

Required Measurements



A length measurement from MTP and the fibula-head to the floor



M/L measurement at the knee center



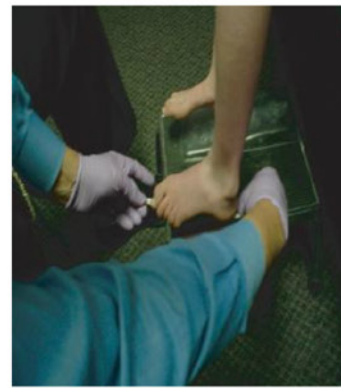
M/L measurement at girth of the calf



Circumference at the girth of the calf



M/L at the ankle

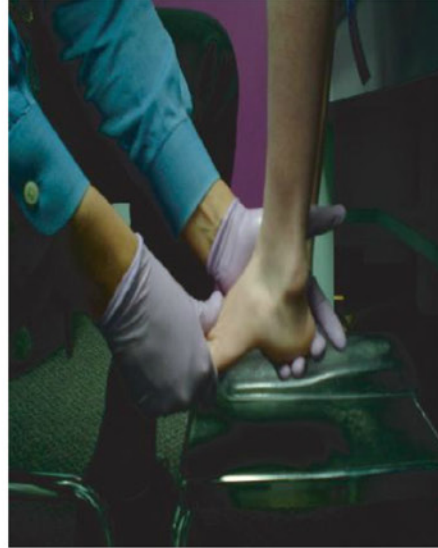


Length of the foot

Required Measurements



Dorsiflexion Range



Plantarflexion Range



Pre-position for Heel Height



It is very important to position
the forefoot to neutral

Please note if forefoot posting is
needed on the work order

Casting Procedure

(Anterior & Posterior Dynamic AFO's)



Position the patient, after applying the hose and trim-strip, to ensure the ease of obtaining your desired positioning with the fiberglass applied.

Consider the position of the knee and femur as well as the ankle in all three planes.

If considerable force is required to obtain a desired position, this procedure may need to be altered.

We do not wedge casts as it consistently proves to reduce the quality of the fit of the orthosis. If the practitioner chooses to wedge the cast, we always assume the cast is in the same position the practitioner wants the orthosis built to.



Begin the wrap at the middle of the patella and proceed down. This will assist with our ability to align the direction of the motion with the knee motion.

Wrap all the way to the ends of the toe so we can assure the carbon does not extend beyond the toes.

Mark anatomical landmarks and bony prominences.



Align the leg to a 90 degree sagittal positioning with the appropriate heel height foot board.

Align the frontal positioning so that the knee is maintained directly above the ankle. Pay special attention to the rotation of the foot to maintain the desired toe-out.

The non-weight bearing weight of the extremity will produce a small flat area on the plantar aspect of the cast; this is used to determine the alignment. If you would like the forefoot posted, ensure it is noted on the work order.



Reposition the foot in all three planes.

Position the heel height board to place the transition at the base of the fifth.

Evaluate the rotation of the foot while maintaining the arch support.



Ensure the knee center is directly over the ankle center.

Allow the cast to cure as to prevent distortion during removal.

Evaluate and note any discrepancies from the positioning you would like in the orthosis.