



Kiddy Viper Kiddy Coyote

Kiddy Viper & Kiddy Coyote Handcycles

Why should the grown-ups have all the fun?



Kiddy Viper is a powered quick release front attachment designed to fit the majority of fixed frame wheelchairs and will transform your child's wheelchair into a brilliant battery powered trike.

Helping people to get mobile is at the heart of our philosophy; we believe this is especially important for children.

Kiddy Viper helps kids develop their independence whilst having fun, so much fun in fact they all want to have a go!

Kiddy Viper can be easily transported in the back of your car and be ready to use within seconds.

Introduction

The electric system used for the Kiddy Viper is the same system we use for the Viper Classic, it is one of the robust e-Bike systems available. Made in Germany to the highest standards it is for its size and weight the most powerful there is. By power we mean high torque or great hill climbing capability.

We have tweaked the Kiddy Viper's electrics to give it slow speed traction control and a speed limit of 4mph. As your child gets older the speed can be increased via the potentiometer.

Kiddy Viper is reliable and rugged and will give years of service, both motor and controller have



passed strict stalled condition testing (in which the motor and throttle are turned on and the brakes are applied for a set length of time; this test is done to make certain that the electronic controller will not burn out under certain strenuous conditions).

The Kiddy Viper electric system has passed a maximum thermal drive test, during which the motor is run as slowly as possible for 10 minutes, this test is performed to make sure that the motor will not overheat; the Kiddy Viper motor has a built-in thermistor to prevent this situation and will cut the power under extreme conditions, once cooled down the motor will work again as normal.





Kiddy Viper Kiddy Coyote

Transform your wheelchair in seconds...

Kiddy Coyote handcycles are quick release wheelchair attachments designed to fit the majority of rigid frame wheelchairs and will transform your child's wheelchair into a brilliant lightweight, sleek, and sporty handcycle.

Introduction

Kiddy Coyote is a scaled down version of the adult manual handcycle. It has a 16" wheel with a geared hub, which also has a Coaster Brake (back pedal brake).

Gear Changing: A gear shifter is mounted on the handlebar. The unique design of the geared hub allows gear shifting whilst pedaling; the rider can also shift gear when stationary. In practice we have found that children rarely use the gear shifter and tend to use just one speed only.

Brakes: There are no brake levers to contend with, no cable adjustment and fumbling around trying to adjust brake blocks. The Kiddy Coyote comes equipped with a coaster brake commonly called a back pedal brake.

Kiddy Coyote Handcycles are a great way of staying healthy.

When you purchase a Team Hybrid handcycle for your child you are investing in their future health, fun and overall well-being.

The Kiddy Coyote handcycle is not only a great recreation handcycle but also a great way for your child to get aerobic exercise. The benefits of cycling to health, physical conditioning and quality of life are many and include improved muscle strength and improved stamina.

Cycling with Kiddy Coyote will also improve your child's circulation and respiratory functions through active exercise, burn up calories for weight control and weight loss and promote relationships with friends and family.



Docking System

Kiddy Coyote handcycles can be connected to most rigid wheelchairs via a docking system that is permanently mounted under the wheelchair. It is lightweight and adds approximately one kilogram to the weight of the chair.

The rear of the docking system is bolted to either the back axle or a bar going across the back of the chair. The front is bolted to the bar underneath the front of the seat. Some chairs do not have this bar, Kuschall for example. In this case we tailor a bar to the chair, which is then bolted on using the existing holes.

Our handcycles are designed to fit to rigid frame wheelchairs. They cannot be fitted to folding wheelchairs.

Fatigue Testing

Our docking system has succeeded in passing vigorous fatigue trials in the USA this included being drop tested 6,667 times along with a multi drum (rolling road) test of 200,000 cycles without failure or the need for adjustment on any component.

(Testing was carried out using the Viper power cycle connected to a Quickie GPV wheelchair).