

PEDORTHIC MODIFICATIONS



Heel and toe rocker sole

This rocker rolls at both the heel and toe while keeping a level mid-stance area for footfalls. It assists with energy transfer and delays heel strike causing a longer stride.



Buttress

Used to stabilise the ankle, can be either on the medial or lateral side. Supports the foot and widens the base of support to help control abnormal motion.



Click Medical (Boa) Closure

Patients can easily adjust or on the opposite to of their device throughout the day, making adjusting to changes in activity or support needs.



Forefoot rocker sole

Only rolls forward from the metatarsal heads forward to the toes. Assists with foot offload during ambulation and forward propulsion and toe off.



Flare

Increases stability of the shoe and gently forces the foot away from the medial side.



Wedge/Tilt

Used to improve the biomechanics of the foot and leg and reduce stress on the joints. Can be applied medially or laterally.



Full length rocker sole

Full rocker offers a continuous roll from heel to toe. Not suitable for those with balance issues.



Lace to Velcro Conversion

Replaces laces with Velcro straps, allows change from lace to lace.



Velcro Dee on Lateral side

Patients with hand limitations find it easier to pull the velcro straps in the middle side of the shoe.



Negative rocker sole

Forefoot rocker with the heel lower than the forefoot. Transfers body weight posteriorly and reduces forefoot pressure. Dorsiflexion and Achilles issues must be considered.



Heel Raise

Heel raises indicated for flatness or Achilles tendinitis issues. Sometimes used for small L2/L3. Increased pressure on the forefoot should be considered.



SACH

Solid, wide Cushion-Heel is used to reduce shock at heel strike as well as promoting pronation or supination of the subtalar joint with mobility.



Leg length DISCREPANCY buildup

Lifts the shoe for those with a difference in leg length, reduce strain on joints muscles and other structures. Generally height at the metatarsal heads is equal to 2/3 of the heel height.



Widen mid-foot/Relaxing

The width of the shoe can be increased for those with a larger mid-foot shape. Shoes can be widened at the heel or mid-foot. Shoe size and quality should be considered.



Carbon Fibre shank/Stiffener

Carbon plates can be applied to the shoe to reduce flexion/rotation in the foot. Used with a rocker sole to reduce strain on joints and assist in re-walking gait.