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MD

RMS Pelvic Belts with SOLOC Buckles

Soloc
Magnetic Innovation



All RMS Pelvic Belts are designed for postural positioning and or safety only, not as a method of restraint.



- **UNDER NO CIRCUMSTANCES** should this Pelvic 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 Pelvic Belt should be prescribed and installed by a suitably qualified healthcare profesional, giving the necessary consideration to positioning, direction of pull, strap routing and correct adjustment.
- Achieving the correct tension is extremely important see Adjustments section .
- RMS Pelvic Belts with Soloc buckles are intended for a single occupant whose mass does not exceed 100kg.
- Do not modify the Belt or Buckle in any way.
- We recommend that the belts function is checked before use see User / Carer information.
- Caution: The buckle uses magnetic fields to engage and attract the parts together. Please make sure this does not affect magnetically sensitive devices.
- Please record the batch WOR number from the packaging onto your users records for traceability.

Fitting :

RMS Pelvic Belts are supplied with optional methods of attachment to a wheelchair.

- Initially, the installer will need to establish the most suitable positions for the Pelvic Belt to be attached, according to the User's disability, type of Pelvic Belt and type of wheelchair. It is recommended that this is carried out with the User seated in the wheelchair and the Pelvic Belt laid around the User in the intended position.
- The Pelvic Belt should be attached either by utilising suitable existing frame screws, or by use of the **RMS** Universal Mounting Clamps, **MC123** included with this kit (see Fig1). These clamps enable the Pelvic Belt to be attached to round frame tubes of 19, 22 or 25mm Diameter without drilling. Where the preference is to use suitable existing frame screws, the User should be removed from wheelchair before slackening or removing any screws, (Minimum screw dia. 5mm).



Fig.1

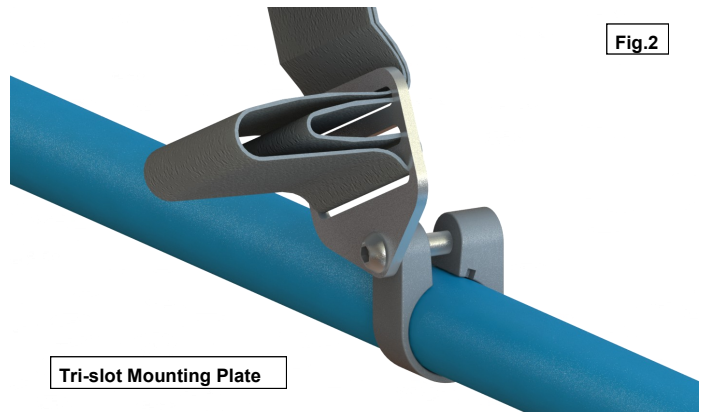


Fig.2

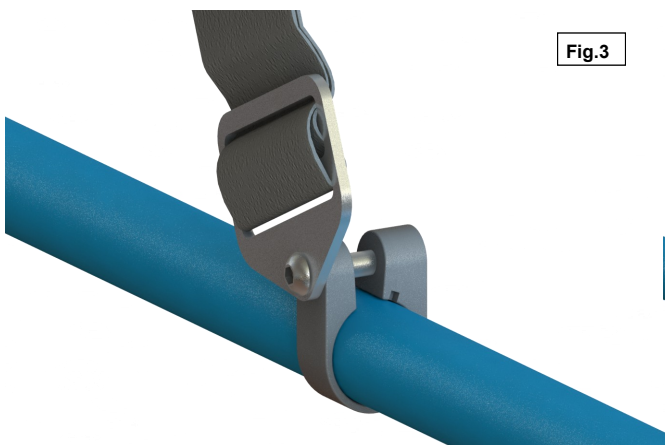


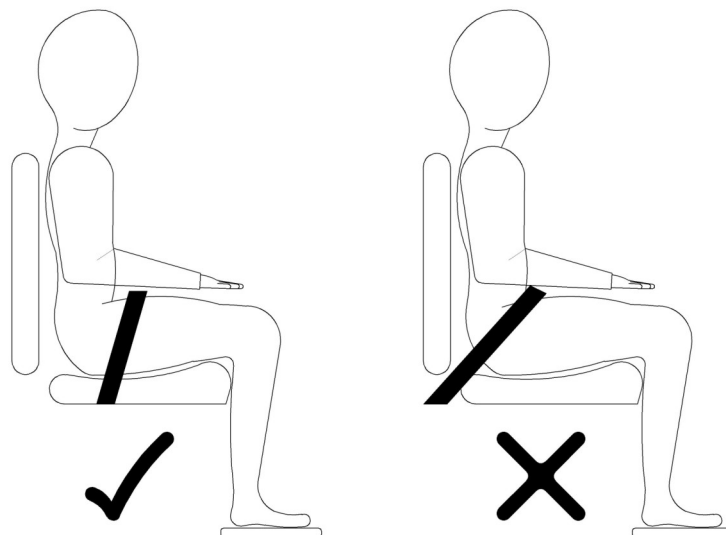
Fig.3



Fig.4

- To attach the Pelvic Belt using **RMS** frame clamps **MC123** (Fig.1), install the clamps, together with any appropriate size spacer shim, onto the frame tubes in the most suitable position to create a 60° directional line over the pelvis (see Diagrams below). NOTE: ensure the locating lugs on any spacer shims engage into the slots in the Clamp.
- Using **Tri-slot Mounting Plate** method of attachment, Figs.2 & 3, install a Tri-glide onto each free end of the Belt by threading the end of the webbing through the slots and slide up the webbing about 30cm.
- Now install the free end of the webbing through the slots as shown in Fig.2. (Do Not adjust at this stage).
Insert the clamping screw through the Tri-slot Mounting Plates (from the side which is recessed to take the screw head) and screw into the M6 captive nut in each Clamp. Tighten in line with the direction of pull. Screws should be tightened sufficiently to prevent any movement of the Clamps, although this may allow the Tri-Plates to revolve around the screws, with some resistance.
- Adjust belt lengths as required and pull webbing tight against Tri-Plates and insert the excess webbing end through the preinstalled tri glide. Figs 4.

2-point pelvic positioning

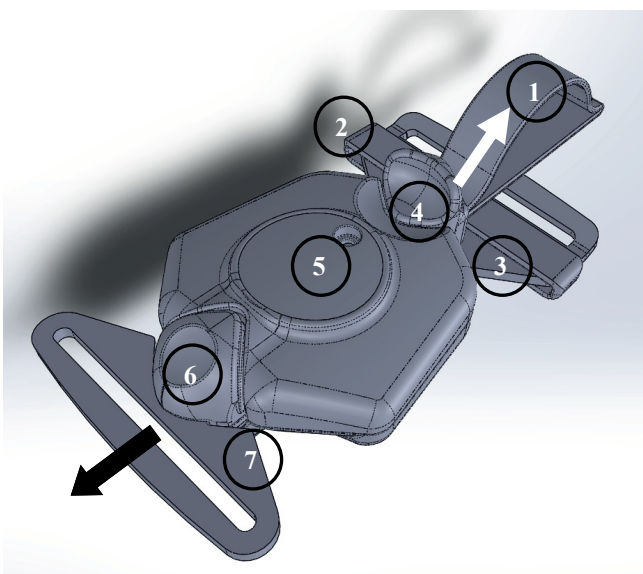


The belt should be placed in such a way that it stops the pelvis sliding forwards. To achieve this, it shall be attached such that the belt falls anterior to the greater trochanters as shown in the left hand diagram, above.

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

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 attached with the correct direction of pull, appropriately adjusted with any Comfort Pads 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. This could also allow the buckle release catch to come into contact with a more rigid piece of clothing, i.e. a large button or belt buckle, which in turn could inadvertently operate the release catch on the Belt. Should the User show continued signs of discomfort or distress due to the Pelvic Belt a suitably qualified healthcare professional should be consulted immediately.
- For “**Single Pull**” type belts, adjustment is made after connecting the main buckle, by pulling the strap fitted with a “D” ring to the side of the main buckle, outwards away from the centre.



A. Releasing the buckle

To release the unit for use, pull the pul tab (1) (optional) or release lever (4) away from the main body in the direction of the white arrow.

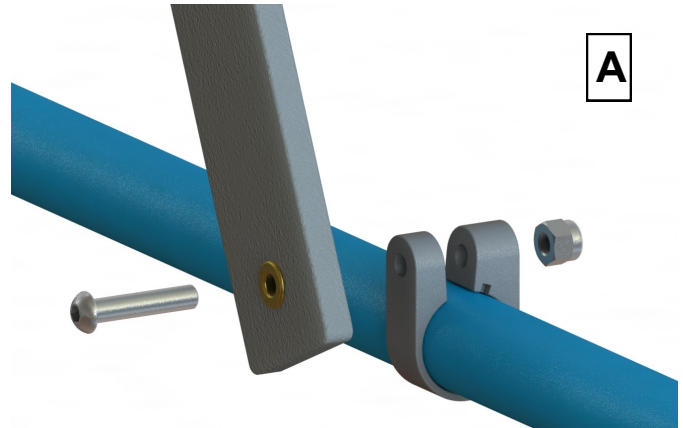
Once the release lever is away from the main body (5) pull the fixed web loop plate away from the main body at the same time in the direction of the black arrow.

B. Securing the buckle

Orientate the main body(5) towards the stud (6). When the 2 components are close together the magnetic fields engage and attract the parts together performing the securement automatically.

Presenter Arm fitment (Optional)

- Fit the mounting clamp as shown on page 2. taking in consideration correct positioning as shown on page 3.
- Attach the presenter arm to the mounting clamp placing the bolt through the eyelet in the arm (A)



A

B



- Ensure the arm curves away from the user, towards the outside of the chair (B).
- Fit the nut and fully tighten when happy with the positioning.
- When connecting the buckle the male stud section may require rotating inwards.
- Bring the main buckle and belt over to pick up the male stud and make connection. Adjust the belt to make a snug fit.
- When releasing the buckle the presenter arm section should spring away from the user. Make sure it is clear of any wheels etc.



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.
- Daily inspection of the belts security to the frame and function is recommended.
- The Pelvic Belt length may require adjustment periodically, to allow for User growth, changes to User's disability or changes in seasonal clothing. Adjustments to belt or strap lengths can be made at the main buckles, with further adjustment available at the Tri-slot 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 belt must not be Machine Washed, as water ingress to the Buckle mechanism could cause premature rusting and subsequent mal-function at a later date. They may however, be Hand Washed with **CAUTION**, ensuring water does not enter the Metal Centre Buckle area. Water ingress to the metal buckle can be avoided by holding the Belt by the Buckle in one hand whilst lightly sponging with warm soapy water, with a little disinfectant added, with the other hand.

If water or liquid enters the unit, drain any internal water and allow to dry for at least 24 hours in a warm ventilated place.

- Inspection before use of the product is recommended to ensure the function of the buckle is working correctly. Test the release button (4) / Pull tab (1) opens without obstruction and unit closes without any additional force.
- Ensure the Stud (6) enters the main unit (5) 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 excess force is required check no dirt or residue has accumulated inside the body opening, check the stud (6) to see if any dirt is fouling the end of the product which may restrict the units connection.



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