



HELIO A7

 **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 mobility and improve people's lives. One of the industry's most advanced aluminum wheelchairs, the Helio A7 incorporates everything we've learned to date.

Using the revolutionary hydroforming process, which lets us shape malleable metals such as the high-end 7005 T6 aluminum alloy, we've succeeded in reproducing our signature Symmetrical Crossbrace 3D and our Ultrarigid Folding System on the Helio A7. For users, this means nimbler handling and unmatched energy conservation for easier everyday activities.

The Helio A7 is one of the lightest, most efficient folding aluminum chairs in the industry.





HELIO A7



One of the lightest wheelchairs in its class.

When it comes to lightweight performance, Motion Composites is fantastic. Take the Helio A7, for example. The cutting-edge design, paired with the outstanding properties of 7000 series aluminum, have produced a standard configuration Helio A7 that weighs up to 5 lb (2.2 kg) less than other wheelchairs in its category.

High-end aluminum manufacturing yields high-end performance.

By coupling the latest hydroforming technologies with an ultra high-performance aluminum alloy, we created one of the lightest folding aluminum wheelchairs ever.

Get more mileage out of your energy.

Everybody benefits from an easier to propel wheelchair. The Symmetrical Hydroformed Crossbrace, the oval shaped tubes and the oversized pivot axles work in concert while our unique Ultrarigid Folding System maximizes frame rigidity and energy conservation.



The lowest seat-to-floor height.

The innovative frame design lets you achieve a super low 13" (33.0 cm) front seat-to-floor height with 3" casters on a standard frame.



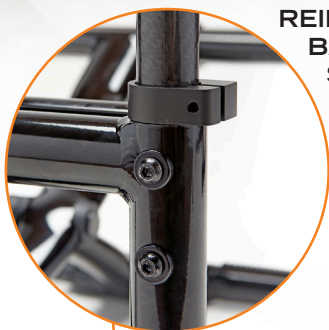
Better design for better mobility.

Even an ultra-lightweight aluminium frame can get weighed down without the right components. That's why every single accessory, bolt and bracket of the Helio A7 is designed with weight reduction in mind. From the Flip-Back Convertible Armrests to the forged aluminum axle plate, lightness is a top priority.

Truly innovative armrest.

The composite lightweight armrest quickly converts from flip-back to single post for easier configuration. Height adjustments are just a flick away thanks to a simple trigger system. Experience safer transfers with the enhanced rubber grip finish.





**REINFORCED
BACK CANE
SUPPORT**
for added
stability and
comfort.



**ALUMINIUM
SEAT RAIL**
With integrated
seat slider for
better seat sling
support.



**ULTRA-
RIGID
FOLDING
SYSTEM**
offers best-
in-class
propulsion
efficiency.



**RIGID
UNIBODY
FRAME**
eliminates joints,
reduces movement and
maximizes efficiency.



**ANTI-FLUTTER
CASTER**
provides a
smooth, more
efficient ride.

**HYDRID FRAME
DESIGN**
Eliminates
the need for
both hemi
and standard
frame,
providing a
complete range
of seat-to-floor
heights.



**INTEGRATED
CASTER HOUSING**
offers simple
and infinite angle
adjustments.



Ultralight Aluminum 7005 T6 - An aluminum alloy renowned for its high strength-to-weight ratio.



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



Symmetrical Hydroformed Crossbrace 3D - Entirely symmetrical aluminum 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 - Integrated into the frame for rock-solid durability, the Evolve Caster Housing offers easy and precise infinite adjustments.



Flip-back Convertible Armrest - Easy to adjust and made of composite materials for strength and reduced weight, it is the only armrest that converts from flip-back to single post without the use of tools.



Anti-Flutter System - Minimize flutter with a simple twist of a screw.



Newton Accessories - Parts and accessories designed to be lighter with improved functionality and style.

Technical Specifications

Structure

Frame	Folding
Material	7005 aluminum
Weight limit	265 lb (120 kg) Kit HD: 350 lb (159 kg)
Transport weight	13.6 lb (6.2 kg) 16"16, w/o rear wheels, wheel locks, Armrests, Cushion, Anti-tippers, Footrest/Plate. Lightest configuration: 23.5 lb (10.6 kg) (w/ wheel locks and wheels)

Dimensions

Width	14" (35.6 cm) to 22" (55.9 cm)
Depth	14" (35.6 cm) to 20" (50.8 cm)
Front seat-to-floor height	(w/3" caster) (w/8" caster) 13" (33 cm) to 21 1/2" (54.6 cm)
Rear seat-to-floor height	(w/20" wheel) (w/26" wheel) 12 1/2" (31.8 cm) to 20 1/4" (51.4 cm)

Motion Composites
Quebec, Canada

T 1(866) 650-6555 F 1(888) 966-6555
info@motioncomposites.com
www.motioncomposites.com



Seat depth
14" to 20"
35.6 to 50.8 cm



Seat width
14" to 22"
35.6 to 55.9 cm



Front seat to floor
13" to 21 1/2"
33.0 to 54.6 cm



Rear seat to floor
12 1/2" to 20 1/4"
31.8 to 51.4 cm



Back height
9" to 21"
22.9 to 53.3 cm



Footrest angle
60°, 70°, 80°, 90°



Back angle
85° to 110°



Wheel camber
0°, 3°, 6°



Center of gravity
1" to 3.75"
2.5 to 9.5 cm



Weight limit
265 lb (120 kg)
(HD Kit: 350 lb
159 kg)



Overall width
Min 20 3/4" (52.7 cm)
Max 33 1/2" (85.1 cm)



Armrest height
8" to 14"
20.3 to 35.6 cm

Standard

Basalt
Black



Sunkissed
Orange



Burgundy



Monster
Green



Steel
Blue



Charcoal



Ferrari
Red



Fushia



Acid
Green



Sapphire
Blue



MOTION
COMPOSITES

A7 brochures pages