Zipped Cosmesis
Zipped Cosmesis

Safety Checklist

- The operator must be suitably competent and experienced with the machinery to be used.

- When machining (routing) the inside of the foam ensure that the cosmesis is not excessively loose around the socket and has only enough clearance to allow for the zip to be operated without strain.

- Prior to Shaping the cosmesis foam must be secured to the socket with Velcro to ensure that it cannot slip down the limb.

- Suitable tooling must be used to avoid the foam snatching or grabbing.

- If at any time the cosmesis shows signs of being thin or unstable whilst machining, manufacture should cease immediately.
Finish

Apply stockings for finish

Rout out internal above knee section so that the internal circumference of the foam is 2–3 cm larger than the socket so that the foam is not under any tension or strain and is easy to re-fit onto the socket area.
**Floating Patella**

1. Shape a patella from the blank provided; it must fit snugly into the knee hole so that it remains in place without distorting the knee hole shape.

   a. Cut a strip of Tubigrip 100mm wide. Reinforce the proximal internal cavity with a strip of Tubigrip 150mm wide (stretch transverse). Bond with Thixoifix (glue both sides and allow to dry). N.B. Do not stretch tubigrip during application.

   b. Cut two pieces of self adhesive Velcro (loop) 120mm long. Position one piece anteriorly and one piece posteriorly.
Zip installation

5. Apply glue to the posterior edge of the foam.
6. Re-fasten the zip and allow the second half of the material to hang down inside the foam from the edge of the zip.

7. Close the foam ensure the tow edges are aligned correctly and tape in position using masking tape.

- Cut foam to length
- Remove Dust particles
- Fit to limb ensuring the foam is under slight compression
- Attach foot
• Shape to Size using suitable tooling, allowing 10-20mm over in circumference to allow for compression of Stockings

• Check Shape with Patient & Adjust accordingly.

Zip installation

1. Unfasten the zip.
2. Apply glue to the zip material leaving 1cm from the zip teeth free from glue to allow for movement.
3. Apply glue to the inside edge of the medial cut and allow to dry.
4. Stick the front half of the zip in place from bottom to top ensuring the teeth are in line with the inside edge of the foam.
Zip installation

8, Reach inside the foam and stick the zip material in place ensuring it is not able to lose its positioning.

9, Remove the tape, open the foam using the zip and ensure that the zip material is stuck and secured in place. Ensure there are no large creases in material that could become trapped in componentry or in the teeth of the Zip.

10, Cut Zip to length and apply crimps.

Knee Cut

1, Flex and extend the limb to ensure that the cosmesis is sitting in its correct position relative to the knee and the foam is not under any tension or compression.

2, Mark the knee centre on the front of the cosmesis

3, Remove the Cosmesis from the Limb

4, Place the Template over the knee area centre using the mark made

5, Cut through the foam using a sharp knife keeping the cut as smooth and continuous as possible. Remove the cut out section.
**Medial Cut**

1. With the Foam still removed from the limb, cut the foam medially along its entire length with a sharp knife.

**Knee Hole Reinforcement**

1. Affix the square knee reinforcing patch over the knee hole on the inside of the foam.