

Seating & Positioning  
Cushions



permobil

## Trusted seating solutions for every individual

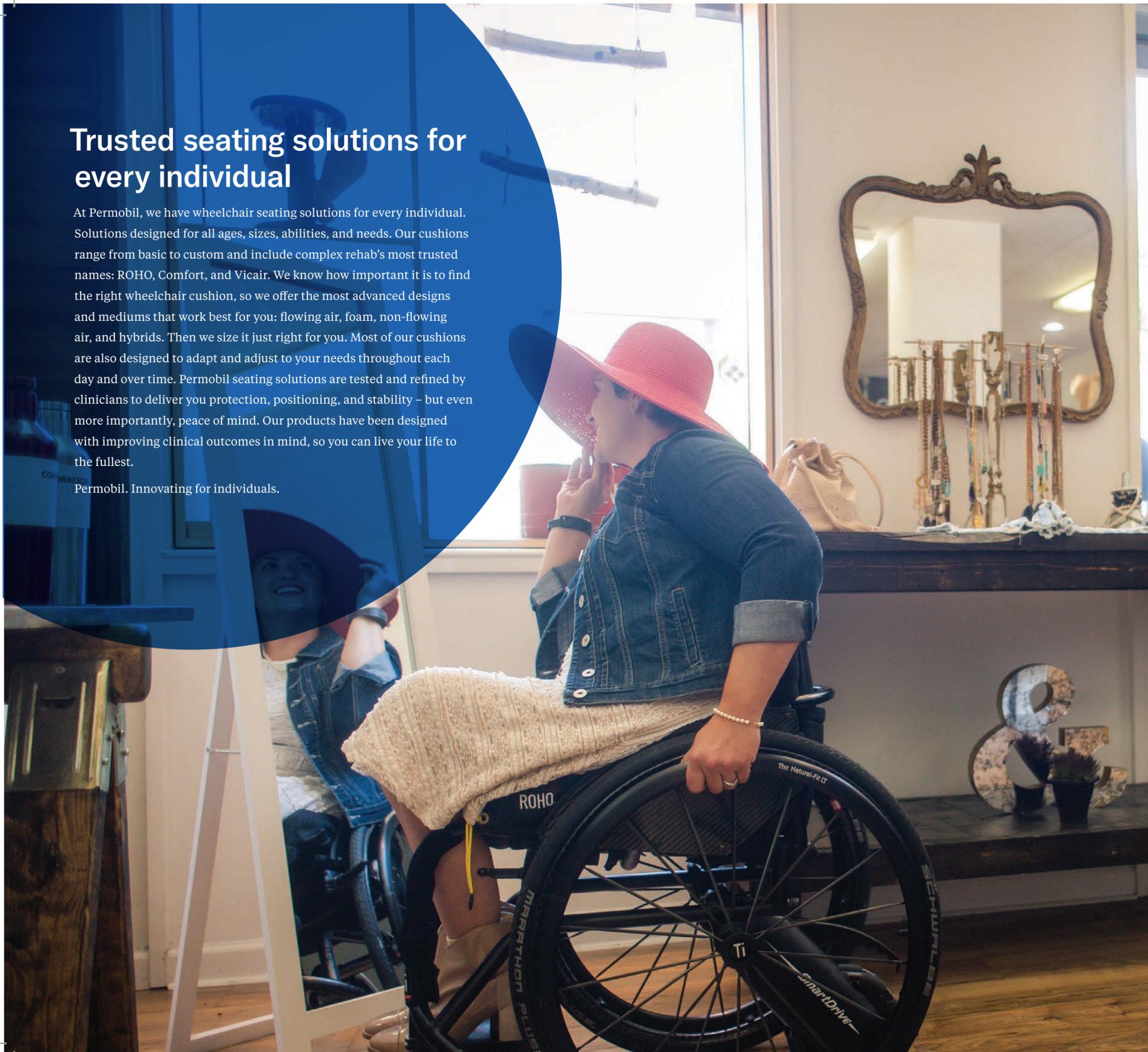
At Permobil, we have wheelchair seating solutions for every individual. Solutions designed for all ages, sizes, abilities, and needs. Our cushions range from basic to custom and include complex rehab's most trusted names: ROHO, Comfort, and Vicair. We know how important it is to find the right wheelchair cushion, so we offer the most advanced designs and mediums that work best for you: flowing air, foam, non-flowing air, and hybrids. Then we size it just right for you. Most of our cushions are also designed to adapt and adjust to your needs throughout each day and over time. Permobil seating solutions are tested and refined by clinicians to deliver you protection, positioning, and stability – but even more importantly, peace of mind. Our products have been designed with improving clinical outcomes in mind, so you can live your life to the fullest.

Permobil. Innovating for individuals.

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Select from a wide variety of Permobil's air, foam, and hybrid cushions, so you can find the seating solution that works best for your individual needs. You can trust in our products to provide you with optimal skin and soft tissue protection backed by years of clinical testing, as well as contoured cushions to enhance your stability and positioning.



# Attributes of great seating



## Skin & Soft Tissue Protection

Protecting your skin is one of the most important things to do when you're in a wheelchair. Individuals who use a wheelchair as their primary means of mobility often have sitting times of more than 10 hours per day. These sitting times, in combination with a reduced ability to change position and decreased sensation, can put you at high risk for skin breakdown.

Pressure cannot be eliminated in seating, so instead, we must focus on the redistribution of pressure.

Sustained pressure in one area can cut off circulation to vulnerable parts of the body. Without an adequate supply of blood, these body tissues can die. According to Johns Hopkins Medicine (*Pressure Ulcers*), a pressure injury can develop in just 2-3 hours if blood supply is cut off.

Are you at risk for pressure injuries? They are usually caused by:

- Continuous pressure: if there is pressure on the skin on one side, and bone on the other, the skin and underlying tissue may not receive an adequate blood supply
- Friction: for some individuals, especially those with thin, frail skin and poor circulation, turning and moving may damage the skin, raising the risk of pressure injuries
- Shear: if the skin moves one way while the underlying bone moves in the opposite direction, there is a risk of shearing which can lead to tissue death

*Most Permobil cushions incorporate elements of immersion, envelopment, and/or offloading in order to help prevent skin/soft tissue injuries.*



## Immersion

Cushion allows the body to sink in and have greater overall contact area to redistribute pressure.



## Envelopment

Cushion surrounds the body and redistributes pressures as the body immerses into the cushion.



## Offloading

Cushion takes pressure off one small surface area and loads it onto a greater surface area that can withstand more pressure.



## Positioning

Permobil knows that good posture decreases pain and reduces your risk of falling out of your wheelchair and being injured. Proper positioning also safeguards the integrity of your bone structure. But did you know that proper positioning also improves your ability to see more of your surroundings, to breathe and swallow easier, and have better digestion?

When you are properly positioned, you will be more comfortable and less tired, and you will have better ability to interact with your environment. Improper positioning can cause you serious pain and can even lead to long-term structural issues. That's why our cushions are made with the goal to help promote good posture.

*Most Permobil cushions are designed to promote postural stability and freedom of movement, which may help individuals perform daily living activities with less pain and fatigue.*



## Stability

When the pelvis is stable, this in turn creates stability in the spine, as the two are connected.

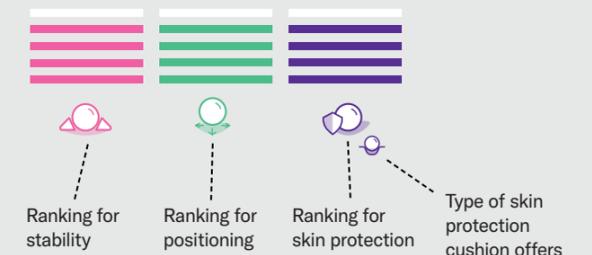
A stable base allows you to transfer easily and control your body position. It also allows you to reach and lean forward, move side to side, and feel more secure in your wheelchair. What a difference that makes in your daily life and being able to take part in activities. We want all those things for you, and more!

Our seating solutions provide you with the support, balance, and dependability you need.

*Most Permobil cushions are designed to help individuals control their body position and prevent sliding, hold their pelvis in place, and enable them to reach and lean with stability.*

## Guide to understanding attributes

Throughout this brochure, charts like the one to the right appear with each cushion. These charts are an indication of that cushion's attributes, as well as the types of skin protection each cushion offers.



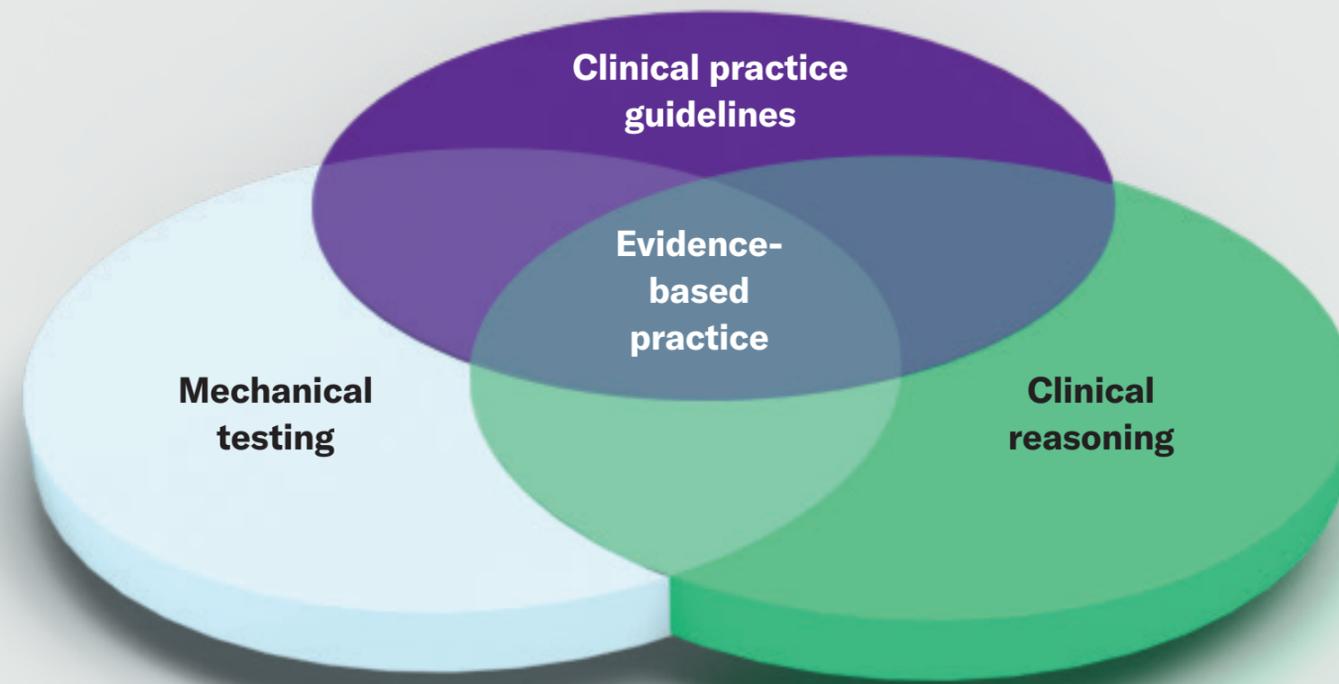
# Science behind our products

## Evidence-based practice

To demonstrate how Permobil cushions perform, we rely on a range of evidence and best practices, including clinical reasoning and published clinical evidence; mechanical data from standardized bench testing (ISO and RESNA); current clinical practice guidelines (CPG) for the prevention of pressure injuries; and the medical device regulatory requirements, including the new and rigorous requirements of the EU.

## Clinical practice guidelines

The design, development, and evolution of our cushions have always been based on clinical recommendations to optimize client outcomes. Permobil seating solutions are reviewed and refined by clinicians, as well as by globally recognized knowledge and testing sources. These assessments provide insight into how each of our cushions are unique, and how each cushion provides different benefits.



## Mechanical testing

Permobil professionals are at the forefront of standardized bench testing and clinical practice, through participation and leadership in the NPIAP, ANSI/RESNA, ISO and CEN.

We test our cushions to ISO and ANSI/RESNA standards at the Tissue Integrity Management Laboratory at the University of Pittsburgh. To learn more, and see the tests for yourself: <https://wheelchairstandards.com/>

## Clinical reasoning

Having this range of evidence and information helps with the cushion selection process. Like you, each cushion is unique. Find the one that's best for you.

Attributes of great seating	Mechanical testing	Clinical practice guidelines	Clinical reasoning
 <b>Skin Protection</b>	Immersion test (ISO 16840-2) reveals how deeply the body sinks into the cushion. Envelopment test (ISO 16840-12) reveals how the body weight is cradled by the cushion, using envelopment or offloading. Shear test (Shear force sensor) reveals the potential of the cushion interaction with the body to distort/deform the tissue. Contact Area (Pressure mapping) reveals how much contact is being made between the seat support and the individual.	CPG notes pressure injuries result from pressure or pressure in combination with shear. NPIAP guides use of support surfaces to achieve pressure redistribution in one of two methods: immersion/envelopment or redirection/offloading. NPIAP recommends immersing more than 40 mm to cradle bony prominences, which may reduce the risk of pressure injury.	Lower shear forces minimize the tissue distortion/deformation and may reduce risk of pressure injury. Achieve as much contact area as possible to promote greater pressure redistribution which may reduce risk of pressure injury. Immersing the bony prominences may reduce risk of pressure injury.
 <b>Positioning</b>	Slide resistant test (ISO 16840-2) reveals how much force is required to slide forward on the cushion when seated.		A higher slide resistance force indicates more stability and may contribute to decreasing forward migration of the pelvis in the cushion for those with trunk and/or pelvic weakness.
 <b>Stability</b>	Lateral tilt test (ISO 16840-13) reveals the stability the cushion may provide during side-to-side leaning.		A more stable cushion during leaning may increase ability to perform daily tasks for individuals with trunk and/or pelvic weakness.

# History of our products

## ROHO® cushions

For more than 47 years, ROHO, Inc. has dedicated its efforts to the research, engineering, and manufacturing of air-cell based cushions, making ROHO cushions the industry standard in skin and soft tissue protection.

ROHO cushions have an air-cell design that keeps you in place while moving as you do, constantly adjusting to your body. It's called DRY FLOATATION® technology (more on that in the tech section), and it's a ROHO product exclusive. These specially developed and adjustable air cells mimic the properties of water and ensure your body is immersed and enveloped to give outstanding pressure distribution.

Each cushion has multiple air cells made of a soft, smooth, and pliable material that reduces shear and friction. Some even have anatomically shaped contours or hybrid foam bases, to offer individuals additional support and stability. With some cushions, you can also set different inflation levels in the separate compartments based on your needs. What truly sets a ROHO cushion apart is the airflow between the cells allowing the cushion to adjust and adapt to the individual, providing a comfortable seat that accommodates new positions, daily movements, and body changes over time.

The proof of performance is clear in over 90 scientific and clinical studies verifying that a ROHO DRY

FLOATATION cushion assists in healing, treating, and preventing pressure injuries, including deep tissue injury. ROHO cushions are the world-renowned leader in skin protection and positioning product solutions, and there are currently over one million cushions in use in over 70 countries. Pretty amazing when you consider ROHO cushions started in 1973 with an electrical engineer making just a few cushions each day to support those going through the rehab process. The factory now produces over 1,000 cushions daily!

Whether you need the conforming, pressure-relieving power of DRY FLOATATION technology or you need aggressive positioning and smoother, safer transfers – there's a ROHO cushion designed for you.

### Key benefits:

- superior skin and soft tissue protection
- longer safe sitting times
- positioning and stability capabilities
- adjustments can be made while the individual is seated

*The majority of ROHO cushions are proudly made in Belleville, IL. The high quality of our proprietary neoprene and ISO 13485 certified Quality Management System instill confidence that your cushion will continue to perform year over year.*

## Comfort cushions

Comfort Company first began manufacturing seating and positioning equipment for geriatric and rehabilitation clients and people with disabilities back in 1990. Known for their stable foam bases, contours, and hybrid options, Comfort cushions are engineered and designed to provide pressure relief and positioning to accommodate a wide range of seating requirements.

With the addition of the Comfort range of wheelchair cushions under the Permobil brand in 2017, we have broadened our offering of seating solutions using varying materials and technologies, but always with the individual needs of the user in mind.

High density, molded foam is used for the cushion bases. This helps increase the surface area, reducing potential peak pressure areas. It is extremely resilient and offers you exceptional stability and comfort during transfers. A second layer of Visco (memory) foam is layered on top of the base and conforms to your body.

Comfort cushions are contoured and engineered with a combination of adductors, posterior well, abductors, and anti-thrust to mimic the human anatomy to provide positioning and stability based on your needs.

The addition of GlideWear™ shear reduction material, Adjustable Technology Insert for Positioning (ATI), and gel packs in the various cushions takes the contoured foam base to the next level. This allows you to experience individualized levels of comfort and independence, designed to enhance your everyday life.

Whether pediatric, geriatric, or bariatric needs, Permobil is committed to providing you with quality products that are designed for comfort, durability, and ease of use.

### Key benefits:

- foam base provides pressure relief, stability, and positioning
- lightweight and low maintenance
- numerous design options available to best meet your needs

*Most Comfort cushions are produced in our facility in New Berlin, WI. Engineering, fabrication, sewing, assembly, and shipping all work together under one roof to see your product from beginning to end.*

## History of our products

### Vicair® cushions

You can easily recognize a Vicair cushion by its tetrahedron shaped SmartCells. These form the basis of the Vicair technology, and they are filled with non-flowing air packaged in a unique way. In each cushion, you will find hundreds of these small packages of air – hundreds of SmartCells.

SmartCells are virtually indestructible requiring few adjustments. All of the SmartCells together form layers within the compartments of these cushions, and do not migrate from their compartments, which provides you with additional stability.

The SmartCells move with minimal friction, resembling a viscous fluid, enabling the cushion to adapt to the shape of your body. Additionally, SmartCells are able to conform individually to your

body's contours which creates pressure redistribution. Every compartment can also be adjusted to fit individual needs, or changing needs, by removing or adding SmartCells. Even while you are seated!

Vicair cushions provide temperature and moisture regulation thanks to their open structure. When it comes to cushion care, Vicair cushions are fully machine washable and offer excellent micro-climate control to deal with hygiene-related issues such as sweat and incontinence.

The final result is a lightweight wheelchair cushion that provides pressure redistribution and minimal shear forces. A Vicair cushion provides you with maximum comfort, optimal support, and reduced risk of skin breakdown.

### Key benefits:

- increased reach, functionality, and less fatigue for additional stability
- extremely lightweight and hardly any maintenance
- washing your wheelchair cushion has never been easier than with Vicair

*In the USA, Vicair wheelchair cushions are distributed by Permobil.*



## Constantly improving technology

As technology progresses, so do we. We're constantly pushing to improve so we can deliver the stability, protection, and comfort you need to live life to the fullest.

# Our cushion technologies

## DRY FLOATATION® Technology

ROHO's DRY FLOATATION technology is based on hydrostatics which allows the cushion to mimic the pressure redistribution properties of water. The technology follows four fundamentals for ensuring optimal skin protection, stability, and positioning.

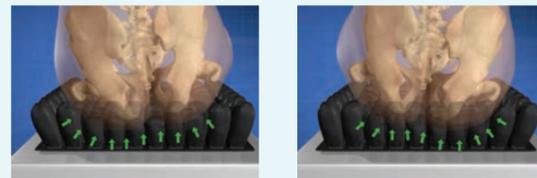
### Lets you in

Our unique design lets you easily sink into the cushion, reducing both pressure and discomfort to your skin and soft tissues. When an individual spends the entire day seated, it can create a lot of pressure to deal with. A ROHO cushion allows your body to immerse without resistance into the air cells as it's cradled in a protective environment that delivers comfort and distributes pressure.



### Matches your shape

Water shapes perfectly to the body, so mimicking it means the ability of the cushion to match to your individual shape. ROHO cushions make this possible with flexible cells that can provide constant and even forces across all contact areas with the body, while ensuring you remain safe, stable, and in the right position.



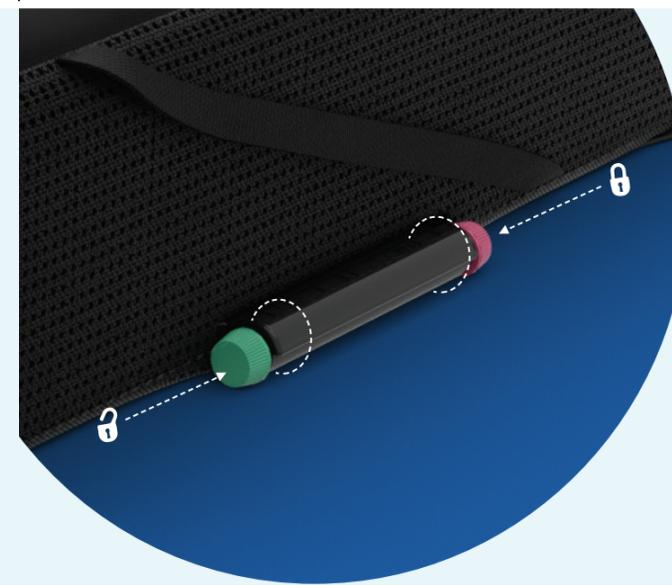
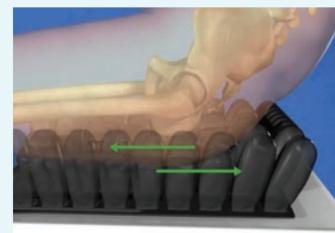
### Moves with you

No matter what you are doing, your ROHO cushion will adapt to your every position. The air cells follow your motions, giving you support and freedom of movement. ROHO cushions are designed to move with the body and constantly adapt to the changes that happen throughout each day and over time.



### Works with you, not against you

Nothing feels like a ROHO cushion. The smooth surface reduces shear and friction without compromising your safety and comfort. The cells in a ROHO cushion are designed to transfer air between one another and adapt as the you move. So you can simply go about your day while the cushion works with you, always.



## ISO FLO® Memory Control

You can easily find and set the right position for optimal immersion and skin protection by utilizing the exclusive ISO FLO Memory Control on your ROHO Select series cushion. It provides you with the ultimate control over the inflation levels within the air compartments of your ROHO cushion, making it easy to ensure you are positioned properly.

Located at the front of all Select Series cushions and within easy reach, a simple push of a button provides you with the ability to customize the fit and make adjustments while seated. The ISO FLO control is color-coded for easy use (green is open, red is closed).

- With the ISO FLO Memory Control open, air can flow freely throughout the entire cushion, similar to a ROHO Single Compartment cushion.
- With the ISO FLO Memory Control closed, air becomes locked into the separate compartments offering positioning capabilities and providing stability.

### Key benefits:

- quick and simple adjustments
- solution for positioning and stability
- color-coded visual aid
- used while seated

Available in: ROHO Quadtro Select, ROHO Contour Select, and ROHO Hybrid Select.

## ROHO Smart Check® Cushion Monitoring Device

Permobil's exclusive Smart Check device can help determine the proper inflation level for your Sensor Ready cushion, giving you the peace of mind that you are seated securely and protected from skin/soft tissue breakdown.

The world's first personal electronic cushion monitoring system takes the guesswork out of using Permobil's Smart Series cushions. Smart Check is used to set up and monitor an individual's inflation range. Simply attach the portable Smart Check device to the quick disconnect port of your ROHO Sensor Ready cushion, and with a push of a button you'll know right away if your inflation level is within your stored inflation range.

You can be more confident with this instant feedback on your inflation level and check it at any time.

### Key benefits:

- stores your inflation range
- press to check inflation level
- real-time feedback
- ability to reset
- detachable for storage

Available in ROHO Smart Series: ROHO Sensor Ready Single Compartment High Profile and Mid Profile, and ROHO Hybrid Elite SR Single Compartment Cushion.



## Adjustable Technology Insert for Positioning (ATI)

The ATI is a moldable insert constructed of high strength, lightweight aluminum that can be molded and remolded to add extra positioning support where you need it.

This allows for on-site customization of an off-the-shelf cushion to effectively meet your needs. The insert can be remolded to meet the changes in your physical and functional needs, and maintains its shape even under the most active individuals.

It is intended to be positioned beneath a compatible cushion and inside the cushion cover.

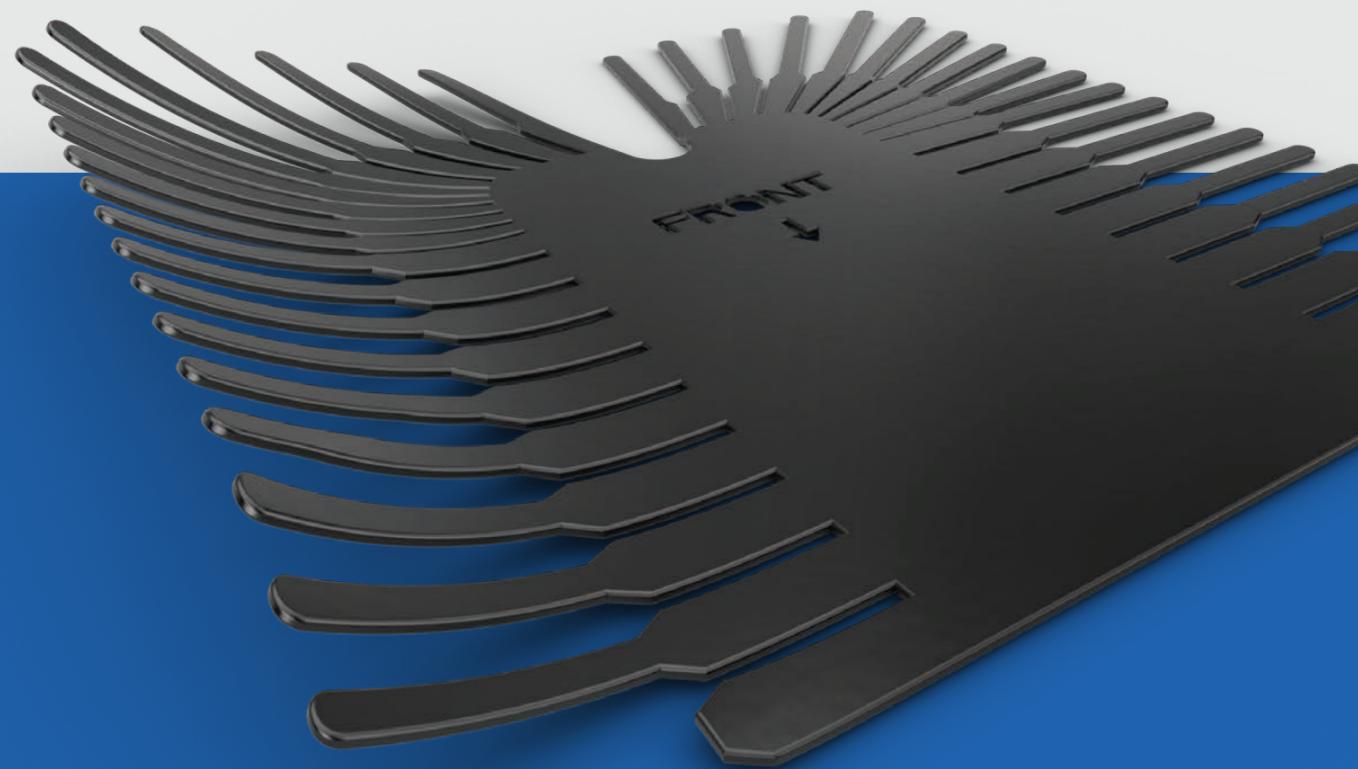
*Available with: Comfort M2 with ATI and Comfort Embrace with ATI.*



## QuadraGel

QuadraGel pack helps to redistribute pressure for comfort. The pressure-relieving gel assists in reducing shear forces and protects your skin from breakdown. With four compartments, the gel is evenly distributed and prevents gel displacement. The addition of the gel pack enhances the longevity of your cushion.

*Available with: Comfort M2 & M2 with ATI, and Comfort ELEMENTS®.*



## ROHO Standard & Select Series Covers

The ROHO Standard and Select Series cushion covers are intended to protect both you and your cushion. They feature a two-way stretch top to help reduce friction and shear while encouraging immersion and envelopment. The zippered cover is easily removable for cleaning and is machine washable.

*Note: Select Series cushion covers include an opening for the ISOFLO Memory Control.*

## ROHO Heavy Duty Cushion Covers

For individuals needing incontinence protection for their cushion, or for a longer-lasting cover, ROHO's Heavy Duty cushion cover is the ideal choice. It has all the features of the Standard cover, however, it is designed for rugged use and everyday wear and tear. The fluid-resistant top and sides serve to protect the cushion underneath by providing a barrier that may prevent moisture from seeping into the cushion material below.

## Comfort STRETCH-AIR® Cover

Designed to be airy, stretchy, and breathable, the STRETCH-AIR cover for Comfort cushions allows for heat dissipation and is soft to the touch. The two-ply material includes a top layer with a fluid-resistant but breathable vapor barrier underneath. STRETCH-AIR covers have multi-directional stretch and allow you to experience the full benefits of your chosen cushion design.

*Note: Optional additional incontinent liner available for Comfort M2/M2 with ATI and Comfort Embrace/Embrace with ATI.*

## Comfort COMFORT-TEK® Cover

The COMFORT-TEK cover for Comfort cushions is both smooth and strong. This material is combined with a high-stretch backing and is extremely soft for amazing comfort. You may benefit from pressure relief provided by the multi-directional stretch fabric conforming to your individual shape and by it alleviating pressure on your bony prominences.

*Note: Optional additional incontinent liner available for Comfort M2/M2 with ATI and Comfort Embrace/Embrace with ATI.*

Comfort cushion covers also feature reflective piping that may help promote safety and protect individuals when they are outside in low light conditions by making them more visible.

## GlideWear™ Shear Reduction Panel

As an embedded upgrade to the STRETCH-AIR and COMFORT-TEK cover options for Comfort cushions, GlideWear™ technology further reduces your risk of pressure injuries and enhances end user comfort. It is lightweight, breathable, and reduces moisture buildup for micro-climate control to protect your skin.

The GlideWear™ shear reduction panel can be added to the very specific and high-risk area located under bony prominences. The dual-layered shear reduction zone

glides with your skin, while the single-layered stability zone surrounding it enhances your positioning and control.

By reducing the amount of friction, it reduces the daily stresses on soft tissue and the probability of skin breakdown from the effects of shear. It also promotes the healing process of existing problem areas.

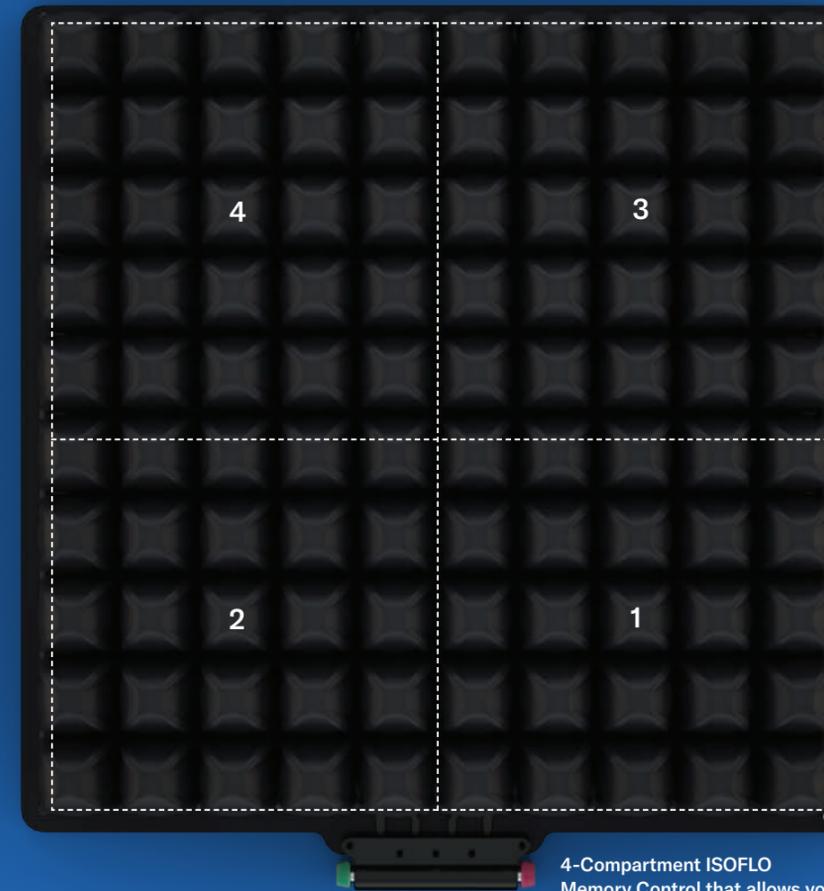
*Available with: Comfort M2/M2 with ATI and Comfort Embrace/Embrace with ATI.*

## Our cushions

A system that fits well gives you the support you need. Our seating and positioning products are designed to adapt and adjust to your needs throughout each day and over time.



Shown without cover.



4-Compartment ISOFLO Memory Control that allows you to easily find and set the right position each and every time.



## ROHO QUADTRO SELECT®

### E2624/E2625

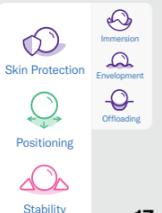
QUADTRO SELECT is the most clinically advanced cushion in the ROHO product family, constantly adapting to your needs or activities. With the exclusive ISOFLO Memory Control and independent four-compartment design, you have the ultimate control over the inflation levels across your cushion, making it easy to ensure you are positioned properly. The interconnected air cells envelop your body, delivering maximum immersion and positioning, while protecting you from skin and soft tissue breakdown.

### Key benefits:

- positions you left and right and front and back
- stabilizes and holds the position of your pelvis and thighs
- delivers skin and tissue protection
- easy to set up
- available in three different cell heights: HIGH PROFILE® (4.25")/MID PROFILE™ (3.25")/LOW PROFILE® (2.25")

Sizes\* Widths: 11"-26.25" (28 cm-67 cm)  
Depths: 11.75"-23.75" (30 cm-60 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.



## Comfort M2 with ATI

### E2624/E2625

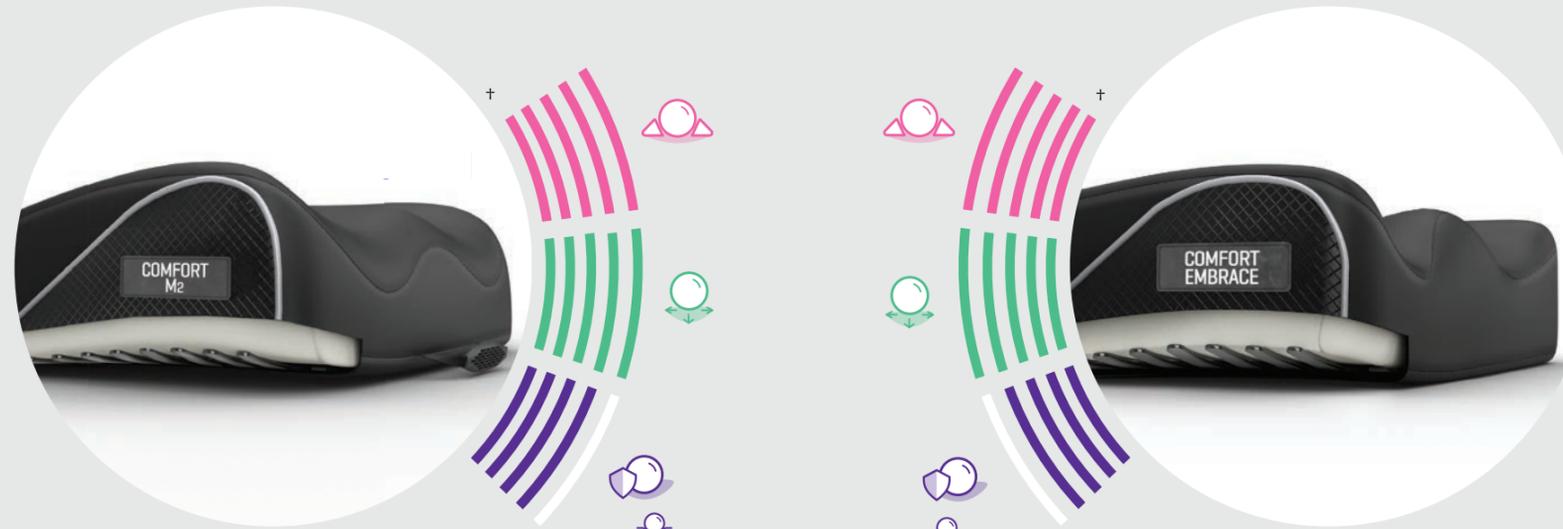
The M2 with ATI offers you advanced positioning support with its deep lateral and medial leg contours, while the tapered leg adductors provide you with pelvic stability. It is constructed with dual density foam, a molded foam base, and a QuadraGel pack for comfort. In addition, you get the benefit of the moldable metal ATI that is designed to add additional support where needed. The M2 comes in two different styles: Zero Elevation (same height from front to rear) and Anti-Thrust (with a mild “shelf” at the halfway point to minimize any forward migration).

#### Key benefits:

- promotes postural alignment and pelvic stability
- four compartment QuadraGel pack for comfort
- coccyx relief cutout minimizes peak pressures
- upgrade available with an embedded GlideWear™ shear reduction zone in the cover

Sizes\* Widths: 10"-24" (25 cm-61 cm)  
Depths: 10"-24" (25 cm-61 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or [permobil.com](http://permobil.com).



## Comfort Embrace with ATI

### E2624/E2625

The Embrace with ATI provides you with comfort and skin protection thanks to the combination of a contoured molded foam base and a layer of memory foam. Like the M2, it offers you advanced positioning support with its deep lateral and medial leg contours, tapered leg adductors for pelvic stability, and a moldable metal ATI. The ATI is designed to be molded and remolded to add additional support where you need it, and it can be adjusted as your needs change. The Embrace cushion is available in both an Anti-Thrust and Zero Elevation style.

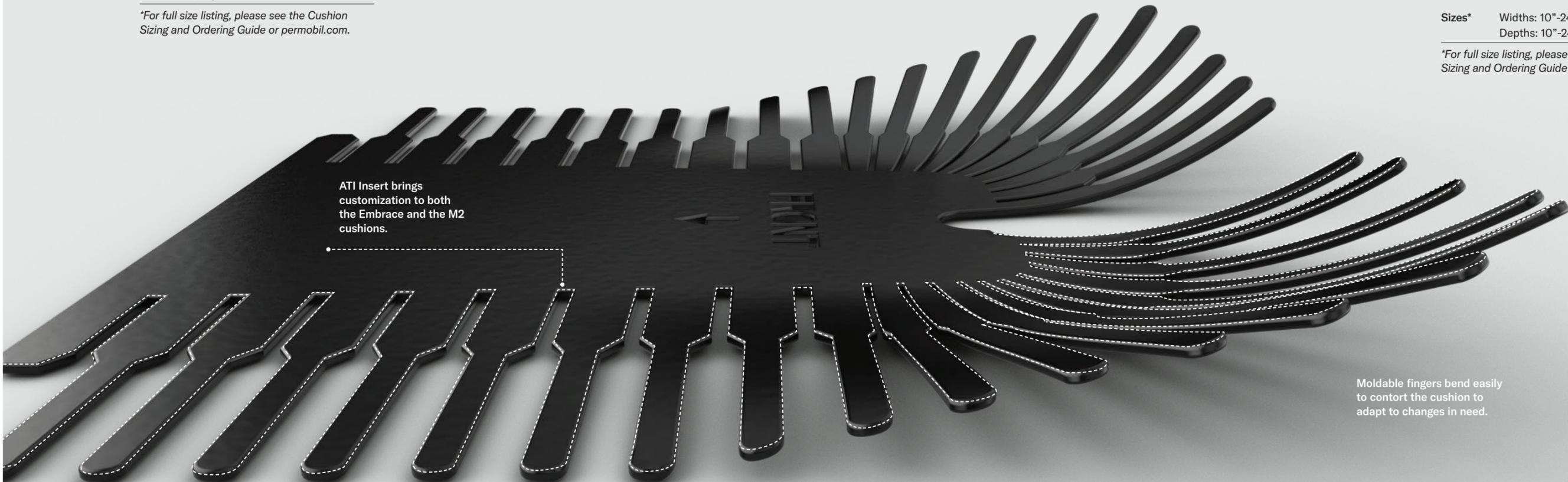
#### Key benefits:

- promotes postural alignment and pelvic stability
- tapered leg adductors increase in width near the back
- distributes pressure away from your ITs, sacrum and coccyx
- upgrade available with an embedded GlideWear™ shear reduction zone in the cover

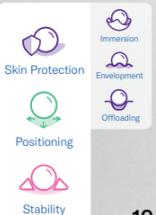
Sizes\* Widths: 10"-24" (25 cm-61 cm)  
Depths: 10"-24" (25 cm-61 cm)

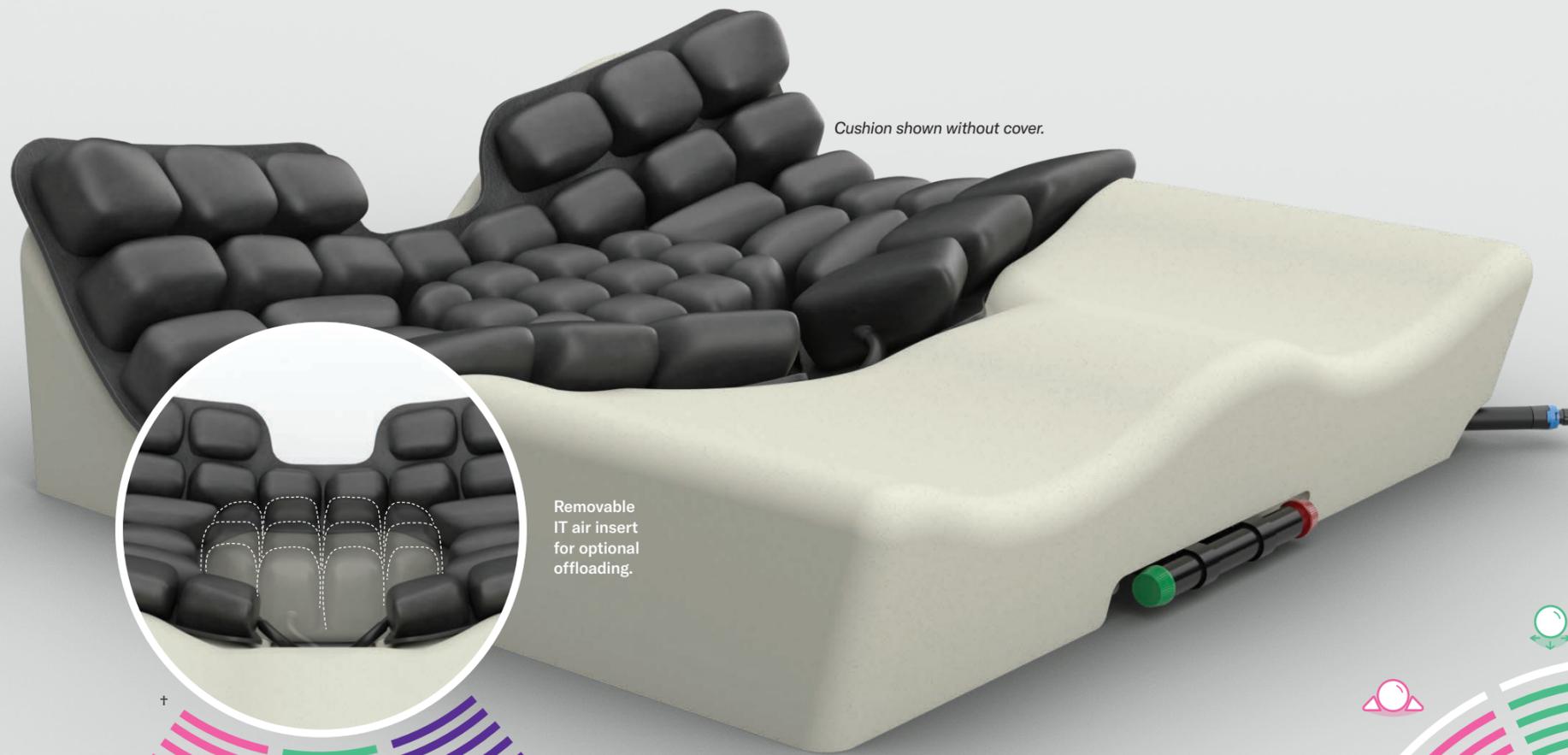
\*For full size listing, please see the Cushion Sizing and Ordering Guide or [permobil.com](http://permobil.com).

ATI Insert brings customization to both the Embrace and the M2 cushions.



Moldable fingers bend easily to contort the cushion to adapt to changes in need.





Cushion shown without cover.

Removable IT air insert for optional offloading.



Breathable mesh fabric for temperature and moisture control

## ROHO Hybrid Select

### E2624

The Hybrid Select is our most advanced hybrid cushion that provides you with superior positioning and stability, plus the ability to offload by simply removing the IT air insert. You can easily find the right position for optimal immersion and skin protection by utilizing the exclusive ISOFLO Memory Control. This technology allows you to set the amount of air in the three separate ROHO compartments—the removable IT insert and the dual-zone overlay. The Hybrid Select also uses the positioning capabilities of a contoured, high resiliency foam base with deep leg troughs to offer you support, lateral stability, and provide relief to the coccyx.

### Key benefits:

- stabilizes and holds the position of your pelvis and thighs
- unique ROHO air cell design specifically crafted to work with the deeper curves of the contoured foam base
- delivers skin and soft tissue protection, with optional offloading under the ischial tuberosities (ITs)
- easy to set up

Sizes\* Widths: 14"-20" (35.5 cm-51 cm)  
Depths: 14"-20" (35.5 cm-51 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.

## Vicair® Vector O2

### E2624/E2625

Vector O2, with nine adjustable compartments, provides you with stability, as well as the ability to offload so you can protect your ITs and coccyx. The unique layout of this skin protection and positioning cushion provides comfort and pelvic stability. The Vector O2 front compartments provide leg alignment and can be adjusted for your individual positioning needs. This breathable cushion is made with mesh fabric and helps you with temperature and moisture control. The Vector O2 is 100% machine washable.

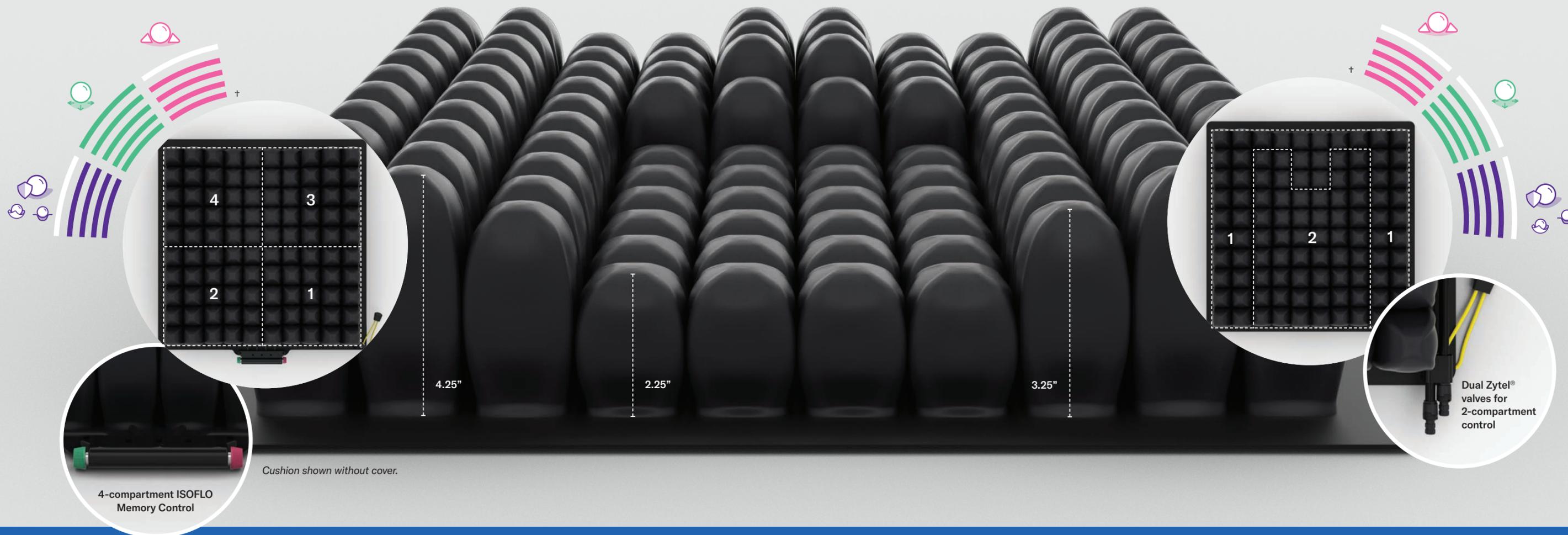
### Key benefits:

- nine adjustable compartments for stability
- positioning of the thighs
- temperature and moisture regulation
- fully machine washable

Sizes\* Widths: 14"-24" (35.5 cm-61 cm)  
Depths: 14"-22" (35.5 cm-56 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.





## ROHO CONTOUR SELECT®

### E2624/E2625

Designed for positioning and posture, the CONTOUR SELECT keeps you centered in the middle of the cushion, with your pelvis back in the wheelchair. It comes with the same clinically advanced features and technology as the QUADTRO SELECT, but has multiple cell heights. These varying heights help guide your thighs into the leg channeling paths, and keep you in an upright posture. With the exclusive ISO-FLO Memory Control you can lock air into the four separate compartments, providing the stability and positioning you need, and minimizing side-to-side and front-to-back motion.

### Key benefits:

- positions you left and right, and front and back
- stabilizes and hold the position of your pelvis and thighs
- delivers skin and tissue protection, with additional relief under the ischial tuberosities (ITs)
- easy to set up

Sizes\* Widths: 14.5"-24.5" (36.5 cm-62.2 cm)  
Depths: 15.25"-22" (38.5 cm-56 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.

## ROHO ENHANCER®

### E2624/E2625

The ENHANCER is an anatomically pre-shaped ROHO air cushion that helps direct your pelvis into the back well and guides your thighs into the leg channels. This gives you greater sitting stability, especially if you have issues with leg or thigh control. The multiple cell heights are contained within two independent inflation compartments (one for the ischial well and leg trough, the other for the lateral and medial thigh supports). This helps to keep your pelvis and legs in position, while still providing optimal skin and soft tissue protection. The ENHANCER also includes the option to offload your ITs.

### Key benefits:

- stabilizes and holds your pelvis centrally
- provides control of greater trochanter and femur alignment
- delivers skin and tissue protection
- easy to set up

Sizes\* Widths: 14.75"-20" (37.5 cm-50.5 cm)  
Depths: 14.75"-20" (37.5 cm-50.5 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.



## Better materials, better fit

Quality materials mean better results. Our seating and positioning products are based on years of experience, development, and testing.



### Comfort Embrace

#### E2607/E2608

The Embrace provides you with comfort and skin protection thanks to the combination of two layers of foam: a contoured molded base, along with a layer of memory foam. Like the M2, it offers you positioning support with its deep lateral and medial leg contours, while the tapered leg adductors give you pelvic stability. It is also available in two different styles: Anti-Thrust and Zero Elevation.



#### Key benefits:

- promotes postural alignment and pelvic stability
- tapered leg adductors increase in width near the back of the cushion
- upgrade available with an embedded GlideWear™ shear reduction zone in the cover

Sizes\* Widths: 10"-24" (25cm-61cm)  
 Depths: 10"-24" (25cm-61cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.



**ROHO**  
**HYBRID ELITE®**  
**Dual Compartment**

**E2622/E2623**

The HYBRID ELITE Dual Compartment cushion combines the unique properties of ROHO air cells with the supportive features of foam, in one cushion. The air insert provides you with pressure redistribution around the pelvis thanks to the two independent, adjustable air compartments that let you set inflation levels to your shape and ideal position. Meanwhile, the cushioned foam channels hold your legs in place, and provides you with a firm base for sitting stability.

**Key benefits:**

- ideal for lateral positioning and lateral stability
- stabilizes and holds the position of the pelvis and thighs

Sizes\* Widths: 13.75"-23.75" (35 cm-60 cm)  
Depths: 14.75"-22.75" (37.5 cm-58 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.



**ROHO**  
**HYBRID ELITE SR®**  
**Single Compartment**

**E2622/E2623**

The HYBRID ELITE SR Single Compartment cushion also combines air and foam in one cushion and is designed for individuals whose primary need is stability. When sitting on the cushion, your pelvis is held and protected with the air insert, and the thighs are aligned with the contoured foam leg channels. Using the available Smart Check device, you can inflate your cushion to the proper level and check it whenever you like with the simple push of a button.

**Key benefits:**

- stabilizes pelvis and thighs for ideal positioning
- easy to set up and can be used with the optional Smart Check device (for set up and monitoring)

Sizes\* Widths: 13.75"-23.75" (35 cm-60 cm)  
Depths: 14.75"-22.75" (37.5 cm-58 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.



**Vicair®**  
**Active O2**

**E2624/E2625**

Active O2 offers the combination of an ergonomically shaped foam and Vicair SmartCells. The foam front helps make transfers easier, and the four rear adjustable compartments provide comfort, skin protection, and reduces pressure in the IT/coccyx area. This breathable cushion made with mesh fabric helps you with temperature and moisture control, increases comfort, and is machine washable.

**Key benefits:**

- provides lateral and frontal stability
- temperature and moisture regulation

Sizes\* Widths: 14"-24" (35.5 cm-61 cm)  
Depths: 14"-22" (35.5 cm-56 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.



**Vicair®**  
**Adjuster O2**

**E2622/E2623**

Adjuster O2, with five adjustable compartments, is ideal for managing pelvic asymmetry, and the pre-ischial shelf helps minimize sliding forward. This skin protection cushion provides support for your IT/coccyx area, redistributes pressure over a larger surface area, and offers you stability and comfort. This breathable cushion made with mesh fabric helps you with temperature and moisture control, and is 100% machine washable.

**Key benefits:**

- assists with managing pelvic asymmetry and suitable for amputations
- temperature and moisture regulation

Sizes\* Widths: 14"-24" (35.5 cm-61 cm)  
Depths: 14"-22" (35.5 cm-56 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.





Cushion shown without cover and in Sensor Ready version with Smart Check device.

## Comfort M2

### E2607/E2608

The M2 offers you advanced positioning support with its deep lateral and medial leg contours, while the tapered leg adductors give you pelvic stability. It is constructed with dual density foam, a molded foam base, and a QuadraGel pack to help regulate your body temperature and redistribute pressure for maximum comfort. It comes in two styles based on the support you need: Zero Elevation (same height from front to rear) and Anti-Thrust (with a mild "shelf" at the halfway point to minimize forward migration).

### Key benefits:

- promotes postural alignment and pelvic stability
- coccyx relief cutout minimizes peak pressures
- upgrade available with an embedded GlideWear™ shear reduction zone in the cover

Sizes\* Widths: 10"-24" (25 cm-61 cm)  
Depths: 10"-24" (25 cm-61 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.



## ROHO

## Single Compartment & Single Compartment Sensor Ready

### E2622/E2623

The Single Compartment interconnected air cells allow you to be immersed for maximum pressure redistribution while decreasing friction and shear. These cushions come in three different cell heights depending on your needs and are easy to set up.

With the Sensor Ready version of the cushion, ROHO's exclusive Smart Check\* device can determine the proper inflation level for your cushion and allows you to monitor and adjust it at any time. You get instant feedback and peace of mind knowing that you are protected from skin/soft tissue breakdown.

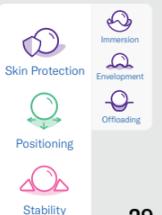
\*Read more about Smart Check in the tech section

### Key benefits:

- easy to set up and can be used with the optional Smart Check (for set up and monitoring)
- available in three different cell heights: HIGH PROFILE® (4.25")/MID PROFILE™ (3.25")/LOW PROFILE® (2.25")
- Sensor Ready available in two different cell heights: HIGH PROFILE® (4.25")/MID PROFILE® (3.25")

Sizes\* Widths: 11.5"-26.75" (29 cm-68 cm)  
Depths: 11.5"-21.75" (29 cm-55 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.



## Our belief

Trust in our solutions. Every Permobil product is engineered with the human body in mind, and proven to provide you with better outcomes and peace of mind.



Cushion shown without cover.

## ROHO nexus SPIRIT®

### E2622

The nexus SPIRIT cushion combines the benefits of ROHO cells with a soft but stable foam base. This enables you to immerse and hold the pelvis with air, while supporting the thighs with contoured foam, and providing you with front-to-back stability.

Sizes\* Widths: 14"-20" (35.5 cm-51 cm)  
Depths: 15.5"-19.5" (39.5 cm-49.5 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.



## Comfort Ascent

### E2603/E2604

The Ascent cushion is a soft and durable seating surface made of layered high resiliency foam. It features a Viscool® foam insert that contours to your body, providing skin protection for ischial areas. With the pelvic, lateral, and medial thigh supports, the Ascent helps keep your posture in alignment.

Sizes\* Widths: 16"-24" (40.6 cm-61 cm)  
Depths: 16"-20" (40.6 cm-50.8 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.



## ROHO AirLITE®

### E2605

The AirLITE cushion is a non-adjustable, maintenance-free foam cushion with a ROHO air insert that conforms to your body while also preventing you from bottoming out in your cushion. The gentle contour of the leg trough helps you maintain the right position and posture, and lets you feel more secure.

**Sizes\*** Widths: 13"-20" (33 cm-51 cm)  
Depths: 13"-20" (33 cm-51 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.



## ROHO MOSAIC®

### E2601

The MOSAIC cushion provides the benefits of interconnected large air cells that allow you to sink comfortably into the cushion. It is an easy to inflate, lightweight cushion that protects your skin and soft tissues.

**Sizes\*** Widths: 16.25"-20.25" (41.5 cm-51.5 cm)  
Depths: 16.25"-18.25" (41.5 cm-46.5 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.



Cushion shown without cover.



## Comfort CURVE

### E2601/E2602

The Curve is a general use cushion featuring high density, molded foam that is ideal for providing comfort. It has a mild, anti-thrust shelf to promote stability, and a medial thigh separator that helps keep your posture in alignment.

**Sizes\*** Widths: 8"-24" (20.3 cm-61 cm)  
Depths: 8"-20" (20.3 cm-50.8 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.



## Comfort ELEMENTS® with Gel

### E2601/E2602

The Elements with Gel is made of a single layer of foam topped with a four compartment QuadraGel pack for comfort.

**Sizes\*** Widths: 16"-24" (40.6 cm-61 cm)  
Depths: 16"-20" (40.6 cm-50.8 cm)

\*For full size listing, please see the Cushion Sizing and Ordering Guide or permobil.com.



# ROHO cushion information

ROHO, Inc.  
1501 South 74th Street  
Belleville, Illinois 62223 USA

## Phone

USA: 800.736.0925  
Fax: 888.551.3449

## Customer support

orders.roho@permobil.com  
permobil.com

## Custom options

For custom options please visit our website or contact customer support.

## Product use and maintenance

ROHO products are user friendly and can be easily used and maintained. A hand pump and operation manual are included with most ROHO products. The operation manual includes setup, care and cleaning instructions, as well as useful information regarding customer support and the product warranty.

## Storage and transport

Clean and disinfect the product before storing. Open the inflation valve(s). Deflate the product. Store the product in a container that protects the product from moisture, contaminants and damage. After storing, follow instructions to prepare the product for use. After transport, inspect the product to ensure it was not damaged.

## Limited warranty

Limited Warranty Term from the date the product was originally purchased: Select Cushions: 36 months; all other DRY FLOATATION products and AirLITE cushion: 24 months; MOSAIC cushion: 12 months. The warranty does not apply to punctures, tears, burns, or misuse. See also the Limited Warranty supplement provided with your product or contact Customer Support.

## Returns

All returns require prior authorization from Permobil and are subject to a restocking charge. Before returning your product, contact our Customer Support department at (800) 736-0925 toll-free or (618) 277-9150 in the U.S. Outside the U.S., contact the nearest ROHO Seating and Positioning International Distributor. See our website (permobil.com) for a current list of distributors.

## Quality management

ROHO, Inc., a part of Permobil Seating and Positioning, takes quality control much further than the FDA model, with its quality management system being certified to ISO 13485:2016.

# Ready to order?

Now that you've got your cushion ideas in mind, check out our *Cushion Ordering and Sizing Guide* for help measuring and purchasing your Permobil cushion.

# Comfort cushion information

The Comfort Companies, LLC  
1960 South Calhoun Road  
New Berlin, Wisconsin 53151 USA

## Phone

USA: 800.736.0925  
Fax: 406.522.8563

## Customer support

orders.comfort@permobil.com  
permobil.com

## Custom options

For custom options please visit our website or contact customer support.

## Product use and maintenance

Comfort products are user friendly and can be easily used and maintained. An operation manual is included with most Comfort products. The operation manual includes setup, care and cleaning instructions, as well as useful information regarding customer support and the product warranty.

## Storage and transport

Clean and disinfect the product before storing. Store the product in a container that protects the product from sunlight, moisture, contaminants and damage.

## Warranty

This product is covered by a lifetime warranty against manufacturer defects. If a manufacturing defect should occur, discontinue use immediately; note that the product will be replaced at no cost to the buyer. Wear from regular use is not considered a manufacturing defect. Replacement parts are available by contacting your supplier, distributor, or retailer.

### The following will void the warranty:

Modifications made in attempt to interface with other products (where compatibility is limited, as described in product manual); alterations made to the product; or defects caused by irregular use.

## Warranty replacement procedure

Warranty claims should be initiated by the original purchaser, who should contact the DME supplier, distributor or retailer from whom the product was purchased, if they are available, or any authorized Permobil DME supplier, distributor or retailer. Whenever possible, the DME supplier, distributor or retailer with a warranty issue should contact Customer Support and provide the original purchase order number, sales order number, or invoice number. Before a warranty replacement order or quote may be processed, Customer Support must issue a Return Merchandise Authorization (RMA).

<sup>†</sup>DISCLAIMER: The information provided here is for informational purposes only. It is NOT intended to substitute for the advice of an appropriately qualified and licensed physician, clinician or other healthcare provider. Always seek the advice of your physician, clinician or other healthcare provider with any questions you may have regarding a medical condition.

"Pressure Ulcers." Johns Hopkins Medicine, [www.hopkinsmedicine.org/health/conditions-and-diseases/pressure-ulcers](http://www.hopkinsmedicine.org/health/conditions-and-diseases/pressure-ulcers).

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Vicair® is a registered trademark of Vicair BV.  
Viscool® is a registered trademark of American Excelsior Company.

“ The combination of my  
TiLite Wheelchair & ROHO®  
Cushion gives me the  
ability to live life to the  
fullest.

— Charlie Ray Howell, Permobil user

