

Magnum Titanium 30 mm Adapter/30 mm Composite Tube Instructions

WHAT'S IN THE BOX

One of the following:

Magnum Titanium 30 mm Adapter (MHD-002)

Magnum 30 mm Composite Tube, 400 mm (MHD-30CT), includes tube inserts (2 ea.)

Instructions

INSTALLATION

Note: The 30 mm Composite Tube Inserts included with the 30 mm Composite Tube are required for each end of the 30 mm Composite Tube. A Composite Tube Cutting Guide is also recommended. If you do not have the Composite Tube Cutting Guide, follow the alternate instructions in Step 5.

1. Determine the length to which the Composite Tube should be cut. Make a mark on the Composite Tube at that point.
2. Insert the Composite Tube into the front end of the Composite Tube Cutting Guide until the mark made in Step 1 is visible through the slot in the guide. (The front end of the Guide is the end marked with an "F".)
3. Tighten the Composite Tube Cutting Guide onto the Composite Tube using one of these methods:
 - a. Clamp the guide into a vise.

OR

- b. Tighten the capscrew on the side of the Guide (only when vise is not available).

In either case, the Guide should only be tightened to the extent that the Tube no longer spins inside the Guide.

4. Cut the Tube by inserting a hacksaw through the slot in the Guide. To determine whether you have cut completely through the Tube, pull gently on the Tube at the front end of the Guide. Proceed to Step 6.
5. If the Composite Tube Cutting Guide is not available, wrap tape around the area to be cut to prevent the composite fibers from splintering. Do not pull splintered fibers, since pulling will cause the fiber to "run" the length of the tube. Lightly smooth the cut end using a sander after desired length is obtained.
6. Press a 30 mm Composite Tube Insert into each end of the 30 mm Composite Tube. The inserts should fit snugly and be flush with the ends of the tube.

Warning: Failure to install 30 mm Composite Tube Inserts will lessen the structural integrity of the tube and could cause failure of the prosthesis and injury to the amputee.

7. Install a Magnum 30 mm Titanium Adapter onto each end of the tube and tighten each adapter clamp bolt to 10-12 ft-lbs (14-16 Nm). For subsequent tightening, you may need to increase the torque to 12-14 ft-lbs (16-19 Nm).
8. To cut the 30 mm Composite Tube after the 30 mm Composite Tube Insert has been installed, press the insert slightly farther into the tube so that the 30 mm Composite Tube Insert will not be cut. For definitive assembly, the insert must be pulled back out so that it is flush with the end of the tube. Install a 10 mm bolt into the hole in the center of the insert to facilitate pulling the insert out.

Once alignment has been achieved, apply Loc-Tite 242 (or equivalent) to all pyramid setscrews and tighten the setscrews to 12 ft-lbs (16 Nm)].

INCREASING THE LENGTH OF THE PROSTHESIS

The only way to increase the length of a prosthesis made with Magnum components is to install a longer 30 mm Composite Tube. Do not attempt to increase the length by inserting a spacer of any type into a 30 mm Adapter.

Warning: Inserting a spacer between the pylon and the 30 mm Titanium Adapter may cause failure of the prosthesis and injury to the amputee.

WillowWood[®]

The Ohio Willow Wood Company
15441 Scioto Darby Road
Mt. Sterling, OH 43143
phone 740.869.3377 / 800.848.4930
fax 740.869.4374 www.willowwoodco.com



Ohio Willow Wood Company B.V.
Keizersgracht 62/64
1015 CS Amsterdam
The Netherlands



PN-1475-D 12 SEP 2013

WARRANTY

The warranty for the Magnum Titanium 30 mm Adapter and 30 mm Composite Tube is two years from date of invoice when purchased as part of a Magnum Heavy Duty System, or one year from date of invoice when purchased separately, provided that the component is selected according to the following criteria:

Note: The weights listed below are adjusted body weights. Adjusted body weight is defined as the weight of the amputee plus any loads carried by the amputee.

	Level 1	Level 2	Level 3	Level 4
Titanium 30 mm Adapter	350 lbs 159 kg	350 lbs 159 kg	350 lbs 159 kg	300 lbs 136 kg
30 mm Composite Tube	350 lbs 159 kg	350 lbs 159 kg	350 lbs 159 kg	300 lbs 136 kg
Level 4:	Has the ability or potential for prosthetic ambulation that exceeds basic ambulation skills, exhibiting high impact, stress, or energy levels. Typical of the prosthetic demands of the child, active adult, or athlete.			

Use of a Magnum Titanium 30 mm Adapter or Composite 30 mm Tube for amputees who do not meet the above criteria or who engage in extremely high and abusive activities is against WillowWood's recommendations and will void the two-year warranty. "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.

WARRANTY DISCLAIMER

WillowWood warrants that each product manufactured will, at the time of delivery, be of workmanlike quality and substantially free of defects. WILLOWWOOD MAKES NO OTHER WARRANTY, IMPLIED, OR EXPRESSED, AND MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty shall terminate immediately upon an action to combine our products with other materials or in any manner to change the nature of our products. The sole remedy is replacement of the products or credit for the products. WillowWood's liability shall not exceed the purchase price of the product. WillowWood shall not be liable for any indirect, incidental, or consequential damage.

WILLOWWOOD RETENTION OF RIGHTS

WillowWood retains all intellectual property rights reflected or incorporated in its physical products, regardless of the transfer of the physical products to another party or parties.