

# VELOCE

## Clinical notes

CLINICAL ISSUE	SOLUTION	WHY MOTION COMPOSITES
The client requires a high performance manual wheelchair that can fold for transportation.	Using a wheelchair that performs like a rigid chair and folds in a traditional fashion.	The Veloce is engineered for maximum frame rigidity and responsiveness. It met the criteria to be classified as an adult high performance rigid manual wheelchair by the Ontario equipment funding agency. It is the only chair in that category that folds in
The client has a new injury or a condition that may change over time and requires a high performance manual wheelchair that can be adjusted to accommodate future changes.	Using a high performance manual wheelchair that can be adjusted to adapt to the changing needs, preferences or dimensions of the user over time.	The Veloce centre of gravity, front and rear seat to floor height, static tilt angle, seat width, footplate height angle, camber and accessories can be adjusted or changed with the needs, preferences and dimensions of the user.
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 Veloce is made of carbon fiber which has the highest strength to weight ratio of any wheelchair frame material. It is the lightest folding wheelchair available in the world.
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 Veloce's rear wheel axle allows for 5 inches (12.7 cm) of rear wheel height adjustability in ¼ inch (0.64 cm) increments. This is one of the widest ranges with the most precision available.

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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 Veloce 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 Veloce 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 light-weight wheelchair that performs well reduces the incidence of wheelchair non-use/abandonment.	The Veloce is the lightest wheelchair available and has been designed to maximize frame rigidity and responsiveness.
The client transfers using a standing pivot transfer and requires footplate clearance without a swing-away front end	Using a wheelchair with a footplate that flips up to allow for standing transfers.	The Veloce has a flip up footplate mounted to a rigid front end that will allow for standing transfers.

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The client must access living or work environments with limited space for mobility and transfers.	Using a wheelchair with a compact frame and narrow front end footprint.	The Veloce comes standard with a v-shaped front frame, single prong caster forks, and the fixed front end angle can be customized at a 70, 80 or 90 degrees for a minimalist front end footprint.
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 Veloce 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.