then through the second slot from the front of the tri-plate (Fig 2) and back through the third slot (Fig 3). The belt can then be pushed into the first slot again, this time from the front of the plate (Fig 4). Once pulled tight, this will hold the belt securely in place. The end of the belt can then be slotted through the Tri-Glide to tidy up the ends and prevent the excess belt being caught in the wheels.

The Webbing Side of the Uno comes with a Tri-Slot Wheelchair Mounting plate (Tri-plate) as standard with a fixing hole and corresponding bolts and washers. If the wheelchair has holes already in the frame, the included bolts can be used to

attach the Tri-plate to the chair.

If your wheelchair does not have holes in the frame you can use the frame saver clamps, as shown above, to attach the Tri-plate to the frame using the hole in the Tri-plate.

The belt should be placed in such a way that it stops the pelvis sliding forwards. To achieve this, it shall be attached such that the belt falls anterior to the greater trochanters as shown in the left-hand diagram.



More information on postural support fixation and placement can be found in BS 8625:2019

Fitting the Stud side to the Webbing Belt

Your belt will come attached to the buckle. If you need to change the belt, or remove it for cleaning, it can be reassembled in this way:



The stud side of the belt is the adjustable side so has a Metal Adjustment Buckle. Insert the end of the webbing belt into the first slot (furthest from the stud) from the underside of Metal Adjustment Buckle, pass the belt over the Plastic Adjustment Controller and down into the second slot (closest to the body), pull the belt through until the D-ring touches the loop plate.

To ensure this buckle functions correctly, there are limitations in the belt thickness that can be safely used with the Soloc buckle. The thickness of the belt material to be used to ensure safe use is from 1.1mm to 1.3mm

Houdini Locking System

A Houdini locking system is built into every Soloc Buckle. This feature allows the unit to be locked so that the user cannot open it themselves, if required.

The buckle can be locked by inserting a screw underneath the logo sticker - this prevents the release button or pull tab from being pulled.

To release a user from their belt, a Houdini Release Cover can be placed over the buckle. The Houdini release cover uses carefully placed magnets that release the internal locking mechanism. This method is more secure than other examples of locking mechanisms, such as covers, and prevents locking mechanism tampering or release with tools that are not the intended release tool.

Please ensure that the Houdini release cover is kept nearby in case of an emergency. A suitable location might be attached to the back of the user's wheelchair (out of their reach) or worn by a carer or staff member.