

Stride⁴TM Shadow



The Next Generation of the Shadow Family

The **Stride⁴ Shadow** is a lightweight KAFO that combines structural strength and cosmetic appeal with the new Stride⁴ mechanical stance control orthotic knee joint from Becker Orthopedic.

The patent pending Stride⁴ knee joint is comprised of a four bar linkage mechanism, whereby the upper and lower aspects of the joint do not purely rotate about one fixed center of rotation. Instead, the joint motion involves some translation, in addition to rotation, to more closely mimic anatomical knee motion.

The Stride⁴ knee joint offers three distinct modes of operation: Stance control, free motion and locked with stance phase flexion. An integral extension assist spring housed within the midsection assists with knee extension, while an adjustable extension stop allows the practitioner to adjust and fine tune



Stride⁴ Shadow

the point at which the joint enters into its stable/locked state. If desired, the extension stop can be fully adjusted to eliminate the stability feature to facilitate free motion.

A button on the Stride⁴ allows the patient to switch between locked and stance control modes of operation. When the lock option is selected and engaged by the patient, the joint will allow approximately 3° of flexion to provide some shock absorption to the user.

The inherent rigidity of the **Stride⁴ Shadow** ensures that optimal joint alignment and function is maintained throughout the gait cycle. Constructed of lightweight and rigid composite materials, the **Stride⁴ Shadow's** sleek and open design offers patients an unparalleled blend of form and function.

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Stride4 Case Study

Patent Pending

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