

Power to learn,
freedom to explore



PAEDIATRIC LINE



Premium speech understanding
fundamental to children's development

Power to perform, freedom to be

Safari SP is specifically designed to help children overcome the challenges of severe to profound hearing loss.

Power to hear more

From the day they are born, children with severe to profound hearing loss need access to as many sounds as possible. With consistent access to speech sounds and a wide frequency range, the auditory system is provided with more information to facilitate the connection between sound and meaning.

Power to keep up

Whether it's a playground, classroom or sports hall, children spend most of their lives in dynamic environments. With normal hearing these situations are manageable, but with a severe to profound hearing loss they can be an on-going battle.



Super power features

Children with severe to profound hearing loss need access to as many speech sounds as possible, but also the freedom to be a child. By wearing a hearing instrument that preserves the details of sound, and at the same time have a slim and ergonomic design Oticon help ensure an optimal fit during the day.

- Speech Guard compression
- 143dB SPL/82dB gain, 110 dB HL fitting range(DSL)
- Improved tamper-resistant battery door
- LED visual indicator
- IP57 classification - water and dust repellent
- Hypo-allergenic
- Slim, ergonomic design
- Binaural processing

More opportunities for power users

Via the Bluetooth enabled Streamer Pro, super power users can chat with friends, listen to music, watch movies and play computer games with far more ease than before. Combined with an FM system, the children will not miss any opportunities for learning.



Real power, natural sound

It's not just about the degree of audibility,
but also the quality of audibility

A critical aspect of hearing technology design is to match the acoustic signal to residual auditory function - a functionality which is absolutely essential, particularly for children with severe to profound hearing loss. Speech constitutes the most important auditory signal for human communication, and how a speech signal is processed by a compression scheme affects auditory processing and neural encoding in the brain. This is why the sound presented to the auditory system of a child with hearing loss should be undistorted and contain as many details of the original signal as possible.

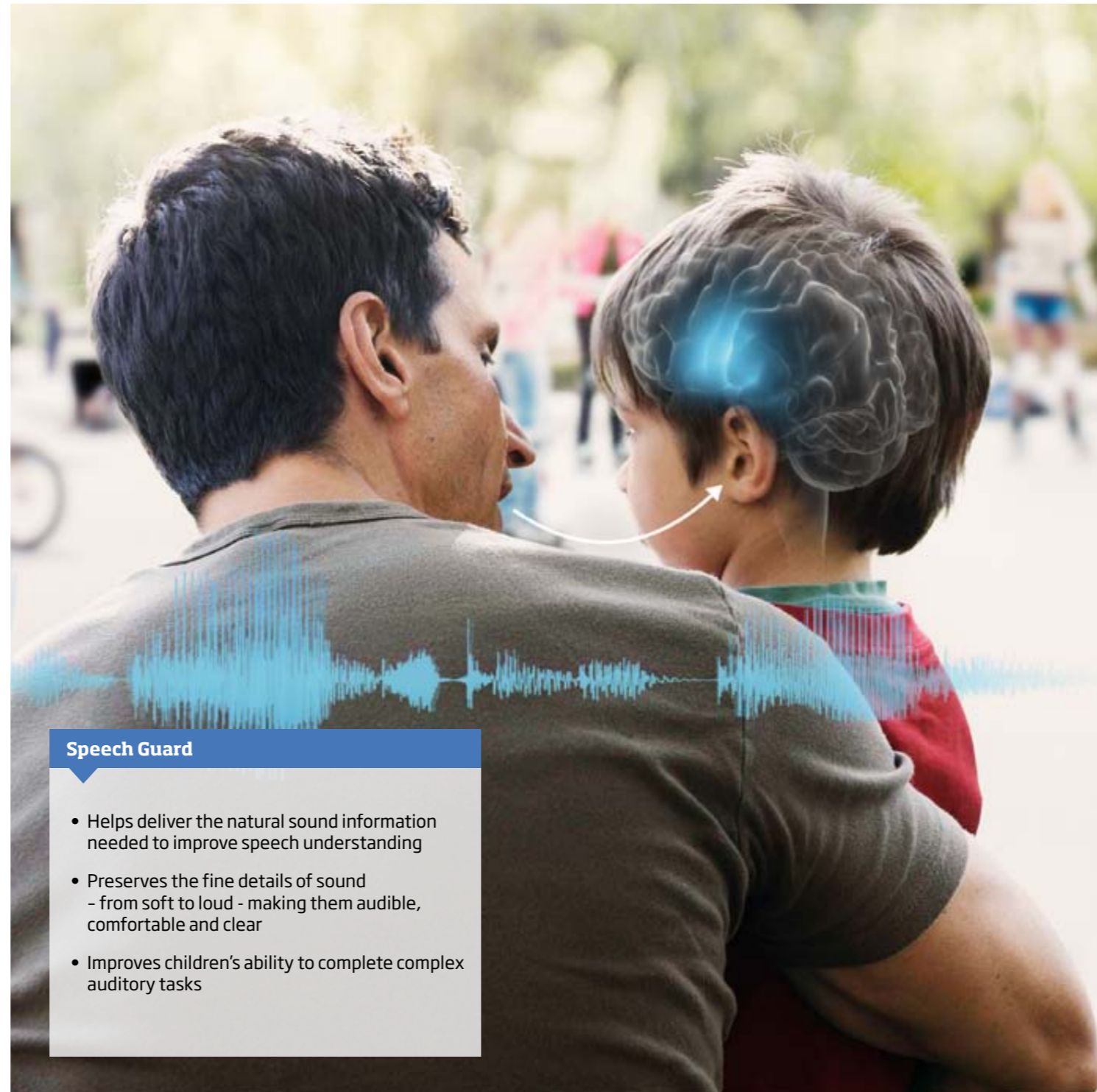
How Speech Guard works

Speech Guard is Oticon's amplitude compression system that combines two methods of amplification: non linear and linear in a single compression system that helps preserve the fine details of sound - from soft to loud - making sounds audible, comfortable and clear. Speech Guard delivers the sound information needed to improve speech understanding and increases a child's ability to complete complex auditory tasks.

Speech Guard study*

A research study was carried out by Oticon to investigate the effect of the Oticon Speech Guard amplitude compression on children with sensorineural hearing loss (SNHL). This was done by comparing the effectiveness of two different amplitude compression strategies, Speech Guard compression and traditional syllabic WDRC, in 4 different conditions: steady state and modulated noise with a primarily auditory task only, and subsequently with a secondary task.

* Manuscript in preparation



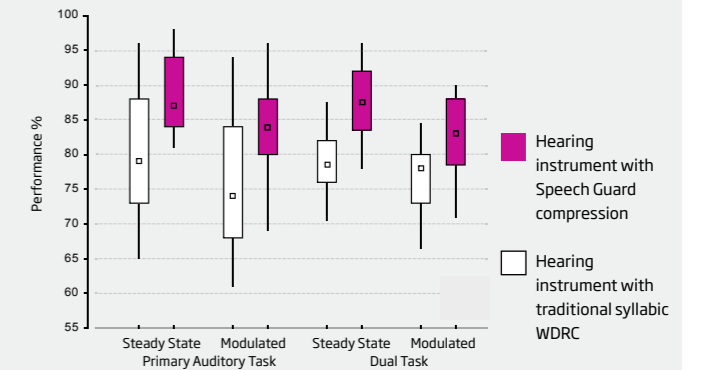
Speech Guard

- Helps deliver the natural sound information needed to improve speech understanding
- Preserves the fine details of sound - from soft to loud - making them audible, comfortable and clear
- Improves children's ability to complete complex auditory tasks

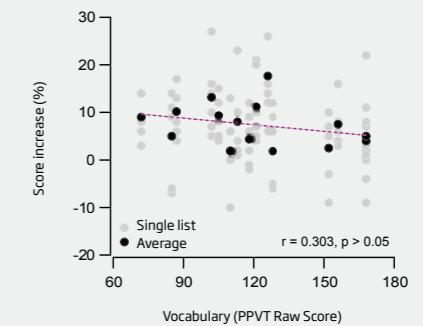
Study results*

Every child benefited from Speech Guard

The research study shows that the children had a clear and significant speech recognition in noise advantage of 6-8%. The benefit of Speech Guard was preserved when the children were cognitively loaded by performing a secondary task. The study was done on children with moderate to severe hearing loss; however, regardless of their degree of hearing loss, every child benefited from Speech Guard.



Speech Guard delivers the sound information needed to improve speech recognition.



Every child benefited (on average) from Speech Guard compression, irrespective of their vocabulary performance.

Power to last, quality to rely on

Whether they're running, climbing, riding a bike or skating, children have a natural urge to push themselves to the limit. Recognising that the nature of their hearing loss makes them very dependent on their instruments, we've made sure Safari SP provides both the reliability and ease of use they need.

- For busy fingers...
The **improved tamper-resistant battery door** helps to prevent batteries from being removed and potentially swallowed.
- For peace of mind...
The **visual LED indicator** provides clear confirmation to parents and teachers that the instrument is on and the child is receiving the signal.
- For active kids...
A full body nano-coating and internal deep coating designed to reject water and sweat in accordance with the **IP57 classification** - resulting in a water, moisture and dirt repellent instrument for active children.
- For the occasional break...
The **volume control wheel** with level indicator offers freedom to put Safari SP in stop or mute function and take a break. When turned on again it will start in exactly the same program.

- For being on the safe side...
By excluding more than **200 potentially harmful substances, including phthalates**, and testing all materials' biocompatibility according to the requirements of international standards, the risk of an allergic reaction has been minimised.
- For the comfort and appearance...
The **slim, ergonomic design** offers a good hold on smaller ears, and makes it a perfect companion throughout childhood.



With features like these, children, parents and teachers can relax in the knowledge that...

...Safari SP is made for childhood



People First

People First is our promise to empower people to communicate freely, interact naturally and participate actively

child
friendly
hearing
care

Our paediatric audiological mission is to ensure a better future for every child with hearing loss. We will deliver solutions, tools and techniques that optimise auditory and cognitive habilitation, embrace the complexities of growing up with hearing loss and empower you to adapt solutions to each child's developmental stage on their journey to adulthood.

