LECKEY®

Squiggles
Stander

Squiggles
Why Stand?

- Enables kids to interact eye-to-eye with peers
- Improves wellbeing, alertness and sleep patterns
- Enhances circulation and blood pressure
- Aids digestion, bowel function and bladder drainage
- Improves respiration and voice control
- Facilitates formation of the hip joint in early development
- Stretches muscles, preventing the onset of contractures
- Increases bone density and reduces risk of fractures
- Improves skin integrity by relieving pressure encountered during sitting
Standing increases bone density and reduces the risk of fractures.
Normal bone development needs a combination of good nutrition, weight bearing, e.g. through standing or walking, and the use of muscles. Research shows that standing improves the bone density of the pelvis and leg bones of non-ambulatory children, such as those with CP, Muscular Dystrophy, Spina Bifida or spinal cord injury.

Standing stretches muscles, preventing the onset of contractures.
Research shows that standing programmes, if maintained, improve the extensibility of the hamstrings, increase range of movement and reduce the extent of spasticity. Standing also provides proprioceptive input to young developing muscles and joints, builds endurance to standing and regulates resting muscle tone.

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Standing improves respiration and voice control.
When we stand, the diaphragm has more room to expand and contract, meaning that we can breathe in and out more easily, deeply and efficiently. Therefore, standing allows individuals to speak with improved volume and voice control.

Standing enhances circulation and blood pressure.
Effective circulation is closely related to breathing. Standing results in improvements in blood pressure, heart rate and circulation, and a reduction in orthostatic hypotension and oedema in the legs and feet.

Standing enables kids to interact eye-to-eye with their peers.
Eye-to-eye interaction improves confidence, self-esteem and self-image as the child can accomplish tasks in the same manner as other students or siblings. Supported standing eliminates the fear of falling and so allows the individual to direct their attention towards learning and social interaction.

Standing improves wellbeing, alertness and sleep patterns.
Studies have reported improved sleep, decreased fatigue, increased alertness and feelings of wellbeing from regular standing. While standing, the effects of retained primitive reflexes such as symmetrical tonic neck reflex (STNR) and tonic labyrinthine reflex (TLR) are more controlled and therefore, sensory organisation, comfort, energy and attention are maximised.

Standing aids digestion, bowel function and bladder drainage.
Standing is believed to help with digestion and toileting though a combination of gravity and the activation of the stomach muscles. Studies have backed this up showing improved bowel regularity and clearance and better bladder awareness and emptying.

Standing facilitates the formation of the hip joint in early development.
Children who stand at the normal developmental age of 12-16 months are considered more likely to develop the ball and socket of the hip joint, which can prevent hip subluxation or dislocation. Standing from an early age also helps a child with standing transfers in the future.

Standing improves skin integrity by relieving pressure encountered during sitting.
As standing improves respiration, it allows more oxygenated blood to reach tissues which are subject to pressure when seated, resulting in fewer bedsores and improved skin integrity.

The full article and clinical references in support of standing can be found at leckey.com
The Squiggles Stander is an extremely versatile three-in-one stander, offering prone, upright and supine standing in one product.

The product has a large growth range for kids aged 1 - 5 years and is available with a range of indoor and outdoor mobile bases.

The wide range of **adjustability** offered by the chest, hip, and knee supports and the head support in Supine provides clinicians with the tools to position a large range of children in the same product.

**Colourful**, tactile and **fun design** is ideal for young kids, with attractive age appropriate, machine washable covers, available in **four colours**.

**Lightweight** and robust stander support frame can be easily transferred from one chassis to another or disassembled for storage or transportation.
1. Adjustable pelvic positioning support
2. Adjustable chest positioning support
3. Cushioned sternum pad
4. Removable headrest compatible with a number of head supports
5. Adjustable foot plate
6. Adjustable knee supports
8. Pivot chassis
Chasis Options

The combination of the standing support and chassis options including our outdoor mobile chassis means that kids can benefit from standing therapy in any environment.

The Squiggles Pivot chassis offers a wide range of tilt incline options adjusting from vertical to almost horizontal.

This enables your child to be placed in the system at their preferred angle. It has 4 lockable swivel castors which make it very manoeuvrable around the classroom or home. This lightweight chassis can fold away in seconds for storage or transportation.

The Squiggles Easel chassis is a compact static chassis which offers angle adjustment from vertical to 70°. The Easel chassis is a static base which is extremely compact and folds away easily for storage.
## The Squiggles Standing system.

The standard product includes:
- Hip and chest support with sternum prompt;
- Chest and hip lateral supports;
- Kneecups;
- Footplate and tray attachment.

## Squiggles standing system dimensions

<table>
<thead>
<tr>
<th>Age (approx)</th>
<th>1 - 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max user weight</td>
<td>22kg / 48.4lbs</td>
</tr>
<tr>
<td>User height</td>
<td>Min 750mm / 29.5 inches, Max 1110mm / 43.5 inches</td>
</tr>
<tr>
<td>Chest support</td>
<td>Angle adjustment +/− 30º, Depth adjustment 50mm / 2 inches</td>
</tr>
<tr>
<td>Chest support height</td>
<td>Min 750mm / 29.5 inches, Max 1110mm / 43.5 inches</td>
</tr>
<tr>
<td>Chest width (distance between laterals)</td>
<td>Min 550mm / 21.5 inches, Max 820mm / 32 inches</td>
</tr>
<tr>
<td>Hip support (height from footplate to mid buttocks)</td>
<td>Min 300mm / 11.8 inches, Max 530mm / 20.8 inches</td>
</tr>
<tr>
<td>Hip width (distance between hip guides)</td>
<td>Min 160mm / 6.3 inches, Max 230mm / 9 inches</td>
</tr>
<tr>
<td>Distance between midline of knees</td>
<td>Min 140mm / 5.5 inches, Max 215mm / 8.4 inches</td>
</tr>
<tr>
<td>Footplate angle</td>
<td>Plantarflexion 10º, Dorsiflexion 10º</td>
</tr>
</tbody>
</table>

## Tray size

| Tray height - Prone (footplate to top of tray) | Min 555mm / 21.9 inches, Max 825mm / 32.5 inches |
| Tray height - Supine (footplate to top of tray) | Min 480mm / 18.5 inches, Max 825mm / 32.5 inches |
| Tray angle adjustment | Prone 30º, Supine 40º |

## Stander support frame

| Weight 7kg / 15.4lbs, Width 390mm / 15.4 inches, Length 680mm / 26.8 inches, Height 390mm / 15.4 inches |

## Pivot chassis footprint (unfolded)

| Weight 5.5kg / 12.1lbs, Width 550mm / 21.7 inches, Length 820mm / 32.3 inches, Height 515mm / 20.3 inches |

## Pivot chassis footprint (folded)

| Weight 5.5kg / 12.1lbs, Width 550mm / 21.7 inches, Length 700mm / 27.6 inches, Height 300mm / 11.8 inches |

## Easel chassis footprint (folded)

| Weight 1.5kg / 3.3lbs, Width 540mm / 21.3 inches, Length 690mm / 27.2 inches, Height 60mm / 2.4 inches |

## Pivot chassis angle range

| 90 - 160º, 90 - 70º |

## Mobile chassis weights

| Without suspension and wheels 6.1kg, With suspension and wheels 13.4kg, With fixed wheel kit and wheels 13.4kg, With fixed wheel kit, without wheels 8.4kg |

## Mobile chassis footprint

| With wheels 740mm x 740mm, Without wheels 490 x 760mm |
**Stander Shell**

Standing system: Stander support shell

**Colour Options**

Stander covers Green  
Stander covers Orange  
Stander covers Blue  
Stander covers Pink

*Colour Options*

*Covers Include:* Support Harnesses (2) and Support Cushions (2), Lateral Covers (2 Pairs), Kneepads (1 Pair), Spine Cap Cover

**Accessories**

- **Sandals - small**  
- **Sandals - medium**  
- **Tray**  
- **Grab rail**  
- **Headrest support**  
- **Pelvic support harness (Mobility)**  
- **Contoured headrest**  
  - +01 Green  
  - +02 Orange  
  - +03 Blue  
  - +04 Pink

- **Flat headrest cushion**  
  - +01 Green  
  - +02 Orange  
  - +03 Blue  
  - +04 Pink

- **Flat headrest**  
  - lateral supports  
  - +01 Green  
  - +02 Orange  
  - +03 Blue  
  - +04 Pink

- **Transparent activity tray**

- **Spine cap cover**

**Chassis Options**

- **Pivot Chassis**  
  - Gas operated  
  - Can be adjusted with child in frame

- **Easel Chassis**  
  - Manually adjusted  
  - Position cannot be altered with child in frame

- **Mobility Chassis**  
  - (Indoor) Without suspension kit  
  - For indoor use only  
  - Manually adjusted
Established in 1983, Leckey is a globally recognised pioneer in the research and development of products that help adults and children with disabilities to go, do, enjoy and participate in everyday activities throughout the day and night.

We take a highly clinical approach to product design and development. Through in-depth clinical research studies with leading universities, and extensive trials with occupational therapists, physiotherapists, users and their families, we continue to develop posturally supportive, family friendly products for all day care, at every stage of life.

Through early intervention, childhood and adulthood Leckey’s experienced team of designers, therapists and bioengineers work together to develop products that meet the clinical needs of the healthcare professionals and the social needs of the user.

To achieve this, we work with the healthcare professionals, the individuals and carers who use our products everyday. With their help, we create the dependable, durable, proven and high performance products that we are known for worldwide.