

## Casting for the South West AFO ([www.pttd.com/Casting.html](http://www.pttd.com/Casting.html))



Perhaps the single most important element in successfully fitting the patient is the cast impression (negative). It is assumed that at this point the patient's lower limb can be placed into a biomechanically correct position. The patient should be seated in a firm chair with arm rests. The foot must easily reach the floor and be somewhat plantargrade to begin. Once the casting position is established, the patient must not alter his or her position in the chair. Any such movements will certainly change the pre-determined knee flexion and dorsi-flexion angles. A contoured foot board is suggested.

### The pre-casted position of the lower limb should be as follows:

- Hip at 90-95° of flexion;
- Knee at 90° of flexion;
- Foot / ankle at 90° on a 3/8 inch contoured foot board (shoe heel height);
- Induce subtalar neutral at 90° on contoured foot board.
- Verify forefoot is neutral or where desired.

### Identify and mark the following landmarks:

- Lateral malleolus and 2" proximal to it
- Achilles tendon
- Apex of posterior calcaneus
- Navicular
- Base of the fifth metatarsal head
- Medial malleolus
- First tarsal
- Proximal and distal aspects, medial side of first metatarsal head
- Carefully establish and mark the distal trimline for the footplate.



Place surgical tubing over the cast sock and have the patient maintain the hose on the center of the knee. Without tension, apply one roll of elastic or plaster bandage followed by one roll as it sets. Hold the foot/ankle in 90° subtalar neutral position. As the plaster sets, recheck the position of the ankle, knee and hip.

The position of the casted limb should be identical to that of the pre-casted limb. Finally, index (alignment marks) the cast, remove from patient, staple together, and clearly label the cast. Plaster casts should be given time to completely setup before boxing/shipping.

Pack cast securely to avoid depressions or damage caused by shipment. Completely fill out the work order noting any difficulties/corrections with the cast. SWOD will do its best to fix or modify substandard casts but is not responsible for incorrect casting methods or incomplete/inaccurate work orders. Please call with any questions (480-703-9433).

## Email notification:

If you would like to be notified via Email when your order is shipped, please provide us your email address and we will add it into our system: \_\_\_\_\_

You can also email us at [SWODAF0@yahoo.com](mailto:SWODAF0@yahoo.com) with your address.

## Accounts / Credit Policy 2009

The following is our current Accounts/Credit Policy. If you have any questions or concerns, feel free to contact our Accounts Department at (480) 703-9433.

South West Orthopedic Designs currently offers Free Shipping (*ground*) to all customers **if** their accounts are **paid in full** within the 45 days after delivery of product. Accounts not paid in full after 45 days will have the shipping charges added back on to their invoices.

*{South West Orthopedic Designs **SWOD TEAM Members** receive additional perks such as no extra charge for RUSH orders and FREE 2<sup>nd</sup> day shipping. Not a **SWOD TEAM Member**? Give us a call and find out how to become one.}*

Any account not paid in full after 60 days of delivery of product will be charged a rate of one and one-half percent (1.5%) per month or eighteen percent (18%) per annum. Any account not paid in full after 90 days of delivery may be turned over to collections. If failure to pay according to the terms of the agreement causes this account to be assigned or referred to an attorney for collection, buyer agrees to pay seller's reasonable collection and/or attorney's fees and all court costs.

South West Orthopedic Designs understands that there may be special circumstances related to your account and is willing to work with you. Please call if a situation arises that impedes your ability to provide full payment within the policy guidelines above. We value your business and will make every reasonable effort to come to a resolution suitable to the both of us.

South West AFOs are backed by a one year warranty on materials and workmanship. Because this product is a custom-made, non-resalable item, any misapplication or improper wear voids said warranty. Any AFO incorrectly fabricated due to a work order inaccurately or incompletely filled out will not be accepted as a return. Please contact our office immediately in these matters and double check all work orders before shipping an order.