

# FOOTSURE Profiled Footplates

Part number L6-P08-#

## FITTING GUIDELINES



As incorrect fitment of these devices could cause the user distress, discomfort or injury and not achieve their intended purpose, it is strongly recommended they be assembled and fitted by a suitably qualified person.

To achieve their intended purpose, it is important that the correct size of Footsure Profiled Footplate be used. Therefore, please ensure the Footsures supplied are the correct size required prior to fitting. The length may be trimmed to suit the user. (see fitting guidelines below).

To avoid possible distortion, we recommend these devices are not subjected to temperatures in excess of 50°C (122°F)

Please ensure the wheelchair footplates or footboards are secure prior to fitting.

### FOOTSURE Kit Contents:-

1 x Pair Footsure Profiled Footplates.

2 x Pairs Leather "Cycle" style straps with Q/R buckles (these require cutting to length, see relevant guidelines overleaf).

4 x M6 x 20mm Countersunk Screws.

4 x M6 x 9mm deep "T" Nuts. (For use when attaching Footsures to Ply Footboards)

4 x 6mm Plain Washers.

4 x M6 Nylock Nuts.

8 x M5 x 16 Button Head Screws.

16 x 5mm Plain Washers (Type C).

8 x M5 Domed Nylock Nuts.

 **TOOLS REQUIRED:** Power Drill. 5 & 8mm Drill bit. Countersink bit. 20mm Diameter Counter-bore Bit. Pozidrive 2 & 3 Screwdrivers. 8 & 10mm Spanners. Sharp Knife ("Stanley" type). Small Hammer. Small leather hole punch.

(Plus a hacksaw, file and/or sand paper, if on-site length trimming of Footsures is required).

### FITTING GUIDELINES (Direct onto wheelchair Footplates, or Footplates with permanently attached individual Footboards)

Position one Footsure onto the corresponding wheelchair footplate in the correct position to suit the user. The Footsure length should also be checked and marked at this stage, as some trimming may also be necessary. Check for any obstructions on the underside of the wheelchair footplates and avoid these when drilling your mounting holes.

Using each pre-drilled Footsure as a template, drill two holes through the wheelchair footplates (and individual Footboards where applicable).

### FITTING GUIDELINES (Where a "One Piece" Footboard is fitted)

Position both FOOTSUREs onto the wheelchair Footboard in the correct position to suit the user

Check for any obstructions on the underside of the Footboard (unclip and remove to check, if required) and avoid these when drilling your mounting holes.

Using each pre-drilled Footsure as a template, mark the hole positions on the top of the Footboard.

With the Footboard removed from the wheelchair footplates, transpose the marked hole positions on the upper face to the underside of the Footboard.

(continued overleaf)



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Using the 20mm Counter-bore bit, bore in to the underside of the Footboard approx. 1.5 – 2mm. Then, using an 8mm bit, drill through the Footboard, in the centre of the Counter-bore.

Install the M6 “T” Nuts supplied and tap into the underside of the Footboard until flush.



Any trimming of the Footsures can now be done easily using a hacksaw and file.

**NOTE:** After trimming, the top front corners must be radiused and sanded to remove any sharp edges.

**DO NOT ATTACH FOOTSURES TO FOOTPLATES or FOOTBOARDS at this stage.**

### **CUTTING Ankle and Toe STRAPS to size**

Each strap supplied must be cut into two parts, (this can be done using a sharp knife).

It is suggested that a shorter strap with buckle, should be cut to a length of between 50 and 100mm (2" to 4") from the Buckle rivet. (This measurement is for guidance only and will vary according to individual requirements, i.e. the Ankle Strap buckle should rest comfortably on the outside of the user's foot approximately 25mm above the Footsure side wall).

The remaining cut length may require further trimming for use, according to the application.

Toe straps will normally have the buckle mounted centrally or slightly towards the outside.

### **ATTACHING Ankle & Toe STRAPS**

Select a position on the Footsure sidewall in the ankle area that will give an approximate strap angle of 45° over the users instep.

Drill a 5mm hole through each sidewall, 20mm (3/4") from the top edge.

Use the hole punch to make a 5mm hole through the opposite end of the leather strap to the buckle.

The shorter ankle straps with buckles should be fitted to the outside face of the outer Footsure walls, using the M5 screws with plain washers through from the inside and plain washers and Nylock nuts on the outside. The



longer ankle straps are attached to the outside of the inner walls using the same method.

**NOTE:** As the straps are not intended to pivot around the mounting screws, the retaining nuts should be tightened sufficient to pinch the strap against the Footsure wall.

The installer should decide the correct positions for the Toe straps.

Drill as before but attach the Toe straps to the inner surface of each side wall, placing a plain washer over each M5 screw before pushing screw through strap and side wall. Secure on the outside with plain washer and M5 Nylock nut.

### **ATTACHING FOOTSURES**

Re-attach the “One Piece” Footboard to the wheelchair Footplates, where applicable.

Both Footsures can now be attached to the wheelchair Footplates or Footboards using the M6 x 20mm Countersunk Screws through from the top and securing with washers and Nylock nuts on the underside of the Footplates, OR screwing directly into the previously installed “T” Nuts in the underside of the Footboard.

Tighten all screws sufficient to prevent any movement.



### **PRODUCT MAINTENANCE**

*To ensure this device remains safe, serviceable and reliable throughout its period of use, RMS Ltd recommends it be inspected for wear, damage and security of components at 6 monthly intervals.*

*(For very heavy users the period between inspections should be reduced accordingly)*

*Any worn or damaged components should be replaced as soon as possible with original equipment parts available from RMS Ltd.*