



# Niagara Foot FAQs

What makes the Niagara Foot™ different?	The Niagara Foot™ design and engineering features are its ability to absorb and release energy like a non-linear spring. Injection molded with DuPont's Hytrel™, we use the extreme limits of its high strain capabilities to store and release energy. This translates into very fluid motion in the prosthetic device that is energy efficient and reduces patient fatigue. The Niagara Foot™ is an affordable device with superior performance. The ability to easily modify the heel stiffness, forefoot stiffness, and resistance to dynamic loading is a novel feature of the Niagara Foot™. The foot can be adjusted to suit each patient's individual needs such as their unique gait cycle or weight.
What exactly is Hytrel™?	Hytrel™ is a thermoplastic polyester elastomer that provides superior form and function, durability, absorption, and energy return.
How durable is the Niagara Foot™?	The Niagara Foot™ has been durability tested in accordance to ISO 10328 testing requirements. The foot successfully passed 3,000,000 cycles and underwent minimal damage during testing at Queen's University.
Does the Niagara Foot™ have a dead spot?	The Niagara has no dead spot. Due to the unique design of the keel, and how the dynamic spring reacts under load, the user is quickly propelled forward through the mid-stance phase of gait into toe-off. The dynamic spring creates smooth rollover, much like an ankle, and the inherent arch in the foot design gives transitional energy return unmatched by other feet on the market.
I thought the Niagara foot was only meant for use in third world countries?	The Niagara Foot™ came about because of the need for a durable, high performance, and affordable prosthetic foot to meet the needs of people around the world; especially in countries where large numbers of people have lost limbs as a result of land mines, accidents, and illness. The Niagara Foot™ anatomically mimics biological foot action by absorbing and releasing energy in a controlled way, and offers application not only in third world countries, but across the globe.
What other technical features should I be aware of?	The Niagara Foot™ is completely waterproof, has a patient weight limit of 80 kg, a product weight of 381 g, and a profile height of 10 cm
What's the Niagara Foot™ warranty?	The Niagara Foot™ comes with a 36 month warranty.
What is the cost of the Niagara Foot™?	Please reach out to a Protosthetics™ sales representative to find out more about pricing.
What is the suggested coding?	L5972 and L5976 are recommended for the Niagara Foot™.
When I place an order, what is included?	The Niagara Foot™, proximal adaptor, needed hardware, and the Niagara Foot™ Modifications guide will all be included when you place an order.
Can I order a footshell?	The Niagara Foot™ fits in a standard 26 or 27 size footshell which is available upon request. A Spectra sock is not required or necessary.
How do I order a Niagara Foot™?	To learn more or to place an order: Call: 701-478-2001 Visit: <a href="http://protosthetics.com/niagara-foot">protosthetics.com/niagara-foot</a> Email: <a href="mailto:contact@protosthetics.com">contact@protosthetics.com</a>