

SWASH<sup>®</sup> Steady  
SWASH<sup>®</sup> GO

Art. No. 28852 & 28853



# SWASH®

## Sitting, walking and standing hip orthosis

1. **Sitting assistance**  
Improve sitting posture - Open up the thorax
2. **Walking assistance**  
Proprioceptive response helps enhance position sense in space
3. **Standing assistance**  
Eliminate Scissoring - Reduce stress on the hips

Two models to meet specific needs of your patients. Sizes available to fit infants to small adults.

### SWASH® Steady

When maximum trunk control is required, i.e., candidates who lack muscle strength or upper body control to sit upright. When patient is primarily non-ambulatory (GMFCS IV-V). When the greater pelvic coverage area triggers more desirable neurosensory motor response.



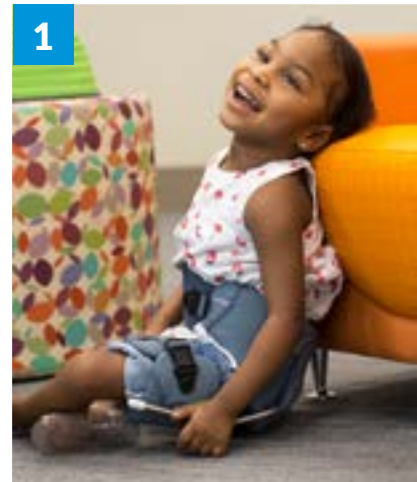
SWASH® Steady

### SWASH® GO

When primary goal is to control scissoring gait. When patient has limited space between the iliac crest and the rib cage. Patient is ambulatory with or without assistive devices and does not require the additional torso support offered with SWASH Steady.



SWASH® Go



# Optimize and preserve hip alignment and function

## Hip alignment benefits

The most visible benefits of the SWASH<sup>®</sup> are readily apparent by improvements in sitting, standing, and if ambulatory, walking posture and stability. However, perhaps the most valuable benefit is guidance for proper hip alignment.

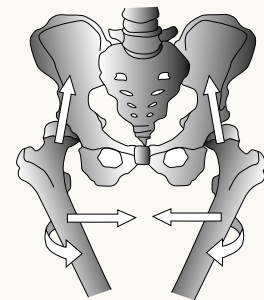
## Functional benefits to SWASH<sup>®</sup>

- Dynamic Function – allows only biomechanically appropriate motion.
- Transfers adductor tone proximally to achieve more positive postural positioning.
- Proper alignment encourages tri-planar function for proper closed chain muscle function.
- Facilitates the strengthening of muscles to reduce compensations that risk proximal and distal joints.
- Encourages tri-planar function.
- Controls amount of adduction for improved sitting, standing, and if ambulatory, walking functions.
- Encourages proper closed chain muscle function.

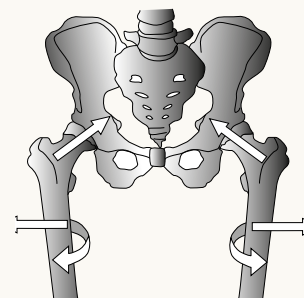
## How SWASH<sup>®</sup> Works

The pathways of motion of the SWASH thigh cuffs mimic the “normal” pathways of motion of the femurs. This is designed into the orthosis through combinations of the angle of the pelvic band in the sagittal plane, and the angle of the hip joint assemblies in the transverse plane.

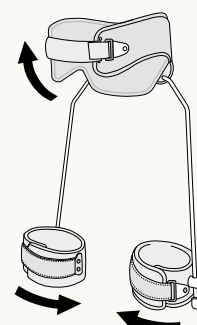
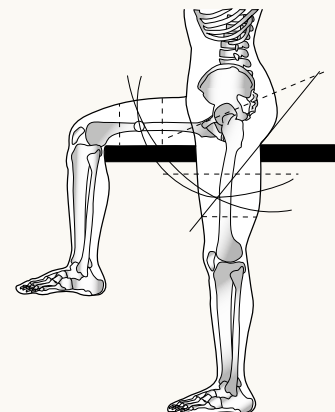
This exerts an external rotary influence on the lower limbs, influencing the knees toward extension and the trunk becomes more erect. As SWASH reaches its limit for adduction, it transfers adductor force proximally to assist posterior rotation of the pelvis to help achieve a more erect posture.



Without SWASH<sup>®</sup>



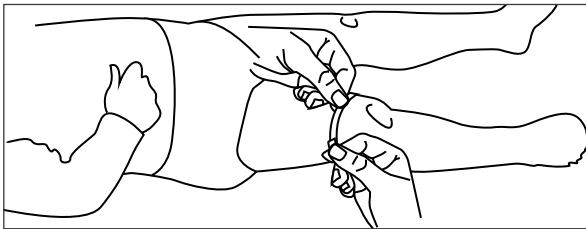
With SWASH<sup>®</sup>



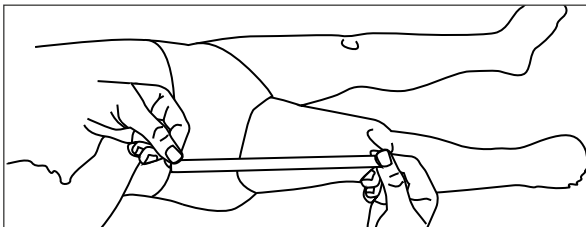
# Measurements



Pelvic Section Circumference



Thigh Circumference



Upright Length

## Pelvic section circumference Measure

SWASH® STEADY - At level of the natural waist for maximum trunk stability. SWASH® GO - At the level of the ASIS. Ideal is to fit the orthosis at mid-pelvic girdle to obtain good pelvic stability.

## Thigh circumference

Measure at distal thigh, just proximal to the condyles. Ideal is to fit the cuffs as distal as possible without creating pressure or interference in the popliteal area. However, pressure on the thorax, excessive spinal flexion, or discomfort due to hamstring tightness, may be relieved by moving the cuffs up 1 - 3 inches.

## Upright length

Measure waist to mid-patella. At final fitting, should be shortened to level of distal thigh cuff padding.

115 = narrow sitting base

123 = wide sitting base

Upright diameter

All uprights are 8mm diameter except SWASH STEADY size 1 which are 6mm diameter.



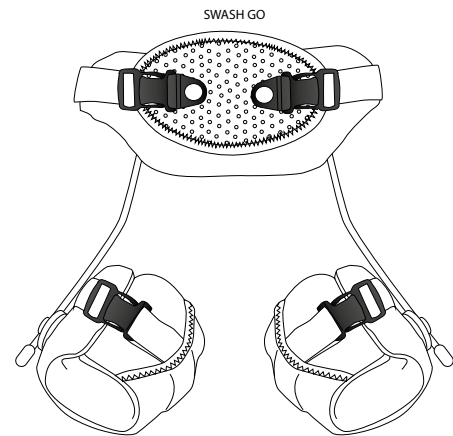


# Size Selection

## Sizing Guide

Use the table below to select the largest size that will fit the child, based on the measurements, to allow optimum room for growth. Keep the following in mind:

- The plastic on the cuffs and the pelvic band may be trimmed if necessary.
- The waist band on SWASH® GO may be shaped to fit slightly larger or smaller waist circumferences.



## Interchangeability of Components

- The sizes for all Pelvic Sections, Uprights, and Cuffs are interchangeable EXCEPT SWASH® STEADY Size 1.
- The uprights almost always require trimming (after final fitting approval) so that the distal tips are level with the bottom of the cuff padding.

Scan or click for more information!



## SWASH® Sizing Chart

Dimensions in mm and inches.	Pelvic section Circumference		Thigh cuffs Circumference		Uprights						
					Diameter	Overall Length		Proximal Width		Distal Length	
Size 1	400 - 465	15 ¼ - 18 ¼	210 - 250	8 ¼ - 9 ¾	STEADY = 6 GO = 8	310	12 ¼	63	2 ½	175	7
Size 2	460 - 550	18 - 21 ¼	250 - 290	9 ¾ - 11 ½	8	375	14 ¾	80	3 ¼	215	8 ½
Size 3	540 - 630	21 ¼ - 24 ¾	290 - 330	11 ½ - 13	8	440	17 ¼	80	3 ¾	280	11
Size 4	620 - 720	24 ½ - 28 ¼	330 - 380	13 - 15	8	480	19	80	3 ¾	320	12 ½
Size 5	710 - 810	28 - 32	380 - 440	15 - 17 ¼	8	540	21 ¼	90	3 ½	370	14 ½
Size 6	800 - 900	31 ½ - 35 ½	440 - 500	17 ¼ - 19 ½	8	600	23 ½	100	4	420	16 ½

## **Support for Better Life**

Everyone should be able to live their life to the fullest, regardless of their mobility challenges. With innovative solutions developed in close collaboration with healthcare professionals and patients, we strive to provide Support for Better Life.

# allard

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