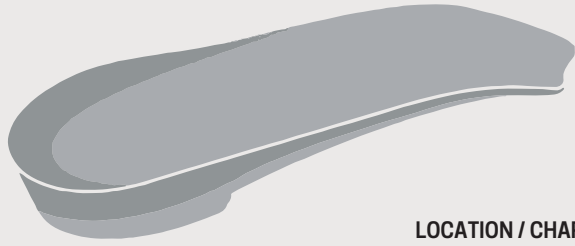


# SHELL MODIFICATIONS



## 1ST MET CUTOUT

### LOCATION / CHARACTERISTICS

- Corner of shell material removed in area of 1st MPJ

### INDICATIONS

- Dancers pad/FHL accommodation
- Plantarflexed 1st ray

### CONTRAINDICATIONS

- Hallux limitus/rigidus
- 1st MPJ O/A

CONTACT TECHNICAL SUPPORT FOR ANY ASSISTANCE IN THE DESIGN OF YOUR DEVICE.

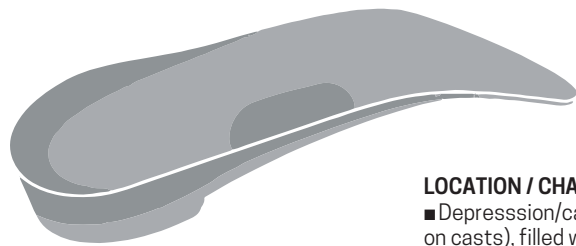
## 1ST MET CUTOUT WITH SUPPORT POST

### LOCATION / CHARACTERISTICS

- 1st Met Pad Cutout with EVA applied to plantar aspect of device in area of cutout to prevent excessive de-flexion of shell

### INDICATIONS

- High weight bracket (>200 lbs)



## NAVICULAR SWEET SPOT

### LOCATION / CHARACTERISTICS

- Depression/cavity in shell material (in area as marked on casts), filled with poron to contour to surrounding shell shape
- Shell includes Medial Flange

### INDICATIONS

- Accessory navicular
- Bony exostosis
- Prominent navicular/cuneiform

### CONTRAINDICATIONS

- Desired sweet spot in area which will not be in contact with device

## ORTHOTIC WIDTH

### LOCATION / CHARACTERISTICS

#### WIDE (A)

- Shell to be 3-4 mm wider than lab standard

#### NARROW (B)

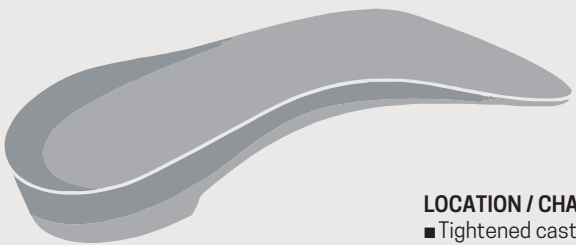
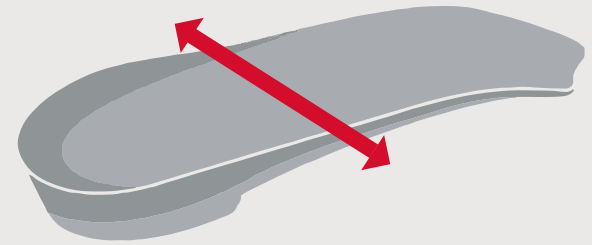
- Shell to be 3-4 mm narrower than lab standard

### INDICATIONS

- A) Maximize control/contact area between foot and device
- B) Slender/narrow foot-type low profile footwear

### CONTRAINDICATIONS

- A) Low profile/narrow footwear
- B) Wide footwear deep heel cup (>14mm)



## MEDIAL FLANGE

### LOCATION / CHARACTERISTICS

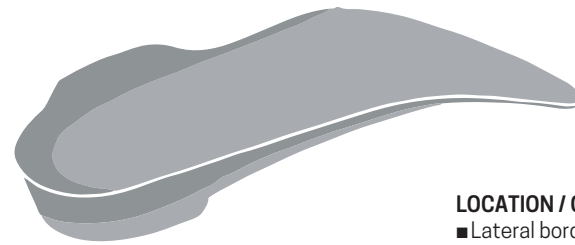
- Tightened cast dressing and increased shell width through the MLA
- Maximize control/contact area between foot and device

### INDICATIONS

- Excessively pronated foot type
- Medially deviated STJ axis

### CONTRAINDICATIONS

- Footwear which cannot accommodate extra width needed for device



## LATERAL FLANGE

### LOCATION / CHARACTERISTICS

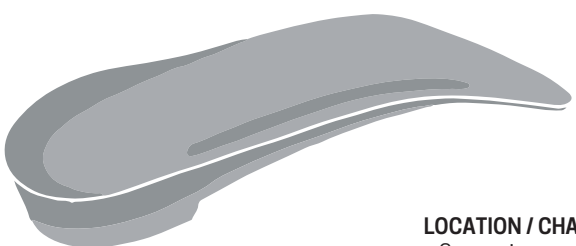
- Lateral border of device extended to encompass more of the LLA

### INDICATIONS

- Supinated foot type
- Chronic lateral ankle instability

### CONTRAINDICATIONS

- Footwear which cannot accommodate extra width needed for device



## FASCIAL ACCOMMODATION

### LOCATION / CHARACTERISTICS

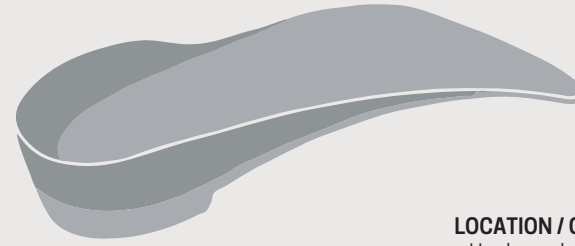
- Groove incorporated into shell material in area of medial plantar fascial ligament/flexor hallucis brevis (as marked on casts)

### INDICATIONS

- Anatomically tight plantar fascia (especially if prominent with dorsiflexion of 1st MPJ)

### CONTRAINDICATIONS

- Direct milled, TL 2100 and PRx devices



## DEEP HEEL CUP

### LOCATION / CHARACTERISTICS

- Heel cup depth greater than lab standard for desired device: (range from 14mm-32mm)
- Device altered to deepen and subsequently widen area of heel cup \*Note: a deeper heel cup will widen entire device slightly

### INDICATIONS

- Addition of skive to a device
- Optimization of rear foot control

### CONTRAINDICATIONS

- Dress orthotics - deeper heel cup may cause footwear fitting problems due to added depth/width of device