

INITIAL BRACE APPLICATION



1. To start, unfasten all straps and the AMS wrap. The leg must be in full extension when brace is applied. Place the hinge slightly above (approximately 15 mm) the joint line so the brace can properly seat itself.

NOTE: For easy fitting by one person. Ask patient to lay on his/her stomach. Apply the brace and ask patient to turn around.



2. Beginning with the AMS wrap just below the knee, fasten the wrap snugly, as this will aid in brace suspension.



3. Stabilise the brace by loosely attaching the distal anterior thigh strap.
4. Next, snugly fasten the distal anterior tibial strap by inserting it through the slot in the lower subshell while centering the tibial shell on the Tibia.



5. Fasten the proximal thigh strap by inserting it through the slot in the upper subshell.



6. Fasten the anterior distal thigh strap and center the femoral shell so that the hinge is centered at midline (A/P) on the knee.



7. Fasten the distal posterior thigh strap to affix the hinge in its centered position at midline A/P.



8. With patient in standing position and leg in full extension, place the desired shear knob in the diamond shaped hole on the spool. Slowly turn the shear knob in the clockwise direction until the shear knob breaks. Discard the two pieces of the shear knob.



9. Place the DTS sticker on the spool to cover the diamond shaped hole. This is to prevent the patient and/or anyone other than the healthcare provider from adjusting the spool. Provide instructions for use to the patient. Instruct the patient never to remove the DTS sticker and never to adjust the spool.



ADJUSTING DYNAMIC TENSIONING SYSTEM



10. Remove brace from leg if patient is still wearing the brace.



11. Unfasten the DTS system from the AMS wrap.
12. Flip the DTS system so the underside is exposed.



13. Insert a pen/screwdriver into the hole in the pawl and apply outward force in the direction of the arrow to disengage the pawl from the spool. While holding the pawl in the disengaged position, pull the cable out of the DTS, (this will unwind the cable and cause the spool to spin in the counter clockwise direction) until the DTS slides freely on the cable.



14. Center the DTS by pulling the DTS away from the brace and centering it between the uprights, (ensure that the cable is equal length on each side of the DTS).



15. Place the desired shear knob into the diamond shaped hole on the spool and slowly turn the shear knob in the clockwise direction approximately a half turn to lock the DTS onto cable.



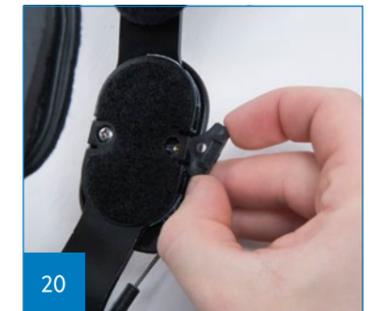
16. Flip the DTS back over and re-affix in its original position on the AMS wrap. Note: The cables should be loose but of equal length on each side of the DTS.

17. Repeat steps 1-9 in the "Initial Brace Application" instructions to re-tension the DTS.

ADJUSTING THE RANGE OF MOTION



18. Remove the condyle pads from the medial and lateral hinges.



19. Remove retaining screw. Using a PH1 screwdriver, slide the flexion/extension stop out of the hinge.



20. Re-apply the desired flexion and/or extension stop. Gently secure it with the retaining screw (DO NOT OVER TIGHTEN).

21. Follow the same procedure to change the stop on the opposite side.

22. Re-apply the condyle pads from the medial and lateral hinges.