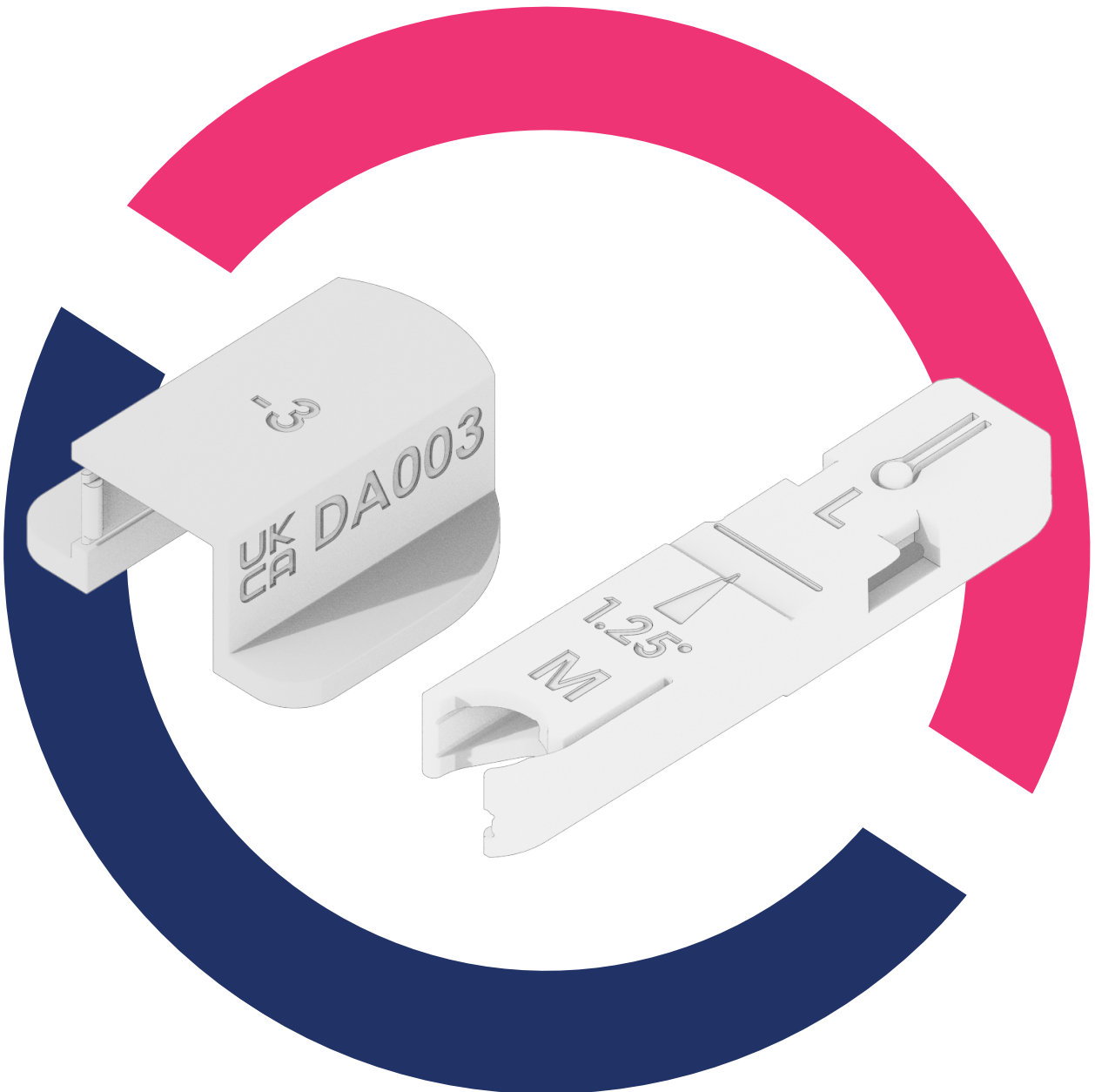


Depth and Angle Adaptor

Surgical Technique





Overview

The Eventum Depth and Angle Adaptors are to be used with the provided Enztec Premium Patella Saw Guide as a surgical aid for patella resection. The aim is to perform an initial conservative cut and then a controlled adjustment of the depth and angle of patella resection. The adaptors attach to the provided cutting guide device and allow the user to change the depth and/or angle of the cut applied.

Please refer to the IFU for further information.

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Preparation for Patella Resection

Proceed with preferred surgical workflow for resecting and resurfacing the tibia and femur.

Place the leg in extension and evert the patella by at least 90 degrees. Remove the soft tissue from the patella, apart from the insertion sites of the quadriceps and patella tendons.

Examine the patella and evaluate any damage to determine the amount of bone that should be resected.

Use a standard calliper to measure the total thickness of the patella, at its thickest point, to the nearest mm.

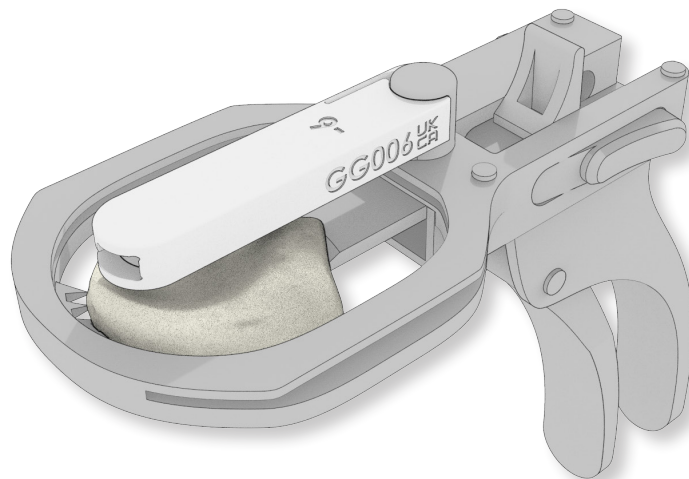
Determine the desired level of patella resection, taking into consideration the total anatomical thickness and patella implant configuration.



Figure 1

Clamping the Patella

Figure 5



The Cutting Guide has a ring structure which is placed around the patella.

The ridge on the lower side of the First Cut adaptor should be in contact with the surgeons chosen reference point, usually the apex of the articular surface of the patella.

Whilst maintaining contact between the adaptor and the patella, position the Cutting Guide so that the lateral edge of the patella is in contact with the lateral clamp teeth.

The medial clamp teeth move to meet the medial edge of the patella to clamp the patella in place. To move the teeth, squeeze the clamp trigger (Figure 5).

To unclamp the patella, press the two release buttons simultaneously (Figure 6). This should remove the medial clamp teeth from the patella.

If the medial clamp teeth are stuck, manually pull them back using the top lever.

Figure 6a

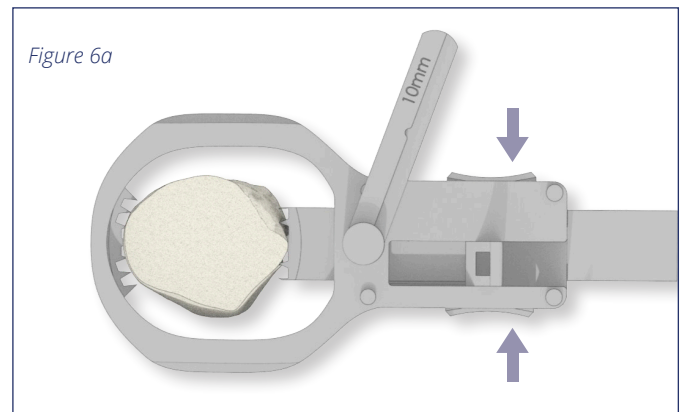


Figure 6b



Initial Patella Resection

Figure 7



Once the cutting guide is securely and correctly clamped to the patella, swivel the stylus to the side and use an oscillating saw to cut the patella through the saw slot.

This 6mm resection will create a flat surface on the patella to work with.

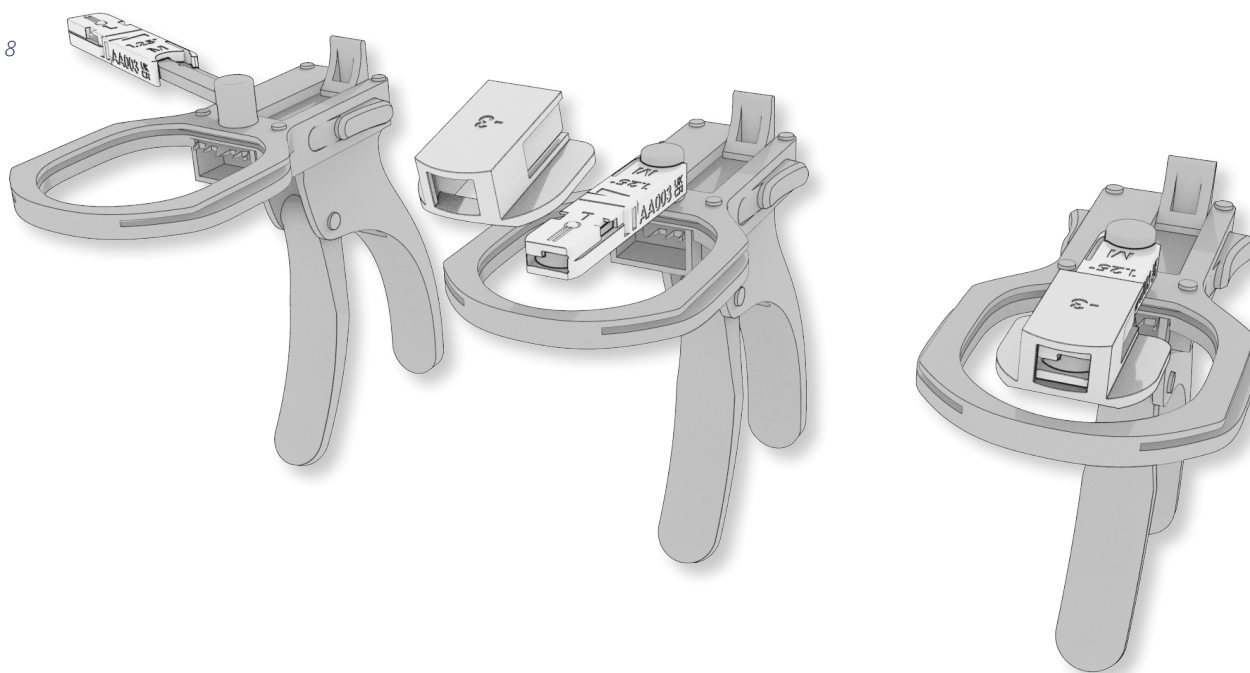
After completing this initial resection, unclamp the patella using the dual release buttons. Remove the First Cut adaptor from the stylus.



Check that the patella is securely clamped in place before using the saw.

Attaching the Depth and Angle Adaptors

Figure 8



The surgeon should now assess the resection and determine the depth and angle of an additional cut to prepare the patella for the implant.

The surgeon can then use depth and angle adaptors to complete the additional cuts to achieve the desired resection.

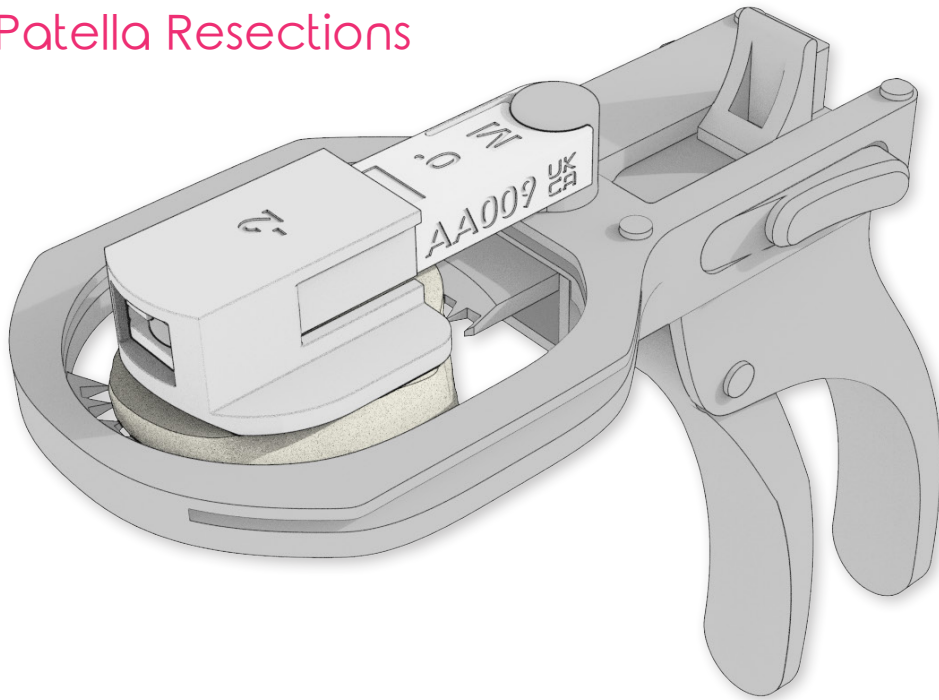
First, an angle adaptor needs to be inserted onto the stylus. The angle adaptor will lock into place around the stylus to secure. The angle adaptor should be positioned so that the debossed lettering is facing up, away from the patella.

The angle adaptor is designed so that it can only be attached to the stylus in the correct orientation (Figure 4).

Attach the depth adaptor over the angle adaptor by bringing it down onto the end of the angle adaptor and then sliding back towards the handle. The depth adaptor will secure with a click.

Additional Patella Resections

Figure 9



When an angle and depth adaptor are securely attached to the Cutting Guide, clamp the patella using the clamp trigger to drive forward the medial clamp teeth. The depth adaptor should be resting against the flat surface of the patella created by the initial resection.

After clamping the patella, remove the depth adaptor from the stylus, then swivel the stylus and angle adaptor to the side.

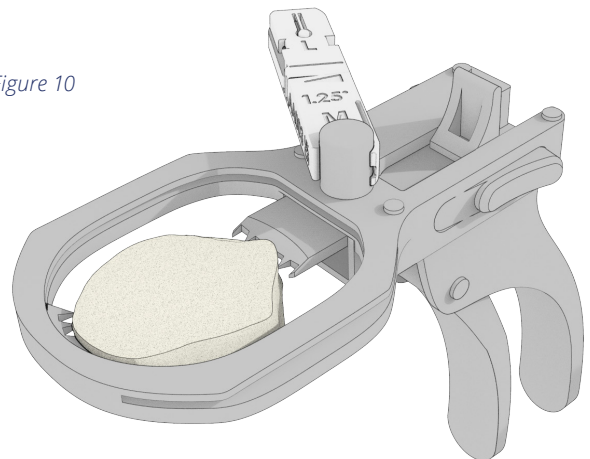
Hold onto the angle adaptor, at the stylus swivel point, whilst removing the depth adaptor.

! Ensure you do not press the dual release buttons whilst removing the depth adaptor.

Complete the resection using an oscillating saw through the saw slot.

Unclamp the patella using the dual release buttons.

Figure 10

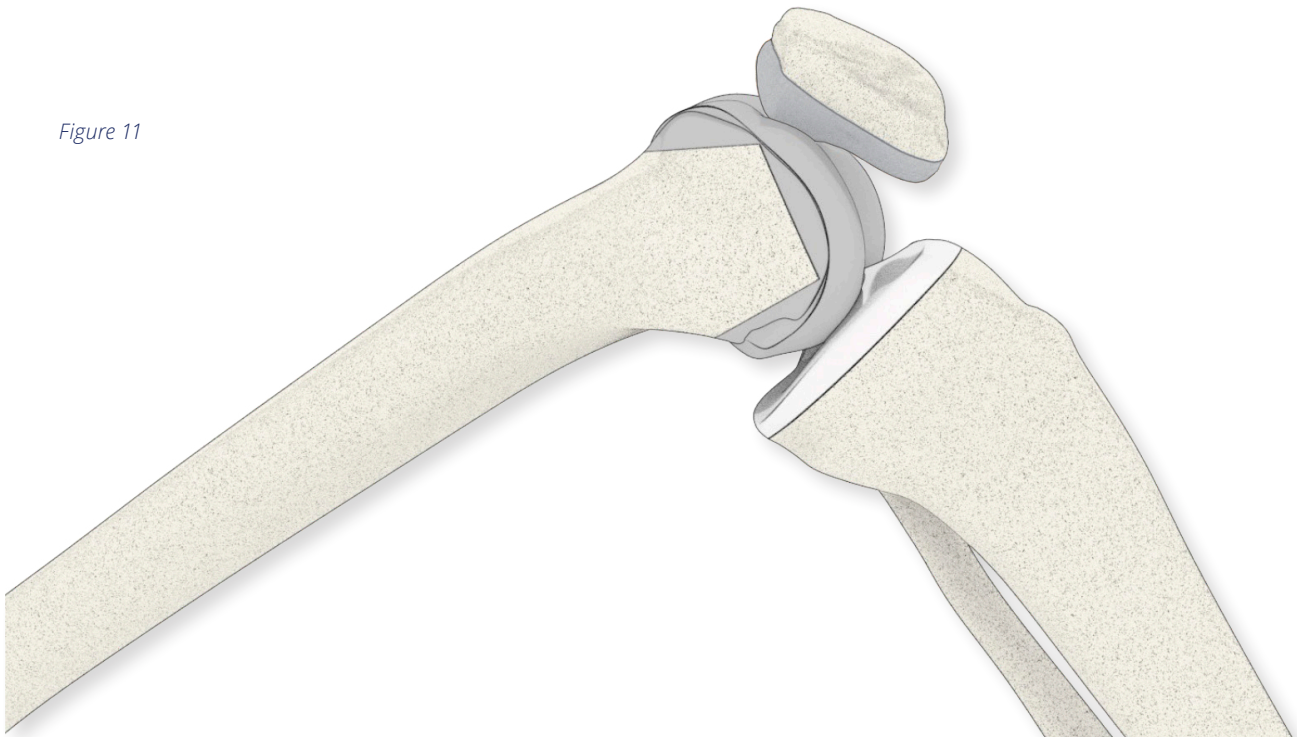


Assess the new resection and determine if additional resections are required.

! Ensure that the final thickness of the resected patella is greater than 12mm, to reduce the risk of patella fracture.

Placement of the Patella implant

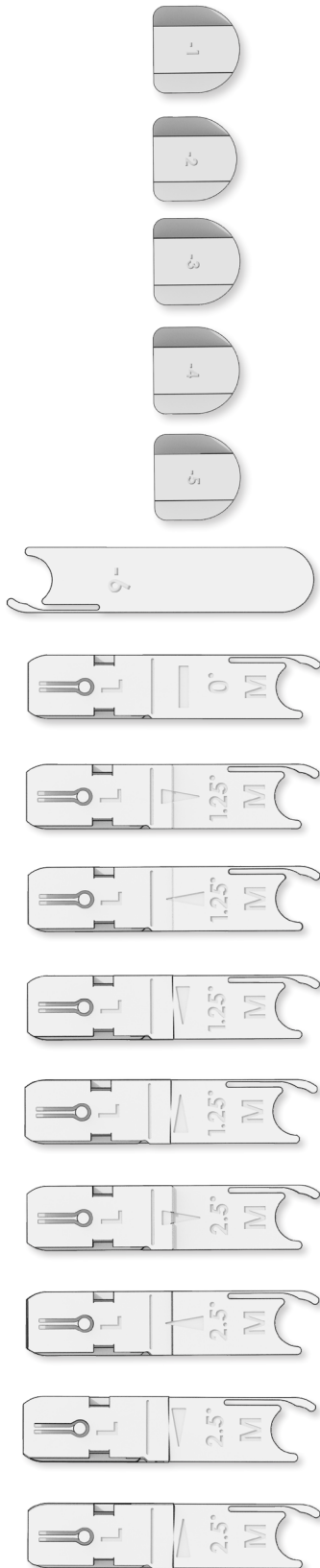
Figure 11



The surgeon should then follow the final steps of the patella implant procedure they are using.

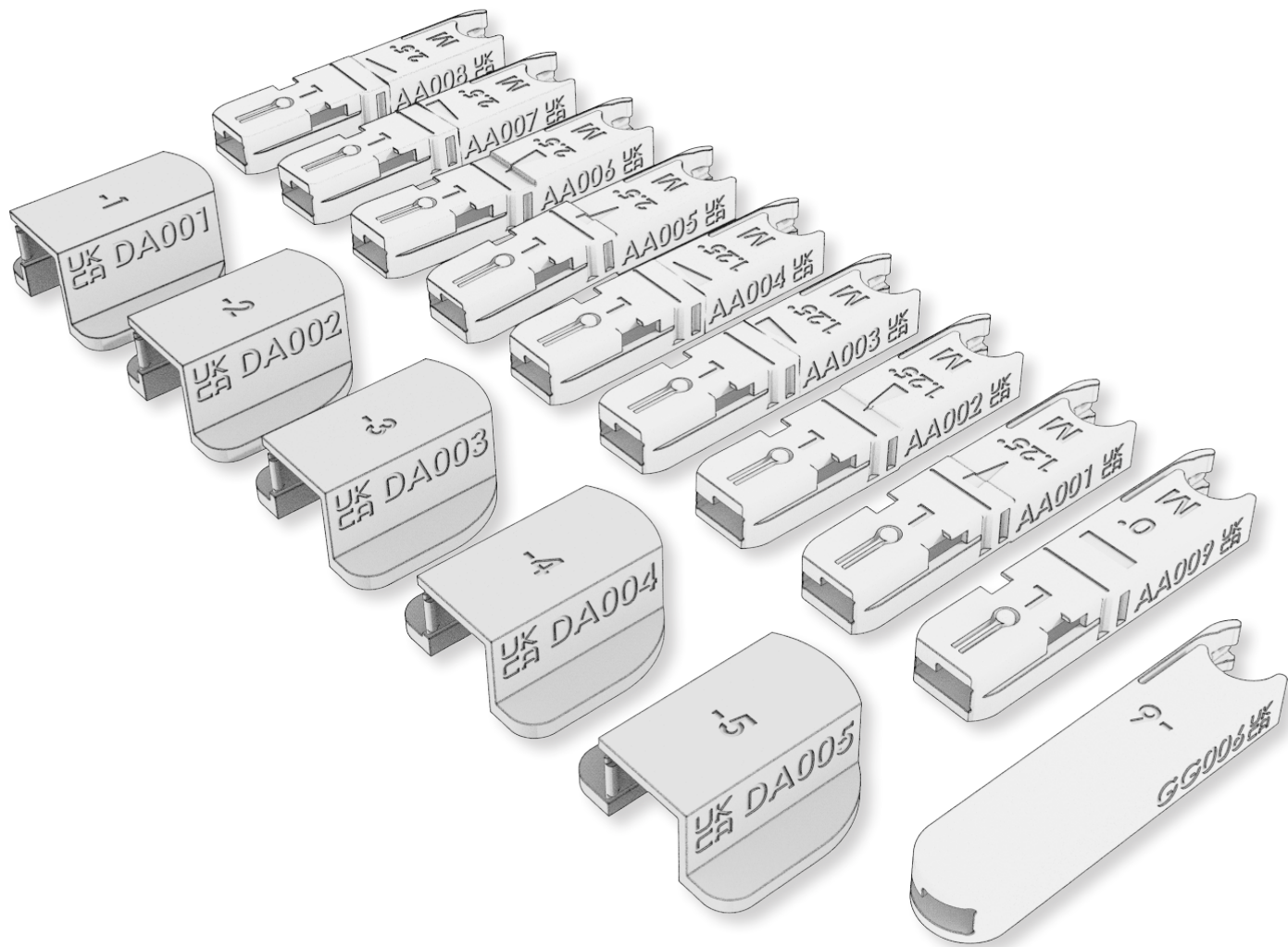
Assess knee mobility and prepare the incision site for close.

Appendix Device Components



Name	Product Code
Cutting Guide	4240-4310
1mm Depth Adaptor	DA001
2mm Depth Adaptor	DA002
3mm Depth Adaptor	DA003
4mm Depth Adaptor	DA004
5mm Depth Adaptor	DA005
First Cut Adaptor	GG006
Neutral Angle Adaptor	AA009
1.25 Degree Angle Adaptor	AA001
1.25 Degree Angle Adaptor	AA002
1.25 Degree Angle Adaptor	AA003
1.25 Degree Angle Adaptor	AA004
2.5 Degree Angle Adaptor	AA005
2.5 Degree Angle Adaptor	AA006
2.5 Degree Angle Adaptor	AA007
2.5 Degree Angle Adaptor	AA008

Appendix Device Accessories





Accessible innovation designed
to improve patient outcomes



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