

Elements Body

Dynamic compression for optimal functionality



Elements Body:

Sensory and proprioceptive feedback for the whole body!

Elements Body is a meticulously crafted range of made-to-measure (MTM) Class I dynamic textile orthoses, designed to meet the stringent requirements of MDR 2017/745. Our garments are made from carefully selected fabrics that are produced and certified according to OEKO-TEX® STANDARD 100, Product Class II.

Our textile orthoses leverage the therapeutic benefits of dynamic compression, delivering sensory and proprioceptive feedback that is crucial for the ideal therapeutic outcome. The base material of Elements Body applies targeted compression to the body, simultaneously increasing sensory and proprioceptive feedback and accommodating natural movement. Biomechanical reinforcements are strategically positioned to further influence normal movement, soft tissue dynamics, and joint alignment, fostering stability.



Constant and consistent feedback

Provides sustained sensory and proprioceptive input.

Motor learning and neural integration

Augments the potential for motor learning and neural integration.

External stabilisation, alignment and resistance

- Improves postural control and proximal stability.
- Enhances quality of movement and tone.
- Promotes fluidity of movement and tone management.

Reduction of involuntary movements

Observed to mitigate involuntary movements effectively.

Diaphragmatic support

Provides crucial diaphragmatic support, leading to improved breathing and vocalisation.

Enhanced carer handling and transferring

Facilitates improved handling and transferring by caregivers.

Incorporate Elements Body into your therapeutic practice and elevate the functional potential of your patients. Our commitment to precision, compliance, and therapeutic efficacy sets Elements Body apart as the preferred choice for orthotists and therapists seeking superior outcomes.

Targeted therapeutic solutions for diverse neurological conditions

Discover the Versatility of Elements Body Intervention:

Elements Body presents a versatile intervention showing effectiveness in managing abnormal tone across a spectrum of neurological conditions. It stands as a comprehensive solution for orthotists and therapists seeking effective solutions tailored to the nuanced requirements of diverse neurological conditions.

Our specialised garments have demonstrated positive outcomes in the following conditions:

Cerebral Palsy

Tailored support for individuals with cerebral palsy.

Acquired Brain Injury

Addressing tone management needs post-acquired brain injury.

Acquired Spinal Cord Injury

Providing targeted intervention for postural management after spinal cord injury.

Cerebellar Ataxia

Tailored support to manage tone challenges associated with cerebellar ataxia.

Athetosis

Effective intervention for individuals experiencing involuntary movements.

Stroke

Tailored to address tone issues arising post stroke.

Multiple Sclerosis

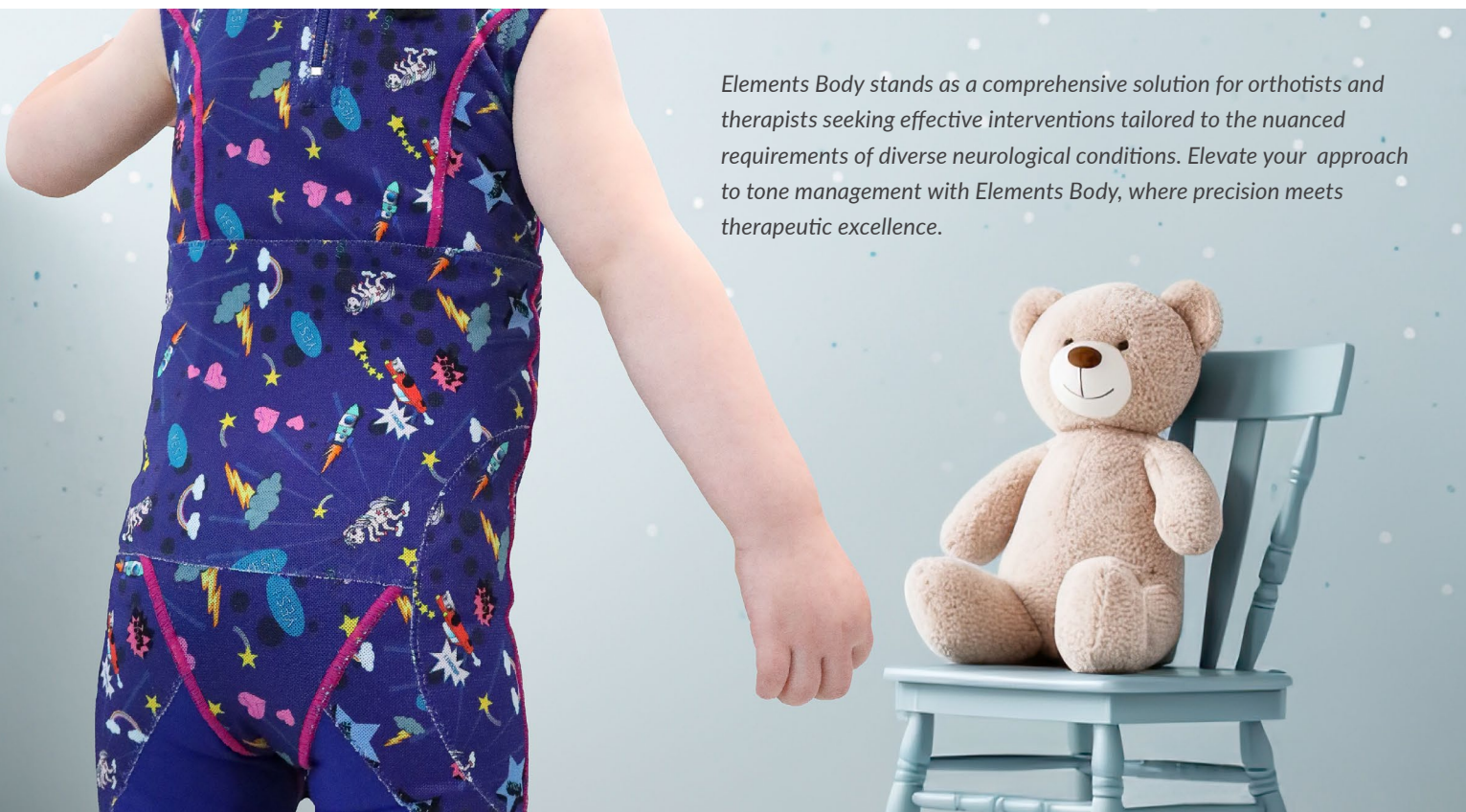
Offering therapeutic solutions for sensory and proprioceptive feedback, stability, and postural management.

Persistent Hypotonia

Specially designed to provide stability and alignment for individuals with persistent hypotonia.

Ehlers-Danlos syndrome (EDS) and hypermobility

Tailored support for managing instability and mal-alignment challenges associated with EDS.



Elements Body stands as a comprehensive solution for orthotists and therapists seeking effective interventions tailored to the nuanced requirements of diverse neurological conditions. Elevate your approach to tone management with Elements Body, where precision meets therapeutic excellence.



Scientific validation for therapeutic efficacy

Empirical Support for Elements Body:

A body of evidence [1-9], comprising both studies and clinical observations, supports the efficacy of Elements Body in influencing abnormal tone and enhancing motor control. The key findings underscore the pivotal role of suitable sensory feedback in facilitating improvements in motor control. Functional potential, crucially, becomes accessible when Elements Body delivers optimal musculoskeletal alignment, postural control, and proximal stability.

Noteworthy Points:

- 1** **Influence on abnormal tone**
Studies and clinical observations consistently demonstrate the capacity of Elements Body to positively influence abnormal tone.
- 2** **Enhanced motor control**
The therapeutic intervention of Elements Body has been linked to notable improvements in motor control.
- 3** **Critical factors**
Adequate musculoskeletal alignment, postural control, and proximal stability emerge as pivotal factors in unlocking functional potential.
- 4** **Focused studies on Cerebral Palsy**
While addressing a spectrum of conditions, a predominant focus has been on children diagnosed with Cerebral Palsy in the conducted studies.

The convergence of scientific findings unequivocally supports the role of Elements Body as a clinically validated intervention. Elevate your practice with the confidence that Elements Body, ensures optimal therapeutic outcomes for your patients.

Trial garments for informed assessments



Trial Sleeve

The Trial Sleeve is designed for use during assessment for Elements Body MTM upper-limb garments. It enables the clinician to evaluate the user's response to a dynamic textile garment before ordering a made-to-measure solution. The Trial Sleeve should be used for a limited assessment period of 2–4 weeks to help evaluate effectiveness and tolerance prior to provision of an Elements Body MTM garment.



Elements Body Trial Lumbar Wrap

Clinical Assessment Aid

The Trial Lumbar Wrap is an evaluation tool to be used in the assessment process for Elements Body. It enables the clinician to evaluate the patient's response to the application of a dynamic textile garment in preparation for a made-to-measure garment. The Trial Lumbar Wrap is intended for short-term use for a maximum of two weeks.



Easy On

Facilitating Elements Body Sleeve application

Easy On is an aid for donning Elements Body or HyMo orthoses. Worn on the limb during application, it reduces friction to make the orthosis easier to put on. Remove Easy On once the orthosis is correctly positioned.



Item overview Elements Body

Item No.	Model
393000000	Vest without sleeves
393010011	Vest with short sleeves
393010012	Vest with $\frac{3}{4}$ sleeves
393010013	Vest with long sleeves
393050000	Body without sleeves
393060011	Body with short sleeves
393060012	Body with $\frac{3}{4}$ sleeves
393060013	Body with long sleeves
393100011	Suit without sleeves, short legs
393100012	Suit without sleeves, $\frac{3}{4}$ legs
393100013	Suit without sleeves, long legs
393110011	Suit with short sleeves, short legs
393110012	Suit with short sleeves, $\frac{3}{4}$ legs
393110013	Suit with short sleeves, long legs
393120008	Suit with $\frac{3}{4}$ sleeves, short legs
393120009	Suit with $\frac{3}{4}$ sleeves, $\frac{3}{4}$ legs
393120010	Suit with $\frac{3}{4}$ sleeves, long legs
393120011	Suit with long sleeves, short legs
393120012	Suit with long sleeves, $\frac{3}{4}$ legs
393120013	Suit with long sleeves, long legs
393200011	Trousers with short legs
393200012	Trousers with $\frac{3}{4}$ legs
393200013	Trousers with long legs
393250000	Sock
393300000	Short glove without fingers
393310000	Short glove with fingers
393350000	Long glove without fingers
393360000	Long glove with fingers
393400000	Sleeve

Item overview Trial Garments

Lumbar Wrap

Item No.	Colour	Type	Circumference (cm)
393460009	Black	XX-Small	50-60 cm
393460010	Black	X-Small	60-75 cm
393460011	Black	Small	75-90 cm
393460012	Black	Medium	90-105 cm
393460013	Black	Large	105-125 cm

Trial Sleeve

Item No.	Size	L/R	Wrist cm	Elbow cm	Biceps cm
393440008	XXX-Small	Bilateral	11-12	16-18	16-18
393440009	XX-Small	Bilateral	12-13	18-20	18-20
393440010	X-Small	Bilateral	13-14	20-22	20-22.5
393440011	Small	Bilateral	14-15	21-23	22.5-25
393440012	Medium	Bilateral	14-16	22-25	24-27
393440013	Large	Bilateral	16-18	25-28	27-30
393440014	X-Large	Bilateral	18-20	28-31	30-33
393440015	XX-Large	Bilateral	20-22	31-34	33-37

Easy On

Item No.	Model	Size
393570011	Easy On donning aid	Small
393570013	Easy On donning aid	Large

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References

1.
Elliott C, Reid S, Hamer P, Alderson J, Elliott B
Lycra arm splints improve movement fluency in children with cerebral palsy
Gait & Posture 2011 33: 214-219
2.
Coghill JE, Simkiss DE
Do lycra garments improve functional movement in children with cerebral palsy?
Archives of Disease in Childhood 2010 95: 393-395
3.
Nicholson JH, Morton RE, Attfield S, Rennie D
Assessment of upper-limb function and movement in children with cerebral palsy wearing lycra garments.
Developmental Medicine & Child Neurology 2001, 43: 384-391
4.
Virginia Knox
The Use of Lycra garments in Children with cerebral palsy: a Report of Descriptive Clinical Trial.
British Journal of Occupational Therapy February 2003 66(2)
5.
Blair E, Ballantyne J, Horsman S, Chauvel P.
A study of a dynamic proximal stability splint in the management of children with cerebral palsy.
Dev Med Child Neurol 1995; 37(6): 544-554
6.
McNair P, Heine PJ
Trunk proprioception: enhancement through lumbar bracing
Arch Phys Med Rehabil. 1999 Jan;80(1):96-9
7.
Hilton, N., Allen, C.
The development and use of SPIO Lycra compression bracing in children with neuromotor deficits
Paediatric Rehabil. 1:109-116 (1997)
8.
D J Rennie, S F Attfield, R E Morton, F J Polak, J Nicholson
An evaluation of lycra garments in the lower limb using 3-D gait analysis and functional assessment (PEDI)
Gait and Posture (2000) , 12:1-6
9.
J Edmundson, K Fisher, C Hanson
How effective are lycra suits in the management of children with cerebral palsy?
Association of Paediatric Chartered Physiotherapists Journal (1999); March 49-57



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.

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