SLP350, 351, 353
Seattle LP Foot
Installation and User Guide

28857-001 REV C

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INTRODUCTION

Seattle LP Foot has a dynamic, full-length, split carbon composite keel with a carbon composite ankle. The Seattle LP Foot's foot/ankle system comes assembled in a removable, low profile foot shell. The foot plantar flexes upon heel strike, providing gait stability and impact absorption. In addition, the dynamic split keel allows for greater M/L compliance when walking on uneven surfaces and dynamic response at toe-off.

Product Code	Description	Weight Limit
SLP350	Seattle LP Foot, Caucasian	136 kg • 300 lb*
SLF351	Seattle LP Foot, Light Brown	136 kg • 300 lb*
SLP353	Seattle LP Foot, Dark Brown	136 kg • 300 lb*
SLP350-KIT	Seattle LP Foot Service Kit	n/a
SFC290	Foot Shell, Caucasian	n/a
SFC291	Foot Shell, Light Brown	n/a
SFC293	Foot Shell, Dark Brown	n/a
SFB350	Seattle LP Foot Keel Screw Kit	n/a

*For medium activity

APPLICATION

The Seattle LP is appropriate for amputees who have a medium to high activity level.

Category Selection Instructions

To optimize the selection and ensure amputee's safety, follow the two steps below to determine the appropriate keel.

1. Locate the column that corresponds with amputee's activity level.
2. Within the selected column, locate the amputee's weight

Important Note: If the amputee has a long BK, carries heavy loads or will reach a higher activity level within a year, choose the next category higher.

Warning: Choosing a lower strength keel than what is suggested based on the above procedure and patient data will void the warranty. If your patients weight exceeds the limits of the chart please call Trulife Customer Service.

	Low	Medium-Low	Medium	Medium-High	High
Category	Walking with Aid	Limited Walking	Walking on Uneven Surfaces	Light Sports	Running, Basketball
4 *(sizes 26-30)*	101-136 kg 221-300 lb	101-136 kg 221-300 lb	101-136 kg 221-300 lb	88-118 kg 193-260 lb	81-109 kg 179-240 lb
3 *(sizes 22-30)*	81-100 kg 177-220 lb	81-100 kg 177-220 lb	81-100 kg 177-220 lb	74-87 kg 162-192 lb	68-80 kg 150-176 lb
2 *(sizes 22-30)*	61-80 kg 133-176 lb	61-80 kg 133-176 lb	61-80 kg 133-176 lb	56-73 kg 122-161 lb	51-67 kg 111-149 lb
1 *(sizes 22-30)*	≤60 kg ≤132 lb	≤60 kg ≤132 lb	≤60 kg ≤132 lb	≤55 kg ≤121lb	≤50 kg ≤110 lb

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INSTALLATION AND USE

Recommended installation and use procedures must be followed for maximum safety and service life.

Warning: Never modify the keel, ankle, or pyramid of the Seattle LP Foot. Any modifications to these parts void the warranty and can cause an unexpected failure.

Ankle Installation

- Insert the foot pyramid of the foot into the distal female adapter of the prosthesis.
- Tightening the four set screws to maintain the appropriate alignment.
- Using a 4 mm hex head driver and torque wrench, tighten the set screws to 15 Nm (11 ft-lbs or 133 in-lbs), unless otherwise specified by the installation guide of the mating adapter.

Color Coating

If color coating is desired, remove any remaining mold release from the cosmesis with naphtha before applying color. Naphtha is recommended to improve the adhesion of color coatings, but alcohol may be used as well.

Alignment

The recommendations in this guide provide reliable starting points for static bench alignment of the Seattle LP Foot. Since each patient is unique, final alignment may require additional adjustment.

- To establish anterior/posterior placement of the foot, place the pyramid center 13–25 mm (1⁄2–1 in) posterior to the midline of the socket (Figure 1).
- To establish medial/lateral placement of the foot, position the pyramid center 6 mm (1⁄4 in) medial to the midline of the socket.

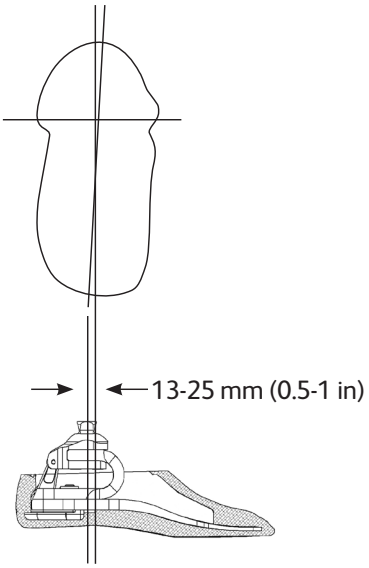

FIGURE 1: Seattle LP Foot Alignment

MAINTENANCE

To maintain optimum performance of the Seattle LP Foot, replacement of the posterior bearing and lateral washers is recommended once a year (more often for very active amputees). To order a Seattle LP Foot Service Kit, SLP350-KIT, contact Trulife's Customer Service.

It is also recommended that the keel screw torque is checked whenever the foot is being evaluated. Proper keel screw torque is 20 ft-lbs (27 N-M). If it is deemed necessary to replace the keel screw and nut, contact Trulife's Customer Service to order a replacement kit, Seattle LP Foot Keel Screw Kit: SFB350.

Bearing and Keel Screw/Nut Replacement Instructions:

1. Remove the keel (#1) by removing the distal Torx drive flat head screw (#8). Note: Use a T-45 Torx drive bit to remove the screw.
2. Remove the nut (#9), from the composite ankle component, and replace.
3. Use a 3/32" hex driver to remove the posterior shoulder screw (#6). Note: Loctite 262 is used to secure this screw. If it seems too difficult to remove, briefly apply heat to the threaded side of the screw. This will facilitate easy removal of the screw.
4. Thoroughly clean surfaces of the lower mount (#7) and upper mount (#3) that come in contact to each other.

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5. Position the replacement delrin bearing (#4) at the apex of the slot in the lower stop component (#7).
6. Place the two Nylatron washers (#5) on either side of the lower stop (#7), and on the delrin bearing (#4).
7. Hold the four components together with one hand, and slide them between the ears of the upper mount (#3) until the bearing lines up with the hole.
8. Apply Loctite 262 (permanent) thread locker, or equivalent, to the threads of the stainless steel shoulder screw (#6).
9. Tighten the shoulder screw to 30 in-lb (3.4 N-m).
10. Allow the lower mount to slide as far down as it will go in the slot, then position the keel (#1) between the C-shaped ankle (#2) and the lower mount (#7).
11. Apply several drops of Loctite 242 (medium strength), or equivalent, to the Torx drive flat head screw (#8).
12. Insert it up through the lower mount, keel and into the nut (#9).
13. Tighten to 20 ft-lbs (27N-M).

Note: You may need to use a wrench to prevent the nut from rotating as the screw is being tightened.

Warning: Failure to follow the installation and use procedures set forth above may lead to structural failure of the components subjecting the user to a risk of serious personal injury.

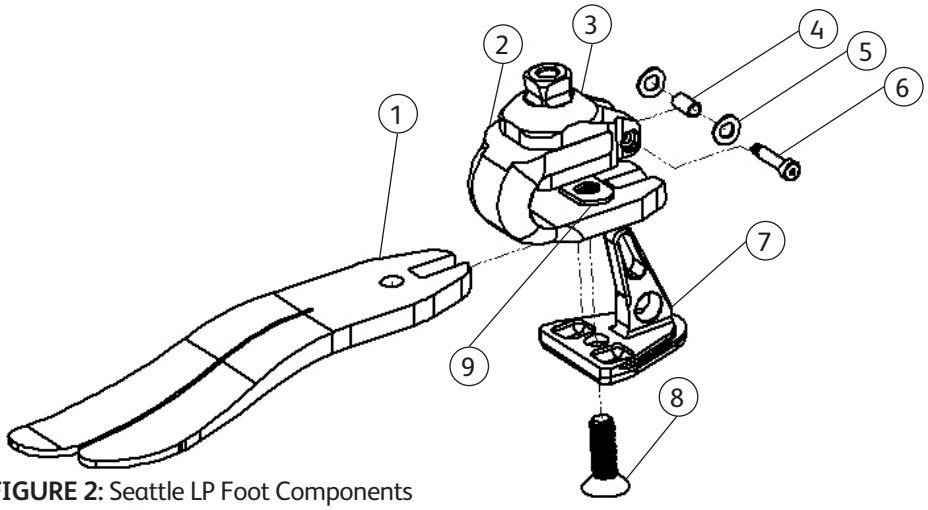

FIGURE 2: Seattle LP Foot Components

Seattle LP Foot Components

1. Keel
2. C-shaped Ankle
3. Upper Mount
4. Delrin Bearing
5. Nylatron Washer (x2)
6. Shoulder Screw
7. Lower Mount
8. Torx Drive Keel Screw
9. Nut

QUESTIONS

Contact Customer Service in the U.S. at 888-878-1238, or fax 888-878-1237
If calling from outside the U.S., contact Customer Service at 360-697-5656, or fax 360-697-6843
Visit Trulife online at www.trulife.com

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LIMITED WARRANTY

Trulife warrants that the Seattle LP Foot's keel will be free from defects in material and workmanship for three (3) years and its foot shell will be free from defects in material and workmanship for six (6) months from the date of installation.

This warranty will not apply if the product has been damaged by misuse, abuse, neglect, improper care, failure to follow instructions, abnormal wear and tear, or in the event that the Seattle LP Foot has been modified/repaired by persons unauthorized by Trulife.

If a defect in material or workmanship is found during the warranty period, Trulife will, at Trulife's option, either repair or replace the product. If it is not possible to repair or replace the product, Trulife will be limited to refunding the purchase price.

Trulife will not be liable under any legal theory for any direct, indirect, special, incidental or consequential damages arising from the use of or inability to use this product.

The application guidelines for this Trulife product are for the use of and by certified, qualified practitioner only. Patients are not to attempt to apply or adjust the item unless expressly instructed to do so by the practitioner responsible for the prescription and/or initial fitting of the device. All patient questions should be referred to the practitioner and not to the manufacturer. The manufacturer warrants only that the enclosed product has been inspected for quality and can be effective for certain indications, but final decisions and ongoing monitoring must be made by the prosthetic professional(s) prescribing and/or fitting the device to determine its effectiveness for an individual patient. Patient compliance is an integral part of the entire protocol and must be adhered to in order to avoid potential problems and to maximize the effectiveness of the prescribed product.

As a condition of the sale of any Trulife product, this prosthesis is restricted to a "Single Patient Use Only" by the originally fitted patient in order to protect the care provider and the patient against potentially adverse consequences of infectious disease transmission, material instability in adapting to the configuration of the original user and/or decrease in effectivity. Any express or implied warranties are voided if the product is reused or fitted to another patient. Additionally, a license of right to use under any relevant patents pertaining to the product is terminated with the cessation of use by the original patient. As with all Trulife products, this product must be prescribed and applied by a qualified practitioner to determine it meets the needs of the particular patient and accomplishes the desired results.

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