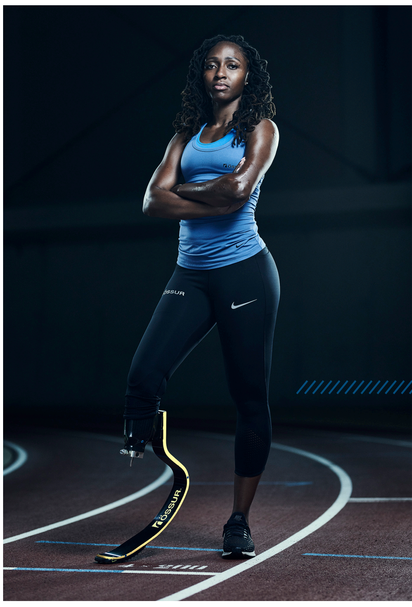
ÖSSUR®
LIFE WITHOUT LIMITATIONS

Femita Ayanbeku

U.S. CHAMPION SPRINTER, PARALYMPIAN AND TEAM ÖSSUR ATHLETE

TEAM ÖSSUR

Femita Ayanbeku, U.S., 100m and 200m, has below-knee limb loss after surviving a childhood car accident that involved her entire family. Although she had enjoyed sports prior to her accident, she struggled with pain when she tried to resume activities after her amputation. Her positive mindset and tireless pursuit for success has enabled her to compete among the world's best.



ÖSSUR's CHEETAH® PROSTHESIS

For decades, many of the world's most accomplished track and field lower-limb para athletes have competed on the iconic Cheetah sports prosthesis.

The Cheetah is not a "spring."

Its distinctive curved design was modeled on the hind leg of the world's fastest land animal — the cheetah. It was designed to absorb and return a portion of the energy an able-bodied runner's biological limb is capable of doing when running.

Made of carbon fiber composite, the Cheetah is available in various configurations to reflect such factors as an individual user's weight, residual limb length, and foot alignment in relation to their specific sport.

The Cheetah is attached at the back of the runner's socket and features a spike pad designed exclusively by Nike® to provide specialized traction that has been optimized for the blade.

Femita received her first-ever Össur running prosthesis in 2015 during an Össur Mobility Clinic. By 2016, she was the 100m U.S. National gold medalist and a member of Team USA at the Rio Paralympics. In 2019, she was the Bronze Medalist in the 200m T64 at the 2019 IPC Worlds, and hopes to qualify for Team USA and compete in Tokyo in 2020.

Able-Bodied Running Vs. "Blade Running"

Developments in carbon fiber running-specific prostheses have allowed individuals with lower extremity amputations to regain the functional capability of running. Össur's Cheetah is a high-performance carbon composite prosthetic sports foot that was designed to enable amputee athletes to optimize their performance. Since its introduction in 1996, the Cheetah has been the "gold" standard in prosthetic feet for elite and recreational amputee athletes worldwide.

When running, the able-bodied athlete's musculature, including quadriceps, knee, calf and ankle absorbs much of the energy generated every time their foot connects with the ground.

The Cheetah's curve compresses at impact, storing energy and absorbing high levels of stress that would otherwise be absorbed by the amputee athlete's knee,hip and lower back.

An able-bodied athlete's foot and leg has been shown to return **241%** of its energy when running.[1]

The Cheetah is an estimated one-third as powerful as a native ankle, returning approximately **90% of its energy** when the amputee athlete is running.[1]

Sources: www.ossur.com. 1. Czerniecki, Joseph M., Andrew Gitter, and Carolyn Munro. *"Joint moment and muscle power output characteristics of below knee amputees during running: the influence of energy storing prosthetic feet."* Journal of biomechanics 24.1 (1991): 6367-6575.