

matrx[®]
SEATING SERIES

MX2 Backrest



**Specially engineered carbon Fiber
providing unmatched stability for the
ultimate performance**



Yes, you can.

Designed for active users, the **MX2** is an ultra-lightweight backrest with a fresh look and attractive design. A stylish add-on to any lightweight manual wheelchair, the **MX2** offers exceptional support to the lower trunk and pelvis, adding comfort and stability for optimised function – whether it be to self-propel or engage in day to day activities.

With the **MX2**, you have it all – aesthetics, support, comfort and functionality.



Lightweight carbon fiber shell

The **MX2** has been specially designed using several layers of carbon fiber to optimise flex and shock absorption. This means that the backrest will have the flexibility to accommodate the users’ movements whilst helping to keep them in a midline position; which is exactly what an active user needs – stable freedom of movement. It will also play a major role in vibration dampening, especially when combined with the carbon fixation hardware, which enables users to ride more comfortably.

The perfect shape

The **MX2** offers a 76 mm depth of anatomical contouring for enhanced lateral stability and immersion of the trunk. Lateral cutouts for the hips allow increased freedom of movement; ideal when leaning laterally for pressure relief or when reaching to pick up objects. The scapula cutout allows for freedom of movement of the shoulder blade, without compromising on support, allowing the user to self-propel efficiently, even with a higher back.



Features and options

Back shell

- Available in four heights and five widths allowing everyone to find a perfect match
- Cutouts for breathability to help manage microclimate
- Slotted design to allow height adjustments even when the user is in the chair
- Breathable Spacetex cover – backrests 230 mm or higher come with leatherette side panels
- Oversized foam for enhanced comfort and protection



Easy fit hardware

The **MX2** comes available with two types of hardware – Fixed Mount or Quick Release – both allowing for 3D adjustment in:

- Height
- Depth (76 mm with Fixed Hardware; 108 mm with Quick-release Hardware) and Angle (+/- 15° stepless)
- Rotation

The backrest hardware is also width adjustable, allowing the backrest to be fitted to wheelchairs that are up to 25 mm narrower or wider than the actual backrest width – an ideal feature for those with a wider back and narrower hips, or a narrow back and wider hips. All of these adjustment possibilities ensure a precise fit and positioning in every rigid or foldable frame wheelchair with a backrest tube diameter of 19 mm, 22 mm and 25 mm.



Fixed mount

Constructed with a carbon fiber plate to reduce overall weight.

Quick release

Easy to remove for portability.



Features and options

Privacy flap

An optional privacy flap which covers the opening between the seat and back.



Positioning Pad









A lumbar pad is included as standard, providing lower back support for those who need additional comfort.

MX2 Deep Laterals

Provide extra mid-line support and stability - 85mm of extra deep contour to the standard backrest contour.
Pad 140 mm H x 76 mm L

Technical data

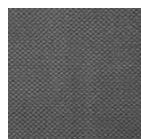
For more comprehensive pre-sales information about this product, including the product's user manual, please see your local Invacare website.

	Width	Height	Angle adjustment	Depth adjustment	Total product weight	Cover cleaning temperature	Max. user weight	Limited warranty
								
Matrx MX2	355, 380, 405, 430, 455 mm	150, 230, 310, 410 mm	+/- 15°	76 mm ¹ 108 mm ²	starting 770 gr and up (with fixed hardware included)	60°	113 kg	2 years

1. With Fixed Hardware
2. With Quick Release Hardware

Colour

Mesh Tex fabric



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Yes, you can.®

matrx[®]
SEATING SERIES

E2 Back Series



Invacare[®] **Matrx[®] E2[™] Back Series**

INNOVATION | COMFORT | FREEDOM



Yes, you can.

Posture Support to enable independent mobility

The new **E2 Back Support** is our latest innovation in seating, offering maximum postural support for those with reduced mobility. With a pin assembly function for effortless mounting, the **E2 Back Support** is also available in a wider range of widths and heights to ensure maximum fit. The new leading edge Ripple Foam technology provides temperature control and enhanced immersion for the most comfortable support ever.

Ergonomic Design

The new ergonomic design increases support and pressure distribution to ensure a more precise and comfortable fit. The design has been contoured to support the pelvis and allow clearance of the hips to increase stability and balance.



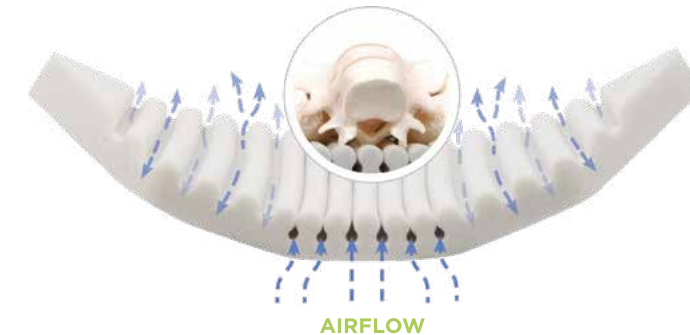
Back Shell

- ▶ Cutouts for airflow
- ▶ Vertical slots for Hardware attachment
- ▶ Coccyx notch
- ▶ Pre-drilled for PostureFlex Abdominal support



Ripple Foam Technology

The rippled foam surface increases airflow for breathability, temperature control and moisture reduction. The high resilience foam provides the spinal relief area with enhanced immersion and shear reduction.



AIRFLOW

Cover

- ▶ Moisture resistant and breathable Meshtex™ outer cover
- ▶ Foam and cover overlap the shell for protection and comfort



Mounting Pin Assembly

The back supports are mounted onto the chair and secured with an easy adjust mounting pin assembly. The flexible hardware is designed to match the needs of a range of body shapes and sizes, and can even be adjusted when the user is seated. It can also be positioned to avoid frame obstacles - such as arm supports and rigidizer bars etc.



Mounting Pins

- ▶ Height and width adjustable
- ▶ Fits chairs same as model width or 2.5cm wider / narrower
- ▶ Back height can be adjusted even with user seated in back
- ▶ Hardware can be positioned to avoid frame obstacles like arm supports and rigidizer bars
- ▶ MiniSet interface standard on back heights up to 41cm, EasySet interface standard on 46/51cm back heights

The Matrix E2 Back Support is available in two contour depths



▲ **E2 Back**
E2 Standard - 8cm Contour

▲ **E2 Deep Back**
E2 Deep - 15cm Contour

Product Specifications

- ▶ Width: 36/38/41/43/46/48/51cm
- ▶ Height: **NEW 15/20/26/31/36/41/46/51cm**
- ▶ Weight Capacity: 136kg.



Easy Fix Laterals

- ▶ Fixed laterals can be installed inside or outside of the back shell
- ▶ Height adjustable in vertical slot, can be offset
- ▶ Compatible with E2 standard contour backs 26cm and higher

Inside Mount Outside Mount



Swing Away Laterals

- ▶ Standard compatible with E2 backs 26cm and higher, offset with backs 31cm and higher
- ▶ Available in 4 pad sizes: XS / S / M / L



▲ BackBone

Sacro lumbar support targets pelvis to promote an upright posture.

- Contoured anatomical PSIS/ Sacrolumbar Support.
- Can be trimmed to desired size.
- Molded in loop fastener for attachment to back shell and ease of adjustment.



▲ Matrix Protect Slip Cover

To protect the backrest. Can be wiped clean with approved disinfectant wipes for greater hygiene. Easy to apply and remove for laundering.



▲ PostureFlex Abdominal Support

Designed to increase intra-abdominal pressure for enhanced voice and breath control. Provides comfortable upright postural support with flexible stretch for functional activities.

Easy keyhole attachment

- 3 mounting heights available in pre-drilled holes on back shell.
- Available in 2 sizes: M / L
- Optional quad release tab for easy independent application and removal of PostureFlex



▲ Headrest Interface Plate

Lightweight and low profile headrest attachment plate can be installed without cover removal. Included with all backs 36cm and higher. Optional extra strong steel headrest mount for extreme tone or heavy use applications.



▲ Shoulder Strap Interface Plate

Interface plate for precise placement of Strap Guides.

Models:

E2CHI-S: 36/38cm W backs
E2CHI-M: 41 to 51cm W backs



▲ Matrix Privacy Flaps

Can be attached to the backrest with a pre-sewn loop strip located across the bottom rear of cushion cover.

Available in 4 sizes:
XS / S / M / L

Full range of hardware mounts ▼

for different applications and greater compatibility with our wheelchair range

Standard Hardware



MiniSet:

- Standard on all E2/E2D backs up to 41cm high



EasySet:

- Standard on all E2/E2D backs 46cm & 51cm

Optional Hardware



Fixed MiniSet:

- Permanent mount requires tools for removal, recommended for tilt/recline applications
- Optional for E2/E2D backs up to 41cm high



Fixed EasySet:

- Permanent mount requires tools for removal, recommended for tilt/recline applications
- Optional for E2/E2D Deep backs with Easy Set Mounting Pin Interface only (46 & 51cm high)



Split:

- Allows clearance of frame obstacles, quick release
- Optional for E2/E2D backs with Easy Set Mounting Pin Interface only, not compatible with MiniSet



Heavy-Duty MiniSet:

- Recommended for users with high tone or heavy use
- Quick release



Heavy-Duty EasySet:

- Recommended for users with high tone or heavy intended use

Adjustments: Angle (40°), depth (5cm in front or behind back canes), can be offset to accommodate rotation.

Fits: 2.5cm back canes, inserts for 1.9cm and 2.2cm back canes included

Build a family of seating products

Invacare also offers a complete range of seating products to complement your E2 back support.



Bodypoint belt



Invacare Matrix® Libra cushion



Invacare Matrix® Elan Headrest



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matrx[®]
SEATING SERIES

Seating Series



Yes, you can...
and it's never been easier!



Yes, you can.®

With the number of new seating and positioning products available today, it is only natural to choose the products that you know best. The *Invacare Matrix Seating Series* combined with Invacare’s wide range of seat cushions provides you with a solution which is highly effective in meeting the widest range of user needs. This brochure is your source for the *Invacare Matrix Seating Series*.

Invacare is committed to providing you with products that exceed your expectations. As the landscape of seating changes, Invacare’s dedication to innovation, quality and, most of all, your comfort will stay the same.

Invacare **Matrix® Elite Back**



The *Invacare Matrix Elite Back* is designed to provide precise orientation within the wheelchair for optimal postural support. The attractive, lightweight design appeals to users with active lifestyles.

8 cm Contour Depth



Sacral/
lumbar
support

Outer cover:

- Oversized cover/foam for extra comfort and protection
- Moisture resistant and breathable
- Includes removable lumbar positioning pad

Hardware (ordered separately):

- Hardware installed and adjusted in minutes – adjustments can be made while user is seated in the wheelchair
- Easy Set, Split or Fixed mounting hardware available
- Refer to Hardware page 8

Back shell:

- Stylish and breathable back shell
- Lightweight - most models under 1.36 kg

Sacral/lumbar support:

- Includes removable positioning pad

* Optional Full Back style - no scapular cut-outs

Product Code	Width	Height	Fits Wheelchair Width
PBE3126NH	31 cm	26 cm	31-33 cm
PBE3131NH	31 cm	31 cm	31-33 cm
PBE3136NH	31 cm	36 cm	31-33 cm
PBE3141NH	31 cm	41 cm	31-33 cm
PBE3146NH	31 cm	46 cm	31-33 cm
PBE3326NH	33 cm	26 cm	33-36 cm
PBE3331NH	33 cm	31 cm	33-36 cm
PBE3336NH	33 cm	36 cm	33-36 cm
PBE3341NH	33 cm	41 cm	33-36 cm
PBE3346NH	33 cm	46 cm	33-36 cm
PBE3626NH	36 cm	26 cm	36-38 cm
PBE3631NH	36 cm	31 cm	36-38 cm
PBE3636NH	36 cm	36 cm	36-38 cm
PBE3641NH	36 cm	41 cm	36-38 cm
PBE3646NH	36 cm	46 cm	36-38 cm
PBE3651NH	36 cm	51 cm	36-38 cm
PBE3826NH	38 cm	26 cm	38-41 cm
PBE3831NH	38 cm	31 cm	38-41 cm
PBE3841NH	38 cm	41 cm	38-41 cm
PBE3846NH	38 cm	46 cm	38-41 cm
PBE3851NH	38 cm	51 cm	38-41 cm

Product Code	Width	Height	Fits Wheelchair Width
PBE4126NH	41 cm	26 cm	41-43 cm
PBE4131NH	41 cm	31 cm	41-43 cm
PBE4141NH	41 cm	41 cm	41-43 cm
PBE4146NH	41 cm	46 cm	41-43 cm
PBE4151NH*	41 cm	51 cm	41-43 cm
PBE4326NH	43 cm	26 cm	43-46 cm
PBE4331NH	43 cm	31 cm	43-46 cm
PBE4341NH	43 cm	41 cm	43-46 cm
PBE4346NH	43 cm	46 cm	43-46 cm
PBE4351NH*	43 cm	51 cm	43-46 cm
PBE4626NH	46 cm	26 cm	46-48 cm
PBE4631NH	46 cm	31 cm	46-48 cm
PBE4641NH	46 cm	41 cm	46-48 cm
PBE4646NH	46 cm	46 cm	46-48 cm
PBE4651NH*	46 cm	51 cm	46-48 cm
PBE4826NH	48 cm	26 cm	48-51 cm
PBE4831NH	48 cm	31 cm	48-51 cm
PBE4841NH	48 cm	41 cm	48-51 cm
PBE4846MH	48 cm	46 cm	48-51 cm
PBE4851NH*	48 cm	51 cm	48-51 cm
PBE5126NH	51 cm	26 cm	51-53 cm
PBE5131NH	51 cm	31 cm	51-53 cm
PBE5141NH	51 cm	41 cm	51-53 cm
PBE5146NH	51 cm	46 cm	51-53 cm
PBE5151NH*	51 cm	51 cm	51-53 cm

Invacare **Matrix Elite Deep Back**



The *Invacare Matrix Elite Deep Back* is designed with lateral supports to provide trunk support while allowing clearance for the shoulders and hips. Offers mid-line guidance from deep laterals with a slim design to enable functionality.

16 cm Contour Depth



Sacral/lumbar support

Product Code	Width	Height	Fits Wheelchair Width
EDB3631NH	36 cm	31 cm	36-38 cm
EDB3641NH	36 cm	41 cm	36-38 cm
EDB3646NH	36 cm	46 cm	36-38 cm
EDB3651NH	36 cm	51 cm	36-38 cm
EDB3831NH	38 cm	31 cm	38-41 cm
EDB3841NH	38 cm	41 cm	38-41 cm
EDB3846NH	38 cm	46 cm	38-41 cm
EDB3851NH	38 cm	51 cm	38-41 cm
EDB4131NH	41 cm	31 cm	41-43 cm
EDB4141NH	41 cm	41 cm	41-43 cm
EDB4146NH	41 cm	46 cm	41-43 cm
EDB4151NH	41 cm	51 cm	41-43 cm
EDB4331NH	43 cm	31 cm	43-46 cm
EDB4341NH	43 cm	41 cm	43-46 cm

Outer cover:

- Oversized cover/foam for extra comfort and protection
- Moisture resistant and breathable
- Includes removable lumbar positioning pad

Hardware (ordered separately):

- Hardware installed and adjusted in minutes – adjustments can be made while user is seated in the wheelchair
- Easy Set, Split or Fixed mounting hardware available
- Refer to Hardware page 8

Back shell:

- Stylish and breathable back shell
- Lightweight - most models under 1.81 kg

Sacral/lumbar support:

- Includes removable positioning pad

Deep	
Width	36 cm, 41 cm, 43 cm, 46 cm, 51 cm
Height	31 cm, 41 cm, 46 cm, 51 cm
Weight capacity	136 kg

Product Code	Width	Height	Fits Wheelchair Width
EDB4346NH	43 cm	46 cm	43-46 cm
EDB4351NH	43 cm	51 cm	43-46 cm
EDB4631NH	46 cm	31 cm	46-48 cm
EDB4641NH	46 cm	41 cm	46-48 cm
EDB4646NH	46 cm	46 cm	46-48 cm
EDB4651NH	46 cm	51 cm	46-48 cm
EDB4831NH	48 cm	31 cm	48-51 cm
EDB4841NH	48 cm	41 cm	48-51 cm
EDB4846NH	48 cm	46 cm	48-51 cm
EDB4851NH	48 cm	51 cm	48-51 cm
EDB5131NH	51 cm	31 cm	51-53 cm
EDB5141NH	51 cm	41 cm	51-53 cm
EDB5146NH	51 cm	46 cm	51-53 cm
EDB5151NH	51 cm	51 cm	51-53 cm

Elite Back Covers

Product Code	Description	Product Code	Description
PBEC3126	Fits PBE3126	PBEC4141	Fits PBE4141
PBEC3131	Fits PBE3131	PBEC4146	Fits PBE4146
PBEC3136	Fits PBE3136	PBEC4151	Fits PBE4151
PBEC3141	Fits PBE3141	PBEC4326	Fits PBE4326
PBEC3146	Fits PBE3146	PBEC4331	Fits PBE4331
PBEC3326	Fits PBE3326	PBEC4341	Fits PBE4341
PBEC3331	Fits PBE3331	PBEC4346	Fits PBE4346
PBEC3336	Fits PBE3336	PBEC4351	Fits PBE4351
PBEC3341	Fits PBE3341	PBEC4626	Fits PBE4626
PBEC3346	Fits PBE3346	PBEC4631	Fits PBE4631
PBEC3626	Fits PBE3626	PBEC4641	Fits PBE4641
PBEC3631	Fits PBE3631	PBEC4646	Fits PBE4646
PBEC3636	Fits PBE3636	PBEC4651	Fits PBE4651
PBEC3641	Fits PBE3641	PBEC4826	Fits PBE4826
PBEC3646	Fits PBE3646	PBEC4831	Fits PBE4831
PBEC3651	Fits PBE3651	PBEC4841	Fits PBE4841
PBEC3826	Fits PBE3826	PBEC4846	Fits PBE4846
PBEC3831	Fits PBE3831	PBEC4851	Fits PBE4851
PBEC3841	Fits PBE3841	PBEC5126	Fits PBE5126
PBEC3846	Fits PBE3846	PBEC5131	Fits PBE5131
PBEC3851	Fits PBE3851	PBEC5141	Fits PBE5141
PBEC4126	Fits PBE4126	PBEC5146	Fits PBE5146
PBEC4131	Fits PBE4131	PBEC5151	Fits PBE5151

Full Back Covers

Product Code	Description
PBEC4151-FB	Fits PBE4151-FB
PBEC4351-FB	Fits PBE4351-FB
PBEC4651-FB	Fits PBE4651-FB
PBEC4851-FB	Fits PBE4851-FB
PBEC5151-FB	Fits PBE5151-FB

Elite Deep Back Covers

Product Code	Description	Product Code	Description
EDBC3631	Fits EDB3631	EDBC4351	Fits EDB4351
EDBC3641	Fits EDB3641	EDBC4631	Fits EDB4631
EDBC3646	Fits EDB3646	EDBC4641	Fits EDB4641
EDBC3651	Fits EDB3651	EDBC4646	Fits EDB4646
EDBC3831	Fits EDB3831	EDBC4651	Fits EDB4651
EDBC3841	Fits EDB3841	EDBC4831	Fits EDB4831
EDBC3846	Fits EDB3846	EDBC4841	Fits EDB4841
EDBC3851	Fits EDB3851	EDBC4846	Fits EDB4846
EDBC4131	Fits EDB4131	EDBC4851	Fits EDB4851
EDBC4141	Fits EDB4141	EDBC5131	Fits EDB5131
EDBC4146	Fits EDB4146	EDBC5141	Fits EDB5141
EDBC4151	Fits EDB4151	EDBC5146	Fits EDB5146
EDBC4331	Fits EDB4331	EDBC5151	Fits EDB5151
EDBC4341	Fits EDB4341		
EDBC4346	Fits EDB4346		

Please note, dimensions have been rounded to the nearest centimetre for your convenience. For more accurate dimensions in millimetres please see Technical Specifications on pages 10 and 11.

Lateral Options for Matrix Elite Back



Fixed

6 cm of vertical adjustment on back shell. Mount inside back shell without interfering with depth/angle adjustment. Available in standard Length 19cm x Height 13cm and pediatric Length 14cm x Height 8cm sizes.

- **PBLS-L** Standard Left Lateral (each) complete with Pad (19 cm L x 13 cm H).
- **PBLS-R** Standard Right Lateral (each) complete with Pad (19 cm L x 13 cm H).
- **PBSS-L** Small Left Lateral (each) complete with Pad (14 cm L x 8 cm H).
- **PBSS-R** Small Right Lateral (each) complete with Pad (14 cm L x 8 cm H).



Offset Fixed

Provides an additional 8 cm of vertical position (higher or lower) relative to mounting slots. Available L - 19cm x H - 13cm.

- **PBOL-L** OR **PBOL-R** Offset Left or Right Fixed Lateral complete with Pad (each).



Swing-Away

6 cm of vertical adjustment on back pan. Mount inside back shell without interfering with depth/angle adjustment. Easy push button release 4 pad sizes. Swings completely behind back. Does not interfere with flip-back arms. Pads ordered separately (see below).

- **SAHEB** Left or Right Swing Away Lateral (each).



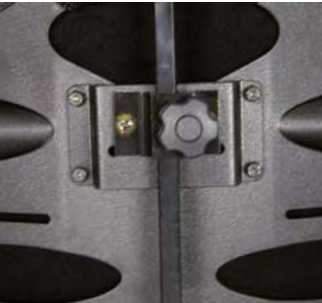
Offset Swing-Away

Provides an additional 8 cm of vertical position (higher or lower). Mount inside back shell without interfering with depth/angle adjustment. Easy push button release, 4 pad sizes. Pads ordered separately (see 'Lateral Pads' below).

- **OSAH-L** OR **OSAH-R** Offset Left or Right Swing Away Lateral (each).

Please note, dimensions have been rounded to the nearest centimetre for your convenience. For more accurate dimensions in millimetres please see Technical Specifications on pages 10 and 11.

Headrest options



Headrest Adapter

Allows the headrest to be mounted directly onto *Invacare Matrix Elite backs*. Available in 3 sizes.

- Small: For attachment of headrests to Elite Backs 31 cm wide
- Medium: For attachment of headrests to Elite Backs 33 - 43 cm wide
- Large: For attachment of headrests to Elite Backs 46 - 51 cm wide



Soft Pad Headrest Kit - PHRK

- Multi-Axis hardware
- Dual pivot balls for pad orientation
- Depth adjustable through horizontal slide bar
- 25 cm soft pad



Headrest Cutout Reinforcement

The *Matrix PB and Elite Backs* are prepared for the easy attachment of headrests through pre-drilled holes and a cutout area on the upholstery of the outer cover. This will prevent fraying of the fabric as well as allow easy removal of the cover for laundering without having to remove the headrest attachment plate.



Lateral Pads

To be used in conjunction with SwingAway and Offset SwingAway Laterals (for *Elite Back*):

- **EPAD-XS** Extra Small 11 cm (L) x 8 cm (W) (each).
- **EPAD-S** Small 13 cm (L) x 9 cm (W) (each).
- **EPAD-M** Medium 15 cm (L) x 10 cm (W) (each).
- **EPAD-L** Large 17 cm (L) x 11 cm (W) (each).

Invacare **Matrx PB Back**



The *Invacare **Matrx PB Posture Back*** is contoured to provide midline support and positioning. The extensive range of sizes provides exceptional support and comfort for a variety of customers.

13 cm Contour Depth-standard

Sacral/lumbar support

PB BACK			
Product Code	Width	Height	Fits Wheelchair Width
MPB3631NH	36 cm	31 cm	33-38 cm
MPB3641NH	36 cm	41 cm	33-38 cm
MPB4131NH	41 cm	31 cm	38-43 cm
MPB4141NH	41 cm	41 cm	38-43 cm
MPB4151NH	41 cm	51 cm	38-43 cm
MPB4331NH	43 cm	31 cm	41-46 cm
MPB4341NH	43 cm	41 cm	41-46 cm
MPB4351NH	43 cm	51 cm	41-46 cm
MPB4631NH	46 cm	31 cm	43-48 cm
MPB4641NH	46 cm	41 cm	43-48 cm
MPB4651NH	46 cm	51 cm	43-48 cm
MPB5131NH	51 cm	31 cm	48-51 cm
MPB5141NH	51 cm	41 cm	48-51 cm
MPB5151NH	51 cm	51 cm	48-51 cm

PB BACK COVERS	
Product Code	Description
PBC3631	Fits MPB3631
PBC3641	Fits MPB3641
PBC4131	Fits MPB4131
PBC4141	Fits MPB4141
PBC4151	Fits MPB4151
PBC4331	Fits MPB4331
PBC4341	Fits MPB4341
PBC4351	Fits MPB4351
PBC4631	Fits MPB4631
PBC4641	Fits MPB4641
PBC4651	Fits MPB4651
PBC5131	Fits MPB5131
PBC5141	Fits MPB5141
PBC5151	Fits MPB5151

Foam:

- Moulded foam wraps around shell for maximum comfort and protection

Outer cover:

- Moisture resistant and breathable
- Available in black

Sacral/lumbar support:

- Includes removable positioning pad

Back shell:

- Contoured shell provides exceptional midline support and positioning
- Durable, lightweight ABS back shell includes built-in plate for headrest attachment

Hardware (ordered separately):

- Hardware installed and adjusted in minutes – adjustments can be made while user is seated in the wheelchair
- Easy Set, Split or Fixed mounting hardware available
- Refer to Hardware page 8

Standard	
Width	36 cm, 41 cm, 43 cm, 46 cm, 51 cm
Height	31 cm, 41 cm, 51 cm
Weight Capacity	136 kg

HEAVY DUTY PB BACK		
Product Code		
Back	Cover Only	Fits Wheelchair Width
HDB5141	HDC5141	51-53 cm
HDB5151	HDC5151	51-53 cm
HDB5641	HDC5641	56-59 cm
HDB5651	HDC5651	56-59 cm
HDB6141	HDC6141	61-64 cm
HDB6151	HDC6151	61-64 cm

Heavy-Duty	
Width	51 cm, 56 cm, 61 cm
Height	41 cm, 51 cm
Weight Capacity	227 kg

Extra Wide	
Width	61-76 cm
Height	41 cm, 51 cm
Weight Capacity	227 kg

Invacare **Matrx PB Deep Back**



The *Invacare **Matrx PB Deep back*** is contoured to provide increased midline support and positioning. Provides the same features as the standard Posture Back with increased contour depth for more midline guidance and positioning.

18 cm Contour Depth-deep

Sacral/lumbar support

PB DEEP BACK			
Product Code	Width	Height	Fits Wheelchair Width
PBD3631NH	36 cm	31 cm	33-38 cm
PBD3641NH	36 cm	41 cm	33-38 cm
PBD4131NH	41 cm	31 cm	38-43 cm
PBD4141NH	41 cm	41 cm	38-43 cm
PBD4151NH	41 cm	51 cm	38-43 cm
PBD4331NH	43 cm	31 cm	41-46 cm
PBD4341NH	43 cm	41 cm	41-46 cm
PBD4351NH	43 cm	51 cm	41-46 cm
PBD4631NH	46 cm	31 cm	43-48 cm
PBD4641NH	46 cm	41 cm	43-48 cm
PBD4651NH	46 cm	51 cm	43-48 cm
PBD5131NH	51 cm	31 cm	48-53 cm
PBD5141NH	51 cm	41 cm	48-53 cm
PBD5151NH	51 cm	51 cm	48-53 cm

PB DEEP BACK COVERS	
Product Code	Description
DMC3631	Fits PBD3631
DMC3641	Fits PBD3641
DMC4131	Fits PBD4131
DMC4141	Fits PBD4141
DMC4151	Fits PBD4151
DMC4331	Fits PBD4331
DMC4341	Fits PBD4341
DMC4351	Fits PBD4351
DMC4631	Fits PBD4631
DMC4641	Fits PBD4641
DMC4651	Fits PBD4651
DMC5131	Fits PBD5131
DMC5141	Fits PBD5141
DMC5151	Fits PBD5151

Foam

- Molded foam wraps around shell for maximum comfort and protection

Outer cover:

- Moisture resistant and breathable
- Available in black

Sacral/lumbar support:

- Includes removable positioning pad

Back shell:

- Contoured shell (standard/deep) provides exceptional midline support and positioning
- Durable, lightweight ABS back shell includes built-in plate for headrest attachment

Hardware (ordered separately):

- Hardware installed and adjusted in minutes – adjustments can be made while user is seated in the wheelchair
- Easy Set, Split or Fixed mounting hardware available
- Refer to Hardware page 8

Deep	
Width	36 cm, 41 cm, 43 cm, 46 cm, 51 cm
Height	31 cm, 41 cm, 51 cm
Weight Capacity	136 kg

HEAVY DUTY PB DEEP BACK		
Product Code		
Back	Cover Only	Fits Wheelchair Width
DHD5141	DDC5141	51-53 cm
DHD5151	DDC5151	51-53 cm
DHD5641	DDC5641	56-59 cm
DHD5651	DDC5651	56-59 cm
DHD6141	DDC6141	61-64 cm
DHD6151	DDC6151	61-64 cm

Heavy-Duty	
Width	51 cm, 56 cm, 61 cm
Height	41 cm, 51 cm
Weight Capacity	227 kg

Extra Wide	
Width	61-76 cm
Height	41 cm, 51 cm
Weight Capacity	227 kg

Please note, dimensions have been rounded to the nearest centimetre for your convenience. For more accurate dimensions in millimetres please see Technical Specifications on pages 10 and 11.

Please note, dimensions have been rounded to the nearest centimetre for your convenience. For more accurate dimensions in millimetres please see Technical Specifications on pages 10 and 11.

Invacare **Matrx Hardware**

The *Invacare **Matrx Easy Set hardware*** is easily installed in minutes, and all adjustments can be made with the user seated in the wheelchair.



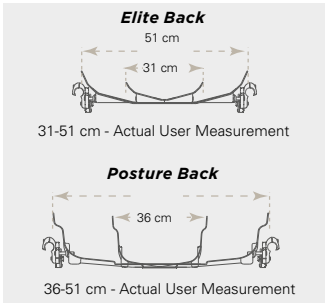
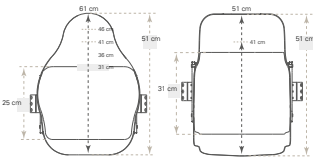
Key Features and Functional Benefits

- Quick release for easy portability
- Infinite adjustment of depth 10.2 cm, angle (40°) and rotation
- Fits 1.9 cm, 2.2 cm and 2.5 cm diameter canes

Optional Privacy Flap Attachment

All **Matrx PB Backs**, **Matrx Elite Backs** and **Matrx MX1 Backs** include loop fasteners for easy addition of the optional Privacy Flap. Four standard sizes of Privacy Flaps will be available to fit all standard backs from 30.5 to 50.5 cm wide. Model numbers PLAP-XS/S/M/L. **Matrx PB backs** having widths greater than 50.5 cm can be ordered with the Privacy Flaps at time of order.

Features and options



Styles

*Invacare **Matrx backs:*** Elite, Elite Deep, PB and PB Deep are interchangeable on the **Easy Set Hardware**.

Heights

Several back heights available to provide support from low to upper thoracic.

Widths

Backs widths from 28-74 cm are available to provide exact fit for each user.

Contour Depth

Choice of 4 contour depths for appropriate midline support requirements.

Accessories - Mounting Pins

Standard Mounting Pins

Standard mounting pins (included with all *Invacare **Matrx PB/Elite backs***) allow the *Invacare **Matrx PB back*** to fit chairs 2.5 cm narrower or same model width. Allows **Elite Back** to fit chairs the same width

Extended Mounting Pins

Optional extended mounting pins available for *Invacare **Matrx PB & Elite Backs*** (Not available on Heavy Duty PB backs). Allows the back to fit chairs up to 5 cm wider.

Longer Mounting Pins

Longer mounting pins (included with all *Invacare **Matrx PB/Elite backs***) allow the *Invacare **Matrx PB*** and **Elite Backs** to fit chairs 2.5 cm wider



Easy Set Hardware Adjustments



Depth

Adjusts 5 cm behind back canes.



Depth

Adjusts 5 cm in front of back canes.



Angle

20° anterior range of back angle adjustment.



Angle

20° posterior range of back angle adjustment.



Rotation

Back may be orientated to accommodate pelvic/trunk rotation.

Other Mounting Hardware Options



Heavy Duty “Easy-Set” Mounting Hardware

- Standard with Heavy-Duty Posture Backs
- Recommended for users over 136 kg, high tone or heavy use



Fixed Space Saver Mounting Hardware

- Non-Portable
- Requires tools for removal of back from wheelchair
- Saves space for tighter width applications
- Fully adjustable, available as a no charge option



Split Mounting Hardware

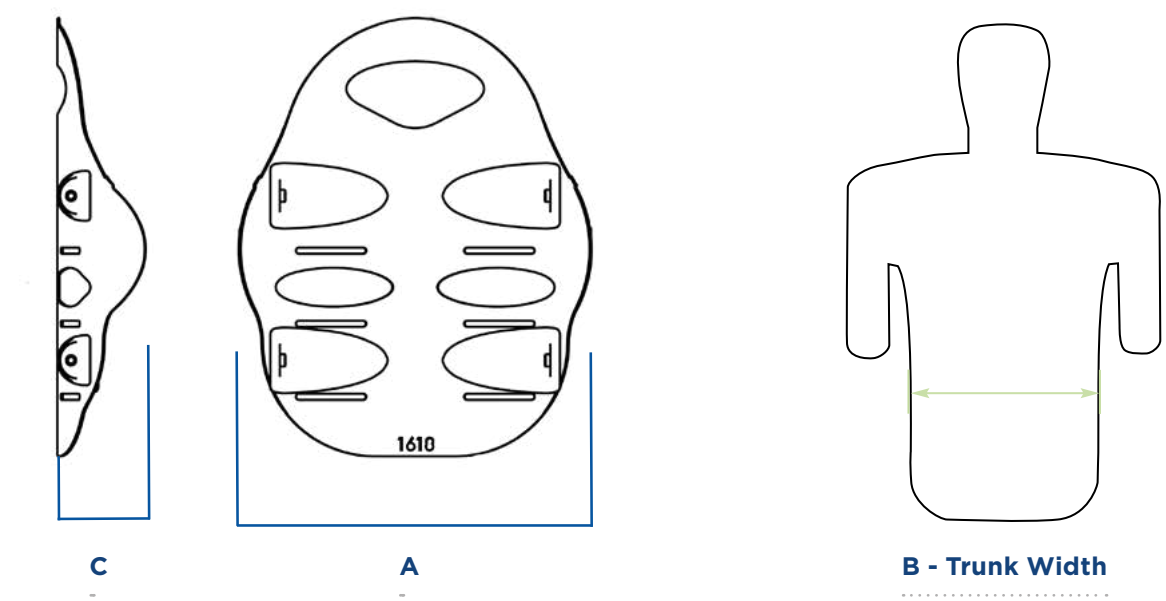
- Provides clearance of mid back cane ridgidizer bars or other impendences on the back canes
- Not recommended for Heavy-Duty Posture backs
- Available as a no charge option



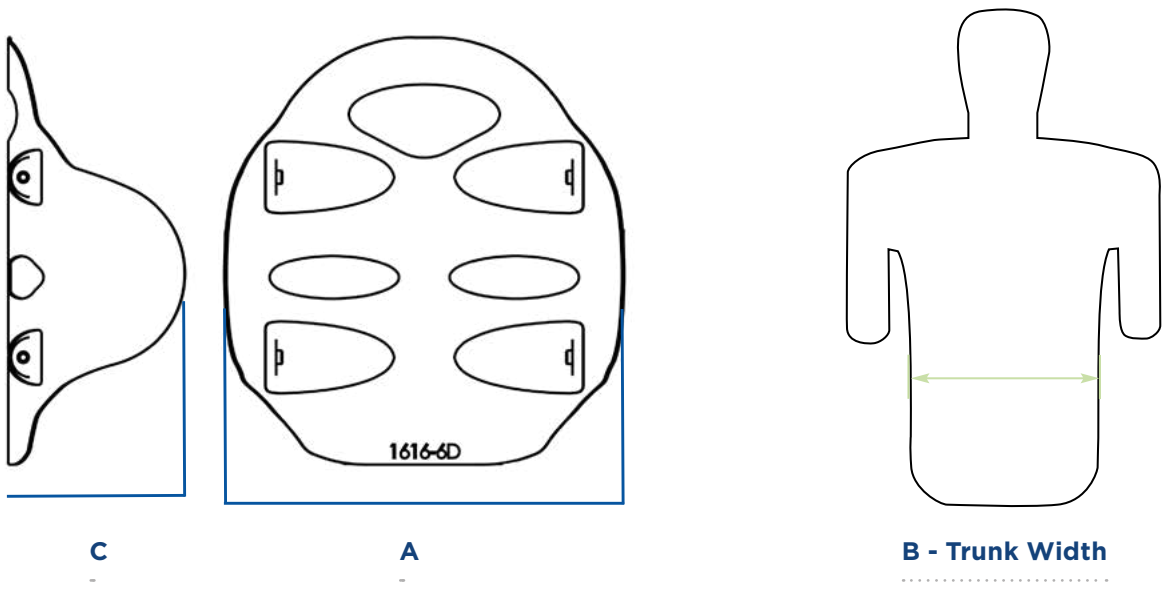
ETAC Mounting Hardware

Mounting Hardware that enables **Matrx backs** to be used with ETAC wheelchairs.

Invacare **Matrx Back Specifications**

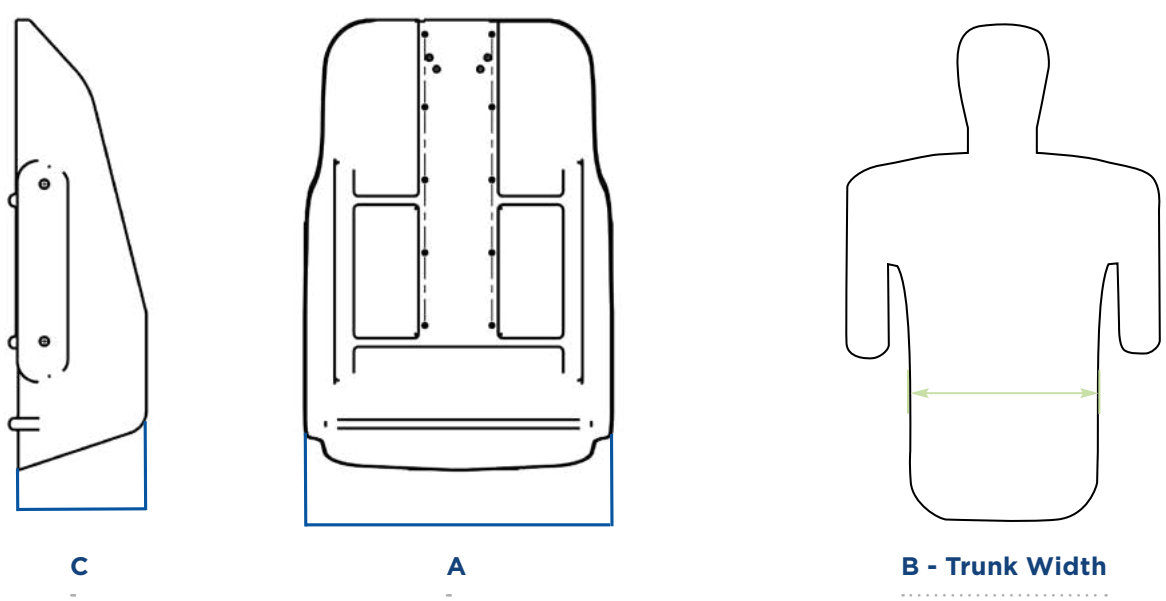


Invacare Matrx Elite Back Support									
Back Height	255 mm, 305 mm, 355 mm (available in 305 mm, 330 mm, and 355 mm widths), 405 mm, 455 mm, 505 mm								
Width	305 mm	330 mm	355 mm	380 mm	405 mm	430 mm	455 mm	480 mm	505 mm
Back Shell Only									
A-Outer Width	245 mm	260 mm	315 mm	340 mm	365 mm	390 mm	415 mm	440 mm	465 mm
C-Contour Depth	76 mm	76 mm	90 mm	90 mm	90 mm	90 mm	90 mm	90 mm	90 mm
Back Shell with Cover & Foam									
B-Trunk Width	175 mm	200 mm	250 mm	275 mm	300 mm	325 mm	350 mm	375 mm	400 mm

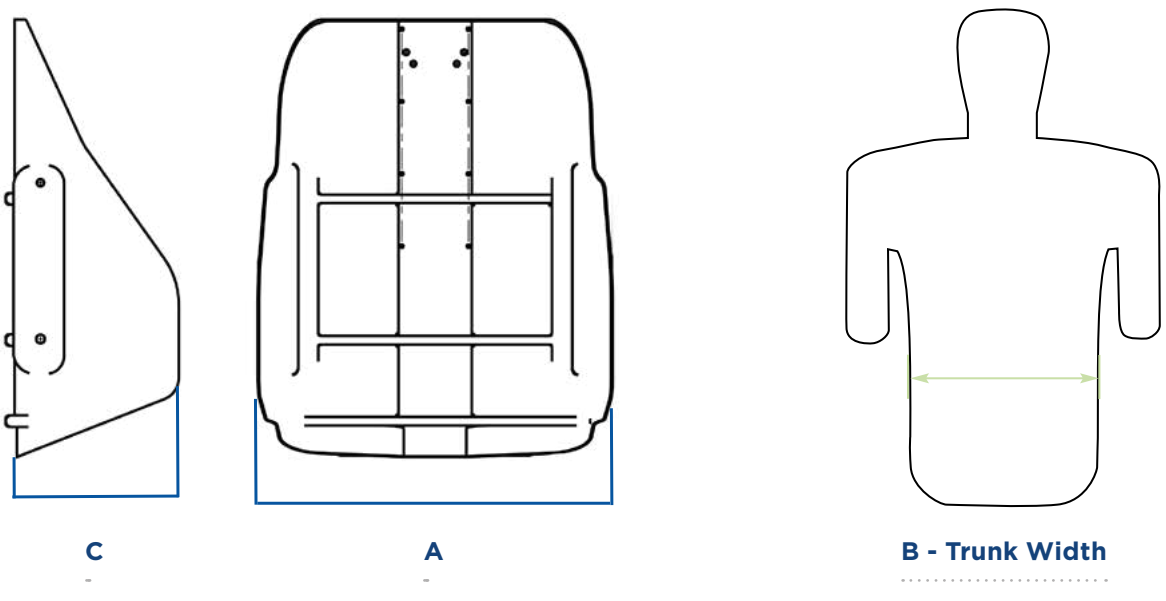


Invacare Matrx Elite Deep Back							
Back Height	305 mm, 405 mm, 455 mm, 505 mm						
Width	355 mm	380 mm	405 mm	430 mm	455 mm	480 mm	505 mm
Back Shell Only							
A-Outer Width	335 mm	360 mm	385 mm	410 mm	435 mm	460 mm	480 mm
C-Contour Depth	155 mm	155 mm	155 mm	155 mm	155 mm	155 mm	155 mm
Back Shell with Cover & Foam							
B-Trunk Width	250 mm	275 mm	300 mm	325 mm	350 mm	375 mm	400 mm
Depth adjustment	100 mm (50 mm in front or behind)						
Angle Adjustment	40 °						
Product Weight	Standard - 1.36 kg Deep - 1.81 kg						
Weight Capacity	136 kg						
Limited Warranty	2 years						

Invacare **Matrx Back Specifications**







Invacare Matrx PB Back					
Back Height	305 mm, 405 mm, 505 mm				
Width	355 mm	405 mm	430 mm	455 mm	505 mm
Back Shell Only					
A-Outer Width	310 mm	360 mm	385 mm	420 mm	465 mm
C-Contour Depth	125 mm	125 mm	125 mm	125 mm	125 mm
Back Shell with Cover & Foam					
B-Trunk Width	230 mm	275 mm	300 mm	330 mm	375 mm



Invacare Matrx PB Deep Back					
Back Height	305 mm, 405 mm, 505 mm				
Width	355 mm	405 mm	430 mm	455 mm	505 mm
Back Shell Only					
A-Outer Width	320 mm	370 mm	395 mm	435 mm	475 mm
C-Contour Depth	178 mm	178 mm	178 mm	178 mm	178 mm
Back Shell with Cover & Foam					
B-Trunk Width	230 mm	275 mm	300 mm	330 mm	375 mm
Depth adjustment	100 mm (50 mm in front or behind)				
Angle Adjustment	40 °				
Product Weight	Standard - 1.81 kg Deep - 2.25 kg				
Weight Capacity	136 kg				
Limited Warranty	2 years				

Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please see your local Invacare website.

	Width	Back shell weight	Max. cleaning temperature	Max. user weight
				
Elite Back	305 - 505 mm	1.36 kg	Cover: 60°	136 kg
Elite Deep Back	305 - 505 mm	1.81 kg	Cover: 60°	136 kg
PB Back	355 - 760 mm	1.81 kg	Cover: 60°	136 kg
PB Deep Back	355 - 760 mm	2.25 kg	Cover: 60°	136 kg
HD PB Back	505 - 610 mm	3.15 kg	Cover: 60°	227 kg
HD PB Deep Back	505 - 610 mm	3.70 kg	Cover: 60°	227 kg



Crash Testing

Fire Testing:

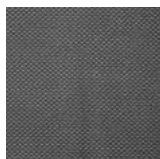
EN 1021: Part 1 & 2

Bio-Compatibility:

ISO 10993-5

Colour

Mesh Tex fabric



Please notice colors may vary slightly from those displayed above.

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Yes, you can.®



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matrix[®]
SEATING SERIES

Flo-tech™ Solution



**Slimline cushion with unique dual
fluid sac system**



Yes, you can.

The *Invacare **Matrix Flo-tech Solution*** cushion uses a combination of a slim, shaped foam cushion base and a dual layer of fluid sacs over the ischial and sacral area. The dual fluid sacs and the unique moulded foam shape of the solution increase the support surface area. This delivers a superior level of protection for patients identified as being at Very High Risk of developing pressure ulcers, or for those with already established tissue damage.

Features and Options



Ingress Resistant Cover

Cover is two-way stretch, water-resistant and vapour-permeable. Cover features an anti-slip base with carry handle.

Available in 44 sizes

The *Invacare **Matrix Flo-tech Solution*** is available in a range of 44 sizes, from 38 x 41 to 51 x 46 cm (380 x 410 to 510 x 460 mm). (See size chart for details).

Invacare *Matrix Flo-tech Deep Solution* option

Option of a 10 cm (100 mm) "Deep" foam base is also available in 12 sizes. (See size chart for details).



Ultra-fresh™ added to all cushions for antimicrobial and odour protection

Antimicrobial treatment that has been added to all **Flo-tech** foam to help make it resistant to the growth of odour causing bacteria. Helps provide longer lasting freshness.

Slimline contoured foam base with large dual fluid sac covering the entire top surface of the cushion






The contact area between the user and the foam cushion is protected, as the fluid displaces to redistribute pressure away from bony prominences. The additional layer of fluid is incorporated under the ischial and sacral area to further enhance the pressure reducing qualities of this cushion, making this cushion suitable for Very High Risk users.

Slimline contoured cushion

Some users prefer a slimline cushion, finding it more compatible with their daily living activities. The low profile is particularly beneficial for the facilitation of side transfers.

Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please see your local Invacare website.

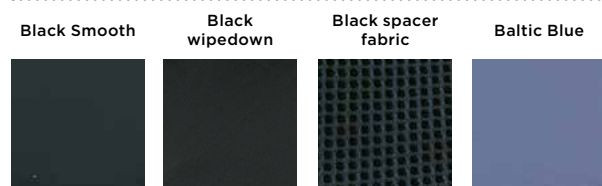
Various sizes	Height	Total product weight	Max. user weight ¹	Max. cleaning temperature
				
A range of 44 sizes	78 mm	3.08 kg	140 kg	80°

Manufactured to European Standards: BS EN 1021-1 Cig, BS EN 1021-2 Match and BS 7176 (Crib 5)

Disclaimer

1. Guide maximum user weight limits are set assuming that the cushion selected is of appropriate width and depth for the intended user/s.

Colours



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matrx[®]
SEATING SERIES

Flo-tech™ Image



Slimline cushion with fluid sac



Yes, you can.

The *Invacare* **Matrx Flo-tech Image** cushion uses a combination of a slim, shaped foam cushion base and a fluid sac covering the sacral area, increasing pressure distribution and immersion of the ischial tuberosities. This design delivers a high degree of protection to users who are at High Risk of developing pressure ulcers. This slim cushion format is ideal for both chair and wheelchair use.

Features and Options



Ingress Resistant Cover

Cover is two-way stretch, water-resistant and vapour-permeable. Cover features an anti-slip base with carry handle.



Available in 23 sizes

The *Invacare* **Matrx Flo-tech Image** is available in a range of 23 sizes, from 360 x 330 to 460 x 410 mm. (See size chart for details).



Integral Sag Compensator option

Option of sag compensator to accommodate the sag in wheelchair seats, and ensure the cushion is correctly presented.



Ultra-fresh™ added to all cushions for antimicrobial and odour protection

Antimicrobial treatment that has been added to all **Flo-tech** foam to help make it resistant to the growth of odour causing bacteria. Helps provide longer lasting freshness.

Slimline contoured foam and gel combination cushion






Some users prefer a slimline cushion, finding it more compatible with their daily living activities. The *Invacare* **Matrx Flo-tech Image** combines the benefit of a contoured foam upper surface with a large fluid sac covering the ischial and sacral area, offering increased support and reducing the peak pressures.

Contoured seating surface with gel sac

Offers improved stability and postural support; moulded foam castellations and fluid combine effectively to reduce shear and friction forces on tissue.

Technical data

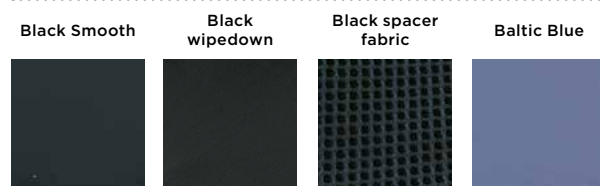
For more comprehensive pre-sales information about this product, including the product's user manual, please see your local *Invacare* website.

Various sizes	Height	Total product weight	Max. user weight ¹	Max. cleaning temperature
				
A range of 50 sizes	78 mm	1.82 kg	140 kg	80°

Manufactured to European Standards: BS EN 1021-1 Cig, BS EN 1021-2 Match and BS 7176 (Crib 5)

1. Guide maximum user weight limits are set assuming that the cushion selected is of appropriate width and depth for the intended user/s.

Colours



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matrx[®]
SEATING SERIES

Contour Visco^{NG}



Conforms to the shape
of the user's body



Yes, you can.

The *Invacare Matrx Contour Visco^{NG}* cushion is an anatomically contoured 100% viscoelastic foam cushion. It provides excellent pressure redistribution properties to improve comfort and stabilise the pelvis. Its low-profile design promotes easy foot propulsion and enables access to lower tables.

Rear Radius

- ▶ Contoured radius provides additional support behind the pelvis for optimal pelvic positioning. The cushion radius can fit underneath the backrest upholstery or a contoured rigid back support, filling the gap normally seen when rear squared cut cushions are used. Maximizing the surface area of contact will improve pressure redistribution and skin protection

Waterfall front edge









- ▶ Provides maximum thigh support for improved leg positioning and pressure redistribution, without compromising the popliteal area of the knee joint. The waterfall front edge also accommodates those with tight hamstrings to allow foot positioning at 90 or less and enables foot propulsion



- ▶ The *Matrx Contour Visco^{NG}* provides superior immersion and envelopment. When sitting on the cushion the user will feel the viscoelastic foam slowly adapting to their body shape, increasing the surface of contact, and thus redistributing pressure. The *Matrx Contour Visco^{NG}* is available in a wide range of sizes and weight capacities, providing the best fit to the user. It includes 2 covers with 2 zippers, easy to remove for cleaning and maintenance. The covers are incontinence proof and bi-elastic to allow efficient immersion of the user body in the foam cushion. The non-slip base ensures that the cushion remains in place and the carry-handle allows easy transfer of the cushion from one surface to another.

Technical data ▼

For more comprehensive pre-sales information about this product, including the product's user manual, please see your local Invacare website.

								
	Width ▼	Depth ▼	Height ▼	Height ▼	Total product weight ▼	Max. user weight ▼	Max. cleaning temperature ▼	
Matrx Contour Visco^{NG}	355 mm 380 mm 405 mm 430 mm 455 mm 480 mm 505 mm	405 mm 430 mm 455 mm 530 mm	A=100mm B=100mm	100mm	1.3kg	140Kg*	90°	

Cushion is manufactured to EN1021-1 Cig and EN1021-2 Match

*Cushions with seat width 380 and 405 mm - minimum user weight is 40 kg
Cushions with seat width 430 mm and above - minimum user weight is 60 kg

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Yes, you can.®



matrx[®]
SEATING SERIES

Libra[®] Cushion



Superior function with the highest
level of protection and positioning



Yes, you can.

With a perfect balance of immersion, off-loading and envelopment, the *Invacare Matrx Libra* cushion delivers the highest level of skin protection and positioning. The moulded foam base effectively redistributes forces to the hips and thighs, providing stability to optimise function. The unique dual layer fluid sac provides complete envelopment of bony prominences. Lightweight, low profile, and maintenance free, the **Libra** complements a variety of manual and power mobility bases. A full range of positioning accessories is available for extra support and targeted positioning.



Unique design

- Combination of foam and fluid for highest level of skin protection, positioning and adjustability for individual user needs
- New dual layer fluid sac with *Invacare's Flo-tech™* technology envelops bony prominences and reduces shear using non-temperature sensitive fluid for worry-free, reliable protection
- Highly durable HR-moulded foam base: innovative design increases immersion and balances posture



Functional benefits

- Improves pelvic stability from all sides, optimising function
- Suitable for users at very high risk for skin breakdown
- Lightweight, low-profile, and maintenance free, **Libra** complements an active lifestyle
- Recommended for all users including those with specific individual seating needs

Features and options



Immersion

Maximises surface contact area in order to reduce peak pressures. $\text{Pressure} = \text{Force}/\text{Area}$.



Off-Loading

Transfers forces away from the ischial tuberosities with greater weight bearing on the trochanters, hips and thighs.



Envelopment

Fluid sac completely surrounds the bony prominences, even during position changes.



Pelvic Stability

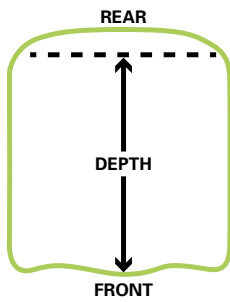
Contouring of the pelvic well provides lateral trochanteric support and anterior/posterior pelvic stability, promoting spinal extension for improved upper extremity function, head control and physiological function.

Features and options



Waterfall cut

For tight hamstrings, easier transfers and foot propulsion.



Cushion size

Actual seat depth is 380 mm longer when measured along the middle, due to the rear cushion radius.



Rear cushion radius

A 380 mm curved extension for maximum surface area minimizes gap between seat and backrest. Stabilizes fluid in tilted positions, with coccyx cut out for added relief.



Anterior wedge

Increases slope, prevents sliding and reduces shear.



Trimmed anterior wedge

For hip flexion limitations and/or lower seat height for foot propulsion.



Tapered wedge

For enhanced adductor support.



Tapered wedge

For obliquity and pelvic rotation when used in rear.



Lateral wedge

Reinforces lateral stability for enhanced midline positioning.



Fluid supplement sac

For targeted protection/obliquity accommodation. Fits securely inside main sac and pelvic well.



Abductor

For comfortable mid-line positioning of thighs and hips.



Side pocket for convenient storage

Includes quad pull cord.

Available sizes

Width (mm)	x	Depth (mm)
355	x	305
355	x	355
355	x	405
380	x	405
380	x	455
380	x	505
405	x	405
405	x	455
405	x	505
430	x	405
430	x	430
430	x	455
430	x	505
455	x	405

Width (mm)	x	Depth (mm)
455	x	455
455	x	505
480	x	405
480	x	455
480	x	505
505	x	405
505	x	455
505	x	505
530	x	455
530	x	505
530	x	560
560	x	455
560	x	505
560	x	560

Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please see your local Invacare website.

Total product weight	Max. user weight	Max. cleaning temperature	Surface cleaning
Matrix Libra 1.6 kg	Std 136 kg HD 227kg	Outer cover: 80°	Inner liner: With damp cloth



Cover options

Black smooth	Spacer	Black wipedown
Water resistant Vapour permeable	Vapour permeable	Water resistant Vapour permeable

Please notice colors may vary slightly from those displayed above.

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