

HiPro AFO Check Brace Fitting & Casting

Quick Guide

1. Check Brace Initial Fit

- Complete all the normal fitting adjustments:
Heat reliefs, padding, and trim the toe plate for shoe fit.

2. Check Brace + Shoe: Set Forward Inclination

- Place AFO in the shoe on your work bench
- Adjust the shank angle to 7-10° of a forward inclination (forward tilt)

Note: Use heel wedges/SACH material to attain forward inclination and to improve the action of the spring.



3. Anterior Shell Impression

- Reapply the brace to the patient. Place the cutting strip on the lateral side
- Cast the limb with the knee in extension (be sure to limit knee flexion to less than 15°).



- Trim to allow comfortable sitting.



- Angle plaster posteriorly to allow knee flexion. Wrap to mid-patella.



- Wrap the anterior proximal 1/3 of the AFO in fiberglass.



- Massage key holes on sides.



- Massage under patella creating mild PTB groove.



- Capture edge of posterior section. Angle plaster posteriorly to allow knee flexion.

4. Wait

- Let the fiberglass harden completely.

5. Check Brace – Dynamic Assessment



- Apply shoe, stand and walk patient.



- Assess shank angle at mid stance.



- Assure smooth toe rollover into swing phase.

6. Check Brace – Preparation



- Cut the fiberglass off along the cutting strip, remove from patient.



- Align and fasten the anterior shell over the check socket with staples.

