obsidian

Sprint Blade
Product Manual

Fillauer®

Instructions

The Obsidian Sprint Blade has been designed and manufactured for specific patient weights. Failure to follow the weight guidelines and/or overload conditions caused by the patient, such as heavy lifting, high impact sports, or abusive activities that would otherwise damage the natural limb, will void the warranty.

- These instructions should be read prior to fitting and followed to ensure the proper integration of the Obsidian Sprint Blade into the patient's prosthetic system.
- The foot stiffness is based on weight and activity level. Please provide accurate patient information so that the appropriate foot may be selected.

Product Specifications

- Patient weight: Up to 275 lbs. (125 kg)
- Foot weight: 35 oz. (1000 g)
- Clearance: 3 in. (7.6 cm)
- Minimum mounting height: 15.5 in. (39.4 cm)
- Maximum mounting height: 26 in. (66.0 cm)
- Foot size: One size fits 22 – 30 cm
- Functional level: K4

Installation

Attention: Deviating from the installation instructions or modifying the foot in any way will void the product warranty and could lead to product failure and injury to the patient.

Static Alignment—Sagittal Plane

The contact of the sole should be approximately 2.5 in. (6.4 cm) anterior to a bisection of the socket at MTP level (Figure 1).

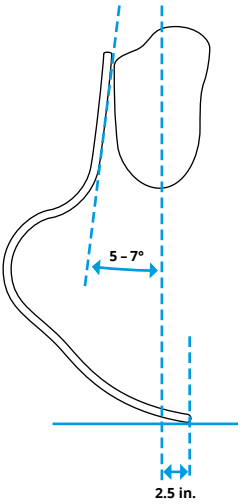

Figure 1

Transtibial Frontal Plane Alignment

Most runners prefer a wider base of support with the foot slightly lateral to the distal bisection of the socket, 7 – 13 mm. The longitudinal axis of the foot may be externally rotated up to 8° depending on the runner's preference.

Dynamic Alignment

It is important to align the prosthesis so that the C-spring is loaded sufficiently to provide dynamic response late in stance, but not so much deflection that it there is no terminal stance support. Compression of the C-spring is desirable for optimal performance and foot deflection may be more noticeable during dynamic alignment. Approximately 1.5 in. (38 mm) additional height accommodates for spring deflection during high activity such as distance running. Approximately 3.0 in. (76 mm) additional height accommodates for spring deflection during very high activity such as short distance sprinting. Adjustments of the plantar/dorsiflexion angles will help the patient achieve balanced compression of the spring.

Installation of the Foot

To mount the foot directly to the socket:

1. Determine the approximate location of the foot on the socket.
2. With 80 grit sand paper, sand the area of the socket where the foot will be bonded ~ 3 × 3 in.
3. Sand the foot In the same area to prep for bonding.
4. Clean both surfaces thoroughly with rubbing alcohol.
5. Bond the foot to the socket with Fabtech 1-minute epoxy or equivalent.
6. Wrap with fiberglass casting tape to test alignment.
7. Remove foot to change alignment and retape.
8. When proper alignment is obtained, laminate the foot to the socket using sufficient carbon to prevent the foot from tearing out.

Installation/Removal of the Track Sole

It is recommended that the Obsidian Sprint Blade be used with the Nike Spike Pad (FSX50008) or similar products. See the Spike Pad user manual for full instructions on installation and removal.

Frequently Asked Questions

Can I get my Obsidian Sprint Blade wet?

The Obsidian Sprint Blade is designed to be maintenance free. The foot is waterproof; however, if the foot is submerged in water, the fasteners should be rinsed with fresh water and dried as soon as possible.

Is there regular maintenance on the foot for which I should see my prosthetist?

The Obsidian Sprint Blade is a high performance foot and should be inspected every 3 months for signs of abnormal wear and that the attachment method is secure.

What should I do if my foot is no longer performing as well or is making noise when in use?

If the foot performance changes or if it makes noise, the patient should immediately contact his or her practitioner.

Warranty

6 months from date of patient fitting

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