



## Pediatric Tilt-In-Space Wheelchair

**SPIRAL**

Moving in every direction with Spiral!



## An Evolution in Tilt-In-Space Wheelchair Engineering

### SIX WHEELS CONFIGURATION

The middle position of the propulsion wheel promotes the autonomy of the patient. This wheel position reduces the turning circle and makes the Spiral more stable and easier to propel while in a tilted position.

### INNOVATIVE TILT

The central pivot allows a 45° tilt around the propulsion wheels. This concept (patent pending) makes it possible to keep the relative position of the armrests consistent with the wheels. The result: an excellent propulsion position regardless of the tilt angle!

### REAR CASTERS TILT MECHANISM

By a simple press of the foot, the rear casters tilt to overcome obstacles and facilitate access of paratransit services.

### BRAKES ALWAYS WITHIN REACH

The design of the Spiral allows the brakes to follow the tilting angle of the chair. This feature improves the child's safety by ensuring constant access to the brakes, no matter how inclined he or she is.

### FOLDING BACKREST, ADJUSTABLE IN ANGLE AND HEIGHT

The folding aspect of the backrest is very convenient for storing the Spiral inside the car. Lightweight and very easy to adjust, the backrest is adjustable in angle of 85° to 120° (by 5° increments).

### ADAPTIVE DESIGN

The elongated, telescopic shapes in the Spiral frame are designed with precision. The slidable tubing allows a fast and accurate positioning. This two-frame base adapts specifically to the continuous growth of the child.

Standard frame: 10" to 13"

Large frame: 13" to 16"



### REMOVABLE ARMRESTS

Height adjustable by ½" increments.

### TIE-DOWN SYSTEM

Includes four tie-down points integrated to the frame.

### CERTIFIED TRANSIT SAFETY

The Spiral has gone through a dynamic crash test to ensure the safety and security of your child when seated in their wheelchair aboard a motor vehicle. The crash testing was conducted in accordance with RESNA WC 19 and ISO 7176-19 industry standards.

### TWO AVAILABLE FOOTRESTS MODELS

#### Removable and retractable footrests

Height adjustable by ½" increments.

Footrests of 60°, 70° and 90°.

Angle and depth adjustable footplates.

#### Fixed footrests

Adduction clearance.

Angle and depth adjustable one piece footplate.



Folding backrest

SILVER

CHARCOAL

MATTE BLACK

GLOSSY BLACK

STARRY PURPLE

PLUM

CANDY RED

STARRY GREEN

CANDY GREEN

CANDY BLUE

SUNSET ORANGE

YELLOW

WHITE

## Specifications\*\*

Funding information	ADP code : WM0001600
Wheelchair Type	Pediatric Tilt-In-Space Wheelchair
Composition	Aluminium
Back Height	16" to 25"
Seat Depth	10" to 16"*
Seat Width	10" to 16"
Seat-to-Floor Height	14" to 19"
Overall Length	40"
Overall Width	Seat width + 8 ¾"
Casters Diameter	5", 6"
Wheels Diameter	20", 22"
Transport Weight	36 lb (16.3 kg)
Device Weight	54 lb (24.5 kg)
Maximum Charge	150 lb (68 kg)
Backrest Angle	85° to 120°
Tilt	0° to 45°
Armrests	"T" Type: 6 ½" to 14"
Footrests	60° : 6" to 14"
	70° : 6" to 14"
	90° : 6" to 14"
Elevating Legrests	14" to 19"
One Piece Footplate	
Angle Adjustable Stroller Bar	
Rear Casters Tilt Mechanism	
Dynamic Casters Forks	
Folding Backrest	
Quick Release Axles	
Transit Anchors Integrated	

\* Depths of 10" and 11" are available with moved forward backrest anchors.

\*\* Based on a standard 14" X 14" Spiral.

### Static Stability Parameters

(ISO 7176-1)

Section	Description	68 kg	25 kg
8,2	Forward stability angle, unlocked wheels	17.2°	20.9°
9,2	Rearward stability angle, unlocked wheels	12.9°	22.3°
9,3	Rear stability angle, locked wheels	10.8°	19.5°
10,2	Lateral stability angle	16.2°	19.2°

### Downhill Brake Efficiency Parameters

(ISO 7176-3)

Section	Description	68 kg	25 kg
6	Brake lever activation force	60N	60N
7,2	Downhill (MAX)	10.5°	12.4°
7,2	Uphill (MAX)	15.0°	17°

### Seat-to-Floor Height According to the Wheels Dimensions

Wheels	Front Casters	Rear Casters	Seat-to-Floor Height
20"	6"	6"	14" - 18"
	D5"		
22"	6"	6"	15" - 19"
	D6"		

#### Canada

370, 10th South Avenue  
Sherbrooke (Quebec) J1G 2R7  
Canada

1 800 668-2252  
info@physipro.com  
www.physipro.com



#### Europe

Village des Entrepreneurs  
461, Rue Saint-Léonard  
49000 Angers  
France

02 41 69 38 01  
contact@physipro.fr