Passive wheelchair accessories

For optimal fit and improved comfort

INVACARE

Yes, you can.

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The *Invacare® Rea®* Passive range consists of the *Rea **Azalea®***, *Rea **Clematis®*** and *Rea **Dahlia®***. Each chair is compatible with a wide variety of accessories to give the user optimal fit and improved comfort. With better support, users will be able to participate in a variety of everyday activities.

In this catalogue, you will find a reference letter to indicate which accessory can be attached to which Rea chair:

A = *Azalea*

C = *Clematis*

D = *Dahlia*

Backrests

▲ **Backrest base**

Stable and height adjustable backrest. **(C) (D)**

▲ **Flex 3 backrest plate**

Provides firm and stable support in combination with the backrest cushions. The plate is height and width adjustable. **(A) (D)**

▲ **Flex 3 tension adjustable backrest**

The backrest can be tailored to the user by adjusting the straps. Both width and height adjustable and can be fitted with cover or backrest cushion. **(A) (D)**

▲ **Laguna tension adjustable**

The basic tension adjustable backrest is fitted directly to the backrest posts. Can be fitted with cover or backrest cushions. **(D)**

▲ **Cover Lateral**

The **Cover Lateral** has no wedges and is thinner than the previous one. It has more stitching to provide a better fit. **(A) (D)**

▲ **Cushion Laguna**

The **Laguna** backrest cushion offers moderate lateral support and gives the user a high and stable shape. **(A) (C) (D)**

▲ **Cushion Mistral 2**

The **Mistral 2** backrest cushion with its deep, reinforced wings and a lower and shaped upper part offers the user a distinct waist support and assists shoulder movement. **(A) (D)**

▲ **Cushion Passad 2**

With its high shoulder support, the **Passad 2** offers support for users with diminished posture. The high wings are reinforced. **(A) (D)**

Backrests

▲ **Cushion Shoulder High 05**

The **Shoulder High** backrest cushion is the same as **Passad 2** but 100 mm higher, designed for taller users. **(A) (D)**

▲ **Cushion *Vicair* Multifunctional**

A backrest cushion that conforms to the shape of the user for an individual fit. **(A) (D)**

Easy backrest guide

	Backrest base	Backrest plate	Backrest tension adjustable	Laguna tension adjustable
Cover Lateral			A + D	D
Laguna	C	A + D	A + D	C
Mistral 2		A + D	A + D	
Passad 2		A + D	A + D	
Shoulder High		A + D	A + D	
Vicair		A + D	A + D	

A	Azalea	C	Clematis	D	Dahlia

▲ *Invacare® **Matrx® Elite E2***

Positioning backrest featuring Ripple Foam on an ergonomic aluminium shell with 80 mm contour depth, hip and scapular cutouts. Adjustable depth, height, angle, and rotation. **(A) (D)**

▲ *Invacare® **Matrx® Elite E2 Deep***

Positioning backrest featuring Ripple Foam on an ergonomic aluminium shell and 150 mm contour depth, hip and scapular cutouts. Adjustable depth, height, angle, and rotation. **(A) (D)**

▲ *Invacare® **Matrx® Elite TR***

Positioning backrest with thick upholstery based on an aluminum shell and contoured depth, hip and scapular cutouts. Adjustable in height, angle and rotation.

▲ **Wider backrest adaptor**

For a wider backrest bar on a smaller chair, an adaptor plus a wider backrest needs to be used. **(D)**

Push handles

▲ **Push bar**

Height adjustable push bar with receiver for various head and neckrests. Fits in combination with *Invacare® Matrx®* headrests. **(A) (D)**
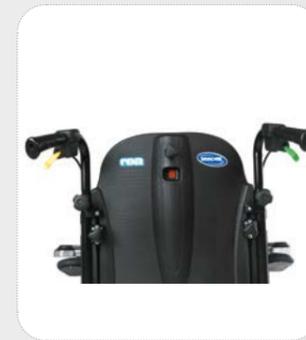
▲ **Individual push handles**

Height adjustable individual handles. **(C) (D)**

▲ **Connected push handles**

Connected push handles that are height adjustable. Handles slighley outwards angle for ergonomic grip. **(A) (D)**
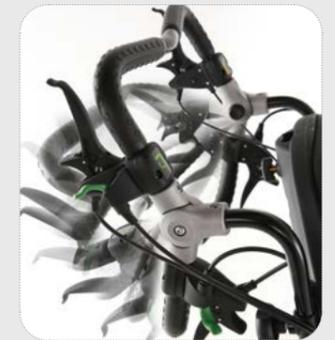
▲ **Angle adjustable push bar**

Can be lifted up or down to suit the assistants' needs. Easy to adjust with two buttons. **(A) (C) (D)**

Seat tilt and backrest regulation

▲ Seat tilt – assistant

All Rea® Passive wheelchairs have a tilt with weight shifting abilities. (**Clematis** to a minor extent) resulting in added stability. **Clematis** 20°, **Azalea** 25°, **Dahlia** 30° respectively 45°.

(A) (C) (D)

▲ Backrestrecline - assistant

All Rea Passive wheelchairs have a 30° recline with a high pivot point to minimise sheer.

*(Image shows the 30° recline combined with tilt on **Dahlia** 45).* **(A) (C) (D)**

▲ Self tilt

Self tilt available with both fixed armrest to frame (not width adjustable) and on standard armrest with width adjustability.

(D³⁰)

Power tilt and recline

Clematis

Azalea

Dahia 30

Dahlia 45

▲ Available on *Clematis, Azalea, Azalea Max, Dahia 30* and *Dahlia 45*

The electric control allows the assistant and/or user to safely tilt and recline the chair to suit the user's needs. This eliminates the need to manually tilt and recline the chair. **(A) (C) (D)**

Seat and cushions

▲ Sliding seat

To be used when transferring to assist with positioning. **(A)**

▲ Floshape

High density foam cushion that allows greater pressure re-distribution and is suitable for 'at risk' users. Cover available in multi stretch PU coated fabric, Plush or Spacer material. **(A) (C) (D)**

▲ Cushion *Vicair Multifunctional*

Seat cushion conforms to the shape of the user for a personalised fit. **(A) (D)**

▲ *Mistral 2*

Basic two layer seat cushion for improved comfort. **(C) (D)**

▲ Seat cushion cover

Washable multi stretch PU coated fabric covers.

(A) (D)

Legrests and footrests

▲ Angle adjustable legrests with leg length compensation

Strong legrests with ergonomic grip and visual angle setting. Calf pads are shaped and can be folded both forwards and backwards for ease of transfer.

(A) (C) (D)

▲ Fixed 80° legrest

Fixed or adjustable footplates as an option. Easy swing in and swing out function by releasing the locking mechanism on the handle. Designed for users or assistants. **(A) (D)**
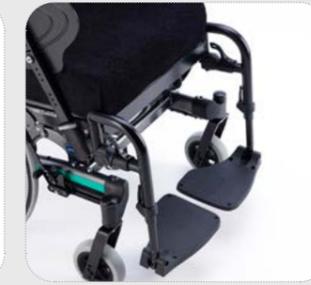
▲ Fixed 90° legrest

Brings the feet closer to the body. Only to be used with small castors. **(A) (D)**

▲ High legrest fitting

For users with short legs or users who needs the foot support low down. **(A) (D)**

▲ Central legrest

The legrest is adjustable in height, depth and angle and also offers the user compact support for the legs. The central legrest helps bring and keep the legs together. **(A) (D)**

▲ Legrest for amputee

For perfect support, this legrest is adjustable in height, angle, and depth. It offers a stable support and has a swing-away function.

(A) (C) (D)

▲ Amputee legrest

Add a brace to the calf support for an adjustable amputee legrest. **(A)**

▲ Plaster legrests

Fixed 90° angle with adjustable calf pads and footplate. **(A) (D)**

▲ 90 degree legrest attachment

Will allow the legrests too be mounted closer to the seat **(A) (D)**

▲ Legrest attachment

There is a standard version (top) and a 50 mm higher version (bottom) for users with long legs using angle adjustable legrests or for users with short legs using fixed legrests.

▲ One-piece footplate

Folds upwards and can also be removed. It is angle and depth adjustable and fits all legrests. **(A) (D)**

▲ Foldable footplate

For improved stability, the upward and downward position has a 'semi-lock'.

(A) (C) (D)

Legrests and footrests

▲ Foldable adjustable footplate

It is adjustable in angle, height, depth and side wise.
(A) (C) (D)

▲ Footplate extender

The extender provides a larger foot support to fit the adjustable footplate. Can be mounted both in front and rear. **(A) (C) (D)**

▲ One-piece footrest pad

The 12 mm thick pad gives a softer and more comfortable placement for the feet.
(A) (D)

▲ Footplate pad

For the angle and depth adjustable footplates. It is easy to remove and 25 mm thick. **(A) (C) (D)**

▲ Locking of footplates

For additional stabilisation the adjustable footplates can be locked together.
(A) (C) (D)

▲ Padded calf strap

A soft, adjustable calf strap that can replace the calf pad on the angle adjustable legrest or be used to complement the fixed legrest. **(A) (D)**

Armrests

▲ Dahlia 30 & 45

Adjustable in height and the side guard is adjustable in depth. **(D)**

▲ Azalea and Clematis

Armrest with a straight armrest pole, available in a 50 mm higher version.
(A) (C)

▲ Shaped armrests pad

Stable armrest with shaped pad. The rear is higher and wider for increased support in tilted position. **(A) (C) (D)**

**▲ Wide armrest pad**

Stable armrest with wide and soft pad. Offers a wider contact area for the arm.
(A) (D)

Armrests

▲ Straight narrow armrest pad

Narrow armrest pads for closer access to the rear wheels for self propelling.
(D)

▲ Additional padding

Designed for straight armrest pads for additional comfort. Removable by zipper. **(D)**

▲ One piece armrest

Padded armrest for hip-guidance and offering a 'closed' seat. **(A) (C)**

▲ Hemiplegic armrests

The shaped soft pad is height and angle adjustable. **(A) (C) (D)**

▲ Side support cover

Covers the plastic on the side plate. The multi stretch PU coated fabric in combination with the inside padding makes it softer. **(A) (C)**

▲ Cushion to side support cover

20 mm thick cushion to reduce seat width. To be attached to the upper part of the side plate, not to interfere with the seat cushion covered by the side support cover. The seat width will be reduced by 20 mm. **(A) (C)**

▲ Side support pad

Makes the side support more comfortable and reduces its width. 22 mm thick. **(A) (D)**

▲ Reinforced side guard

To be used when there is inside rear pressure of side guards. **(D)**

Seat and backrest options

**▲ Headrest sideways adjustable**

The headrest has wings that are adjustable in angle. The attachment of the whole headrest allows adjustment in depth, angle, sideways and height for obtaining individual support for the user. **(A) (C) (D)**
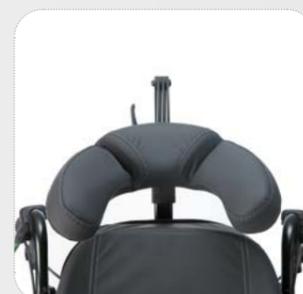
▲ Headrest with cheek support

The headrest with cheek support has the same type of attachment as the sideways adjustable headrest, however, its shape is designed to offer the optimum support for the passive user. Height, depth and angle adjustable. **(A) (C) (D)**
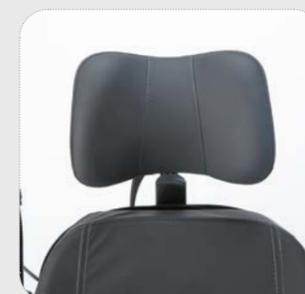
▲ Neck rest height adjustable

Shaped to the contour of the head and top of the neck for good support. **(A) (C) (D)**

▲ Washable covers

For easier maintenance, covers are available for head and neck rests.
(A) (C) (D)

Seat and backrest options

▲ **Universal neck and headrest holder**

A holder for other types of head and neckrests. **(A) (D)**

▲ **Seat width extension**

Small washers can be added to increase seat width. Adds 10+10 mm. **(C)**

▲ **Abduction cushion**

Oval abduction cushion to be placed between the knees. It has two depth possibilities and is removable. **(A) (C) (D)**

▲ **Lumbar support cushion**

Position behind the backrest cover/cushion to increase and enhance the shape of the backrest. **(A) (D)**

▲ **Harness attachment**

Fitting for the harness can be added onto the headrest tube. **(A) (D)**

▲ **Seat plate extension**

A pair of plates that can be used as an extension of the seat plate in various positions. **(D)**

▲ **Seat plate height extension**

Additional plate placed on top of seat plate fixed by Hook&Loop to increase the seat height by 20 mm. **(A) (D)**

▲ **Wedges**

Positioning device to be used under the seat and/or backrest cushion. **(A) (D)**

▲ **Trunk support**

A removable firm trunk support that is width and depth adjustable. Also available for ***Azalea Max.*** **(A) (C) (D)**

▲ **Trunk support**

As it has many adjustment options it is easy to shape according to the individual needs of the user. It can be used in all combinations of backrests and backrest cushions. Also available for ***Azalea Max.*** **(A) (D)**

▲ **Trunk support with swing away**

The trunk support has an adjustable arm with levers and can be angled to fit the requirements of the user. For transfer it can be folded away. Detachable version available as option. **(A) (C) (D)**

▲ **Extended arm**

Enables 50 mm higher or lower positioning of the trunk support for tall users. **(A) (D)**

Seat and backrest options

▲ **Harness**

Supportive harness in one size (small) to be placed over the sternum. **(Azalea Minor)**

Castor attachment and castors

▲ **Quick release**

The front castor can easily be removed by pressing the knob. It makes the wheelchair smaller for transport. **(D)**

▲ **Chassis extender**

Moves the castors 50 mm forward. **(A)**

▲ **Castor lock**

Holds the castor in a fixed aligned position. **(A)**

▲ **Various castor options**

Choose from various castors from 4" to 8" with different thicknesses, including pneumatic, soft or solid. **(A) (C) (D)**

Rearwheel options

▲ **Handrims**

Available in aluminium or plastic coated (both standard assortment) and stainless steal, foam coated or black grip (from special assortment). **(A) (D)**

▲ **One arm drive**

For users who propel with either left or right hand. **(D)**

▲ **Frost spoke guards**

Covers the spokes of the rear wheels to avoid fingers being trapped. **(A) (C) (D)**

▲ **Drum brakes for 16", 20", 22" and 24" rear wheels**

Drum brakes are recommended to increase security of wheelchair handling for assistants. **(A) (C) (D)**

Rearwheel options

▲ Brake lever extension

Extension of the manual brake arm for closer, easier handling. Also available for *Azalea Max*. **(A) (C) (D)**

▲ Kerb lever

Makes it easier to get chairs over kerbs and obstacles. Always mounted on the right hand side of the chair. **(D)**

Others

▲ Table tray

Adjustable in depth and easy to remove. Attach to wheelchair either by click on on both sides or as a swing away. **(A) (C) (D)**

▲ Table tray cushion

Soft 30 mm cushion attached with elastic straps. **(A) (C) (D)**

▲ Locking for table tray

A spring loaded lock is attached to the receiver.

▲ Swing away table

The optional table can swing away when the user is transferring in and out of the chair. It is also removable.

**▲ Attachment for belt**

Positioned in front of the armrest. **(D)**

▲ Attachment for positioning belt

Used as a complement to the standard attachment for multiple attachment points. **(A)**

▲ Pelvic belt

Secures the user in the wheelchair. **(A) (C) (D)**

▲ Accessory tray

This highly adaptable shaped tray can be used for ventilators, bags and other equipment that needs to follow the wheelchair. It doesn't interfere with the tilt or backrest recline. **(D)**

Others
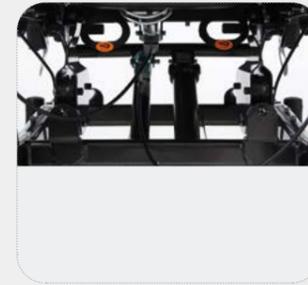
▲ Transport brackets

Rear fixation is placed under the seat. The brackets at the front are an extension of the armrest attachment. **(D)**

▲ Reflector kit

Reflects light in the dark to increase the visibility of the wheelchair. **(A) (C) (D)**

▲ Tilt scale

To read the angle of the seat and back relative to the ground. **(A) (D)**

Power add-ons

▲ Alber e-motion®

Push-rim activated power assist combines active mobility with therapeutic benefits. **(A) (C) (D)**

▲ Alber e-fix®

Converts the manual wheelchair into a very lightweight and small power-wheelchair. **(A) (C) (D)**

▲ Alber scalamobil®

Converts your wheelchair into a mobile stair climber. **(C) (D)**

▲ Alber viamobil®

Relieves the attendant and takes over the hard work of pushing and braking the wheelchair. **(A) (C) (D)**

Invacare Rea Wheelchair	e-fix E35	e-fix E36	e-motion M25	scalamobil S35	scalamobil S38	viamobil eco V12	viamobil eco V14	viamobil V25	twion T24
Rea Azalea	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No
Rea Azalea Assist	No	No	No	Yes	No	No	No	Yes	No
Rea Azalea Base	Yes	Yes	Yes	Yes	No	No	No	Yes	No
Rea Azalea Tall	Yes	Yes	Yes	Yes	No	No	No	Yes	No
Rea Azalea Max	Yes	Yes	Yes	No	No	No	No	Yes	No
Rea Azalea Minor	Yes	Yes	Yes	No	No	No	No	No	No
Rea Clematis	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No
Rea Dahlia 30	Yes	Yes	Yes	No	No	No	No	Yes	No
Rea Dahlia 45	Yes	Yes	Yes	No	No	No	No	Yes	No

Please note, there may be limitations in wheel sizes, seat heights etc. depending on the configuration of the chair.

Dual Stability System (DSS®)

Passive/Tilt-in-space wheelchair users are heavily dependent on their wheelchair and require a great deal of assistance from attendants. An average user will spend the majority of their day in the chair and so a tilt and recline function is key to redistribute pressure.

On standard tilt-in-space chairs, the pivot points on the chair are not aligned and there is also the concern of stability when the chair is tilted.

Chair and user pivot points not aligned

- Results in a non-synchronised movement
- When the chair reclines, the headrest and back support move up, forcing the user to slide down the chair to compensate
- This leads to shear and friction forces
- When lifting the legrests, the non-synchronised movement of the pivot points results in the knees being lifted, forcing the user towards the backrest, causing compression

Stability

- Going into and out of tilt can leave the user feeling anxious and unsafe
- Due to no weight shifting abilities
- Causes a high raise in the front of the chair

To eliminate these risks and concerns, the Invacare® Rea® Passive wheelchair range has DSS built into each chair to improve stability and ensure an anatomically correct sitting position every time the chair goes into and out of tilt and recline. The sophisticated system has been a part of the Rea passive wheelchairs since the early 1990's and comprises of high pivot points and weight shifting abilities.
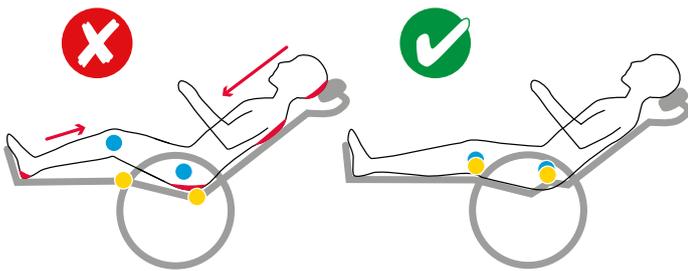
The high pivot point designed for the Rea chairs allows for body length compensation and so reduces shear, friction and compression. When the chair goes into and out of tilt and recline, the head, neck and trunk of the user will remain in the same position on the headrest and backrest, eliminating any sliding or movement.

Weight shifting has been built into the Rea chairs to ensure the wheelchair is stable no matter which seat angle the chair is at. In basic terms, it allows the seat to move downwards and forwards which enables it to retain its stability, despite the backwards leaning position. The seat simply slides towards the chassis.

Without weight shift / single pivot point

With weight shift

Centre of weight

The seat raise is significantly greater here.

Minimal seat height increase here.

Scan here to access the website.

To view our short video on DSS, please visit the 'Invacare Europe' YouTube channel or simply scan here.
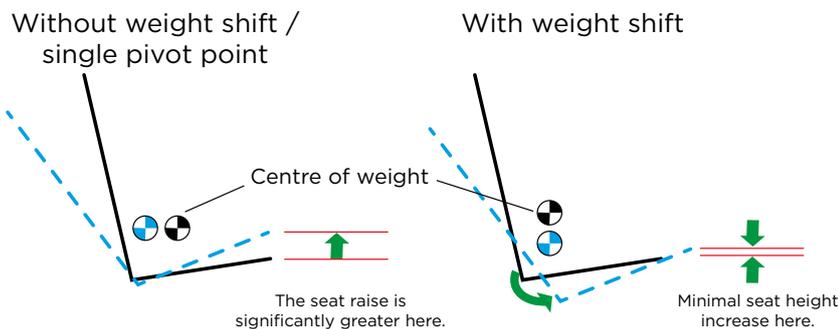
Rea, Rea design and DSS (Dual Stability System) design are registered trademarks of Invacare International. The *Rea* **Azalea** is designed with DSS (Dual Stability system). It provides the user with enhanced stability and safety when being tilted or the backrest is reclined.

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Yes, you can.®