

Elements Body and HyMo

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) medical device class 1 dynamic textile orthoses, designed to meet the stringent requirements of MDR 2017/745. Our garments feature carefully selected fabrics, produced, and certified in accordance with 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.

Scientific validation for therapeutic efficacy

Empirical Support for Elements Body:

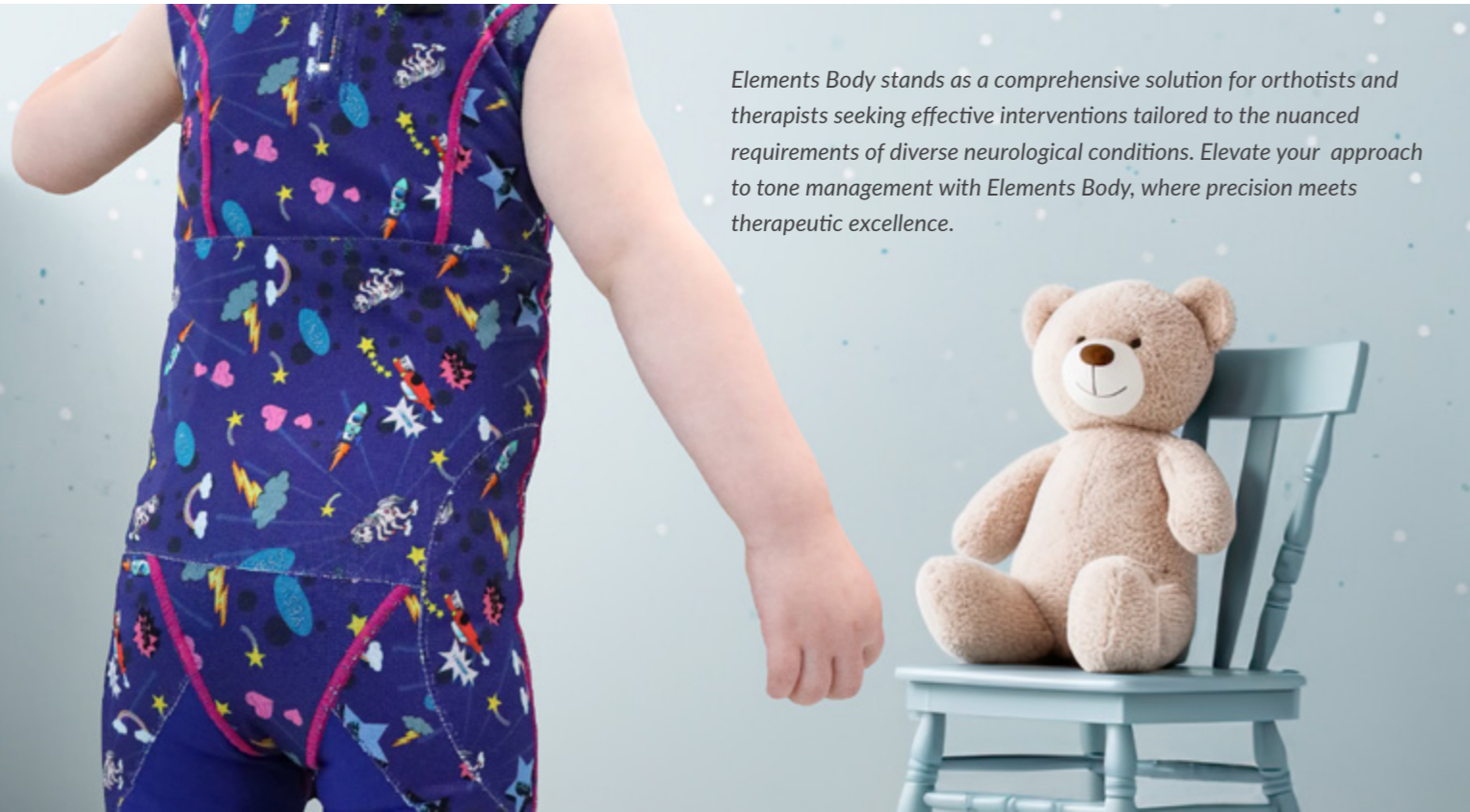
A body of evidence comprising both studies [1-9], and clinical observations, supports the efficacy of compression garments in influencing abnormal tone and enhancing motor control. The key findings underscore the pivotal role of suitable sensory feedback in facilitating improvements in motor control. 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 compression garments 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 compression garments as a clinically validated intervention. Elevate your practice with the confidence that Elements Body, ensures optimal therapeutic outcomes for your patients.

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.





Education and training overview

Our clinical specialists offer comprehensive Level 1 and Level 2 training sessions tailored to equip prescribers with the necessary knowledge and skills for effective utilisation of the Elements Body dynamic textile orthoses.

Level 1 training

This foundational training imparts essential background information and fosters a profound understanding of the clinical applications associated with Elements Body.

Level 2 training

Delving deeper, Level 2 provides in-depth instruction on the measurement system for each style option. It covers the correct fitting procedures for each style option, emphasising a snug fit. Participants gain insights into the precise placement of fastenings, the selection of reinforcement panels, recommended wearing regimes, and guidelines for proper wash and care.

Training prerequisite

Prior to placing an order for Elements Body, prescribers are mandated to undergo training facilitated by Allard UK. This ensures that those prescribing the garments possess the requisite proficiency to make informed decisions.

Comprehensive style options:

The training encompasses all style options, inclusive of socks, each identified by specific codes. This holistic approach ensures that prescribers are adept at recommending the most suitable garment configurations for individualised therapeutic needs.

Elevate your expertise through our structured training modules, empowering you to confidently prescribe and optimise the benefits of Elements Body for your clients.



Item overview Elements Body

Item no.	Model
393000000	Vest without sleeves
393010011	Vest with short sleeves
393010013	Vest with long sleeves
393050000	Body without sleeves
393060011	Body with short sleeves
393060013	Body with long sleeves
393100011	Suit without sleeves, short legs
393100012	Suit without sleeves, ¾ legs
393100013	Suit without sleeves, long legs
393110011	Suit with sleeves, short legs
393110012	Suit with sleeves, ¾ legs
393110013	Suit with short sleeves, long legs
393120011	Suit with long sleeves, short legs
393120012	Suit with long sleeves, ¾ legs
393120013	Suit with long sleeves, long legs
393200011	Trousers with short legs
393200012	Trousers with ¾ 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

Click or Scan the QR-code to visit our website!



HyMo: Precision in textile orthotics

HyMo stands as a meticulously crafted, Made-to-Measure (MTM) textile orthosis designed to address the specific needs of individuals diagnosed with hypermobility conditions, such as Ehlers Danlos Syndrome. Our clinical focus is on delivering targeted stabilisation and support to the soft tissue and joints, recognising hypermobility as the primary diagnosis.

Prescribed by therapists and orthotists, HyMo exemplifies the intersection of clinical precision and therapeutic efficacy. Elevate your approach to hypermobility management with HyMo, where each garment is a testament to our commitment to professional excellence in textile orthotics.



Tailored precision

HyMo garments are bespoke creations, individually crafted to seamlessly conform to the body, ensuring an optimal fit.

Strategic reinforcements

A range of specific reinforcements is available, allowing for a personalised approach to improving posture, enhancing joint stability, and effectively managing pain for enhanced functional outcomes.

Clinical emphasis

HyMo places a clinical emphasis on addressing the unique challenges associated with hypermobility, providing tailored solutions that extend beyond mere support to actively contribute to improved function.

Holistic approach

The design philosophy behind HyMo extends beyond mere garment creation; it encompasses a holistic strategy to enhance overall musculoskeletal well-being.

Precision for hypermobility management

HyMo, a meticulously crafted textile orthosis, is purposefully designed for patients grappling with hypermobility of joints and soft tissue, exemplified by conditions such as Ehlers Danlos Syndrome. Tailored to meet the unique needs of individuals aged 10 and above, HyMo is available as a Made-to-Measure (MTM) orthosis, ensuring a customised fit for optimal therapeutic outcomes.

- 1** **Stabilisation and range limitation**
Engineered to stabilise and re-align the joints and soft tissue to maintain joint range of motion, HyMo acts as a precision-crafted solution to address hypermobility effectively.
- 2** **Medical device classification**
HyMo holds the classification of a Medical Device, Class I, aligning with stringent standards as per MDR 2017/745. The orthosis is produced and certified with meticulous adherence to regulatory requirements.
- 3** **Certified fabric excellence**
HyMo material boasts a substantial Lycra content, imparting superior stretch and recovery properties. This ensures excellent dynamic support without compromising movement, particularly crucial during strengthening and conditioning activities, including swimming pool training and certified according to OEKO-TEX standard 100, product class II.
- 4** **Breathability and quick drying**
The advanced composition of the HyMo fabric prioritises breathability and swift drying post-swimming and washing.

Prescribed by healthcare professionals, HyMo emerges as a pinnacle in textile orthotic solutions, delivering not only tailored support for hypermobility but also adhering to the highest standards of medical device certification and fabric excellence. Elevate your hypermobility management with HyMo, where precision meets therapeutic efficacy.



Prescribing HyMo garments: A prerequisite education

Prior to prescribing or ordering our HyMo garments, clinicians must successfully complete our prescribed education program. This comprehensive program ensures clinicians are well-equipped to tailor their prescriptions effectively. HyMo offers a range of style options, each complemented by additional reinforcements, allowing clinicians to precisely meet the unique requirements of individual patients.

Item overview HyMo

Item No.	Model	Type	Colour
39400	Body with short sleeves	Female	Black
39401	Body with short sleeves	Male	Black
39402	Body with long sleeves	Female	Black
39403	Body with long sleeves	Male	Black
39408	Body with 3/4 sleeves	Female	Black
39409	Body with 3/4 sleeves	Male	Black
39404	Trousers with short legs	Female	Black
39405	Trousers with short legs	Male	Black
39406	Trousers with long legs	Female	Black
39407	Trousers with long legs	Male	Black
39410	Trousers with 3/4 legs	Female	Black
39411	Trousers with 3/4 legs	Male	Black



Click or Scan the QR-code to visit our website!

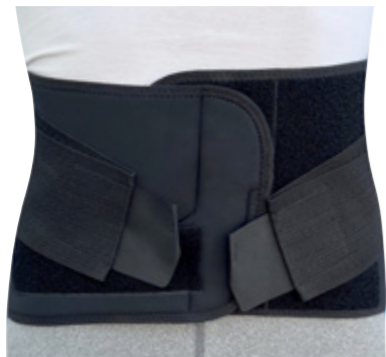


Trial garments for informed assessments



Trial Sleeve

The Trial sleeve has been designed to be used in the assessment process for Elements Body MTM upper limb garments. It enables the clinician to evaluate the users response to the application of a dynamic textile garment in preparation for a made to measure upper limb garment. The Trial sleeve is only to be used for an assessment period of 2-4 weeks to assist the clinician in identifying the clinical effectiveness and tolerance prior to the 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 intended to be used as an aid when donning an Elements Body or HyMo orthosis. Wearing the product when donning will reduce the friction and make it easier to put on the orthosis. When the Elements Body/HyMo orthosis is on, Easy on is removed.

Item overview Trial Garments

Lumbar Wrap

Item No.	Colour	Type	Pelvic Circumference
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	Bilat.	11-12	16-18	16-18
393440009	XX-Small	Bilat.	12-13	18-20	18-20
393440010	X-Small	Bilat.	13-14	20-22	20-22,5
393440011	Small	Bilat.	14-15	21-23	22,5-25
393440012	Medium	Bilat.	14-16	22-25	24-27
393440013	Large	Bilat.	16-18	25-28	27-30
393440014	X-Large	Bilat.	18-20	28-31	30-33
393440015	XX-Large	Bilat.	20-22	31-34	33-37

Easy On

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

Accessing Documentation: Seamless Download Experience

Our comprehensive order forms, guidelines, and measurement forms are conveniently available for download directly from our website. Streamlining the process, this online resource ensures ease of access to essential documentation, facilitating a seamless experience for practitioners and healthcare professionals.

References

For more information, please contact our Customer Service at info@allarduk.co.uk

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.

allard

Allard Support UK Ltd.

Coes Road, Dundalk, Co. Louth, A91 E868 | +353 42 932 8177 | info@allarduk.co.uk | allarduk.co.uk