

World-Class
Carbon Fiber
Foot Solutions



Freedom by Design



Dynamic Performance by Design

"For me, the Renegade represents power and versatility. I am able to hike the hills of Washington and Colorado, over knife edge ridges, glaciers and through loose rock. The shock absorption provides comfort while the simplicity of the design provides me assurance in the product's durability for a long term excursion. I know I can count on the Renegade to be there when I need it, so there's no holding back."

John LeBlanc, TX, Mechanical Engineer



Renegade® & Renegade® LP

- Patented **Z-Shock Technology™** is engineered to deliver a smooth gait at any speed, resulting in a comfortable walking foot that can also stand up to high impact forces
- All-carbon z-shaped heel is durable and maintenance free
- Less than 1/3 the weight of traditional shock foot products, reducing socket pistoning and fatigue
- Optional standard height or low profile configuration
- Rated to 365 lbs, 36-month warranty



Renegade® SX & Renegade® LP-SX

- Vertical shock and 11° of transverse rotation absorb impact to the knee joint and shear forces within the socket, providing added comfort and improved residual limb health
- Weighs 25% less and offers a lower build height than its direct competitor, making the product accessible to more users
- Urethane bumpers provide a smooth and natural rotation stop
- Optional standard height or low profile configuration
- Rated to 285 lbs, categories 1-7, 36-month carbon fiber warranty, 24-month rotator warranty



Renegade® MX & Renegade® LP-MX

- Enhanced range of motion easily overcomes changes in surface angles and terrain to provide stability
- Rotation is absorbed at the foot/ankle system rather than the socket, promoting limb health
- 8° of transverse rotation; 8° degrees of inversion/eversion, 6° of plantar flexion, 7.5° of dorsi flexion
- Optional standard height or low profile configuration
- Rated to 285 lbs, categories 1-7, 36-month carbon fiber warranty, 24-month rotator warranty



Style and Flexibility by Design

"The Silhouette is so light weight and flexible, I'm able to stay comfortable on my feet all day. As a teacher and an athlete, I am moving from before sunrise until late into the evening. The Silhouette provides the range of motion needed regardless of what direction I'm headed!"

Amy Dodson, AZ, Teacher, World Record Holding Triathlete



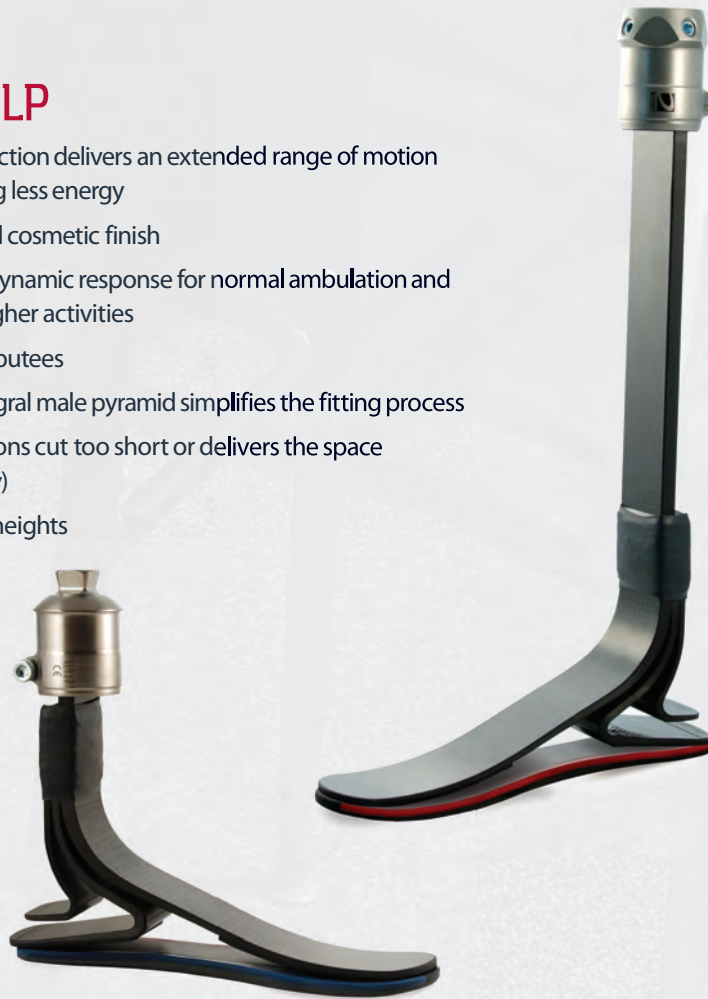
Runway® & Runway® HX

- As the only user-adjustable heel height foot designed for active K3 amputees, the device is customized to user weight and activity level to provide superior comfort and energy return
- Adjust heel height from 0-2"; option of push button or 4 mm hex key adjustable design
- Runway HX offers infinite adjustments from 0-2"
- Anatomical 'gliding' ankle design maintains appropriate foot alignment, regardless of heel height
- New cosmetically improved sandal toe foot shell for improved user acceptance
- Rated to 255 lbs, 36-month carbon fiber warranty, 18-month ankle mechanism warranty



Silhouette® & Silhouette® LP

- Strong, lightweight carbon-fiber construction delivers an extended range of motion allowing user to walk farther, faster, using less energy
- Slim profile facilitates an easy and refined cosmetic finish
- Advanced dual heel system provides a dynamic response for normal ambulation and an override spring for security during higher activities
- Ideal for low to moderate impact K3 amputees
- Optional low profile version with an integral male pyramid simplifies the fitting process
- Versa Clamp provides an easy fix for pylons cut too short or delivers the space needed for a locking pin (sold separately)
- The choice between 3/8" and 3/4" heel heights
- Rated to 365 lbs, 36-month warranty



Silhouette® VS

- Vertical shock absorption softens impact at heel strike to provide comfort and preserve residual limb health
- Multi-axial function and +/-15 degrees of inversion/eversion provide excellent ground compliance and stability
- The lightweight, slim-profile design facilitates an easy to achieve cosmetic finish capable of pleasing the most discerning critic
- The carbon fiber sole plate with tri-durometer urethane strips facilitates a biomechanically correct ground reaction force, moving lateral to medial through the foot with each step
- The choice between 3/8" and 3/4" heel heights provides the ability to wear higher heel dress shoes or work boots while maintaining proper prosthetic alignment
- A 365 lb weight rating makes the Silhouette VS appropriate for a broad range of low to moderate impact K3 level ambulators



Everyday Performance by Design

"These are some of the best years of my life and the Sierra has been there with me through it all, travel, volunteer work, you name it. The Sierra offers me balance and stability, regardless of where I am or what I'm doing. I love how flexible it is and the fact that it's always ready for whatever I put into it."

Clarence Imler, AR, Retired Prosthetist



Sierra®

- Angle-top design increases the length of the carbon fiber spring, providing a smoother gait and ultimate flexibility
- Split toe delivers excellent inversion-eversion
- Full-length heel enables foot flat early in the gait cycle, providing a stable base of support
- Rated to 365 lbs, 36-month warranty

Highlander®

- Offers an ideal blend of stability and action, often preferred by transfemoral amputees
- Split toe provides excellent inversion-eversion
- Custom **Highlander MAX** available for user weighing up to 500 lbs, sold with optional heavy duty 34 mm component kit
- Also available in exoskeletal configuration
- Rated to 365 lbs, 36-month warranty



Pacifica® & Pacifica® LP

- Choice of two low profile designs ideal for amputees with long residual limbs or those needing more build space
- LP design requires less than 2" of clearance
- Lightweight and durable
- Foot lies within foot shell so cosmetic finishing is simplified
- Rated to 365 lbs, 36-month warranty



Unique by Design

"I may be petite but I live a big life. As a college freshman and triathlete, I need a prosthetic foot that can keep up with my busy schedule. The Defender allows me to go from class to cycling in no time at all. It's a lot like me – a small package with a lot of punch!"

Scout Bassett, CA, Student

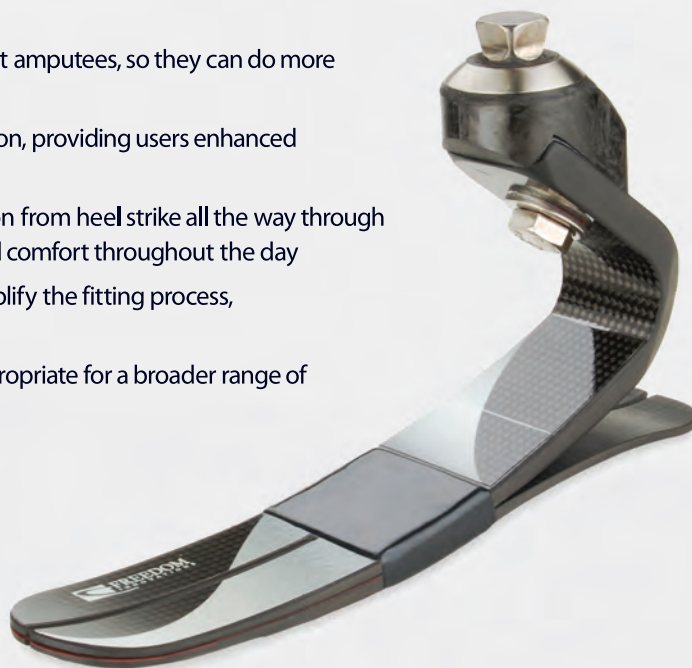


Defender Pediatric Foot

- Premium performance similar to the Highlander is now available for pediatric and petite users
- Ensures smooth rollover and exceptional ground compliance in a flexible design
- Rated to 100 lbs, sizes 16-21 cm
- 18-month warranty

Promenade™ Prosthetic Foot

- Designed specifically for low impact amputees
- Near effortless roll-over optimized for low impact amputees, so they can do more and feel better at the end of the day
- Partial split toe offers controlled inversion/eversion, providing users enhanced confidence for a variety of walking conditions
- Full length sole plate facilitates a smooth transition from heel strike all the way through toe off, providing a more fluid gait and increased comfort throughout the day
- Male pyramid and only 5 stiffness categories simplify the fitting process, saving you time and money
- The 325 lb weight rating makes the product appropriate for a broader range of users compared to competitive alternatives
- 36-month warranty



LP Symes Prosthetic Foot

- Engineered to withstand the high forces of a Symes amputee, while remaining flexible enough to offer superior comfort
- Remarkably lightweight—averaging 295 g
- Direct lamination cup allows for less than 2.1" of clearance
- Rated to 365 lbs, 36-month warranty



Extreme by Design



"In 2006, I set out to 'do the unthinkable' and the Nitro was critical to my success. Together, we navigated a grueling 26.2 miles of lava fields in Kona, Hawaii, where I became the first double amputee to complete a full Iron Man on prosthetics. Although the race is over, there are more finish lines to cross. My Nitro's and I are inspiring everyone with a dream."

Scott Rigsby, GA, Iron Man Triathlete, World Record Holder



Nitro Running Foot

- Individually handcrafted carbon-epoxy lay-up techniques ensure optimal vertical displacement and energy return
- Endoskeletal attachment facilitates adjustment and fabrication
- Compatibility with exoskeletal design reduces system weight
- Stiffness tailored to amputee weight and activity preferences
- Rated to 250 lbs, 12-month warranty, custom product

Slalom Ski Foot

- The first prosthetic foot designed to be quickly and easily inserted directly into a standard ski binding
- Eliminates the need for a ski boot
- Provides necessary flex and shock absorption for fluid motion
- Better control and range of motion increases endurance – allowing more time on the slopes
- Rated to 250 lbs, 12-month warranty, custom product



Freestyle Swim Foot

- Users can now walk proudly and comfortably to and from the swim area
- Adjust to 70° plantar flexion for swimming with the simple push of a button
- Utilize a flipper to gain swimming speed and decrease energy expenditure
- Balance the body and enhance swimming efficiency
- Rated to 255 lbs, 12-month warranty



Focused Solutions

Freedom Innovations is solely focused on developing world-class lower limb solutions in close collaboration with amputees and prosthetists. These solutions encompass technological innovations, service, training and educational resources, together with consultative support, to help ensure user satisfaction.



Determine Your Impact Level

Low	Moderate	High
Hobby Oriented	Recreational Athlete	Extreme Athlete
Walking	Jogging	Baseball
Gardening	Tennis	Running
Bowling	Volleyball	Power Lifting
Shopping	Hiking	Soccer
Golfing	Dancing	Football
Biking	Skiing	Skateboarding
Fishing	Martial Arts	Snowboarding
Camping	Boxing	Competitive Sports
Surfing	Baseball	
	Skating	

Stiffness Category Selection Chart

Weight (lbs)	Impact Level			Weight (kg)
	Low	Moderate	High	
100-115	1	1	2	44-52
116-130	1	2	3	53-59
131-150	2	3	4	60-68
151-170	3	4	5	69-77
171-195	4	5	6	78-88
196-220	5	6	7	89-100
221-255	6	7	8	101-116
256-285	7	8	9	117-130
286-325	8	9		131-147
326-365	9			148-166

Defender Stiffness Category Chart

Weight (lbs)	Category	Weight (kg)
20-30	1P	9-13
31-40	2P	14-18
41-50	3P	19-22
51-60	4P	23-27
61-70	5P	28-31
71-80	6P	32-36
81-100	1 Adult	37-45

Promenade Category Selection Chart

Weight (lbs)	Impact Level	Weight (kg)
	Low	
100-126	1	45-57
127-160	2	58-72
161-203	3	73-92
204-258	4	93-117
259-325	5	118-147

30 Fairbanks, Suite 114
Irvine CA 92618
toll-free 888.818.6777
tel 949.672.0032
www.freedom-innovations.com