

When the cladding strip has been bent and fitted to the Matrix please check that there is a **gap** (created by the two washers) between the 4ball and the strip as shown. If the spacer and retainer washers are not in place then the centre of the 4ball could be overloaded when the screw is fully tightened.



### 5. FINAL POINTS TO REMEMBER

- ☑ When fitting the cladding do not drill out the centre of the 4ball.
- ☑ Check all cladding fasteners periodically to see if they are tight.
- ☑ Mind the gap—make sure that the retainer and spacer washers are in place so that 4ball central boss is not overloaded when screws are tight.
- ☑ Make sure that serrated washer is fitted beneath head of screw.
- ☑ The 4 prongs of the T-nut should clear the central boss of the 4ball and not dig into it.
- ☑ Periodically check that the cladding strip is not overloaded, that is, its shape is not distorted.

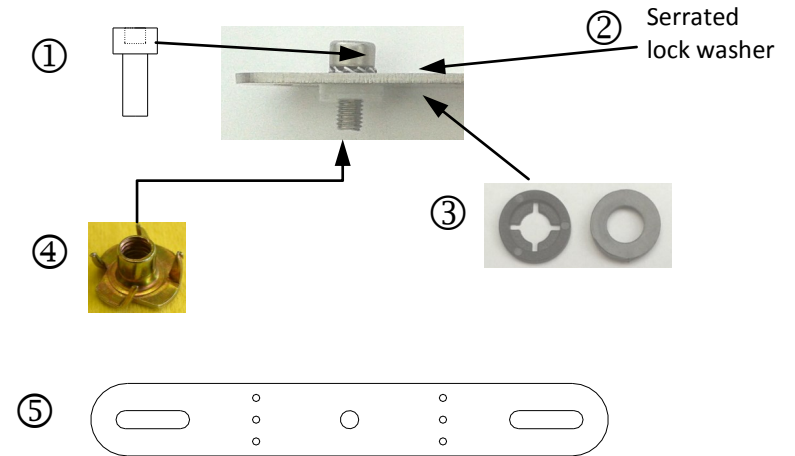


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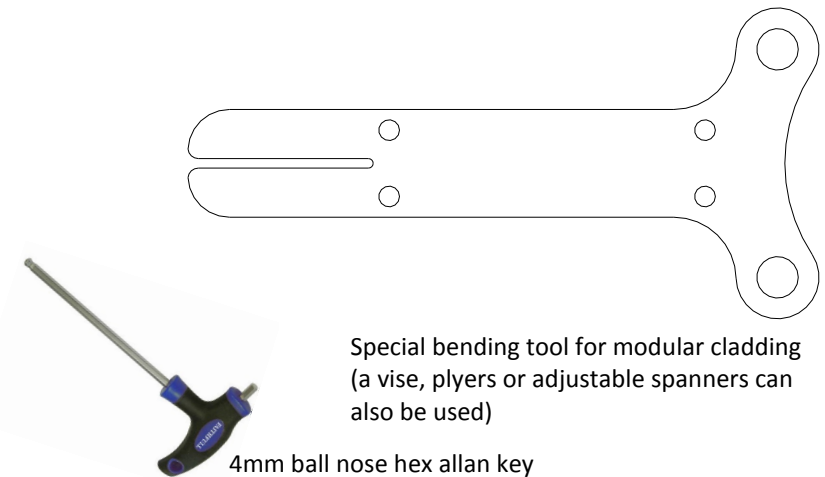
## USER GUIDE 6: Modular Cladding

### GENERAL DESCRIPTION OF PARTS AND TOOLS:

#### PARTS:



#### TOOLS:

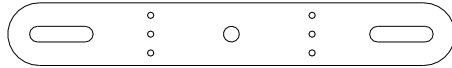


The user of this equipment, including carers and professionals who may adjust and handle it, should study these Instructions. These Instructions contain important information about the use and application of Matrix Modular Cladding. Because of the clinical and safety ramifications of misuse, injury to the user or others could result if you are unclear about how it works. Please keep these Instructions to refer to later.

*Matrix Seating Limited (MSL) accepts no liability from mis-application of this product.*

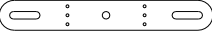

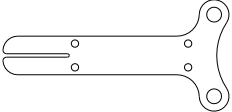
### 3. INTRODUCTION:

The 2 slot modular cladding strip is for localised reinforcement of the 2nd and 3rd generation Matrix seating shells and Backs. The cladding strip is bent to fit the Matrix seat or back across three 4ball units. To facilitate bending, two rows of three small holes are incorporated in the design. The slots at either end allow for the locking screws to move to accommodate the varying circumferential length (between the 4balls) created when the strip is bent and fitted to the outside of the Matrix.



### 4. HARDWARE:

The modular cladding strip is made of Stainless Steel and has 2 slots at either end and a hole in the centre (all to fit M5 hardware). It has two rows of small holes (3 in a row) on either side of the central hole to facilitate bending when initially fitting the cladding strip a pre-shaped and tightened Matrix support. The main parts are:

1. The Stainless Steel strip, 2mm thick, 20mm wide and 140mm long 
2. Hardware: M5 Stainless Steel screws, locking washers, retaining and spacer washers supplied pre-assembled on the strip, plus 3 loose T-nuts  **X 3**
3. The Bending tool can be used to bend the strip about the row of 3 small holes and fits around the screw and washer assembly allowing bending without removing this hardware. 

#### 4.1 OVERVIEW OF FITTING THE HARDWARE

The strip is fitted to 3 consecutive 4ball units as shown. It is bent using the Bending Tool. It is fitted using the specially shaped T-nut on the patient side of the Matrix and the spacer and retaining washer on the other side of the 4ball.

Offer up the strip to the three 4balls that will be reinforced. Bend one end of the strip with the bending tool to the approximate angle of the Matrix. Do a trial fitting and re-bend if necessary. Do the same to the other end of the strip. Once the strip is fitting satisfactorily push the T-nuts into the inside of the



Matrix sheet—there is no need to drill out the centre of the 4ball, the M5 T-nut has been shaped to fit without drilling. Start the screw with the 4mm T handle hex key—repeat with the other two screws and T-nuts.

#### 4.2. BENDING THE CLADDING

Offer up the strip to the three 4balls that will be reinforced. Bend one end of the strip with the bending tool to the approximate angle of the Matrix. To do this, insert the cladding into the **Bending Tool as shown in Picture A**. It fits around the spacer and retaining washers so they do not need to be removed, **Picture B**.

Do a shape trial fitting and re-bend if necessary. Do the same to the other end of the strip. Once the strip is fitting satisfactorily push the T-nuts into the inside of the Matrix sheet—there is no need to drill out the centre of the 4ball, the M5 T-nut has been shaped to fit without drilling. Make sure that the 4 prongs of the T-nut do not cut into the centre boss of the 4ball and damage it. Tighten the first screw with the 4mm T handle hex key—repeat with the other two screws and T-nuts.

