

Extensions - Toe Length

Information Provided By Kevin Orthopedic Institute



Dynamic Wedge

Myolite material frame-extension to sulcus coupled with EVA material dorsiflexion hallux wedge

FUNCTIONS:

- Planterflexes 1st ray
- Elevates 2nd - 5th metatarsal heads
- Accommodates 1st metatarsal head
- Dorsiflexes 1st MTP joint

CLINICAL INDICATIONS:

- Hallux limitus
- Jamming of the 1st metatarsophalangeal joint
- Inefficient windlass mechanism

A dynamic wedge is a modified Myolite forefoot extension to sulcus with a dorsi-flex, semi-rigid to very rigid (45-75 Shore A) EVA wedge that sits beneath the 1st phalange. The forefoot extension begins at the superior distal edge of the orthotic frame, terminates just past the 2nd - 5th metatarsal heads and excludes the 1st.

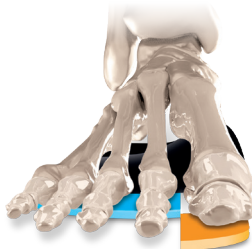
Dynamic Wedge

3 1.5 (mm)

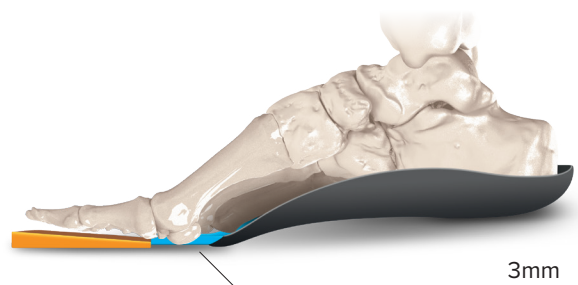


Superior view

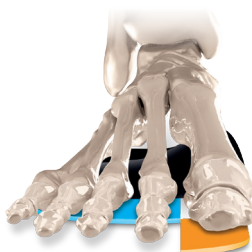
Its medial edge does not extend past the 1st interspace, and its edges are unskived. The dorsi-flex wedge begins its incline just distal to the 1st metatarsal head and ends past the distal phalange. The lateral edge does not extend past the first interspace and is unskived.



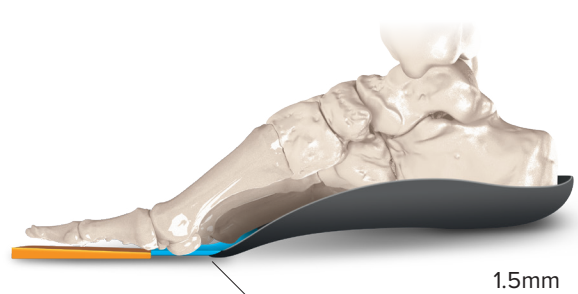
3mm unskived



3mm



1.5mm unskived



1.5mm

Anterior view

Medial view

Notes: All illustrations and diagrams are of right foot
Colors on illustrations are for visual purposes and will vary on final product