



Fig. E-1
 Medial view of a specimen in the testing machine. The hindfoot and forefoot rested on separate bearings to permit unrestricted motion of the sole relative to the table, while ankle flexion was maintained at 90°. Clinometers aligned in the sagittal plane measured talus-first metatarsal angulation, and those oriented in the coronal plane measured varus-valgus motion of the navicular in relation to the talus. The Achilles tendon clamp is visible posterior to tibial and fibular shafts.

TABLE E-1 Tensile Loads Applied to the Extrinsic Tendons	
Tendon	Load (N)
Achilles	600
Tibialis anterior	31
Tibialis posterior	35
Peroneus longus	25
Peroneus brevis	10
Extensor hallucis longus	7
Extensor digitorum longus	15
Flexor hallucis longus	25
Flexor digitorum longus	10
Sum of tendon loads	758