

## Casting for the South West AFO ([www.pttd.com/Practitioners2.html](http://www.pttd.com/Practitioners2.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 predetermined knee flexion and dorsi-flexion angles.

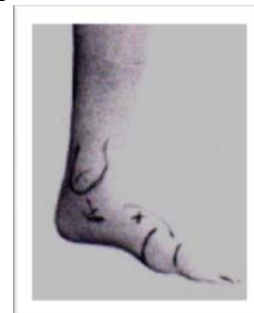
A contoured foot board is suggested.

### 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 (1<sup>st</sup> and 5<sup>th</sup> met. flat to floor) or where desired.

### Identify and mark the following landmarks:

- Bony prominences needing relief
- Lateral malleolus and 2" proximal to it
- Achilles tendon
- 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 forefoot 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 and dry 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, severe corrections, or incomplete/inaccurate work orders. Please call with any questions.

## Email Club and Shipping Notification:

If you would like to join the SWOD Email Club and also be notified via Email when your order is shipped, please provide us your email address on the front of this work order. You will begin receiving email promotions and will be notified as soon as your order ships. *You can also email us at [SWODAFO@yahoo.com](mailto:SWODAFO@yahoo.com) with your address. Start saving today!*

## Material/Fabric Descriptions:

**S.W.O.D. Suede:** microfiber suede material; durable; excellent w/ moisture; easy to clean; reduces slippage; interior/exterior

**P-Cell Lined:** interior only; Pink P-Cell; comfortable; great for sensitive patients, Charcot cases

**S.W.O.D. Hide:** microfiber finished leather material; durable; exterior only; repels moisture; easy don/doff

## Accounts / Credit / Liability Policy 2016-17

### **By ordering a South West Orthopedic Designs product, you agree to the following:**

The following is our current Accounts/Credit/Liability Policy. If you have any questions or concerns, feel free to contact us 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 be charged shipping costs.

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 will 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. SWOD reserves the right to repair or remake a damaged AFO. 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, or due to **substandard casting**, will not be accepted as a return. This includes **moderate** to **severe** cast corrections. All South West AFOs are designed to be used with appropriate footwear.

Any misuse or misapplication of the South West AFO voids all warranties and liabilities. Please contact our office immediately in these matters and double check all work orders before shipping an order. The South West AFO is heat adjustable. Please call ahead if you need an adjustment or modification. We will gladly adjust the AFO to your patient's needs. Damage done to a South West AFO due to improper adjustment techniques will not be accepted as a return. Please call ahead for consultation on all adjustments (480-703-9433).