

APAK

ALUMINUM



AWARD
HARDING
INNOVATIVE
PRODUCT



Canadian Seating &
Mobility Conference



MOTION
COMPOSITES



GO BEYOND GOOD TIMES!

Motion Composites believes in empowering wheelchair users. How? By giving them the fit, freedom and mobility that's rewriting the book on what's possible. We use the world's most advanced technologies to enhance people's lives with every single push.

The APEX Aluminum redefines how the world thinks about wheelchairs, but don't let the name fool you. It comes with a standard carbon fiber camber tube to make it that much lighter with a transport weight of just 10.5 lb (4.8 kg), giving you an easy-to-maneuver, fully adjustable rigid chair for ultimate comfort and convenience.

Once again, Motion Composites surpasses every expectation for adjustability, weight and quality. The proof is in the performance. The APEX Aluminum wheelchair. Strong, Stylish Simplicity in every innovative detail.

APEX



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Praised for its ingenuity, the Apex was the winner of the distinguished Harding Award for Most Innovative Product at the 2016 Canadian Seating and Mobility Conference.

Always keep your edge

Our ultralight, fully adjustable rigid wheelchair represents a revolution in rigid chair design. Why? Because it's the best of all possible worlds. The best combination of lightness, strength and performance AND full adjustability you need for your active life.

The lightest wheelchair in its class.

With a transport weight of just 10.5 lb (4.8 kg), the APEX obliterates every

preconceived idea about aluminum rigid chairs. It's fully configurable and performs like its carbon fiber twin. Plus, the APEX cantilever design is constructed using the industry's most advanced materials.

10.5^{LB}

Head-turning design.

Check out the design and construction details on the APEX. Or, examine its innovative components and accessories, such as the integrated impact guard and rigidizing system.

In a word... revolutionary.

The APEX from Motion Composites. Welcome to a new era in rigid chair design and performance.

APEX



Shed the weight. Up the performance.

The APEX cantilever design is constructed from the most advanced materials in the industry, making it one of the lightest aluminum chairs around.

Nimble and responsive.

The unique rear rigidizing bar on the APEX optimizes ride performance. By increasing rear-frame rigidity, we've achieved an open design concept that increases lateral stability. The result? Flex where and when you want it, and no sacrifice in stability for gains in comfort and ease of transport.

Sleek styling.

Inspired by modern design and aesthetics, the head-turning lines on the APEX prove once again that form should follow function. We invite you to linger on the APEX's gentle curves and bold styling. Every design detail delights the eye and excites the senses.

Adjusts to your life.

As people change and evolve, so should their wheelchairs. From simple adjustments in back angle, seat to floor height, to tunable rear wheel positions, the APEX is fully modular and adjustable. Plus, its laser-etched markings allow you to more easily adjust key components and specify exact positioning.



Bubble levels

Highly accurate and calibrated system for a quick and perfect adjustment.





**BACK REST
ADJUSTMENT**

Offers wide range of adjustments to fit any position.



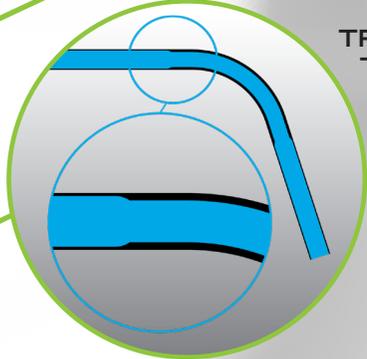
**STANDARD
CARBON
FIBER REAR
RIGIDIZER
BAR**

Allows for optimal propulsion and frame stiffness.



**STANDARD
CARBON
FIBER
CAMBER
TUBE**

Adds carbon fiber strength and reduces overall weight.



**TRIPLE BUTTED
TUBE**

Reduces weight in non-critical sections and increases strength where needed.



**REAR AXLE
PLATE**

Provides a multitude of adjustments while maximizing rigidity and responsiveness.



**FRONT
BUMPER**
Provides style and protection.

APEX Aluminum

Since choice is important, we also build the APEX Aluminum with a unique alloy that's 20% stronger than 7005 aluminum. This elevates the APEX Aluminum into a new category of adjustable performance.

Technical Specifications

Frame	Rigid		
Material	Triple-Butted Aluminum		
Transport weight	10.5 lb (4.8 kg) (16" 16, w/o rear wheels, wheel locks, Armrests, Cushion, Anti-tippers) Lightest configuration: 18 lb (8.2 kg) (w/ wheel locks and wheels)		
Weight limit	265 lb (120 kg)		
Width	12" (30.5 cm) to 20" (50.8 cm)		
Depth	12" (30.5 cm) to 20" (50.8 cm)		
Front seat-to-floor height	(w/3" caster)	to (w/6" caster)	14" (35.6 cm) to 21" (53.3 cm)
Rear seat-to-floor height	(w/20" wheel)	to (w/26" wheel)	14" (35.6 cm) to 20" (50.8 cm)



AluLite aluminum alloy - Stronger and lighter than 7005 aluminum.



Triple-butted aluminum - Reduces weight while maintaining strength. We put the strength where it counts!



Clamped rigidizing system - Patented modular system enhances versatility and rear frame stiffness.



Bubble levels - Built-in highly accurate and calibrated gauges make caster adjustment quick and precise.



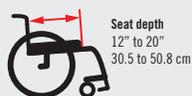
Standard carbon fiber camber tube - Provides a rigid ride without added weight.



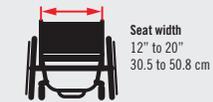
Laser etched markings - Allow for quick and easy symmetrical adjustments.



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



Seat depth
12" to 20"
30.5 to 50.8 cm



Seat width
12" to 20"
30.5 to 50.8 cm



Front seat to floor
14" to 21"
35.6 to 53.3 cm



Rear seat to floor
14" to 20"
35.6 to 50.8 cm



Back height
9" to 21"
22.9 to 53.3 cm



Front frame angle
70°, 75°, 80°, 85°, 90°



Back angle
80° to 101°



Wheel camber
0°, 2°, 4°, 6°, 8°



Center of gravity
0 to 6"
0 to 15.2 cm



Weight limit
265 lb (120 kg)



Overall width
Min 18 3/4" (47.6 cm)
Max 31 1/2" (80 cm)



Armrest height
8" to 14"
20.3 to 35.6 cm

APEX Carbon



Looking for a carbon fiber option?
Check out our APEX Carbon at:
www.motioncomposites.com

COLOR CHART Colors are on protectors. Frame is black.



Ferrari Red

Sunkissed Orange

Sky Blue

Acid Green

Fuchsia



Black

White



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