



SO LIGHT
EVEN A CHILD
CAN LIFT IT



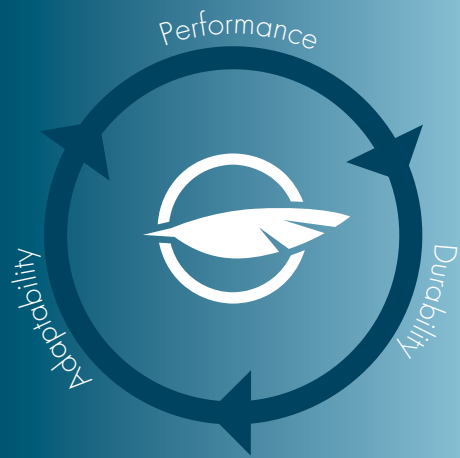
MOTIONCOMPOSITES
FEATHERWEIGHT MOBILITY

WHEN LIGHTNESS MEETS ADAPTABILITY

Motion Composites rethought technology to give life to a featherweight, foldable, durable and adjustable wheelchair: the Helio.

Giving a new breath to mobility, Helio forges a new path in the industry by joining a folding frame to an ultra lightweight body. This innovation was realized thanks to a fusion of cutting-edge technologies borrowed from the Aerospace and Formula 1 industries.

Based upon the extraordinary lightness of advanced composites, every part and mechanism of the Helio have been designed to satisfy three essential qualities of a great wheelchair:



Featuring Motion Composites' patented structural innovations: Monocoque Frame, ISO Lock System and C³ Crossbrace, the Helio wheelchair combines the lightness and responsiveness of a rigid chair with the convenience of a folding frame.

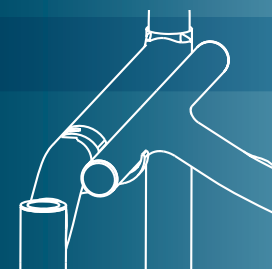


HELIO: THE ULTIMATE FREEDOM OF MOVEMENT



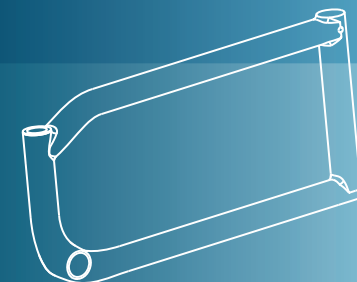
Drop Rails

Thanks to embedded seat rails inside the frame, the Helio features a seat-to-floor height amongst the lowest on the market.



Monocoque Frame

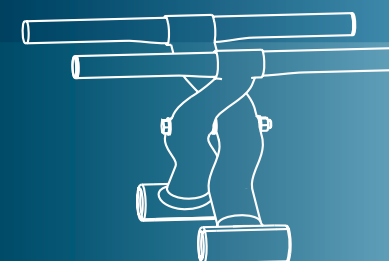
Maximizing the benefits of composite materials, Helio's unique monocoque design allows a lighter and stronger construction, making the chair more responsive as well as more durable.



C³ Crossbrace

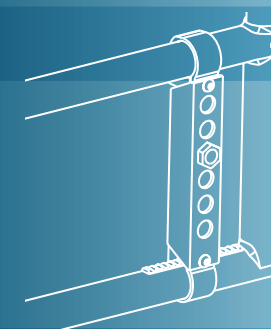
The C³ Crossbrace is the first and only symmetrical crossbrace that efficiently and evenly distribute forces throughout the frame.

This patented geometry provides the most precise handling of all folding wheelchairs.



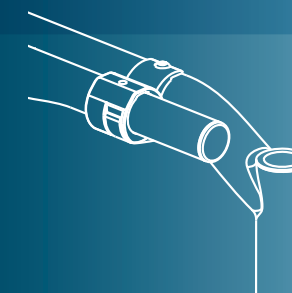
Ultralight Axle Plate

Helio's rear wheel adjustment has been designed to greatly lighten the wheelchair's structure while providing a wide range of precise settings and increase rigidity.



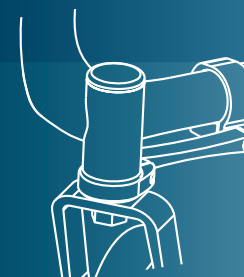
ISO Lock System

Combined with helio's distinctive seat rail support, the ISO lock system truly eliminates all possible movement between the frame components. Therefore, Helio offers the convenience of a folding frame with the lightness and handling of a rigid chair.



Evolve Caster Housing

Finally, adjusting the caster angle is child's play! Engineered with simplicity in mind, the Evolve Caster Housing lets you quickly set the right position that will withstand everyday abuse.



** Patent pending*

WHEN NEW MATERIALS OUTPERFORMS EXISTING ONES

Wheelchairs were first made of wood, then improved with steel and later aluminum. Motion Composites goes one step further in bringing the proven technology of advanced composites to the world of mobility.

Advanced composites exhibits the most desirable characteristics of any wheelchair-building materials used to date: high rigidity, vibration absorption, fatigue resistance, extreme lightness, ergonomic shapes and an absolute resistance to corrosion. **The Helio boasts all those benefits and is the first ultralight foldable wheelchair entirely made of composite materials.**

Technical Specifications

Structure

Frame.....	Folding with C ³ Crossbraces
Material.....	Aerospace grade composite materials
Weight.....	14.5 lbs (w/o rear wheels, w/o footrests)
Weight capacity.....	250 lbs

Dimensions

Seat Width.....	14" to 20"
Seat Depth.....	13" to 20"
Front seat-to-floor height.....	13 ½" to 21"
Rear seat-to-floor height.....	12" to 20 ½"

Adjustability

Seat Upholstery.....	Tension adjustable bolt on
Back Height.....	10" to 22"
Adjustable back angle.....	65° to 115°
Footrest.....	Swing Away
Camber.....	0°, 3°, 6°
Center of Gravity.....	½" to 4 ½"

