

VERSA FOOT2-HD PERFORMANCE

Heavy duty category prosthetic foot used for high impact or heavy lifting sport and recreational activities for both AK and BK amputees

Features:

The VF2-HD Foot is the heavy duty version of our versatile VF2 sport foot. What sets this apart from the common prosthetic foot is its ability to be customized and tuned to your activity of choice; interchangeable sole plates, adjustable ankle resistance and pre-set ankle angle options. The key features that makes the Versa Foot2 unique are:

- Highly adjustable Fox DPS float shock
- Heel cushion allows vertical compression at heel strike
- Interchangeable carbon fiber sole plate with 4 Options: Foam Sole, Shoe Sole, Bike Sole, MX Sole
- Durable construction to withstand stresses from action sports and heavy lifting
- Corrosion resistant parts for use in and around water



SPECIFICATIONS

ACTIVITY LEVEL:	Unlimited
MAX. PATIENT WEIGHT:	600 lbs (272 kg)
<u>Combined weight of user and additional weight</u>	
SIZE RANGE:	25 – 29 cm
FOOT WEIGHT:	2 lbs 6 oz (1.08 kg)
BUILD HEIGHT:	6.25 in (15.875 cm)
FLEXION RANGE:	30 deg
ADAPTORS:	Foot has proximal male pyramid

1 Year Limited Warranty on foot frame and components

1 Year Limited Warranty on FOX SHOCK

Warning: Participating in any sport has certain risks involved, which may cause bodily injury, this is compounded even more for amputees since they may not have the balance and control with the prosthesis compared to a normal leg/foot. Therefore, we advise you to learn about the risks involved with each activity and be sure to take the necessary safety measures. The Alpine Foot alone, will not guarantee athletic performance.... Though with practice and the right tools, you can get there!

POSSIBLE ACTIVITIES

- Weight lifting
- Motocross
- Downhill/cross-country skiing
- Sportbike
- Jet Ski
- Equestrian activities
- Wake/snow/skate board
- ATV
- Mountain bike
- Waterskiing
- Road bike
- And much more



REMOVING AND SWAPPING SOLE PLATES



Remove screws labeled 1 (3mm hex) and 3 (5mm hex). Swap sole plates and assemble using Blue Loctite and torque bottom screws to 95 inch lbs. (the heel guard stays attached to sole plate)

ALIGNMENT ADJUSTMENTS

The VF2-HD has two ankle alignment options:

1. **Standard** shock position aligns the pyramid center 2.5 degrees past vertical (depending on sole plate heel height) plantar flexion.
2. **Forward** mount puts 5 degrees of forward lean (dorsiflexion) compared to the standard position. This is typically used for board sports when a flexed knee and ankle is desired for balance and control. To change positions, simply remove the front shock bolt and relocate shock shaft.



ANKLE RESISTANCE ADJUSTMENTS

The dorsiflexion resistance is controlled by two things:

1. **Air Spring** – the compressed air in the shock controls how much force it takes to flex the ankle with a maximum range of 28 degrees. Use the supplied air pump to make air adjustments.
2. **Hydraulic damping** – these adjustments control the speed at which the ankle moves while compressing (compression) and extending (rebound) There are 3 adjustments that can be made by turning the clickers on the heel end of the shock.

Making Air pressure adjustments

Remove air filler cap and thread supplied air pump hose onto filler valve. (note– when threading air pump onto filler valve, the pressure from inside the shock pressurizes pump which reduces the air pressure by around 5-8 psi.) Add air pressure by pumping the handle and reduce pressure by pressing the small button under pressure gauge. When removing the hose from shock you will hear air being released but that is only air from within the pump and hose. The air pressure inside the shock will not lose any pressure.



Warning: If the air pressure is too low/soft then the ankle can ‘bottom out’ or reach the maximum range . If this happens during an impact or under a heavy load, it has potential to cause damage to the toe of the sole plate or foot frame components. If you feel the ankle hitting a ‘dead stop’ at the maximum dorsiflexion range then add air pressure with the supplied air pump until this no longer happens.

FOX SHOCK ADJUSTMENTS

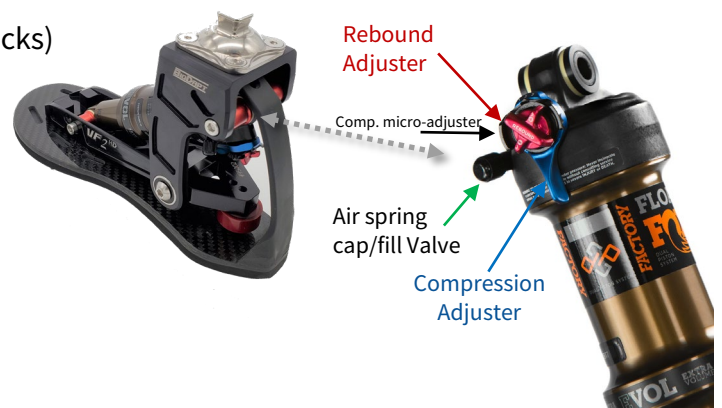
Red Dial - Compression/rebound clicker (range of 9 clicks)

- Rotate this clicker clockwise to slow the
- compression and rebound.

Example: if the toe feels too ‘springy’ then rotate clockwise to slow down the response

Black Dial– Compression micro-adjust (range 3 clicks)

- This is a micro adjustment that splits the blue lever options. You can fine tune the compression resistance with this option.
- Lift and rotate.



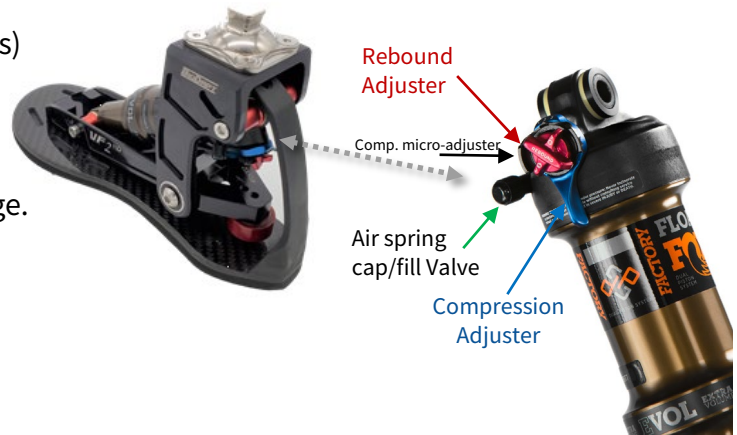
FOX SHOCK ADJUSTMENTS

Blue Lever – Compression Adjuster (range of 3 clicks)

- This adjustment controls the compression (dorsiflexion resistance) of the ankle only.
- This adjustment makes a very noticeable change.

Example: if the ankle compresses too quickly during an impact, then move to a stiffer position.

Left– Firm / Middle– Medium / Right–Soft



BASELINE SETTINGS (based on a 225 lbs. amputee with moderate to high adaptive skill level)

Rebound adjustment (red dial)– closed position is when the dial is rotated clockwise until it stops. This position closes/restricts oil flow which makes the shock extent slower

Compression adjustment (blue lever) – soft / medium / stiff

Snow/Wake/Skateboard – Front Leg

Air Pressure: 125-200 psi

Shock Mount Position: Standard or forward

Rebound: 4-6 clicks from closed position

Compression (blue Lever): Medium

Snow/Wake/Skateboard – Back Leg

Air Pressure: 100-175 psi

Shock Mount Position: Forward

Rebound: 5-7 clicks from closed position

Compression (blue Lever): Medium

Motocross / ATV / Snowmobile

Air Pressure: 90-150 psi

Shock Mount Position: Standard

Rebound: 5-7 clicks from closed position

Compression (blue Lever): Medium or soft

Weight Lifting / Gym Training

Air Pressure: 125-200 psi

Shock Mount Position: Standard

Rebound: 4-8 clicks from closed position

Compression (blue Lever): Medium or soft

Mountain Bike

Air Pressure: 90-150 psi

Shock Mount Position: Standard

Rebound: 5-7 clicks from closed position

Compression (blue Lever): Medium or soft

Downhill Ski

Air Pressure: 150-200psi

Shock Mount Position: Forward

Rebound: 3-6 clicks from closed position

Compression (blue Lever): Medium or stiff

TORQUE SPECS



MAINTENANCE SCHEDULE – For high stress use

Note: This is a mechanical device with multiple fasteners and moving parts that will be subjected to impacts, vibrations and other unknown stresses depending on the activities it may be used for. To minimize risk of malfunction or failure, we suggest the user does an occasional inspection of the device to ensure it is in proper working order.

10 to 20 hours of use

- Check sole plate for damage or cracks
- Check air pressure in FOX Shock
- Inspect all fasteners to make sure they're at proper torque spec.

150 to 200 hours– Maintenance work should be done by BioDapt service shop

- Air sleeve clean and lube
- Shock oil change
- Bearing inspection and/or replacement if needed



Contact us for Biodapt prosthetics information. We personally understand the challenges our customers face finding the right prosthetics and we strive to make the process easy.



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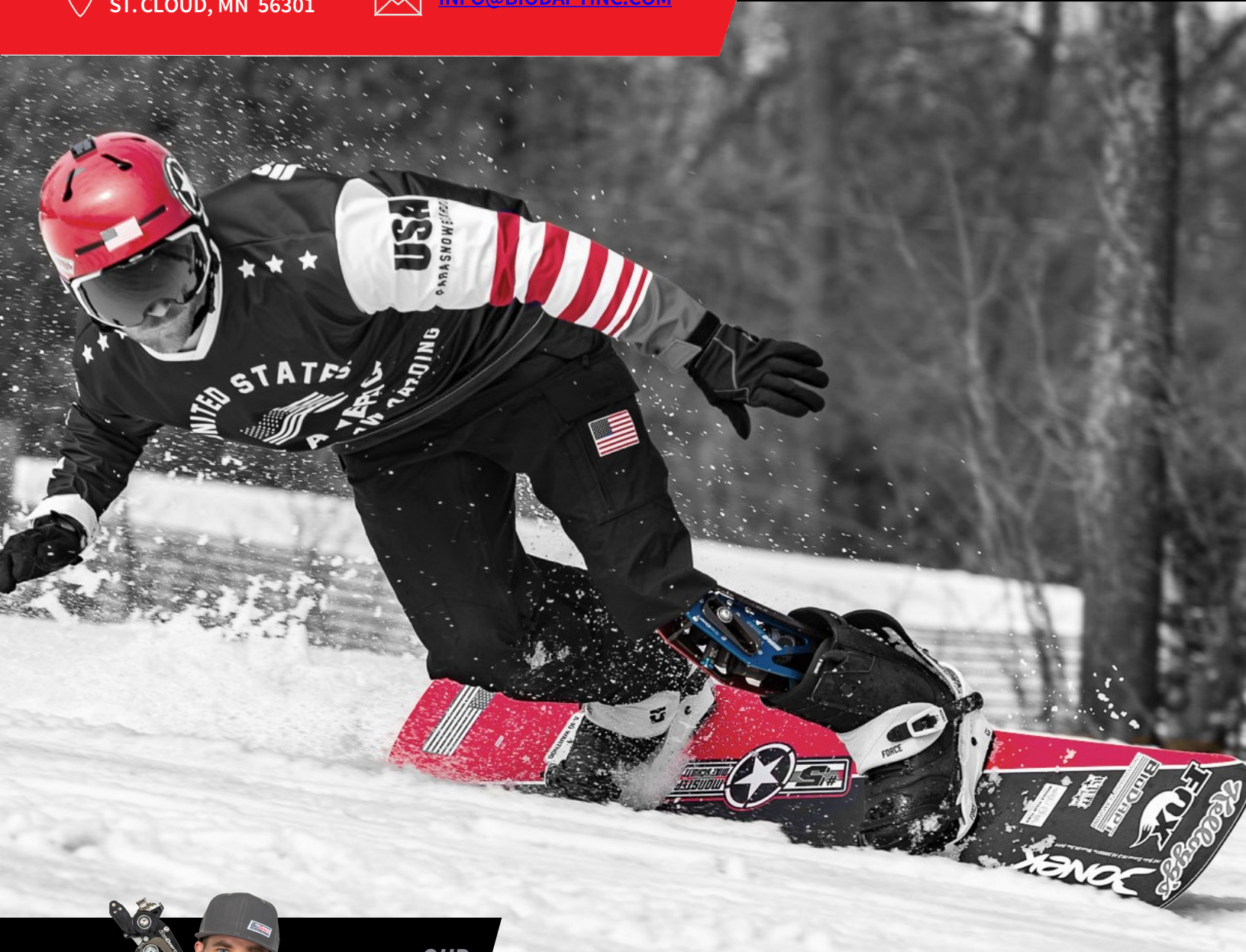


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“
I have two main passions in my life, being a competitor and designing/creating things in my shop. BioDapt allows me to do both while helping others perform at their highest level.
”



**OUR
STORY
STARTS
HERE...**

The Moto Knee2, Versa Foot2, VF2-HD, and Alpine Foot were created by Mike Schultz, a professional snowmobile racer that lost his leg above the knee in 2008, to an injury while racing. Unable to find prosthetic equipment to get back in action and refusing to compromise, he created his own. His new designs allow him to perform at a high level in all the sports he loves including snowboarding, motocross, and snowmobile racing. BioDapt was established in 2010, to help other amputees achieve their goals.

MIKE SCHULTZ | PRESIDENT

9 TIME X GAMES GOLD MEDALIST (MOTOCROSS, SNOWMOBILE, SNOWBIKE)
PARALYMPIC GOLD AND SILVER MEDALIST (SNOWBOARDING)