

Helio C2 Clinical Notes



Clinical Issue	Solution	Why Motion Composites
The client is at risk of upper extremity pain and injury due to overall load weight during self-propulsion.	Using a wheelchair made of the lightest materials available.	The Helio C2 is made of carbon fiber which has the highest strength to weight ratio of any wheelchair frame material. It is the lightest wheelchair available in its category (lightweight performance manual wheelchair).
The client is at risk of upper extremity pain and injury if proper pushrim ergonomics are not used.	Using a wheelchair that allows for individualized and precise rear wheel adjustment.	The Helio C2 rear wheel axle allows for 5 inches of rear wheel height adjustability in ¼ inch increments. This is one of the widest ranges with the most precision available.
The client is at risk of upper extremity pain and injury if ideal distribution of weight over the rear wheels is not achieved.	Using a wheelchair that allows for individualized and precise centre of gravity (COG) adjustment.	The Helio C2 rear wheel axle allows for 3 ¼ inches of COG adjustment in ¼ inch increments. This is one of the widest ranges with the most precision available.
The client uses hemi-propulsion or bilateral foot propulsion to propel their wheelchair.	Using a wheelchair with a super low front seat to floor height for propulsion ergonomics and a flush front end and to prevent injury to the propelling leg(s).	The Helio C2 offers a front seat to floor height of 13.5 inches, one of the lowest available. When the front rigging is removed the hardware on the front of the frame does not protrude.
The client completes independent car transfers and needs to be able to lift the wheelchair into the car (and they require a swing away front end).	Using the lightest folding wheelchair available with a swing away front end.	The Helio C2 is the lightest wheelchair in its category. It folds in the traditional fashion. The swing away front end can be removed.
The client requires flip back, height adjustable armrests during desk work and when transferring in tight spaces. They also want to remove armrests when necessary.	Using a wheelchair with armrests that are height adjustable on the fly, flip back and are removable.	The Helio C2 can be accessorized with 2-in-1 armrests that have a quick and easy, tool-free height adjustment and that are both flip-back and removable. There is no other wheelchair made by another manufacturer with this feature.
The client wants to maintain independent propulsion at home and/or in the community and needs an efficient, adjustable, folding wheelchair.	Using a wheelchair that is highly adjustable and is designed to feel and perform like a rigid wheelchair with the convenience of a folding frame.	The Helio C2 folds in the traditional fashion and has several design features (uni-body side frame, symmetrical molded crossbrace, and ultra-rigid folding system) that, along with correct set up, ensure an incredibly efficient ride.

The client wants/needs to maximize cost effectiveness over the lifetime of the wheelchair.	Purchasing a performance wheelchair vs a standard wheelchair with proven durability.	The Helio C2 is a performance wheelchair (adjustable and made of high quality materials). It exceeded the minimum 200 000 cycle requirement on the RESNA test of strength and durability by 2X for a total of 400 000 cycles.
The client wants to maximize activity level, community involvement and independence.	Evidence shows that using a lightweight wheelchair that performs well reduces the incidence of wheelchair non-use/abandonment.	The Helio C2 is the lightest wheelchair available in its category and has been designed for performance.
The client has reduced dexterity and motor planning abilities and needs to independently operate wheelchair adjustments.	Using a wheelchair with ergonomic levers that are simple to access and operate.	The Helio C2's armrest height and flip back adjustment levers are easy to access and operate. The swing in/out lever on the front rigging is ergonomic and can be pushed in or out to operate both swing-in and swing-out functions.