

TRS PRO CUFF DISTAL MOUNT (DM) “PROSTHOSIS” INSTRUCTIONS

Congratulations on the purchase of the PRO CUFF DM. The PRO CUFF DM comes with one thermo-moldable arm cuff, the PDD1000 “Prosthesis” Distal Disconnect Wrist System including the disconnect insert, a hex wrench for securing the insert, a Carbon Fiber Reinforcing Sheet, and 4 Chicago-style binding posts with 4 black washers.

The Pro Cuff DM should be molded to the patient’s arm before mounting the PDD1000. Remove the PDD1000 from the Pro Cuff, then place the entire Cuff in an oven at 120-130 degrees F (DO NOT HEAT CUFF ABOVE 130 F, the plastic may become brittle at higher temperatures), after 10-15 minutes of heating remove from oven and immediately install on patient’s arm. Tighten the BOA winding system until snug, then leave on the patient’s arm until it cools enough to retain the new shape.

The Cuff itself is comprised of an “Outer Cuff” and an “Inner Cuff”. The BOA winding system is attached to the Inner Cuff and the bracket sleeves. The Inner Cuff can be completely removed from the Outer Cuff by peeling off the Velcro anchors of the bracket sleeves.

If the Pro Cuff DM is to be used for heavy duty activities such as weightlifting or other rigorous activities, we highly recommend reinforcing the inside of the “Outer Cuff” under the PDD1000 bracket arms. This spreads out the load and keeps the binding posts from ripping through the cuff material. The Carbon Fiber Reinforcing Sheet can be cut and formed to match the inner curve of the cuff. This can be done with a heat gun or place in an oven for a few minutes at 350 degrees F, but must be done away from the Pro Cuff because of the high heat required to form the carbon fiber.

Installing the PDD1000

(Please refer to the numbered pictures)

Step 1. Slip the PDD1000 into the “sleeves” on each side of the Pro Cuff DM. Adjust the length of the PDD1000 by sliding in or out of the sleeves until you have the optimum clearance between the Wrist System and the patient’s residual limb. Once you find the best position mark the edge of the sleeve on each of the PDD1000 bracket arms (see Picture #1). Remove the Inner Cuff and both sleeves from the Outer Cuff by removing their Velcro anchors. Use a piece of tape to note which is the distal end of the Outer Cuff. Set the outer cuff aside for now.

Step 2. Remove PDD1000 and mark the location of the 4 holes for the binding posts. These should be located 3/8-1/2” inwards from the previously marked edges of the sleeves and each end of the bracket arms. These holes should be on centerline of the bracket arms (see Picture #2)

Step 3. Use a center punch to locate the center of each hole. Drill all 4 holes with a #4 drill bit. Deburr any sharp edges of these holes. (See Pictures #3 and #4.)

Step 4. Slide the PDD1000 back into one sleeve up to the previously marked edge. Clamp the sleeve and bracket arm in position. Using a smooth blunt punch find each hole through the sleeve, press into the sleeve fabric enough to create a small depression. Use a light-colored pen to mark these depressions. (See Pictures #5, #6, and #7.)

Step 5. Heat the end of a blunted steel center punch with a torch until red hot, use this to melt through the sleeve at the previously marked holes. Try to keep the edges of the holes nice and clean. Remove the bracket from this sleeve and repeat these steps for the other sleeve. (See Pictures #8, #9, and #10.) Be sure to remember which bracket arm goes into which sleeve.

Step 6. Once the holes have been burned and cleaned slide the PDD1000 back into the sleeves. Make sure the holes are lined up properly by temporarily inserting the female end of the binding posts into each hole. Place the Outer Cuff onto the patient’s arm, then install the Inner Cuff and the sleeves. Tighten the BOA winding system until snug on the patient’s arm. Make sure the PDD1000 is on centerline of the patient’s arm, adjust the position of the sleeves as necessary. (See Picture #11)

Step 7. Once the sleeves are in the proper location remove the Pro Cuff DM from the patient’s arm. Release the BOA reel by pulling straight out, then pull the Inner Cuff out as far as it will allow. Remove one of the temporarily

installed binding posts, use the existing hole in the sleeve/bracket as a guide to drill through the Outer Cuff using a #4 drill bit. It is helpful to use a small piece of wood under this hole for support while drilling. Be sure the edges are as clean as possible. Install one of the black washers onto the female end of the binding post. Push this through the hole from the inside, be sure the binding post goes up through the hole in the aluminum bracket arm. Apply a small amount of blue Loctite to the threads of the male end of the binding post and screw together, tighten firmly. Do this procedure for all 4 holes. (See Pictures #12 - #17.)

Step 8. It may be necessary to put some light padding over the exposed binding post heads (and possibly the Carbon Fiber Reinforcing Sheet) located on the inside surfaces of the Outer Cuff, for the comfort of the patient.

Please call us for questions and help at 1-800-279-1865.



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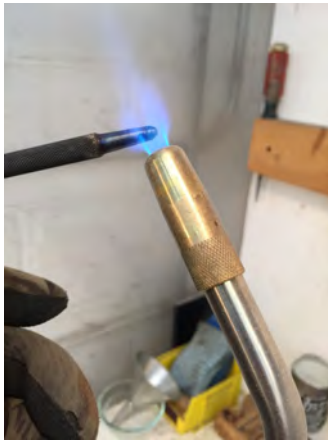
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