

FABRICATION INSTRUCTIONS

THREADED LAMINATION ADAPTER

1. “Temporarily attach the foot to the threaded adapter by threading it completely into the housing, then mark the position (anterior or posterior). This is to ensure the adapter is not in the wrong orientation once fabrication is complete. Remove the foot when finished.
2. Score the surface of the lamination adapter for better adhesion.

SINGLE STAGE LAMINATION:

- Apply inner PVA bag over model.
- Add double layer of perlon stockinet, with distal carbon or nyglass reinforcement.
- Tie unidirectional carbon strips or tape through the prong holes.
Secure in AP/ML position.

TWO STAGE LAMINATION:

- All surfaces must be roughened prior to applying the second lamination.
 - Transfer alignment and fix the lamination adapter to the inner socket layer with bonding agent (i.e. resin mixture, putty, adhesive, etc).
3. Apply o-ring to base of lamination adapter threads to prevent contact with resin.
 4. Apply mold release to threads of lamination cap and tighten onto adapter.
 5. If necessary, apply nyglass or carbon layers under adapter ears for reinforcement.
 6. Add double layer of perlon stockinet.
 7. Proceed with layup materials appropriate for the individual.
 8. Tie layup material into distal groove.
 9. Apply outer PVA bag and laminate socket. Ensure that resin saturates all layup material.
 10. Once cured, remove excess resin and PVA bag. Then remove lamination cap and o-ring.
Note: Ensure that no resin remains on the threads.
 11. Screw threaded adapter completely into housing. Torque clamp screw to 5 N·m (44 in·lbs). Don CPI sock and foot shell.
 12. For growth plate assembly, refer to the Scout Threaded Lamination Adapter Growth Plate Kit Instruction Sheet (included with growth plates).

For further questions, please contact College Park Technical Service.



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