



FOLDING  
ALUMINUM

**HELIO A7**

| A WORLD OF INFINITE POSSIBILITIES



# HELIO A7



## A WORLD OF INFINITE POSSIBILITIES

The HELIO A7 folding wheelchair by Motion Composites combines innovative design and leading-edge engineering. The result is an agile, fully adjustable wheelchair with excellent propulsion to take you even further. Sophisticated technology and high-performance 7000-series aluminum alloy give the HELIO A7 unparalleled maneuverability and lightness.

World-renowned, Motion Composites uses its know-how and its passion for innovation to design unique, cutting-edge products inspired by you. As a visionary and passionate company, our ambition is driven by your experience.

We believe that high-performance wheelchairs enhance people's lives with components, design, features and quality. HELIO A7 is our passion for performance, our commitment to quality and our vision of greater freedom brought to life.

GO BEYOND!



Model/Ambassador: Cheryl Angelelli



*" I found a wheelchair that adjusted perfectly to my needs and, above all, competent people to make the most of it. "*

- Jenna Wilson, Carson City, USA

## ULTRALIGHT AND MOBILE

- The lightness of 7000-series aluminum alloy
- Better design for greater mobility

By combining the latest hydroforming technologies with an aluminum alloy known for its excellent strength-to-weight ratio, we've created one of the lightest folding aluminum chairs on the market. Each HELIO A7 accessory and component was designed to reduce weight as much as possible for highly reactive handling.

## MANEUVERABILITY AND EASE OF PROPULSION

- Save your energy to go further
- Mobile, agile, working for you

Ease of propulsion is an undeniable plus and, with the HELIO A7, you'll enjoy remarkable agility. The completely symmetrical hydroformed cross brace maximizes the frame's stability, saving you considerable energy on a daily basis to make every push counts.

## HIGHLY FUNCTIONAL AND ADJUSTABLE

- Innovative and fully adjustable components
- Well-designed accessories

Maximizing stability and reactivity, the forged vertical axle plate offers the industry's most precise rear wheel adjustability. The composite armrests quickly convert from flip-back to single post for easy configuration and the height can also be adjusted with the flick of a finger thanks to a simple trigger system.

## OPTIMAL SEAT-TO-FLOOR HEIGHT

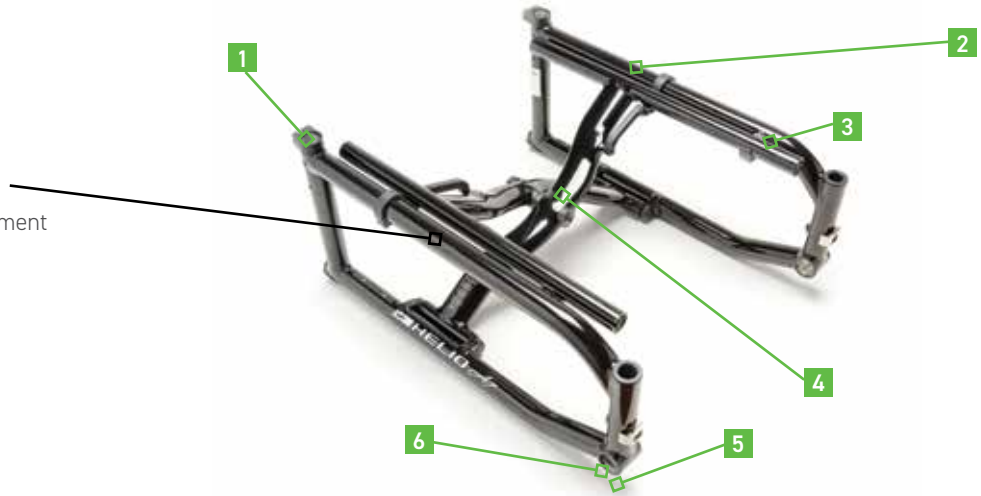
- Practical contact with the ground, no matter the height
- Multiple heights thanks to the hybrid frame design

The frame's innovative design allows you to achieve a super-low 13-inch (33-cm) front seat-to-floor height. In addition to easier contact with the floor, this feature provides better foot propulsion if needed.

# FEATURES

## RIGID UNIBODY FRAME

Eliminates joints, reduces movement and maximizes efficiency



### 1 REINFORCED BACK CANE SUPPORT

For added stability and comfort



### 2 HYBRID FRAME DESIGN

Eliminates the need for both hemi and standard frame, while providing a complete range of seat-to-floor heights



### 3 ALUMINUM SEAT RAIL

With integrated seat slider for better seat sling support



### 4 ULTRARIGID FOLDING SYSTEM

Offers best-in-class propulsion efficiency



### 5 ANTI-FLUTTER SYSTEM

Provides a smooth, more efficient ride



### 6 INTEGRATED CASTER HOUSING

Offers simple and infinite angle adjustments



## TECHNOLOGIES



### 7005 T6 ULTRALIGHT ALUMINUM

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 CROSS BRACE 3D

Entirely symmetrical aluminum cross brace for reduced torsion.



### ULTRARIGID FOLDING SYSTEM

High-precision tolerances and oversized pivot axles for best-in-class propulsion efficiency.



### FORGED VERTICAL AXLE PLATE

Offers the industry's most precise rear wheel adjustability. The vertical mounting maximizes stability 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.

## TECHNICAL SPECIFICATIONS

FRAME	Folding
MATERIAL	7005 T6 aluminum
TRANSPORT WEIGHT	13.6 lb.   6.2 kg (16 x 16 without rear wheels, wheel locks, armrests, cushion, anti-tippers and footrest)
LIGHTEST CONFIGURATION	23.3 lb.   10.6 kg with wheel locks and wheels
WEIGHT LIMIT	265 lb.   120 kg ■ 350 lb.   159 kg—HD Kit
WIDTH	14 in. to 20 in.   35.6 cm to 50.8 cm ■ 18 in. to 22 in.   45.5 cm to 55.9 cm—HD Kit
DEPTH	14 in. to 20 in.   35.6 cm to 50.8 cm
FRONT SEAT-TO-FLOOR HEIGHT	13 in. to 21 ½ in.   33 cm to 54.6 cm (with 3 in. to 6 in. caster)
REAR SEAT-TO-FLOOR HEIGHT	12 ½ in. to 20 ¼ in.   31.8 cm to 51.4 cm (with 20 in. to 26 in. wheel)

## DIMENSIONS



### SEAT WIDTH

14 in. to 22 in. | 35.6 cm to 55.9 cm



### SEAT DEPTH

14 in. to 20 in. | 35.6 cm to 50.8 cm



### FRONT SEAT-TO-FLOOR HEIGHT

13 in. to 21 ½ in. | 33 cm to 54.6 cm



### REAR SEAT-TO-FLOOR HEIGHT

12 ½ in. to 20 ¼ in. | 31.8 cm to 51.4 cm



### BACK HEIGHT

9 in. to 24 in. | 22.9 cm to 61 cm



### ARMREST HEIGHT

6 in. to 14 in. | 15.2 cm to 35.6 cm



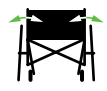
### FOOTREST ANGLE

60°, 70°, 80°, 90°



### BACK ANGLE

85° to 110°



### WHEEL CAMBER

0°, 3°, 6°



### CENTER OF GRAVITY

1 in. to 3 ½ in. | 2.5 cm to 9.5 cm



### OVERALL WIDTH

20 ¼ in. min. to 33 ½ in. max.  
52.7 cm min. to 85.1 cm max.



### WEIGHT LIMIT

265 lb. | 120 kg  
350 lb. | 159 kg—HD Kit

## COLOR CHART

FRAME COLOR.  
CROSS BRACE IS BLACK.

Black

Charcoal

Steel Blue

Sapphire Blue

Monster Green

Acid Green

Burgundy

Fuschia

Ferrari Red

Sunkissed Orange

## GO BEYOND!

Who we are: passionate innovators pushing the boundaries of what is possible. What we do: combine leading-edge engineering with innovative materials to create movement. What makes us proud: having our ultralight wheelchairs echo the love of life their users demonstrate each day. Through our unique approach and distinct attitude, our aim is to enhance lives, nourish a sense of freedom and revolutionize the way people see wheelchairs.

**LEARN MORE** To learn more about the HELIO A7 and find more information regarding our products, visit our website at [motioncomposites.com](http://motioncomposites.com)



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