

Clamp-on, Swing-away Lateral Supports



Fig.1

Clamp-on, Swing-away Lateral Supports, manufactured by RMS Ltd, are intended to assist wheelchair users with upper trunk postural support, when fitted to the backrest frame of their wheelchair.

Having the options of two sizes of Lateral Support Pads, both with forward and rearward adjustment and three lengths of Pad Connecting Links available, makes these devices multi-positional in achieving the correct user support and positioning.

The well proven, press-button lock release, enables the Lateral Supports to swing-away outwards, thus aiding the user with safer transferring.

Design enables the device to be clamped to round backrest frame tubes of 22mm with a wrap-around type backrest canvas still in place, see Fig.1. Also can be fitted to 22mm and 25mm diameter frames with the backrest canvas removed.

The Lateral Support Pads, are fitted with removable/washable covers of Neoprene and Spacer fabrics, with the Adjustable Link mechanisms also having Neoprene covers to prevent any direct skin contact.

To ensure correct comfort and support, it is strongly recommended that these devices be installed and adjusted by a suitably qualified person.



Fig.2

INSTALLATION

Tools required: 2.5, 3, 4 and 5mm Hexagon Keys. Plus any other tools necessary, where the backrest canvas is to be removed.

- Having established the approximate position for each Lateral Support to be fitted, use a 5mm Hex. Key to slacken the two main clamping screws Fig.2, sufficient to enable the clamp to open out around the wheelchair backrest frame, Fig. 2. It may be necessary to separate the clamp.

IMPORTANT NOTE: To ensure maximum clamping effect when assembling the clamps onto the wheelchair backrest, please ensure that all three front and rear Locking Grub-screws, Fig.2 are **not** protruding through the inner surface of the clamps, as this could make it difficult to slide clamps onto the backrest frame tubes and could result in uneven clamping or failure to fully clamp when the main screws are tightened.

- With the clamp assembled onto the backrest frame (with or without the wrap-around canvas 22mm dia. only), position at the height required and initially suggested in the forward direction Fig.3. Tighten both main clamping screws Fig.2, just sufficient to maintain the clamp's position.

- Where two Lateral Supports are to be fitted, install the opposite side as above.

- Before seating the user in their wheelchair, swing both Support Pads outwards by fully depressing the Green Lock Release Button at the rear of the clamps.

- With the user seated and the Lateral Supports swung back to the locked forward position, the clamps can be finally positioned as required and the main clamping screws fully tightened. It will then be necessary to equally tighten all front and rear Locking Grub-screws Fig.2, sufficient to penetrate the backrest canvas (when fitted) and indent the frame tube to prevent any lateral rotation of the Supports around the backrest frame.

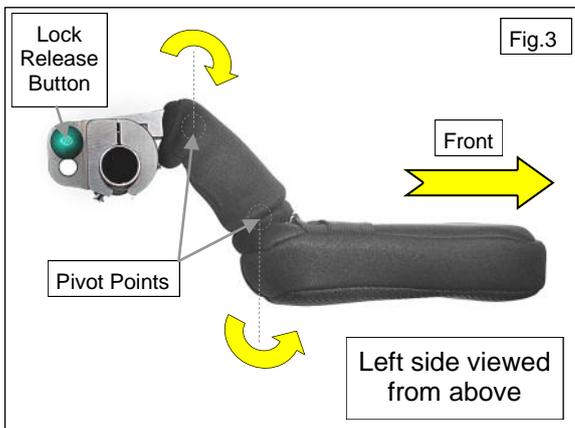


Fig.3

SEE OVER PAGE FOR ADJUSTMENTS

ADJUSTMENTS

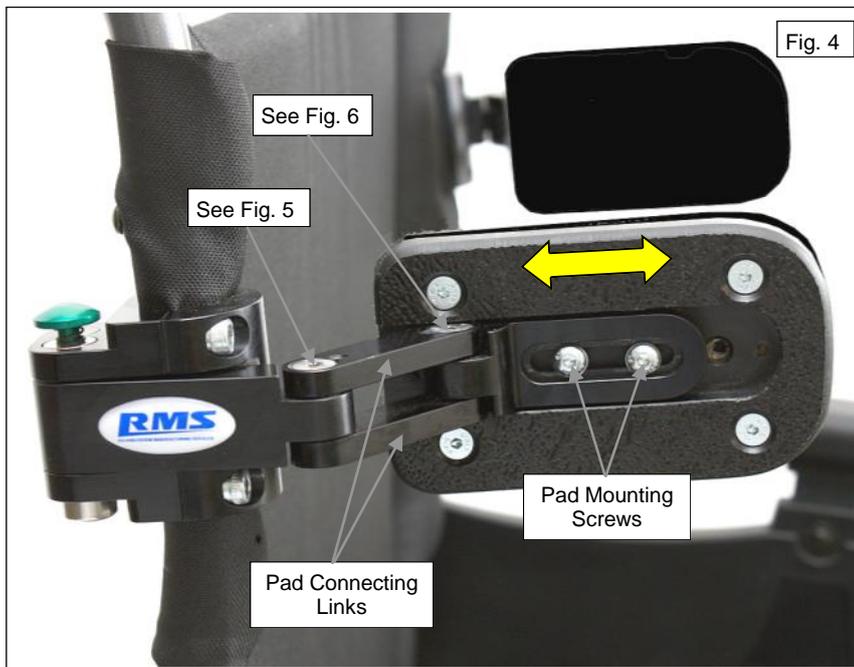
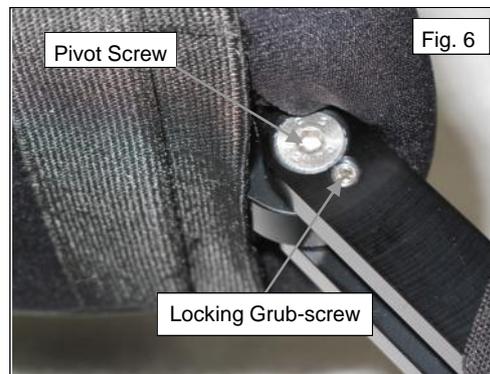


Figure 4, shows the Lateral Support without covers to enable adjustment points to be highlighted. The Pad cover will need to be removed to make forward or rearwards adjustments. Whereas the cover for the Connecting Links can be slid in either direction to enable access to the Link Pivot Screws and their Locking Grub-screws.

- The Lateral Support Pads are manufactured with a series of mounting holes, at 20mm centres Fig. 4, which, in conjunction with a slotted Mounting Plate, enables the Pads to be detached, moved forwards or rearwards then reattached to suit individual requirements.
- To adjust a Lateral Pad forward or rearward after removal of the cover, slacken and/or remove the Pad Mounting Screws Fig.4, using a 3mm Hex. Key, slide the Pad to the required position and re-install the screws. Confirm the Pad position before fully tightening screws.

- To enable the correct lateral, rotational position, for the Pad, Fig.3, pivot points are located at each end of the Pad Connecting Links, Figs.5 & 6. (It is recommended that any adjustments are made on one side at a time)
- Slide the Link cover along the Links to expose each Pivot Screw and Locking Grub-screws in the upper and lower Link. Using a 2.5mm Hex. Key, the Locking Grub-screws should be slackened initially, before slackening the Pivot Screws using a 4mm Hex. Key. Set the Links and Pad to the required position, before tightening firstly the Pivot Screws, followed by the Locking Grub-screws. Tighten all screws sufficient to prevent any movement.
- Complete any adjustments to the opposite side as above, before refitting and repositioning the protective covers.



MAINTENANCE

To maintain user comfort and correct support, security and positioning of these devices should be checked on a regular basis. Changes in the user's growth, disability or even changes in seasonal clothing may require repositioning or readjustment.

The covers may be removed and machine washed at 60° or cleaned by lightly sponging with warm soapy water with a little disinfectant added, or by using car upholstery cleaner, either should be thoroughly wiped dry with a clean absorbent cloth. Ensure covers are completely dry before re-installing.

NOTE: It will be necessary to remove the Lateral Pads from their Mounting Plates, to allow removal of the Connecting Link covers for cleaning.

Alternative size Lateral Pads and Connecting Links are available direct from RMS Sales.