

# Protac SenSit® Junior

## - a sensory-stimulating and calming chair

Protac SenSit® Junior provides children with a secure and enveloping sensation for the entire body. The chair has balls in the seat, in the back and in the four unique wings. The movement of the balls stimulate the proprioceptive sense and deep touch pressure receptors in the tactile sense, and they have a calming effect on the child's sensory system and enhances the body awareness.

The design and size of the ball chair make it easy for children to sit down and get up on their own. They can adjust the sensory-stimulating wings to suit their needs by themselves. Many institutions highlight this feature of self-regulation and managing own needs as key benefits of the chair.

Protac SenSit® Junior is developed for sensory rooms, childcare institutions, kindergartens, and schools - both regular and for special needs schools. The chair is easy to clean and comes in aqua blue, dark grey, navy blue and khaki green

The deep and dynamic touch pressures enhances body awareness and concentration



Protac SenSit® Junior  
for children from  
3-10 years old

**PROTAC®**  
INTEGRATING SENSES

## How do sensory-stimulating helping aids work?

Protac SenSit® Junior has balls in the seat, the back and the four wings. They give dynamic point touch pressures on the body and stimulate both the deep touch sense and the proprioceptive sense. Each time the child moves slightly in the chair, the balls move and the brain receives new sensory input from the body.

The proprioceptive sense registers activity in muscles and joints, and stimulation of this sense has a naturally calming effect on stress and the entire nervous system. Children with difficulties in sensory processing often struggle to e.g. sit still for long periods because they lose awareness of their body. As a result, they need to send sensory information from their body to their brain.

The brain does not distinguish between active stimulation of the proprioceptive sense through movement or passive stimulation from a sensory-stimulating aid with integrated balls, such as the Protac SenSit® Junior. This is why Protac SenSit® Junior creates a sense of calm, security, and well-being for children and why the chair enhances the child's body awareness, promotes relaxation, and improves concentration and learning ability.

Concentration  
and  
piece of mind



### Children and restlessness

It is natural for children to move, but it becomes problematic and disruptive if they constantly need to be in motion.

Motor restlessness can be a symptom of various underlying issues, such as sensory processing difficulties, sleep problems, or reduced body awareness.

Motor restlessness is not caused by deliberate misbehavior, but the symptoms can often be alleviated.

For some children, it is important to consider when during the day the restlessness occurs, while for others, it is more situation-dependent. It is always essential to observe the behavior of the child individually and determine the appropriate approach accordingly.

### Ph.D.: One in five primary school students have a sensory processing disorder

Ph.D. and occupational therapist Ann Natasja Nielsen states that one in five students aged 6–12 has a sensory processing disorder that affects their academic and social skills. Additionally, it also impacts the other students in the classroom, the teacher's work environment, and the overall quality of teaching. In her Ph.D. dissertation, Ann concludes that the use of the Protac MyFit® ball vest significantly improves the self-confidence of the children and helps them achieve better attention and increased concentration.

## Case stories from children and teachers

Sensory-stimulating breaks during the day enhance focus and social engagement - and piece of mind.

The boy seeks out the chair on his own when needed, and the chair has significantly lowered his arousal level. In the afternoon, he appears much calmer compared to his previous behavior. The boy uses the chair multiple times a day, both during lessons and when using his iPad.

He can easily get in and out of the chair by himself. He is also able to reach the wings and pull them over himself.

7-year-old boy with infantile autism

Protac SenSit® Junior gives the girl a comforting body demarcation, that helps her to feel calm and safe.

Girl with CP

The boy can reach the wings on his own and he can find the right position in the chair himself. The size of the wings is a perfect fit for him, and he often uses all four wings. He benefits a lot from the calming effect of the chair, which helps him stay more focused in class during the afternoon. He frequently uses the chair for his after lunch nap.

7-year-old boy with Apert syndrome

If there is a lot of noise in the classroom, he becomes overstimulated and highly affected. However, when sitting in the chair, he can remain in the room, stay engaged in the lesson, and better tolerate what is happening around him.

Boy with infantile autism

The boy is easily overstimulated by sounds and lights, and often becomes outwardly reactive if something unpredictable happens. He uses the chair after lunch and has fallen asleep in it several times. He actively requests to sit in the chair.

It is a great advantage that he can regulate the use of the wings according to his own needs.

Boy with developmental disorder

The girl has a vivid self-stimulatory behavior, such as jumping and constantly being physically active, and suffer from significant restlessness. The chair helps her to calm down, and she instinctively pulls all the wings over herself. Her whole body relaxes, and his arousal level decreases. She actively seeks out the chair for the comforting enclosure.

Girl with infantile autism

The chair gives the small school children the possibility to self-regulate and they quickly learn the advantage of it. The children can adjust themselves how much they want to be wrapped in the chair, and they can rise from the chair themselves.

Staff experiences from a special needs school



# What is sensory integration?

Sensory integration describes the process in the brain when it sorts and filters sensory input. A well-functioning sensory system constantly sorts the sensory input we receive, ensuring that we react appropriately, focus on what is important, and filter out less relevant stimuli.

If you have a sensory processing disorder, the brain cannot always process sensory input effectively. This stresses the brain and makes it difficult for the child to react properly. For some, this manifests as difficulties in falling asleep, while others live with mental and physical restlessness, concentration problems, stress, or anxiety.

Several research projects show that focus on sensory integration helps the brain to process, filter, and sort sensory input better, and in this way lower the stress level and improve general well-being.

Protac develops and produces sensory-stimulating aids that help children to a more calm and manageable everyday life.

Protac MyFit® is a ball vest for daytime activities. It provides the child with calming sensory stimulation during activities, as well as transitions such as breaks, transportation, and meals, which can be challenging for some children.

A Danish Ph.D. dissertation documents that Protac MyFit® helps children improve concentration, reduce symptoms of hyperactivity, and boost self-esteem.

## Protac Ball Cushion®

The ball cushion is fastened to the chair in the classroom, daycare, or at the dining table at home, and is discreet to use. It alleviates motor restlessness and makes it easier for the child to sit still.

## Protac GroundMe®

A foot and seat cushion that helps ground and calm restless legs and feet. The cushion can be used both under the school table and for seating on the floor.

## Protac Ball Blanket®

A good day starts with a good night's sleep, and it is always relevant to look at the child's sleep patterns if the child is not thriving. Protac Ball Blanket® comes in several different models to suit the child's individual challenges and sensory needs.

It has been scientifically documented that Protac Ball Blanket® helps normalize sleep for children with ADHD.

Sensory-stimulating helping aids from Protac naturally alleviate physical and mental restlessness, providing well-being for the children.

