



TECHNICAL AIDS FOR POSTURE AND MOBILITY



WHO

Physipro is a leader in designing and manufacturing complex rehabilitation technology products. We are committed to developing more effective aids, devices, and equipment for maximum comfort and greater freedom. Physipro's product line is the result of 30 years of experience perfecting this fusion of custom and off-the-shelf products. All of our products are made in Canada!



PHYSIPRO COMPANY

FUNCTIONALITY

The functionality of our products reflects a thorough understanding of the daily lives of the people who use them.

DESIGN

Our role is to solve problems, develop innovative solutions, and invent new possibilities in order to meet the needs of wheelchair users.

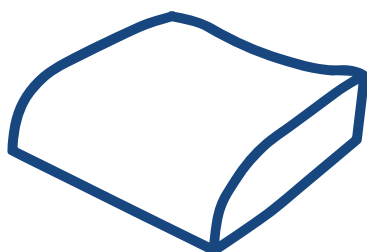
CUSTOMIZATION

We design products that can be continually adapted to keep pace with ever-changing human beings and their environment.

QUALITY

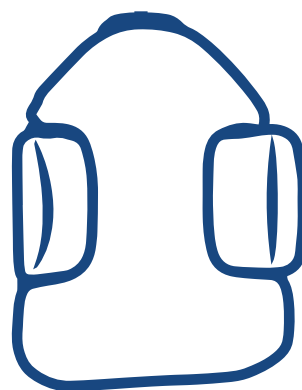
Physipro has built its brand on quality. We strive to provide high quality products through careful control of every step of the manufacturing process.





CUSHIONS

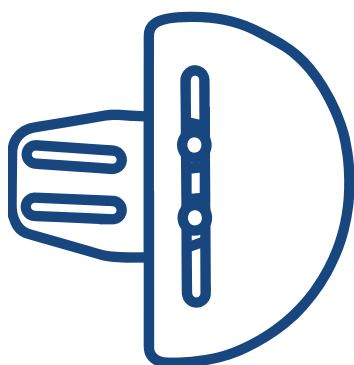
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01 | CUSHIONS



CUSHIONS

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At first glance, a cushion may seem like a minor accessory for a wheelchair. But for those who rely on a wheelchair for mobility, a good cushion can make all the difference.

A well-designed cushion can provide essential support, pressure relief, and comfort for the user. It can also prevent skin breakdown, a common and serious issue for wheelchair users who spend long hours sitting in their chairs.

At **VERMEIREN**, we believe that everyone deserves to have access to a cushion that meets their unique needs and preferences. That's why we offer a wide range of Physipro cushions.

If you or a loved one is a wheelchair user, don't underestimate the importance of a good cushion. It's not just about comfort - it's about maintaining your health, independence, and quality of life. Let us help you find the cushion that's right for you.



BRio™

PHYSIPRO

The Brio™ cushion facilitates corporal alignment and can accommodate different postural conditions. Designed to provide comfort to individuals who require moderate postural support. Light weight and with a slimline profile, The Brio™ encourages natural body alignment.



KEY FEATURES



PREVENTS SLIDING



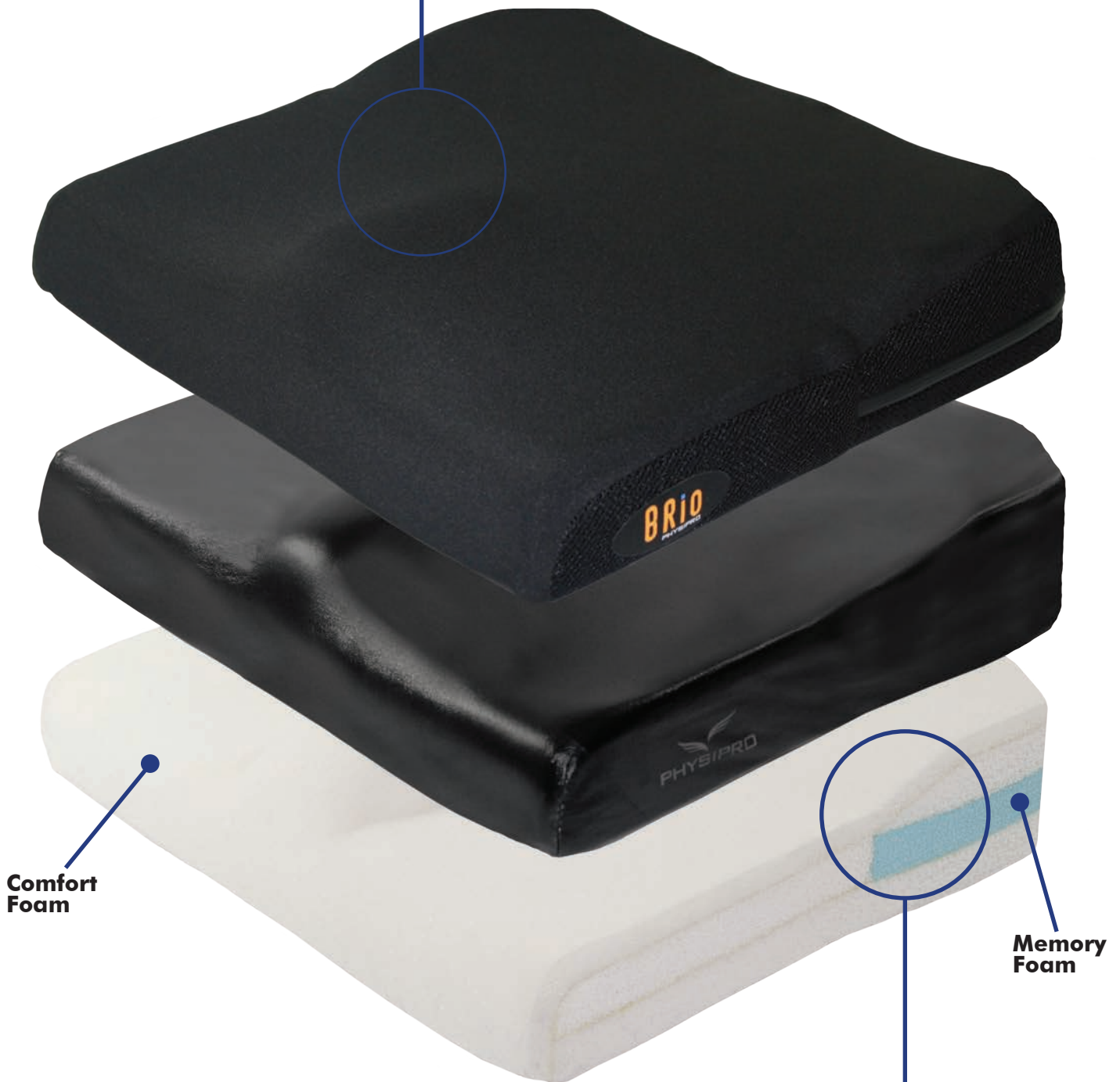
LESION PREVENTION



REDUCES PRESSURE
on bony prominence
(ischium and coccyx)

STABILITY AND ALIGNMENT

The Brio's™ anatomical shapes promote lower limb and pelvic alignment, which contributes to the prevention of sliding.



Comfort Foam

Memory Foam

The pelvic contact area of the Brio™ features an additional layer of memory foam to help reduce pressure on the ischial tuberosities by redistributing pressure towards the muscles of the anterior thigh.

PROTECTION OF SENSITIVE SKIN

AERATION



COMFORT



IMPROVED POSTURE AND STABILITY



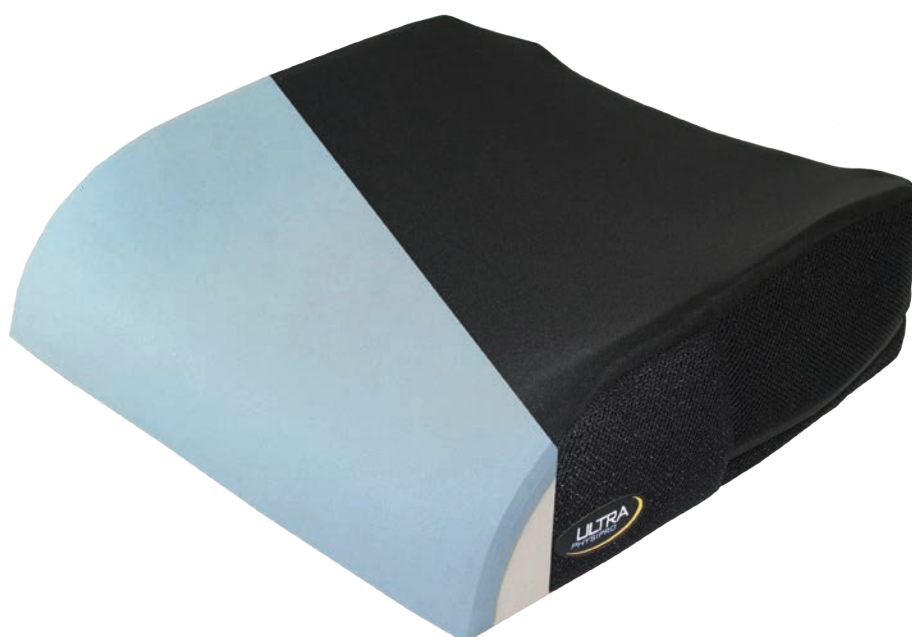
BALANCED DISTRIBUTION OF WEIGHT





ULTRA™
PHYSIPRO

The Ultra™ cushion was designed with a larger contact surface to ensure a controlled and balanced weight distribution and reduce pressure on bony prominences.



KEY FEATURES



PREVENTS SLIDING



LESION PREVENTION



REDUCES PRESSURE
on bony prominence
(ischium and coccyx)



SHOCK AND VIBRATION
ASBSORPTION



GREATER SUPPORT
for individuals suffering
with muscle weakness

OPTIMAL COMFORT

With a layer of dispersion foam in the posterior well, the Ultra™ cushion provides a deeper immersion of the ischial tuberosity to ensure optimal comfort.

Viscoelastic Foam

The design and composition of the Ultra™ prevents the pelvis from sliding forward and provides lateral support to improve balance and postural stability.

CORRECTIVE SEATING

Comfort Foam

PREFORMED FOAM BASE

AERATION



COMFORT

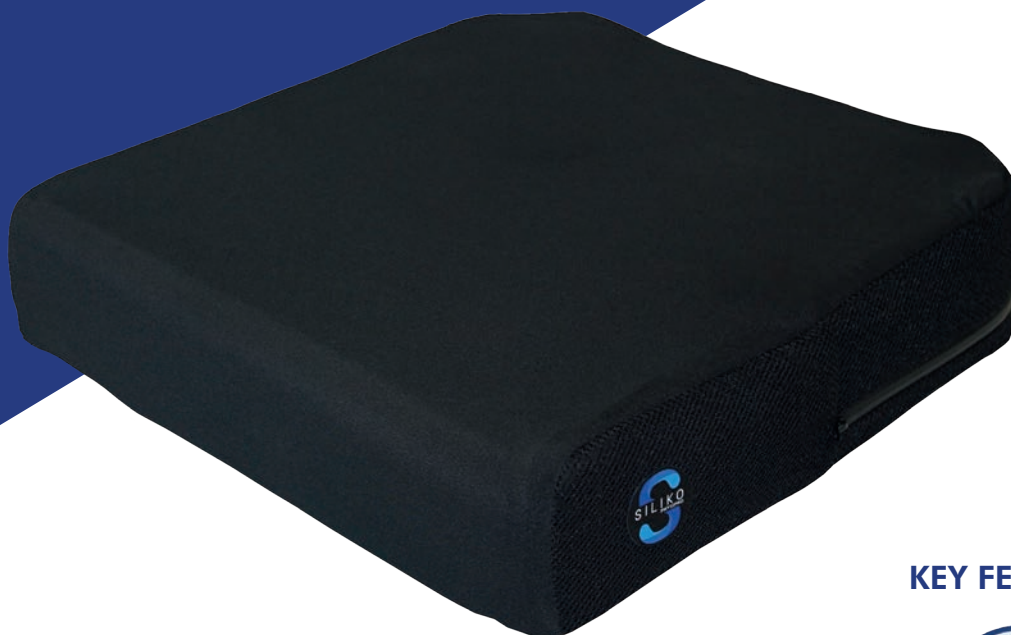


IMPROVED POSTURE AND STABILITY



BALANCED DISTRIBUTION OF WEIGHT





The Siliko™ is a hypoallergenic comfort cushion designed to protect users at risk of skin injury.

KEY FEATURES



**PREVENTS FRICTION
AND SHEARING**



LESION PREVENTION



**SHOCK AND VIBRATION
ABSORPTION**



**EASY
MAINTENANCE**



OPTIMIZED VENTILATION

The embossed gel surface of the Siliko™ promotes greater air circulation and reduces the accumulation of heat and moisture.

Silicon Plate

In addition to providing skin protection, Siliko™'s medical-grade materials make it a high-performance product with antibacterial and anti-odor properties.

MAXIMUM BACTERIA PROTECTION

The Siliko™ is the perfect cushion to protect bony prominences. The silicone surface redistributes pressure evenly among the different contact points on the cushion surface, effectively protecting the epidermis of the gluteus maximus against shearing and other harmful factors.

Comfort Foam

PRESSURE DISTRIBUTION

AERATION



COMFORT



IMPROVED POSTURE AND STABILITY



BALANCED DISTRIBUTION OF WEIGHT





physiair[®]
PHYSIPRO

The Physiair[™] cushion offers numerous postural benefits, made with a high resilience polyurethane foam and a Stimulite[®] honeycomb sheet.

KEY FEATURES



**INCREASES SKIN
BLOOD FLOW**



**BETTER MOISTURE
CONTROL AND REDUCES
TRANSPARATION**



**SHOCK AND VIBRATION
ASBSOPTION**



**EASY
MAINTENANCE**



OPTIMIZED AIR-FLOW

The air cells of the Stimulite[®] honeycomb sheet allows air to flow inside the cushion in every direction simultaneously.

Stimulite

Squared
Comfort Foam

Composed of a supple and resistant material, the Stimulite[®] sheet adapts to the anatomy of the user and stabilizes the pelvic girdle to promote a better postural balance.

SKIN PROTECTION

The firm polyurethane injected foam base is grooved and perforated to maximize immersion of the pelvic contact area. The Physiair[™] offers functional stability and ensure a controlled distribution of pressure around areas at risk of developing pressure sores.

PRESSURE DISTRIBUTION

AERATION



COMFORT



IMPROVED POSTURE AND STABILITY



BALANCED DISTRIBUTION OF WEIGHT





The Resolve™ is designed to promote a stable seating posture and naturally align the lower limbs. The lateral adductors and the medial thigh abductor support the patient's lower body and the anti-thrust wedge prevents the user from slipping forward.

KEY FEATURES



**LOWER LIMB
ALIGNMENT**



GREATER SUPPORT
*for individuals suffering
with muscle weakness*



**SHOCK AND VIBRATION
ABSORPTION**

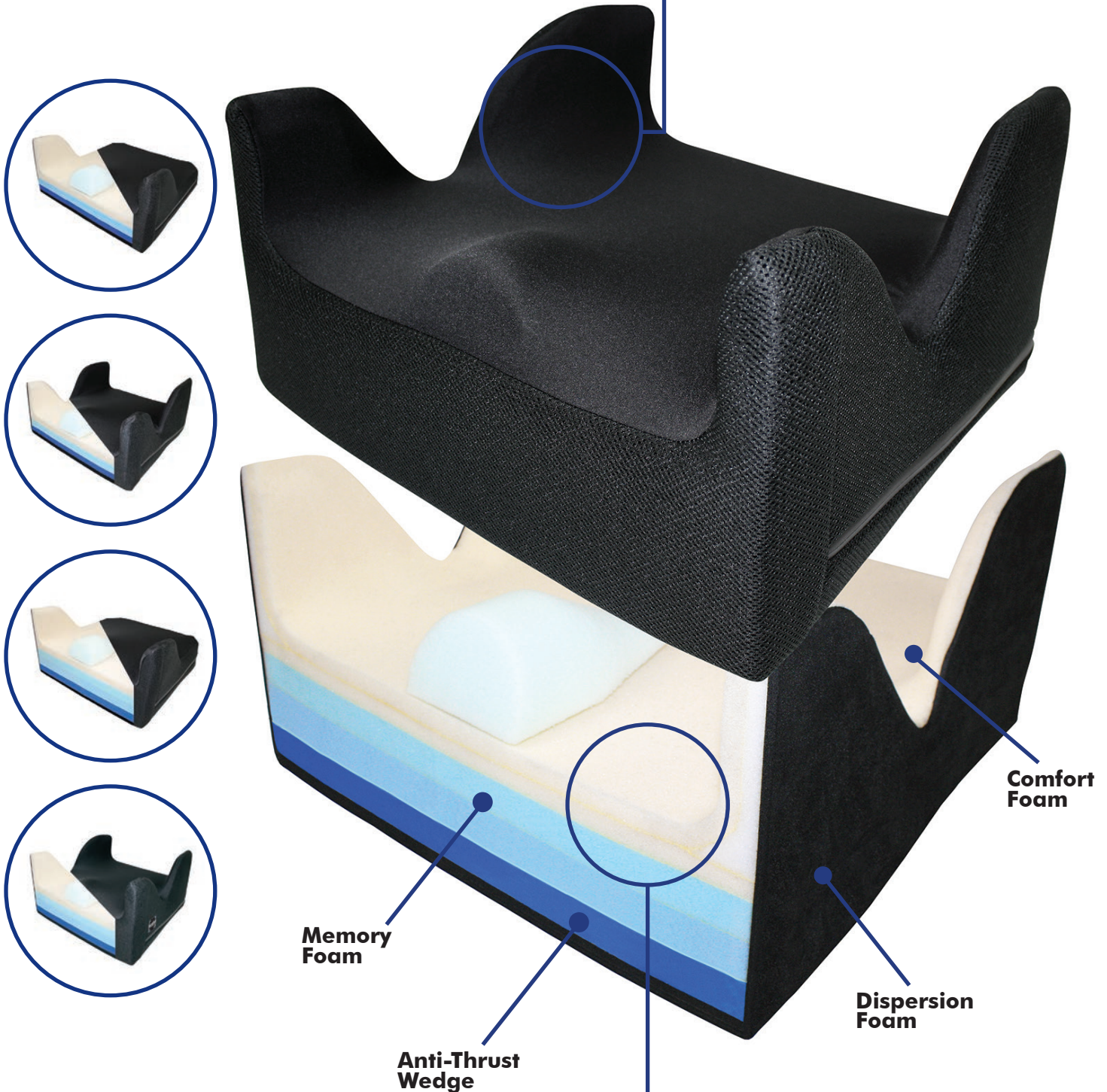


PREVENTS SLIDING



The lateral pelvic and adductor supports of the Resolve™ are reinforced with a rigid structure for effective postural control of the pelvis and the lower limbs.

POSTURAL CONTROL OF THE PELVIS



SUPERIOR COMFORT

Framed with a sturdy layer of plastazote to ensure stability, the Resolve™ cushion is made of soft memory foam and urethane that provide exceptional support and comfort.

AERATION



COMFORT



IMPROVED POSTURE AND STABILITY



BALANCED DISTRIBUTION OF WEIGHT



specifications		
Product Code	S2950-...	S1266-...
Funding Information		
Product Type	Foam Cushion	Foam Cushion
Width	35,5cm to 53cm	35,5cm to 66cm
Depth	35,5cm to 53cm	35,5cm to 56cm
Thickness	6,4cm	7,6cm
Small Dimension		
Medium Dimension		
Large Dimension		
Weight *Resolve (18" x 18" Cushion)	1,13kg (40,5cm x 45,5cm - 6,4cm)	2kg (45,5cm x 40,5cm - 7,6cm)
Weight Capacity	35,5cm to 45,5cm width: 90kg 48cm to 53cm width: 136kg	35,5cm to 51cm width: 136kg 53cm to 66cm width: 227kg
Warranty	Cushion: 24 months limited warranty Cover: 6 months limited warranty	Cushion: 24 months limited warranty Cover: 6 months limited warranty
composition		
Foam Base	Urethane	Firm Urethane
Foam Insert	Memory Foam	Temper Foam
Finition Foam		Viscose
Gel Plate		
Honeycomb Sheet		
Installation Choice	Flat or Sling (ABS rigidizer available)	Flat or Sling (ABS rigidizer available)
Bottom Layer		
Middle Layers		
Top Layer		
Postural Components		
non-standard option		
Foam Base		Firm or Soft Urethane Density
Finition Foam		Viscose or Latex
Gel Insert		Flat Gel
Installation Choice	Built-In of 2,5cm, 3,8cm or 5,1cm	Built-In of 2,5cm, 3,8cm or 5,1cm
Customized Shape		Anatomic, Hemiplegic, Contoured Depth, Front Wedge and Low Profile.
Postural Components		Anti-Thrust Wedge, Anti-Sling Wedge, Pelvic Obliquity Wedge, Medial Thigh Abductor, Lateral Thigh Support and Lateral Pelvic Support.
covers		
Outer Cover	Stretch, anti-slip or waterproof	Stretch, anti-slip or waterproof
Inner Cover	Zippered Inner Cover	Zippered Inner Cover

specifications

S5100-...	S5000-...	Resolve™ with Lateral Pelvic Support: S2256-... Resolve™ without Lateral Pelvic Support: S2257-... Low Profile Resolve™ with Lateral Pelvic Support: S2258-... Low Profile Resolve™ without Lateral Pelvic Support: S2259-...
Standard: SE0001614 Bariatric: SE0001615	Standard: SE0001612 Bariatric Size: SE0001613	
Foam and Gel Cushion	Foam and Honeycomb sheet Cushion	Foam Cushion
35,5cm to 66cm	35,5cm to 61cm	
35,5cm to 56cm	35,5cm to 56cm	
5,1cm, 6,4cm, 7,6cm, 8,9cm or 10,2cm	6,4cm, 7,6cm, 8,9cm or 10,2cm	
		25,5cm x 25,5cm, 25,5cm x 30,5cm, 30,5cm x 25,5cm, 30,5cm x 30,5cm, 30,5cm x 35,5cm, 35,5cm x 30,5cm
		35,5cm x 35,5cm, 35,5cm x 40,5cm, 40,5cm x 40,5cm, 40,5cm x 45,5cm
		45,5cm x 40,5cm, 45,5cm x 45,5cm, 51cm x 40,5cm, 51cm x 45,5cm, 51cm x 51cm
2,5kg (43cm x 43cm - 8,9cm)	1,13kg (40,5cm x 45,5cm - 3")	Resolve™ with Lateral Pelvic Support: 2,5kg Resolve™ without Lateral Pelvic Support: 1,9kg Low Profile Resolve™ with Lateral Pelvic Support: 2kg Low Profile Resolve™ without Lateral Pelvic Support: 1,6kg
35,5cm to 51cm width: 136kg 53cm to 66cm" width: 226kg	35,5cm to 51cm width: 136kg 53cm to 66cm width: 226kg	25,5cm x 25,5cm to 35,5cm x 30,5cm: 68kg 35,5cm x 35,5cm to 51cm x 51cm: 136kg
Cushion: 24 months limited warranty Cover: 6 months limited warranty	Cushion: 24 months limited warranty Cover: 6 months limited warranty	Cushion: Limited warranty of 24 months Cover: Limited warranty of 6 months

composition

LXA Foam and Memory Foam	Urethane	
Silicone		
	Stimulite®	
Flat or Sling (ABS rigidizer available)	Flat or Sling (ABS rigidizer available)	Flat or Sling (With Pointed Anti-Sling Wedge)
		Plastazote
		Memory Foam
		Urethane
		Flat Anti-Thrust Wedge

non-standard option

	Urethane density 60 or 75	
Built-In of 2,5cm, 3,8cm or 5,1cm	Built-In of 2,5cm, 3,8cm or 5,1cm	
Anatomic, Hemiplegic, Contoured Depth, Front Wedge and Low Profile.		
Anti-Thrust Wedge, Anti-Sling Wedge, Pelvic, Obliquity Wedge and Removable Lateral Pelvic Support.		

covers

Stretch, anti-slip or waterproof	Stretch, anti-slip or waterproof	Stretch, anti-slip or waterproof
Zippered Inner Cover	Zippered Inner Cover	



02 | BACKREST



BACKREST

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Having proper support on a wheelchair backrest is essential when you rely on wheelchairs for mobility.

The backrest provides crucial support to the spine and the rest of the upper body.

Without adequate support, a person who spends a significant amount of time in a wheelchair may experience discomfort, pain, and even long-term health issues.



KEY FEATURES



**IMPROVES STABILITY
AND POSTURE**



**UNIFORM DISTRIBUTION
of pressure and weight**



**EASY OF INSTALLATION
AND CARE**

CONTOUR CINCH Back

The Contour Cinch™ Backrest is composed of an easily adjustable and removable aluminum shell and soft foam padding. With lateral supports built directly into the hard shell, the Contour Cinch™ Backrest curves around the side of the body and helps keep the user in an upright position for better postural control.



INTEGRATED LATERAL SUPPORTS

By its slightly curved profile and combination of foams, the Contour Cinch™ backrest increases trunk stability and balance comfortably.



The mounting hardware of the Contour Cinch™ backrest was designed to allow quick and easy installation and removal, while providing angle, height and depth adjustments to ensure the precise positioning of the backrest. The mounting hardware allows a depth adjustment range of 1.5".

QUICK & EASY INSTALLATION



EASE OF INSTALLATION



COMFORT



PRECISION ADJUSTMENT



POSTURE CORRECTION





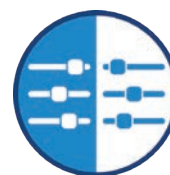
Comfortable, lightweight, durable and easy to use, The Premium™ ensures complete bilateral control of the posterior and anterior curvatures of the spine, providing the ideal back support.



KEY FEATURES



**UNIFORM
DISTRIBUTION**
of pressure and weight



**BILATERAL CONTROL OF
THE BACK
SUPPORT**



**SUPERIOR
PRECISION
ADJUSTMENT**



**COMPENSATES BASIC
& COMPLEX POSTURAL
DEVIATION**



**EFFICIENT
LUMBAR SUPPORT**



**EASILY ADAPTS
to changing
postural needs**

Offered as an option, back post covers simplify the installation of the Premium™ backrest to the wheelchair. These zippered covers allow you to instantly envelop the back posts, protecting the user against direct contact with their hard surface while also permitting quick installation of lateral supports if needed.

QUICK AND EASY INSTALLATION



The various straps of the Premium™ permit the user to easily modify and adapt the backrest to provide better back support in cases of kyphosis, lordosis, pelvic rotation and gibbosity. Equipped with autoblocking buckles, that are easily fastened or unfastened, the 1-inch straps maintain a durable and stable tension over the full length of the backrest.

SIMPLE AND DURABLE ADJUSTMENTS

EASE OF INSTALLATION



COMFORT



PRECISION ADJUSTMENT



POSTURE CORRECTION





The HP2™ backrest line was designed with high performance and precision in mind. Characterised by a rigid shell that encompasses the user's back to provide overall lateral and central support, this backrest was created for persons with significant postural asymmetries



HP2™ Profiled

HP2™ Contour

HP2™ Sport



KEY FEATURES



**UNIFORM
DISTRIBUTION**
of pressure and weight



**IMPROVES STABILITY
AND POSTURE**



**REDUCES
SLIDING AND
LIMITS SPASTICITY**



**ENCOMPASSES
BASIC & COMPLEX
POSTURAL DEVIATION**



**INCREASES OVERALL
SUPPORT OF THE BACK**

A UNIQUE MOUNTING SYSTEM

The HP2™ can be quickly installed or removed from the back post in one easy movement. Designed with a backrest inclination range from 0° to 40°, this feature ensures an optimal sitting position.



THREE AVAILABLE MODELS

The ergonomic shape of the HP2™ Profiler provides a greater liberty of movement of the upper limbs and facilitates manual propulsion. The lateral supports of the HP2™ Profiler can be adjusted both vertically and laterally as well as tilted to the desired angle in order to obtain enough space around the shoulder blades (to easily operate the handrims) and provide the highest level of comfort.

The HP2™ Contour offers improved overall back support. Ideal for persons who require additional trunk support.

The HP2™ Sport perfect for the active users.

EASE OF INSTALLATION



PRECISION ADJUSTMENT



COMFORT



POSTURE CORRECTION





KEY FEATURES



**UNIFORM
DISTRIBUTION**
of pressure and weight



**SUPERIOR
IMMERSION**
of deformities,
gibbositities or severe
kyphosis



**SUPERIOR
PRECISION
ADJUSTMENT**



The Valdis™ is a soft sling backrest designed to offer optimal comfort by adapting to the curves of the back. Capable of adapting to diverse morphologies, the Valdis™ is particularly recommended for people with Hyperkyphosis.



QUICK AND EASY INSTALLATION

The combination of Velcro fasteners and the zippered back post covers maintain the back cushion in place, effectively limiting movement inside the cover and preventing the cushion from sliding on the back posts. The cushioned back of the Valdis™ can be easily removed from the cover to facilitate cleaning.



The cushioned back of the Valdis™ is cut with precision in order to provide a deeper immersion. With a square-patterned cut that increases the cushions flexibility and suppleness, the Valdis™ offers optimal pressure distribution.

DEEPER IMMERSION

The high elasticity of the fabric and the straps of the Valdis™ allows a deeper immersion and helps create an adapted back support that is fitted to the user's specific postural structure. The presence of three adjustment straps at the lower back offers efficient support at the lumbar region and the addition of lateral supports increases trunk stability and balance.

COMPLETE SUPPORT

EASE OF INSTALLATION



COMFORT



PRECISION ADJUSTMENT



POSTURE CORRECTION



specifications

Product code	CINCH....	Standard: D5200 With velcro: D5440	Profiled: HPP Contour: HPC	D5250
Product type	Rigid contoured shell	Tension adjustable backrest	Rigid contoured shell	Tension adjustable backrest
Width	35,5cm to 40,5cm	30,5cm to 66cm	30,5cm to 61cm	35,5cm to 61cm
Height	40,5cm, 45,5cm to 66cm	30,5cm to 66cm	30,5cm to 61cm	35,5cm to 61cm
Thickness	3,8cm	1,5cm	4,4cm	3,8cm
Weight	1,3kg (51cm x 40,5cm)	1,3kg (43cm x 51cm)	3,3kg (40,5cm x 45,5cm - without lateral supports) 3,9kg (40,5cm x 45,5cm - with lateral supports)	2,2kg (16" x 20")

composition

Cushioning	1,5cm Urethane and 1,3cm viscoelastic foam	2,5cm Urethane	0,6cm Plastazote, 1,3cm Soft memory foam and 2,5cm Viscose	3,8cm Square- patterned Urethane
Mounting system	Mounting plate with universal clamp	Screws, straps and auto- block buckles	Two-point mounting system (with quick release)	Screws and Zippered Back Post Cover
Shell	Aluminum		33cm/40,5cm Aluminum	
Straps		Nylon		Nylon

options

Lateral supports		Fixed to the wheelchair canes, Anti-Hammock Effect, Adjustable or Foldable	Contour, Adjustable or Foldable	Fixed to the wheelchair canes, Adjustable or Foldable
Cushioning		1,3cm or 2,5cm Urethane, 1,3cm or 2,5cm Viscose, 2,5cm Stimulite, 1,3cm or 2,5cm Soft memory foam, 1,3cm to 2,5cm Temper T36, 2,5cm Latex and 0,6cm Plastazote	1,3cm or 2,5cm Urethane, 1,3cm or 2,5cm Viscose, 2,5cm Stimulite, 1,3cm or 2,5cm Soft-memory foam, 1,3cm to 2,5cm Temper T36, 2,5cm Latex and 0,6cm Plastazote	
Accessories		Lumbar strap, booster cushion and tension bar.	Harness	Tension bar
Postural components		Thoracic wedge, lumbar wedge, thoracolumbar wedge and sacrolumbar corrector	Thoracic wedge, lumbar wedge, thoracolumbar wedge and sacrolumbar corrector	

covers

Outer cover	Basic cover with headrest cut-out	Basic cover	Standard cover (with cutout for headrest support) Cover with cutouts for headrest support and harness	Basic cover
Incontinence cover	Transparent cover with velcro	Transparent cover with velcro	Transparent cover with velcro	Transparent cover with velcro
Back post covers		With or without zipper		





03

ACCESSORIES



ACCESSORIES

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Being a wheelchair user can present unique challenges when it comes to maintaining proper posture, staying comfortable, and preventing injury. That's why it's important to have the right accessories to support your body and make life easier.

Our postural support systems include everything you need from head to toe, such as headrest, lateral support, arm support, abduction support, knee and foot controls. These accessories can help to prevent slouching, reduce pressure points, and improve overall body alignment.

We believe that everyone deserves to have access to the accessories they need to maintain their health and comfort while using a wheelchair. That's why we're committed to offering a range of high-quality products.



Lateral Supports

LATERAL CONTROLS FOR POSITIONING

For wheelchair users requiring additional support to maintain proper posture and balance, lateral trunk support is a crucial feature. At our company, we provide solutions to customize your wheelchair and meet your specific needs, ensuring both comfort and ease of use.

1. Choose the attachment

For your convenience, we provide you with the option to mount the lateral support on either the tube of your backrest or the shell, depending on your specific needs.



TUBES



SHELL

2. Choose your hardware

Opting for a standard solution for lateral support will provide you with adjustable but fixed support. On the other hand, choosing a swing-away solution will give you the flexibility to easily transfer in and out of your wheelchair, while still ensuring proper lateral support.



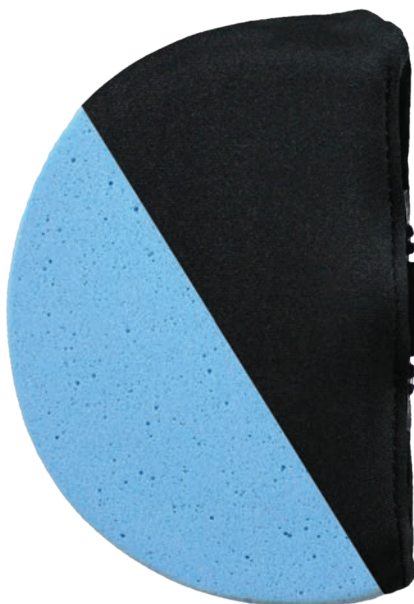
STANDARD



SWING-AWAY

3. Choose your pads

Last but not least, you can choose between straight lateral support or profiled lateral support to enhance your body contouring, support, and overall comfort.



STRAIGHT



PROFILED

Adjustable



lateral supports specifications		
Specification	For Rigid Back	For Sling Back
Product Code	See order forms or product catalog	See order forms or product catalog
Dimension (H x D)	10,2cm x 10,2cm, 15,2cm x 11,4cm, 17,8cm x 11,4cm, 20cm x 11,4cm, 20cm x 14cm, 25,5cm x 11,4cm or 25,5cm x 14cm	15,2cm x 11,4cm, 17,8cm x 11,4cm, 20cm x 11,4cm, 20cm x 14cm, 25,5cm x 11,4cm or 25,5cm x 14cm
Hardware Composition	Aluminum	Aluminum
Installation	Fixed to the rigid shell of backrest	Fixed on 1,9cm or 2,5cm tubing
Height-adjustment	10,2cm x 10,2cm: N/A 15,2cm x 11,4cm: 2,5cm 17,8cm x 11,4cm: 2,5cm 20cm x 11,4cm: 3,8cm 20cm x 14cm: 3,8cm 25,5cm x 11,4cm: 7,6cm 25,5cm x 14cm: 7,6cm	Full-length of back post
Depth-adjustment	4,4cm	1,9cm
Width between the laterals	Min: width of backrest -12,7cm Max: width of backrest -7,6cm	Min: width of backrest -10,2cm Max: width of backrest -5,1cm
padding specifications		
Pad options	Straight or Profiled	Straight or Profiled
Pad composition	2,5cm Soft memory foam and 0,6cm Plastazote	2,5cm Soft memory foam and 0,6cm Plastazote
covers		
Outer cover	0,16cm Neoprene	0,16cm Neoprene

Swing-away



lateral supports specifications		
Specification	For Rigid Back	For Sling Back
Product Code	See order forms or product catalog	See order forms or product catalog
Dimension (H x D)	10,2cm x 10,2cm, 15,2cm x 11,4cm, 17,8cm x 11,4cm, 20cm x 11,4cm, 20cm x 14cm, 25,5cm x 11,4cm or 25,5cm x 14cm	15,2cm x 11,4cm, 17,8cm x 11,4cm, 20cm x 11,4cm, 20cm x 14cm, 25,5cm x 11,4cm or 25,5cm x 14cm
Hardware Composition	Aluminum	Aluminum
Installation	Fixed to the rigid shell of backrest	Fixed on 1,9cm or 2,5cm tubing
Height-adjustment	10,2cm x 10,2cm: N/A 15,2cm x 11,4cm: 2,5cm 17,8cm x 11,4cm: 2,5cm 20cm x 11,4cm: 3,8cm 20cm x 14cm: 3,8cm 25,5cm x 11,4cm: 7,6cm 25,5cm x 14cm: 7,6cm	Full-length of back post
Depth-adjustment	4,4cm	1,9cm
Width between the laterals	Min: width of backrest -12,7cm Max: width of backrest -7,6cm	Min: width of backrest -10,2cm Max: width of backrest -5,1cm
Foldable	Yes	Yes
padding specifications		
Pad options	Straight or Profiled	Straight or Profiled
Pad composition	2,5cm Soft memory foam and 0,6cm Plastazote	2,5cm Soft memory foam and 0,6cm Plastazote
covers		
Outer cover	0,16cm Neoprene	0,16cm Neoprene



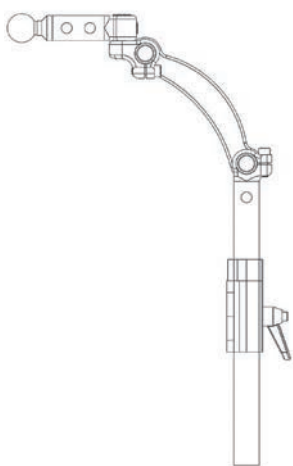
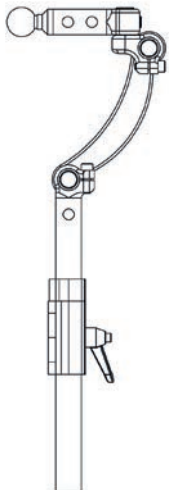
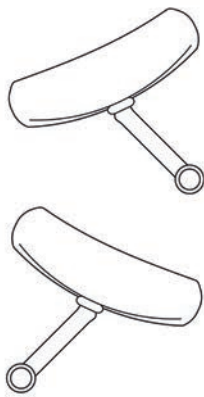
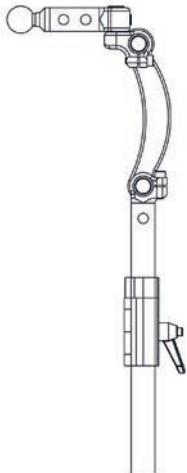
This headrest support made of aluminum offers lightness, safety and allows adjustment in a variety of positions. With continuous adjustment, it can be deported in depth.



adjustments

23cm	Horizontal adjustment from front to back
16,5cm	Vertical adjustment
45°	Adjustment to the left and right

technical specifications

Vertical adjustment	Horizontal adjustment	Horizontal axis	Total height
			
16,5cm	23cm	45°	40,5cm



Head Positioning

HEADREST PAD

Physipro headrest supports give comfortable support in the occipital area. Each type meets specific postural needs, whether minor, moderate, or more complicated. Padded, with a machine washable removable cover.



SIMPLE



COMBINATION



ADJUSTABLE LATERAL



CONTOURED LATERAL

HEADREST SUPPORT

Physipro headrest supports allow headrest height, angle, and depth to be adjusted. They can be installed on a rigid backrest or a tension bar. Designed for ease of adjustment and modification.



MULTI-ADJUSTABLE-OFFSET



MULTI-ADJUSTABLE-STRAIGHT



SYMBIO



Abduction

ABDUCTION POMMEL AND MECHANISM

This postural component is used in cases of severe adduction. Made of high-density foam and topped with dispersion foam, the abduction pommel can be attached to various types of mechanisms.



PUSH BUTTON



HORIZONTAL RELEASE



VERTICAL RELEASE



LATCH



ABDUCTION POMMEL

Adduction

LATERAL ADDUCTOR SUPPORT

The lateral adductor support mechanism is used to reduce lower limb abduction. This system is equipped with clamping blocks, adjusts to the desired angle, and can be placed on either the right or left side. The adductor can be installed bilaterally.



Amputee Support

MULTI-ADJUSTABLE AMPUTEE SUPPORT

Provides optimum alignment of the lower leg stump to ensure both comfort and functionality. The amputee support is installed on the rigid seat plate and on the seat rail with an add-on bar. Made of plastazote, medium memory foam, viscose and a constructa foam pointed crural wedge of 4cm. Its cover is made of Oxford, Triptex U and Air Knit fabrics.



Arm Support

UPPER-LIMB TROUGH SUPPORT

Provides unequalled protection and comfort for the impaired upper limb. The anchoring mechanism allows continuous adjustment of lateral/oblique positioning. A swing-away section underneath the hand allows table access. Constructed with a foam pointed crural wedge of 4cm. Its cover is made of Oxford, Triptex U and Air Knit fabrics.



Knee Controls

SINGLE KNEE STABILIZER

Provides unequalled protection and comfort for the impaired upper limb. The anchoring mechanism allows continuous adjustment of lateral/oblique positioning. A swing-away section underneath the hand allows table access. Constructed from a foam pointed crural wedge of 4cm. Its cover is made of Oxford, Triptex U and Air Knit fabrics.



Foot Control

FOOT STRAP

The Neoprene protector pad comfortably and effectively stabilizes the foot, while the adjustable Velcro strap ensures a secure fit.





04

TILT'N'SPACE POSITIONING BASE



TILT'N'SPACE POSITIONING BASE

Neox	48-51
Technical Specifications	52-53

It allows the user to tilt the entire seat and backrest as a single unit while remaining in a seated position. This feature is especially useful for wheelchair users who require frequent repositioning or pressure relief throughout the day. By tilting the seat and backrest backwards, the user's weight is redistributed, reducing pressure on the buttocks and lower back. This can help to prevent pressure sores and other related health issues.

Neox offers a range of benefits, from pressure relief and repositioning to increased independence of user, and ease of use for caregivers.



NEOX™

The NEOX™ incorporates advanced geometric design and revamped technology, resulting in a modern Tilt-in-Space wheelchair that combines strength, versatility, and manoeuvrability. A practically limitless range of adjustment options translates into a perfect fit and weight distribution.

“

Our products are a direct result of the needs of those we serve.

”



6 WHEELS CONFIGURATION

The center position of the propulsion wheels, reduces the turning radius, provides more stability and facilitates manual propulsion while in a tilted position, increasing the patient's autonomy.

ARMRESTS

The armrests of the Neox® offer greater solidity and are height adjustable. The U-shaped design of the armrest allows the user to securely lean side-to-side to reduce pressure on the pelvis and facilitates pressure relief push-ups.



REAR CASTER TILT MECHANISM

With a foot activated mechanism, the Neox™ easily overcomes obstacles and facilitates access to paratransit services.

ADAPTIVE DIMENSIONS

The overall width of the Neox® is designed to facilitate the use of paratransit services. The proximity of the central wheels to the frame facilitate propulsion.



Neox with 12" wheels - Back



Neox with 12" wheels - Side

DYNAMIC BACKREST

The Neox™ offers as a option an adjustable dynamic backrest that protects the patient from injury during involuntary movements and helps reduce wheelchair damage.

ADAPTIVE DESIGN

The elongated telescopic design of the Neox® frame was developed with the highest degree of precision. Fast and accurate configuration is effortlessly achieved by sliding the telescopic tubing to the desired position. For reallocation programs, this feature offers substantial economic benefits.

NEOX™

ARMRESTS

The armrests of the Neox® offer greater solidity and are height adjustable. The U-shaped design of the armrest allows the user to securely lean side-to side to reduce pressure on the pelvis and facilitates pressure relief push-ups.

CERTIFIED TRANSIT SAFETY

The Neox™ has gone through a dynamic crash test to ensure the safety and security of the wheelchair occupant when they are seated in their wheelchair aboard a motor vehicle.

The crash test was conducted in accordance with ISO/DIS 7176-19,2019 industry standard.

Includes four tie-down points that are integrated to the frame.



ADAPTIVE DIMENSIONS

The overall width of the Neox™ is designed to facilitate the use of paratransit services. The proximity of the central wheels to the frame facilitate propulsion.

STURDY FRAME

Made from an aluminium alloy, the Neox™ frame is durable, lightweight and corrosion-resistant.

NEOX™



*Weight based on 18'' x 18'' Neox™ with all standard features

**Some configurations may limit the tilt. See the user manual for more details.

technical specifications		
Wheelchair type	Tilt-in-Space Wheelchair	
Composition	Aluminium	
Backrest height	140,5cm to 63,5cm	
Backrest angle	Standard Backrest: 85º to 120º Dynamic Backrest: 85º to 110º Adjustable in increments of 5º Reclining Gas Spring Backrest: 85º to 130º, continuous adjustment	
Effective seat depth	Standard frame: 35,5cm to 51cm Extended frame: 40,5cm to 56cm Adjustable in increments of 2,5cm	
Effective seat width	35,5cm to 56cm	
Seat plane angle	-5º to 45º	
Overall Length	Effective seat depth + 66cm	
Overall Width	Effective seat width + 10 ¼"	
Caster/front wheel diameter	Neox™(4-wheel): 12,7cm, 15,2cm and 20cm Neox™(6-wheel): 12,7cm and 15,2cm	
Caster/front wheel diameter	Neox™(4-wheel): 30,5cm, 51cm, 56cm and 61cm Neox™(6-wheel): 51cm, 56cm and 61cm	
Transport Weight*	Neox™(4-wheel): 21 kg Neox™(6-wheel): 25 kg	
Device Weight	Neox™(4-wheel): 30,91 kg Neox™(6-wheel): 33,02 kg	
Maximum Weight Capacity	Standard/Large frame: 120 kg	
Armrests	"T" Type - Lowered: 17cm to 26,6cm "T" Type - Standard: 20cm to 31,7cm "T" Type - Elevated : 25,5cm to 36,8cm Adjustable in increments of 1,3cm "U" Type - Lowered: 17cm to 24cm "U" Type - Standard : 21,5cm to 33cm "U" Type - Elevated: 30,5cm to 42cm Adjustable in increments of 1,3cm	
Footrests	60º Footrest: 28,5cm to 53cm 70º Footrest: 27,3cm to 52cm´ 90ºFootrest: 26,6 to 52cm Adjustable in increments of 1,3cm	
Elevating Legrests	30,5cm to 56cm	
composition		
Backrest	Rigid backrest Tension adjustable backrest Standard back post Dynamic back post Fold-down back post	
Handles	Standard handles Stroller bar	
Tension bars	Standard tension bar 2-inch deep tension bar Tension bar with headrest mounting fixture	
Armrest pads	Foam pads - Desk or Full length Waterfall foam pads - Full length Waterfall gel pads - Desk or Full length	
Headrests	Headrest mounting fixture Headrest supports Headrest pads	
Tilt	Standard tilt Power tilt Anterior tilt locking collar	
Forks	Standard forks Dynamic forks Rear caster tilt mechanism	
Wheel locks	Push-to-lock Pull-to-lock Attendant wheel lock Standard or Telescopic wheel lock extensions	
Axles	Threaded axles Quick-release axles	
Rims	Mag wheels Spoke wheels	
Tires	Polyurethane Pneumatic tires	
Handrims	Aluminium Plastic coated Natural Fit	
Spoke- guards	Transparents Special designs	
Footplates	Flip-up, Flip-up with angle and depth adjustment or One-piece footplate	
Accessories	Positioning belts Calf straps and support Protector pads Heel support strap Amputee support Reflective safety stickers Cane holders Oxygen tank holder Elevating and articulating legrest etc.	
effectiveness of wheel locks (ISO 7176-3)		
Article	Description	Measure
7.2	Maximum slope angle, uphill	14,6º
7.2	Maximum slope angle, downhill	10,4º

seat-to floor height by wheel and caster diameters Neox™ (4-wheel)		
Propulsion Wheels	Casters Wheels	Seat-to-Floor Height
30,5cm	S5"	33cm to 45,5cm
	S6"	35,5cm to 48cm
	S8"	38cm to 51cm
51cm	S5"	33cm to 45,5cm
	S6"	33cm to 45,5cm
	S6"	35,5cm to 48cm
56cm	S6"	35,5cm to 48cm
	S8"	38cm to 51cm
61cm	S8"	38cm to 51cm
seat-to-floor height by wheel and caster diameters Neox™ (6-wheel)		
Propulsion Wheels	Casters Wheels	Seat-to-Floor Height
51cm	D5"	33cm to 45,5cm
56cm	D6"	35,5cm to 48cm
61cm	D6"	38cm to 51cm
static stability parameter (ISO 7176-1)		
Section	Forward static stability	Measure
8.2	Tipping angle of wheelchair in the least stable configuration, with caster wheels unlocked	17°
8.3	Tipping angle of wheelchair in the least stable configuration, with caster wheels locked	N/A
Section	Rear static stability	Measure
9.2	Tipping angle of wheelchair in the least stable configuration, with propulsion wheels unlocked	22°
9.3	Tipping angle of wheelchair in the least stable configuration, with propulsion wheels locked	18,7°
Section	Sideways static stability	Measure
10.2	Tipping angle of wheelchair in the least stable configuration, left side	20°
10.2	Tipping angle of wheelchair in the least stable configuration, right side	20°
Section	Anti-tip devices static stability	Measure
11.2	Rearward tipping angle of wheelchair in the least stable configuration	24,4°
11.2	Forward tipping angle of wheelchair in the least stable configuration	N/A
11.4	Do anti-tip devices prevent rearward tipping?	Yes
11.4	Do anti-tip devices prevent forward tipping?	N/A

Available colors



VERMEIREN

we care for you

VERMEIREN, manufacturer of wheelchairs since 1957, is a major player in the world of medical equipment. Over the years, the VERMEIREN group has specialized in producing wheelchairs, nursing beds, shell chairs, comfort chairs and any other product that may accompany a patient or user in maintaining his autonomy and mobility.



OUR COMPANY

The European development and design teams are equipped with precision high-tech tools, resulting in reliability and quality for each product VERMEIREN produces.

Today, VERMEIREN is a group with more than 1 300 employees with subsidiaries in Europe and Asia. VERMEIREN delivers products for sale in more than 45 countries worldwide.



