

Extensions - Sulcus Length

Information Provided By Kevin Orthopedic Institute



Morton's Extension

EVA material Morton's frame-extension to sulcus

FUNCTIONS:

- Immobilizes the 1st MTP joint
- Sulcus length reduces forefoot bulk

CLINICAL INDICATIONS:

- Hallux rigidus
- 2nd met head pathology (unskived modification)
- Degenerative joint disease (DJD)
- 1st MTP joint arthritis or trauma

A Morton's extension is semi-rigid to very rigid (45-75 Shore A) EVA extension that begins at the superior distal edge of the orthotic frame, terminates at the sulcus (just distal to the metatarsal head) and is placed only beneath the 1st metatarsal head. Its lateral border does not extend past the 1st interspace, and the lateral edge can be left unskived upon request..

Note: The 'unskived' request provides an immediate difference in elevation between the 1st and 2nd metatarsal heads that can also effectively treat 2nd metatarsal head pathology.

CLINICAL PEARL

Sulcus length Morton's Extensions are the most functional Morton's Extensions for treating Hallux Rigidus by delaying and reducing temporal movements acting on the distal phalange during gait.



Superior view

Morton's Ext. U.skiv 4.5 3 1.5 (mm)



4.5mm



4.5mm unskived



3mm



3mm unskived



1.5mm



1.5mm unskived

Anterior view
(phalanges excluded)

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