

# Swing Phase Lock (SPL)

*Fillauer* LLC

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Practitioner \_\_\_\_\_ Branch Name \_\_\_\_\_

PO# \_\_\_\_\_ Date: \_\_\_\_\_ Ship Via: \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**SHIP TO**

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Account # \_\_\_\_\_

**Patient Information**

Diagnosis \_\_\_\_\_

Patient's Name \_\_\_\_\_

Age \_\_\_\_\_ Sex \_\_\_\_\_ Weight \_\_\_\_\_ Height \_\_\_\_\_

Right    Left    Bilateral

**BILL TO**

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Account # \_\_\_\_\_

**Knee Evaluation of Patient**

**ML**

Varus \_\_\_\_\_°       Valgus \_\_\_\_\_°

Correctable       Rigid

**AP Full Range of Motion**

Flexion \_\_\_\_\_°      Extension \_\_\_\_\_°

**Fabrication Materials**

Metal and Leather

Carbon Composite Lamination

Thermoplastics reinforced with Aluminum Bands

3/16" Polypropylene

1/4" Polypropylene

**Transfers**

999000 Animals and Blocks

999001 Butterflies

999002 Jungle Animals

999003 Camouflage

999005 Multi-Color

999006 Chickes

999008 Optical Illusion

999009 Martians

999011 Caucasian

999020 Leopard Print

999021 Solid Blue

999022 American Flag Design

999024 Extreme Skateboarding

Other: \_\_\_\_\_

**Components**

Fillauer Components used unless otherwise specified.

**Ankle Joints**

Free Motion Ankle Joints

Limited Motion Ankle Joints

Limited Motion Ankle Joints

Double Action Ankle Joints with springs

Double Action Ankle Joints with pins

Solid Ankle

Use Other: \_\_\_\_\_

**Uprights**

Aluminum SPL Lower Bar 3/16 x 3/4

Aluminum SPL Upper Bar 3/16 x 3/4

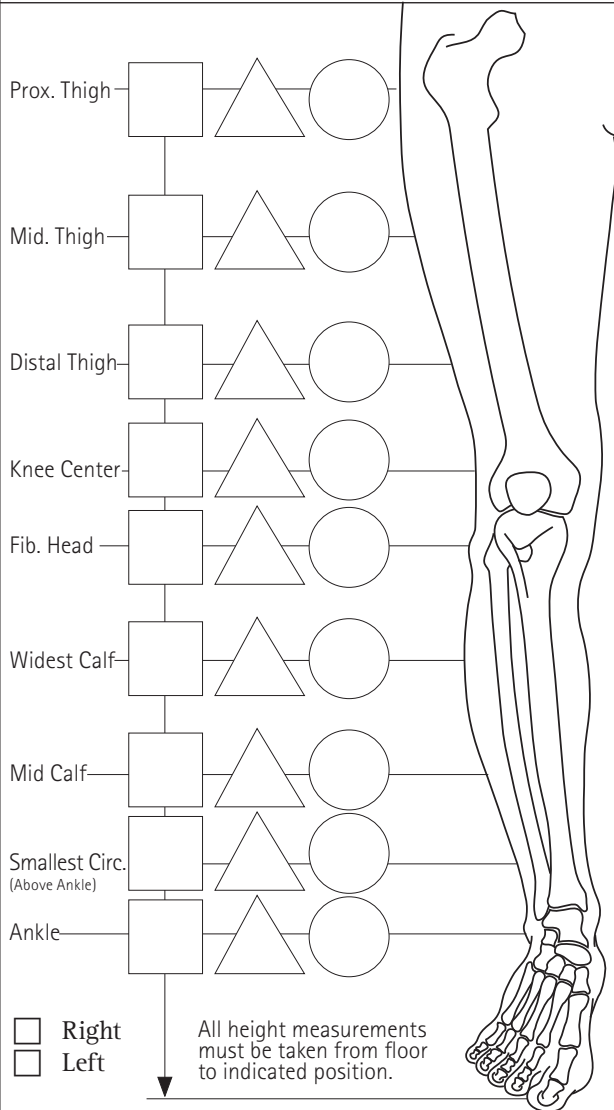
Stainless Steel SPL Lower Bar 3/16 x 3/4

Stainless Steel SPL Upper Bar 3/16 x 3/4

Use Other: \_\_\_\_\_

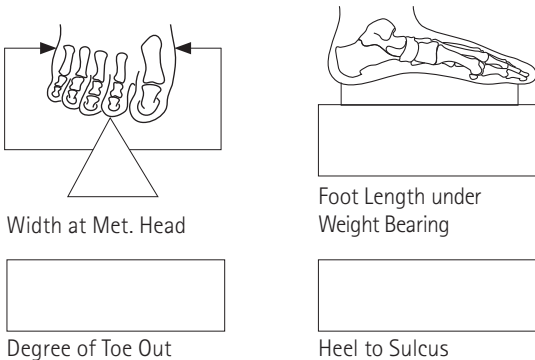
## All Measurements MUST be provided.

Height      ML      Circumference



- Mold Casted Weight Bearing  
 Mold Casted Semi-Weight Bearing  
 Mold Casted Non-Weight Bearing

## Foot Measurements



## Casting Requirements

Fillauer recommends a segmental casting technique with footboard.

1. Cast Foot and Ankle in desired position.
2. Cast Knee and Thigh in desired position.

**IMPORTANT:** When casting, add 5° of knee flexion to the patient's full range of knee extension; this will allow proper locking and unlocking in the SPL. This casting method will ensure the SPL always comes to full extension BEFORE the leg comes to full extension.

**EXAMPLE:**

- Full extension at 0° - Provide Cast at 5° Flexion
- Full extension at 5° - Provide Cast at 10° Flexion
- Hyperextension at 5° - Provide Cast at 0° Flexion

**TO FIND KNEE CENTER:**

Divide approximately half the distance between the adductor tubercle and the medial tibial plateau (MTP) to find the mechanical knee center.

## Cast Mold Corrections

### Ankle

- Please Correct
- Forefoot to \_\_\_\_\_
  - Hindfoot to \_\_\_\_\_
- No Corrections, casted in correct position

### Knee

- Please Correct
- Set Knee Hinges at 0°
  - Set Knee Hinges at \_\_\_\_\_° of flexion
  - Set Knee Hinges at \_\_\_\_\_° of hyperextension
- No Corrections, set Knee Hinges at casted position

## Orthotist Evaluation of Mold

- Excellent      Good      Poor
- Ankle Position \_\_\_\_\_°     Ankle ML \_\_\_\_\_
- Knee Position \_\_\_\_\_°     Knee ML \_\_\_\_\_

## Technician Evaluation of Mold

Custom Fabrication Use Only.  
Variances will be evaluated with the practitioner.

- Excellent      Good      Poor
- Ankle Position \_\_\_\_\_°     Ankle ML \_\_\_\_\_     Knee Position \_\_\_\_\_°     Knee ML \_\_\_\_\_