

Reactive Adaptations

Offroad handcycle manufacturer in Colorado

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Nuke



The NUKE Off Road Recumbent handcycle is a unique, capable, rear wheel drive recumbent handcycle with rear suspension.

Details:

Product Page	Link
Price	\$12,800+
Has e-assist	✓
Quad/Tetra	✓
Off-road	✓
Suspension	✓
Style	Tadpole

Pros and Cons of tadpole style

Pros	Cons
<ul style="list-style-type: none">• Rear wheel drive is better traction than front wheel• Compared to delta style tight turning radius• Higher clearance than delta style• Seat almost level with wheelchair	<ul style="list-style-type: none">• High center of gravity may tip more easily• Fairly complicated drivetrain

Videos:

<https://www.youtube.com/embed/SNsKnt8C5uw>

<https://www.youtube.com/embed/v7ftq6kF3CY>

Mako



The MAKO FULL SUSPENSION Off Road Recumbent handcycle is the ultimate, capable, rear wheel drive recumbent handcycle with suspension at all three wheels. Traction and hill climbing with a rear wheel drive recumbent handcycle are second to none. The Mako was developed for riders not able to or not interested in riding in the prone position (kneeling, face down) and for rider's wanting more suspension control than the [NUKE](#).

Details:

Product Page	Link
Price	\$17,800+
Has e-assist	✓
Quad options	✓

Off-road	✓
Suspension	✓
Style	Tadpole

Pros and Cons of tadpole style

Pros	Cons
<ul style="list-style-type: none"> • Full suspension on all three wheels • Upgraded Rofloff Speedhub comes standard • Rear wheel drive is better traction than front wheel • Compared to delta style tight turning radius • Higher clearance than delta style • Seat almost level with wheelchair 	<ul style="list-style-type: none"> • High center of gravity may tip more easily • Fairly complicated drivetrain

Videos:

<https://www.youtube.com/embed/tkp2GAWINbl>

<https://www.youtube.com/embed/JR2DfBsjsGs>

Reactive Adaptations Bomber

reactive adaptations Mako.jpg

With reinforced tubing joints in areas of high stress throughout the frame, the Bomber RS has been built to withstand even the toughest tests on the trail, in the backcountry and yet stay lightweight and agile. The Bomber's rear suspension provides improved ride quality, downhill speed control and improved traction uphill. The 24" wheels provide increased ground clearance, improved traction, increased speed, and a smoother ride. The replaceable derailleur hanger improves reliability on the trail and longevity for the frame when facing those close calls with rocks and logs.

Details:

Product Page	Link
Price	\$11,950+
Has e-assist	✓
Quad options	
Off-road	✓
Suspension	✓
Style	Prone

Pros and Cons of tadpole style

Pros	Cons
<ul style="list-style-type: none">• Rear wheel drive is better traction than front wheel• Compared to delta style tight turning radius• Higher clearance than delta style• Able to push off obstacles with hands• Good for descending using handlebars	<ul style="list-style-type: none">• Hard to transfer into• Harder to pedal and steer at the same time• Less comfortable

Videos:

<https://www.youtube.com/embed/tVCQjXtqXho>

<https://www.youtube.com/embed/0Iln8vXmhZc>

Reactive Adaptations Bomber



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Reactive Adaptations Bomber RS

reactive adaptations Mako.jpg

The Reactive Adaptations Bomber RS is a prone-position off-road handcycle built for backcountry trail riding. Rear-wheel drive with a rear suspension system delivers superior uphill grip and downhill stability. 24" wheels with Velocity hubs provide enhanced ground clearance and traction. The lightweight reinforced-tubing frame includes a replaceable derailleur hanger for trail durability. A carbon fiber/fiberglass hybrid seat pan with 3" diagonal adjustment range accommodates riders of varying heights. Brakes: Tektro Auriga hydraulic disc with Tektro Wave rotors. Steering via a single mountain bike handlebar. Handcrafted in Colorado.

Details:

Product Page	Link
Price	\$\$11,950+
Has e-assist	
Quad options	
Off-road	✓
Suspension	✓
Style	Prone

Reactive Adaptations Nuke

reactive adaptations Mako.jpg

The Reactive Adaptations Nuke is a recumbent off-road handcycle for riders who prefer to avoid the prone position. Rear-wheel drive combined with a Rock Shox rear shock delivers superior traction and downhill control on rugged terrain. Features 24" wheels for ground clearance, an internal 8-speed Alfine hub drivetrain with a 22/32-tooth crankset, and a carbon fiber/layered seat pan with 3" fore/aft adjustment. Foot tray adjusts 6" horizontally and 3.5" vertically. Dual steering options: crankset or handlebars. Reinforced frame joints handle the toughest trails. Carbon fiber footrests included.

Details:

Product Page	Link
Price	\$\$12,800+
Has e-assist	
Quad options	✓
Off-road	✓
Suspension	✓
Style	Tadpole

Reactive Adaptations Hammerhead

reactive adaptations Mako.jpg

The Reactive Adaptations Hammerhead is a full-suspension prone-position off-road handcycle handcrafted in Colorado. It features Fox Float front and rear shocks for superior trail control, rear-wheel drive, and 26" Velocity Blunt 35 rims with Maxxis Minion 2.3" tires for maximum traction and ground clearance. Drivetrain is a Rohloff 14-speed internal gear hub for a massive gear range. Brakes: Tektro HD-E745 hydraulic disc. Steering via mountain bike handlebar plus a chest pad for secondary control. Aluminum frame with reinforced joints and a replaceable derailleur hanger. Adjustable carbon fiber seat pan.

Details:

Product Page	Link
Price	\$\$15,100+
Has e-assist	
Quad options	
Off-road	✓
Suspension	✓
Style	Prone

Reactive Adaptations Wildcat T1

reactive adaptations Mako.jpg

The Reactive Adaptations Wildcat T1 is a custom-built off-road handcycle designed for kids and young riders, engineered in Crested Butte, Colorado. Its tadpole frame design and adjustable crankset (6" vertical range) grow with the child, while foot slings adjust ~10" fore/aft for a versatile fit. Drivetrain: Shimano Alfine 8-speed internal hub with a 22-tooth crankset and 32-tooth gear. Brakes: TRP E745 and E740 hydraulic disc front (180mm rotors) and hydraulic rear (160mm rotor). 12" wide seat with 1" foam cushion and washable cover. Lightweight, durable construction for confident trail riding.

Details:

Product Page	Link
Price	\$\$8,000+
Has e-assist	
Quad options	
Off-road	✓
Suspension	
Style	Tadpole

Reactive Adaptations Mako

reactive adaptations Mako.jpg

The Reactive Adaptations Mako is a full-suspension recumbent off-road handcycle with electric assist, built for riders who prefer a recumbent position over prone. It features full suspension at all three wheels, rear-wheel drive, a Bafang BBS02 750W mid-drive motor, and a Rohloff Speedhub 14-speed drivetrain (526% gear range). Front wheels are 24" for ground clearance; rear tire is 27.5"×2.8" for traction and a smooth ride. Carbon fiber seat pan available in 16" or 18" widths with 3" fore/aft adjustment. Foot tray adjusts 6" horizontally and 3.5" vertically. Steering via crankset or handlebars. Quad grips and brakes available for accessibility. Handcrafted in Colorado.

Details:

Product Page	Link
Price	\$\$17,800+
Has e-assist	✓
Quad options	✓
Off-road	✓
Suspension	✓
Style	Tadpole

Reactive Adaptations Stinger

reactive adaptations Mako.jpg

The Reactive Adaptations Stinger is a recumbent off-road trike built for adaptive riders seeking rugged trail performance with a comfortable seated position. It features a high-mounted derailleur to avoid trail debris, 26" fat tires for superior traction, and an ADI Active Contour seat with a carbon fiber pan (16" wide, 11" deep; seatback 15" wide, 20" tall). Optional 14-speed Rohloff Speedhub for hill-climbing range. Brakes: Tektro hydraulic disc. Powder-coated frame. Dimensions: ~74" long, 36" wide, 30" tall. Minimum inseam: 27". Fully customizable for individual rider needs.

Details:

Product Page	Link
Price	\$\$9,500+
Has e-assist	
Quad options	
Off-road	✓
Suspension	
Style	Recumbent Trike

Reactive Adaptations Bomber RS

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Details:

Product Page	Link
Price	\$11,950+
Has e-assist	
Quad options	
Off-road	✓
Suspension	✓
Style	Prone

Reactive Adaptations Nuke

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Quad options	✓
Off-road	✓
Suspension	✓
Style	Tadpole

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Price	\$15,100+
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Quad options	
Off-road	✓
Suspension	✓
Style	Prone

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Details:

Product Page	Link
Price	\$8,000+
Has e-assist	
Quad options	
Off-road	✓
Suspension	
Style	Tadpole

Reactive Adaptations Mako

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Suspension	✓
Style	Tadpole

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Details:

Product Page	Link
Price	\$9,500+
Has e-assist	
Quad options	
Off-road	✓
Suspension	
Style	Recumbent Trike