

# AKTIV FOOT

Instructions for use



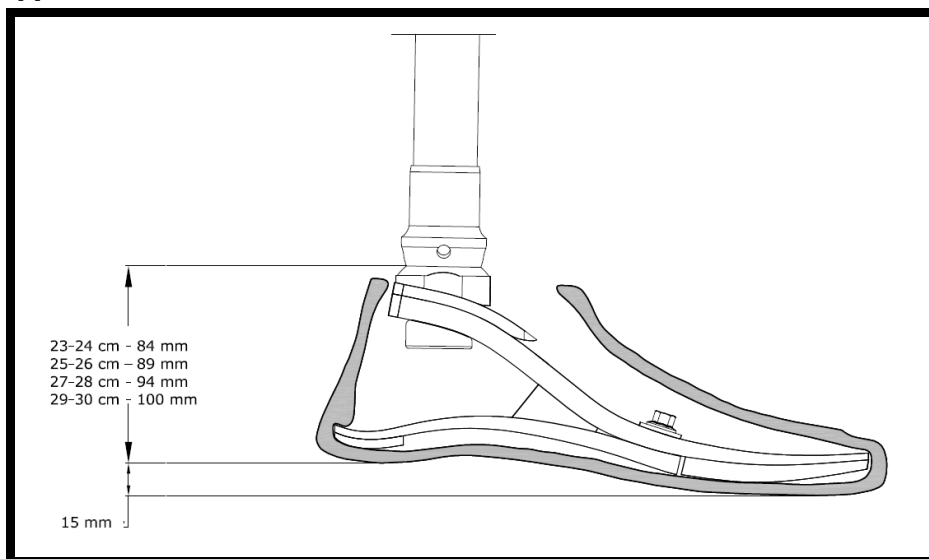
**Composite  
FOOT**

## AKTIV Foot Measurements

- Build height:  
Pyramid adapter 84-100 mm (A)
- Available in 15 mm heel height
- Available in sizes 23-30 cm
- Maximum weight 125 kg

*Note: Select foot category according to activity level. Selection chart is provided in the catalog and on website.*

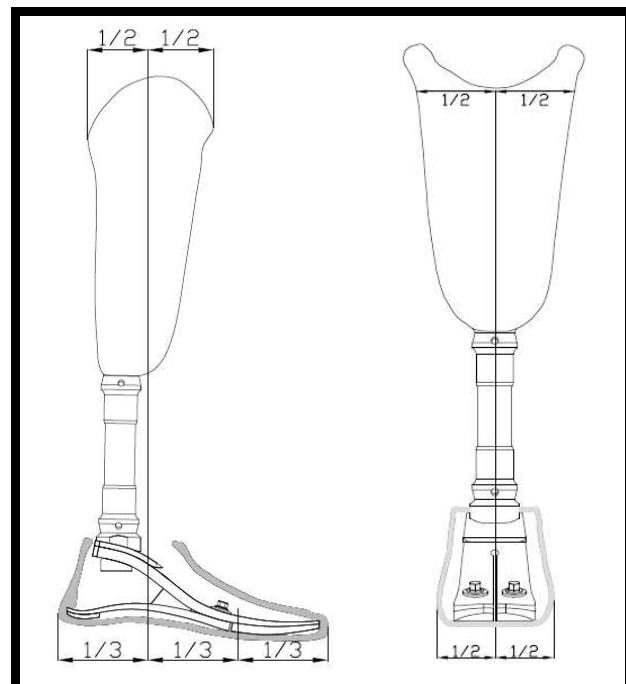
**A**



## Bench Alignment

- Fit foot with selected cover.
- Adjust to appropriate heel height (using the shoe).
  - Introduce appropriate socket angles flexion/ extension and abduction/adduction.
  - Divide the foot cover into 3 equal portions.
  - The load line should fall at the junction of the posterior and the middle third portions as shown in the diagram (the mark on the brim of the foot cover matches the one third portion). (B)

**B**



## Dynamic Alignment

The heel stores energy after initial contact, slowly releasing it at midstance. The forward momentum generated by this action results in the toe being loaded for optimum energy release at terminal stance.

### Heel Stiffness

#### If heel is too soft

- Foot will come to flat position too early (amputee feels he/she is sinking into a hole).
- Extra energy is required to climb up over the toe.
- Toe will feel too stiff.
- Knee may hyperextend.

#### To solve the problem;

- Add polyurethane heel wedge.
- Shift socket anterior (or foot posterior).

#### If heel is too hard

- Rapid heel to toe movement
- At initial contact the amputee has poor control of his prosthesis
- Minimal energy return feeling
- Knee may become unstable

#### To solve the problem;

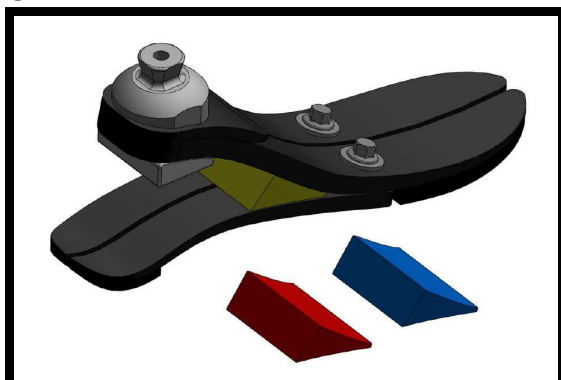
- Replace heel wedge with a smaller one
- Shift socket posterior or foot anterior.

## Heel Wedges

The wedge can influence the heel to toe function. Start altering the heel resistance to improve foot response by adding a heel wedge. The wedges in 3 different stiffness can be added and achieve the desired functional characteristics. (C)

- (1) 70 Shore A – yellow
- (2) 80 Shore A – red
- (3) 90 Shore A – blue

C



## I Temporary Wedge Placement

- Cut the wedge to the width of the foot module.
- Roughen the upper and lower surface of the wedge with abrasive paper.
- Place the wedge in the angle of heel and foot module.
- Secure in position bond to upper surface with tape wrapped around the foot module.

## II Permanent Wedge Placement

- Apply adhesive on the upper side of the wedge only.
- Locate in the foot/heel junction and position before adhesive sets.
- For split toe feet install the heel wedge then remove a thin slice in the middle by cutting with a sharp knife through the split in the carbon foot module.

Instant adhesive is necessary to bond the urethane heel wedge. The adhesive cures in 15-20 seconds. For removal the adhesive may be softened by soaking in acetone or cyanoacrylate adhesive remover.

## Shoe Horn

When removing and installing the cover use shoe horn to avoid damage to foot or cover. (D)

D

