

THE SMART WALKER™ ORTHOSIS

The **SMART Walker™** Orthosis is the latest development in gait training orthotic technology. Designed and manufactured in Canada by Advanced Orthotic Designs, the **SMART Walker** encourages a child with cerebral palsy, or similar physical condition, to learn to stand and ambulate with hands-free support. The device is comprised of two main components: a customized brace that fits around the child's trunk and lower limbs, and a sturdy wheeled frame available in different sizes.

To make use of the device, the child is placed in the brace component which is then secured in the wheeled frame to a support attachment. The support mechanism provides the child with a regulated amount of lift support, which allows graduated weight-bearing, encouraging gains in physical strength and endurance.

Additional components, combined with special features of the device, allow customization of the ambulation parameters for each child. Some of the special features include: snap release buckles for speedy application and removal, tool-free shoe attachment/removal, brakes for additional safety and function, adjustable steering control, portability and adjustability for growth. The body brace component, which utilizes Pedro footwear, provides exceptional control/support of the lower limbs and feet, preventing scissoring and excessive plantar flexion.

The **SMART Walker** can provide the suitable child with the opportunity to learn to walk and explore their environment like they never could before!



Benefits:

Allows hands-free mobility and grows with child.

Provides guidance and control of lower limbs (prevents scissoring, optimizes hip and knee extension).

Provides opportunity to learn to walk.

Enhances child's independence.

Lets child explore their environment.

Encourages gains in physical strength and endurance through graduated weight-bearing.

Helps to facilitate bone growth.

Provides exceptional support and positioning for standing and walking.

Enhances self-esteem and social interaction.

Improves bowel and bladder functions.

Value engineered componetry.

Clinically and scientifically proven through related studies.



**ADVANCED
ORTHOTIC
DESIGNS INC.**

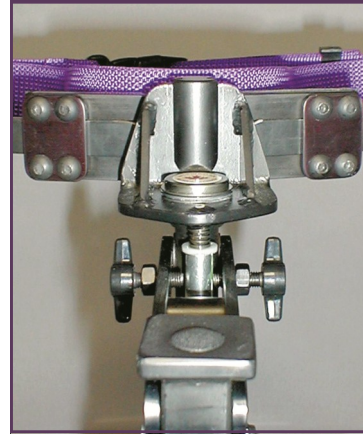
3995 Sladeview Crescent, Unit 4
Mississauga, ON L5L 5Y1
Canada

Tel: 905-607-4022 Fax: 905-607-9099
Email: canwalk@aodmobility.com
Web: www.aodmobility.com

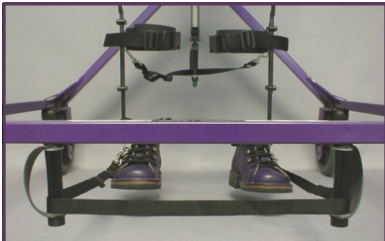
FEATURES OF THE SMART WALKER™ ORTHOSIS



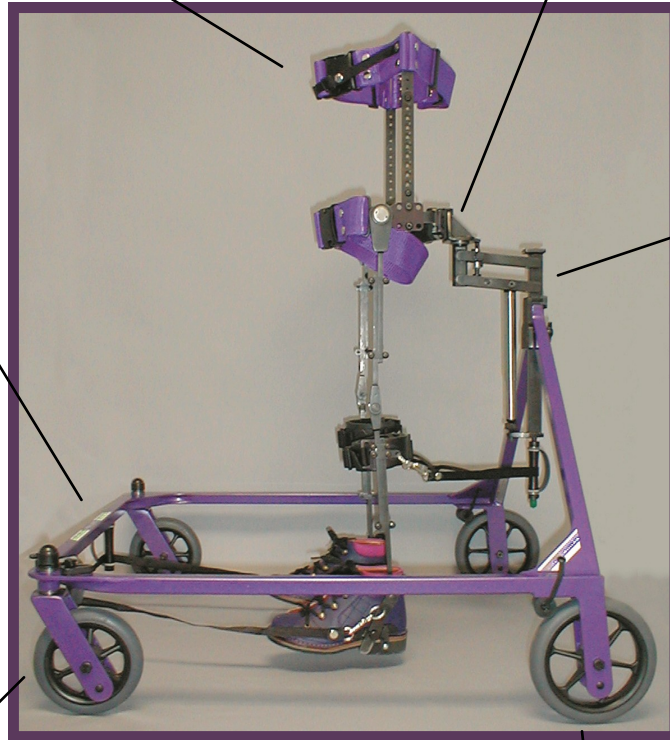
Simplified buckle fastening system and tool-free shoe attachment for speedy application and removal.



Adjustable pelvic rotation mechanism to allow more natural gait and improve front wheel tracking.



Dual posts for strap routing to reduce scissoring forces.
Low maintenance roller system.



Modular components overlap to allow simplified growth adjustments and increased strength.
Adjustable weight-bearing support mechanism removes for portability.



Enhanced steering mechanism allows 0 to 360 degree control and unilateral adjustments.
Adjustable directional control for children of differing functional levels.



Rear roller brakes for additional safety and function.
Durable bearing wheels.