

# HELIO *kids*



 **MOTION**  
COMPOSITES



## GO BEYOND!

Motion Composites believes in empowering wheelchair users. Why? Because clunky and inefficient equipment is unfortunately too common. Which means you're less mobile and less efficient than you could be — and should be.

So we did something about it. We use the world's most advanced technologies to enhance kids' mobility and improve their lives.

The Helio Kids is an excellent example. It offers unrivaled strength and durability through the use of cutting edge carbon fiber technology.

With its superior fatigue resistance, extreme temperature tolerances and exceptional durability, carbon fiber is one of the strongest yet lightest materials on earth. That's why it's the ultimate wheelchair material — making the Helio Kids the lightest folding pediatric wheelchair anywhere.



**HELIO**  
kids



## Easy to propel, easy to lift.

Wake up, go to school, go to music lessons, go to a play date, go home, repeat! We know what life with kids is like, and we can help. The Helio Kids is the lightest folding manual chair available. So not only will kids get the most mileage out of their energy, but that last lift out of the car trunk will be that much easier on you.





Depth-adjustable back

## **26% lighter than the competition.**

We use the same high quality carbon fiber that goes into Formula 1 racing cars to build our ultra lightweight wheelchairs. T700 high-modulus carbon fiber is unrivaled when it comes to strength and rigidity. So our frame is not only ultra-light, but incredibly strong too. Kids can be tough on their wheelchairs. But the Helio Kids can take the punishment!

## **Get more mileage out of your energy.**

Everybody benefits from an easier to propel kid's wheelchair. The Symmetrical Molded Crossbrace, oval shaped tubes and oversized pivot axles work in concert, while our unique Ultrarigid Folding System maximizes frame rigidity and responsiveness.

## **Kids grow...but you knew that**

The Helio Kids is made to grow right along with them. The adjustable back allows you to increase seat depth up to 3" (7.6 cm) in infinite increments for greater precision. Plus, you can just as precisely modify footplate height in seconds. Result — the Helio Kids gives you perfect fit... even if kids do seem to grow overnight!

## **Better design means better mobility.**

Even an ultra lightweight carbon fiber frame can get weighed down without the right components. That's why every single accessory, bolt and bracket of the Helio Kids is designed with weight reduction in mind. From our forged aluminum axle plate to our functional swing-in, swing-out front rigging, we've made lightness a top priority.



New injected plastic crossbrace links are lighter and more durable

New fully molded carbon seat rail with integrated seat slider

Ultrarigid Folding System offers best-in-class propulsion efficiency

Rigid Unibody Frame eliminates joints, reduces movement and maximizes efficiency

Integrated into the frame, the caster housing offers simple and infinite angle adjustments

New footrest anchor bracket is inset with an integrated friction plate to protect the carbon fiber frame



**High-Modulus Carbon T700** — The lightest and most rigid material available, also renowned for its vibration dampening properties.



**Rigid Unibody Frame** — A unibody frame is much stronger and needs less maintenance than a standard two-part frame. It also reduces weight while maximizing propulsion efficiency.



**Symmetrical Molded Crossbrace 3D** — Entirely symmetrical carbon fiber crossbrace for reduced torsion and better energy distribution throughout the frame.



**Ultrarigid Folding System** — High-precision tolerances and oversized pivot axles for best-in-class propulsion efficiency.



**Forged Vertical Axleplate** — Offers the industry's most precise rear wheel adjustability. The vertical mounting maximizes rigidity and responsiveness.



**Evolve Caster Housing** — Embedded inside the frame for rock-solid durability, the Evolve Caster Housing offers easy and precise infinite adjustments.



**Anti-flutter system** - Reduces flutter to using a simple screw turn.



**Newton Accessories** — Parts and accessories designed to be lighter, with improved functionality and awesome style

## Technical Specifications

### Structure

Frame	Folding Unibody Frame
Material	T700 High-Modulus Carbon Fiber
Weight	12 lbs. (5.3 kg) (w/o rear wheels and footrests)
Weight capacity	175 lbs. (79 kg)

### Dimensions

Width	12" (30.5 cm) to 16" (40.6 cm)
Depth	12" (30.5 cm) to 19" (48.3 cm)
Front seat-to-floor height	13" (33.0 cm) to 21¼" (54.0 cm)
Rear seat-to-floor height	12 ½" (31.8 cm) to 19" (48.3 cm)



## Motion Composites

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**Seat depth**  
12" to 19"  
30.5 to 48.3 cm



**Seat width**  
12" to 16"  
30.5 to 40.6 cm



**Front seat to floor**  
13" to 21¼"  
33.0 to 54.0 cm



**Rear seat to floor**  
12½" to 19"  
31.8 to 48.3 cm



**Back height**  
15" to 21"  
38.1 to 53.3 cm



**Footrest angle**  
60°, 70°, 90°



**Back angle**  
90° to 105°



**Wheel camber**  
0°, 3°, 6°



**Center of gravity**  
3" ¼ range  
8.3 cm range



**Weight limit**  
79 kg  
175 lbs



**Overall width**  
from + 7½"  
from + 19.1 cm



**Armrest height**  
8" - 14"  
20.3 to 35.6 cm



Carbon Finish



Sunkissed Orange



Burgundy



Monster Green



Steel Blue



Charcoal



Ferrari Red



Fushia



Acid Green



Sapphire Blue



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