

# Foundation System Stainless Steel 3-Prong AK Base Instructions

## WHAT'S IN THE BOX

Stainless Steel 3-Prong AK Base (FND-268002)  
Lamination Plug  
Instructions

## ADDITIONAL MATERIALS REQUIRED

1" (2.5 cm) wide carbon tape  
3" (76 mm) wide carbon tape  
Petroleum jelly or paste wax, putty, masking tape (optional)

## MODIFYING AN AK ROTATABLE PYRAMID RECEIVER OR ADAPTER

The shape of the three prongs may be adjusted with "bending bars" or other appropriate tools (vise grips, etc.) if desired to achieve a closer fit to the shape of the socket.

## INSTALLATION

### For use with an existing socket

1. Thread 1" (2.5 cm) wide carbon tape through the holes in each of the three prongs of the 3-Prong AK Base.
2. Temporarily attach the 3-Prong Base to the existing socket in the desired orientation, placing the 1" wide carbon tape alongside the socket.
3. Apply petroleum jelly or paste wax to the threads of the Lamination Plug (included with the 3-Prong Base), and insert the Lamination Plug into the center of the 3-Prong Base to prevent resin from entering during lamination. Hand-tighten the clamp screw, then cover the clamp area with masking tape or putty. Fill the hex on top of the Lamination Plug with putty.
4. Cut two 12" (300 mm) lengths of 3" (76 mm) wide carbon tape.
5. Cut a 2" (50 mm) long slit along the midline of each strip of carbon tape at the middle of its length.
6. Place the strips of carbon tape on the adapter so that the center of the 3-Prong Base protrudes through the slits. Orient one strip of tape A-P and the other M-L. Each strip of tape should make contact with at least 1" (2.5 cm) of socket wall that has been prepared for relamination in the standard manner.
7. Pull the desired layup down over the socket.
8. Tie off the layup at the base of the 3-Prong Base.
9. Pull the remainder of the layup down to create a double layer of stockinette over the socket. Make sure that all of the carbon tape stays underneath the layup.
10. Laminate the socket. While the lamination is still warm, remove the masking tape or putty from the 3-Prong Base.
11. Thread the GeoFlex Knee, GeoLight Knee, or male M36 threaded interface component onto the 3-Prong Base, making sure that it is fully engaged. Reinstall the M6 x 25 clamp bolt.

### For use with a new socket

Begin by applying the desired layup. Before pulling the rest of the desired layup over the cast, apply the 3-Prong Base and laminate using the above procedure.

## MAKING ROTATIONAL ADJUSTMENTS

1. Loosen the M6 x 25 clamp screw.
2. Rotate the threaded component to the desired position.

**Note: Be careful not to rotate the threaded component more than a quarter turn from full engagement. Loosening the threaded component too much can cause it to become disengaged from the base.**

3. Apply Loctite 242 (or equivalent) to the M6 x 25 clamp screw and tighten the screw to 9 ft-lbs (12 Nm).

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**WARRANTY**

The warranty for the 3-Prong AK Base is one year from the date of invoice. Use of a 3-Prong AK Base for amputees whose adjusted body weight is greater than 250 lbs (115 kg) or who engage in extremely high and abusive activities is against WillowWood's recommendations and will void the one year warranty. Adjusted body weight is defined as the weight of the amputee plus any loads normally or routinely carried by the amputee. "Extremely high and abusive activities" are defined as activities such as skydiving, karate, and judo; activities that could result in injury to an individual's natural limbs; and activities that expose the prosthesis to corrosives such as salt water.

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