

Technique &  
Performance



Endurance  
& Durability

# PRODUCT CATALOG

Safety &  
Quality

Know-how &  
Customization



With this catalogue it is our goal to ease the understanding of ROLTEC's productline in order to be able to choose the best solution when building an electric wheelchair.

Nothing is perfect but ROLTEC always strives to find the optimal solution for the end-user.

Our solutions and different chair-constructions are the result of 40 years of experience working closely with clients and therapists.

For more than 40 years ROLTEC has gained experience by gathering input from wheelchair users and therapists and for many years we have been the market leader for rear-wheel drive wheelchairs.



**Flemming Enevoldsen**  
*Owner - Production Manager*

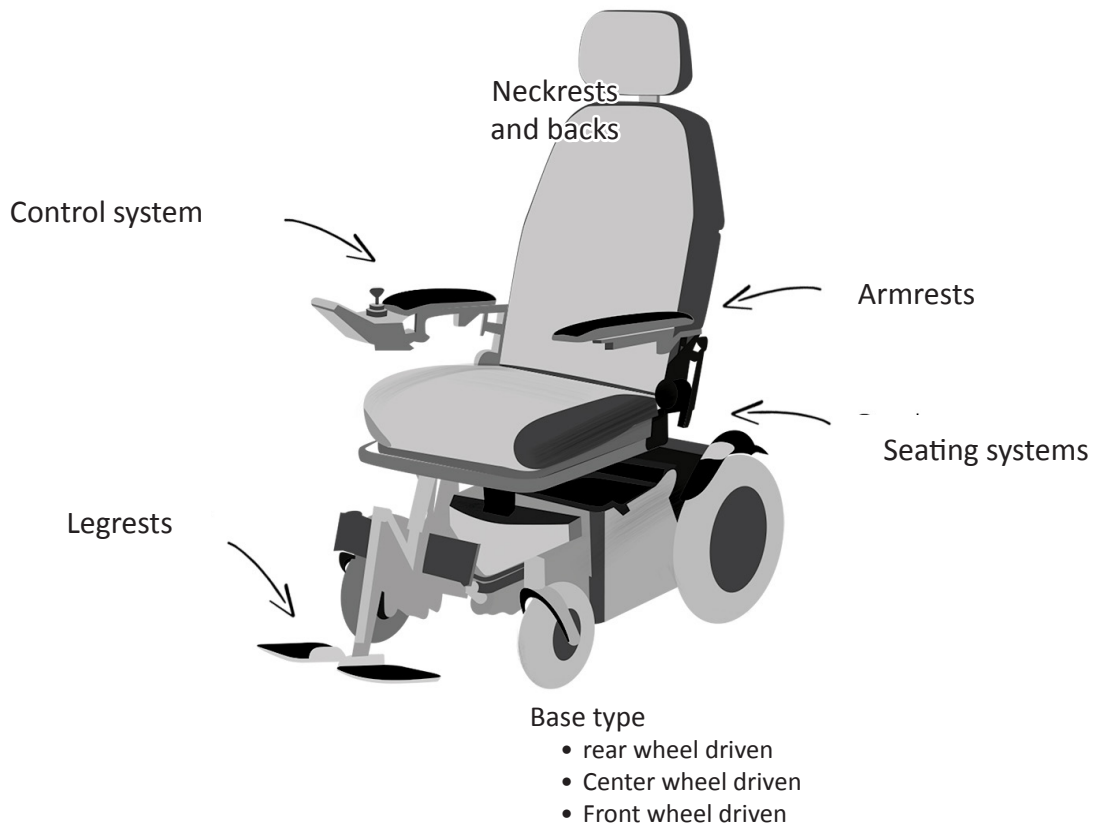


**Dennis Holmgaard**  
*Owner - Technical Development*



**Thomas Pedersen**  
*Owner - Sales and Marketing*

## How to build your ROLTEC chair...



ROLTEC's electric wheelchair are build upon a module-system that can be combined to the exact need of the client.

The clients physique and needs - where and how the chair must perform - all issues that must be addressed, discussed and dealt with in order to build the optimal chair.

Give and take when deciding in which direction to go... but never compromise on quality...!

At Roltec we look forward to offer you the very best the market can offer. We will guide you through the decision process to achieve not only a usable chair - but a chair that in performance, usability, and quality will accommodate the clients physique and daily needs.

Our consultants are ready to guide you - to adjust and customize your choices until the optimal chair is decided on and build.

## R-Seat Seatframe

Seating	Art. no
Seat frame	71432



## R-Seat Tilting the back

Manually or electrically

Tilt of back	art. no.
Tilting (actuator) 45°	71422
Tilting (actuator) 55°	71500
Manuel tilting of back	71491

Actuator  
for tilting the  
back rest 45 °  
(art. no 71422)



\* If needed the seat can be folded down to horizontal position.  
(Ask our consultants)

## Webbed seat pan

This seat pan is suitable as a universal solution, making it possible for various separate seating cushions to be positioned on different fixed-frame wheelchairs. Suitable for wheelchair users with a very high risk of developing pressure ulcers (decubitus ulcers). The mounting holes for the thresholds are pre-drilled, making it easy to mount a front or rear threshold.



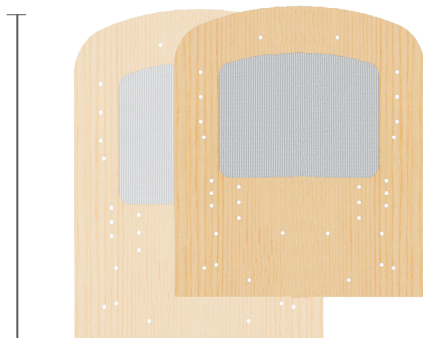
**Depth**

**48 cm**

or

**55 cm**

**Depth  
48/55cm**

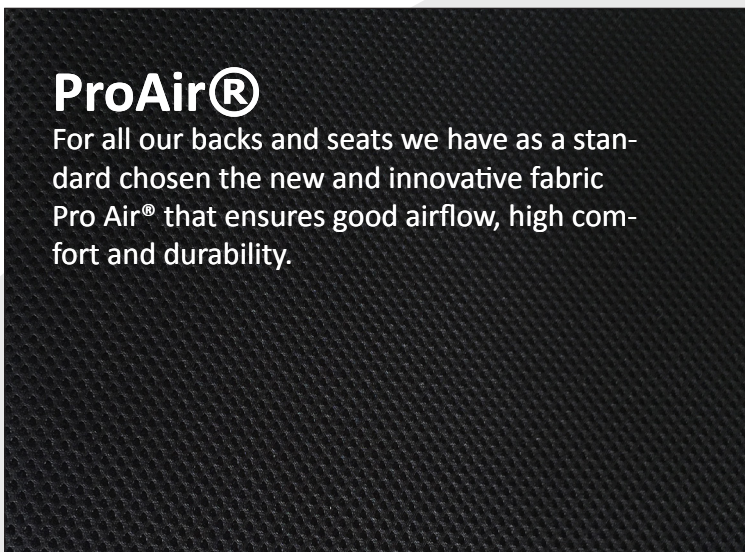


Art. no	Seat Pan	
	Depth 48 cm	Depth 55 cm
Width 40 cm	A80017-48-40	A80017-55-40
Width 42 cm	A80017-48-42	A80017-55-42
Width 44 cm	A80017-48-44	A80017-55-44
Width 46 cm	A80017-48-46	A80017-55-46
Width 48 cm	A80017-48-48	A80017-55-48
Width 50 cm	A80017-48-50	A80017-55-50

## SEATS AND BACKS

### ProAir®

For all our backs and seats we have as a standard chosen the new and innovative fabric Pro Air® that ensures good airflow, high comfort and durability.



### Guarantee for identical replacement

Every cushion, backrest, neck support etc. is from our factory labeled with a unique code that ensures that we at all times can replace worn out or destroyed parts with identical items.

## The “Standard” cushion

This cushion is suitable for the active wheelchair user, who appreciates the freedom of movement. Users with only a slight risk of developing pressure ulcers (decubitus ulcers)

(Height of cushion 7 cm)



## “Optimum Comfort”

The Optimum Comfort cushion is suitable for wheelchair users with a high risk of developing pressure ulcers (decubitus ulcers). Thanks to its anatomical design, this seat provides good pressure distribution and stability and prevents the wheelchair user from sliding forwards.

(Height of cushion 9 cm)



## “Comfort Visco”

The Comfort Visco cushion is suitable for the wheelchair user with a high risk developing pressure ulcers (decubitus ulcers). The Comfort Visco cushion is made with a viscoelastic memory foam insert that shapes itself to the body contours of the user through the user's weight and body heat. The viscoelastic memory foam insert is exchangeable and can be replaced by a different type of viscoelastic insert at a later stage.

(Height of cushion 9 cm)



Seat width	Standard Cushion		Optimum Comfort		Comfort Visco	
	Seat dept 48 cm	Seat dept 55 cm	Seat dept 48 cm	Seat dept 55 cm	Seat dept 48 cm	Seat dept 55 cm
40 cm	A80012-48-40	A80012-55-40	A80014-48-40	A80014-55-40	A80015-48-40	A80015-55-40
42 cm	A80012-48-42	A80012-55-42	A80014-48-42	A80014-55-42	A80015-48-42	A80015-55-42
44 cm	A80012-48-44	A80012-55-44	A80014-48-44	A80014-55-44	A80015-48-44	A80015-55-44
46 cm	A80012-48-46	A80012-55-46	A80014-48-46	A80014-55-46	A80015-48-46	A80015-55-46
48 cm	A80012-48-48	A80012-55-48	A80014-48-48	A80014-55-48	A80015-48-48	A80015-55-48
50 cm	A80012-48-50	A80012-55-50	A80014-48-50	A80014-55-50	A80015-48-50	A80015-55-50

## 4 different back bases...



### A. Standard

Stable base without adjustment.



### B. Webbed

Spring base which adapts itself to the contours of the body.



### C. Strapped

Stable top with multiple straps of adjustability for posture correction.



### D. Flexible strapped

Flexible still stable back with multiple straps that gives additional possibilities for correct adjustability and positioning.



## 3 different back cushions...

### “Free”

The Free backrest is suitable for the active wheelchair user and ensures a lot of freedom of movement.

### “Active”

The active backrest is suitable for the active wheelchair user and ensures a lot of freedom of movement and a correct seating position by its low shaped lateral support.

### “Passive”

The passive backrest is suitable for the passive wheelchair user and ensures a stable seating position by its high shaped lateral support.





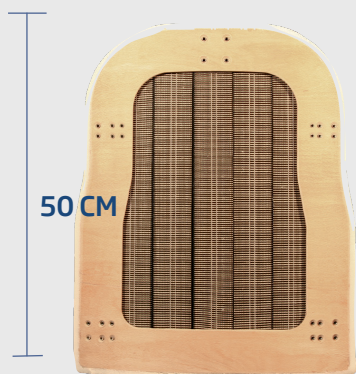
**A**  
Standard

SEAT WIDTH	A - Standard back base height 50cm		
	Free	Active	Passive
40 cm	A80000-50-40	A80004-50-40	A80008-50-40
42 cm	A80000-50-42	A80004-50-42	A80008-50-42
44 cm	A80000-50-44	A80004-50-44	A80008-50-44
46 cm	A80000-50-46	A80004-50-46	A80008-50-46
48 cm	A80000-50-48	A80004-50-48	A80008-50-48
50 cm	A80000-50-50	A80004-50-50	A80008-50-50



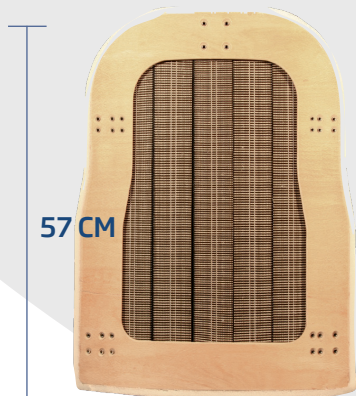
Stable base without adjustment.

SEAT WIDTH	A - Standard back base height 57cm		
	Free	Active	Passive
40 cm	A80000-57-40	A80004-57-40	A80004-57-40
42 cm	A80000-57-42	A80004-57-42	A80004-57-42
44 cm	A80000-57-44	A80004-57-44	A80004-57-44
46 cm	A80000-57-46	A80004-57-46	A80004-57-46
48 cm	A80000-57-48	A80004-57-48	A80004-57-48
50 cm	A80000-57-50	A80004-57-50	A80004-57-50



**B**  
Webbed

SEAT WIDTH	B - Webbed back base height 50cm		
	Free	Active	Passive
40 cm	A80001-50-40	A80005-50-40	A80009-50-40
42 cm	A80001-50-42	A80005-50-42	A80009-50-42
44 cm	A80001-50-44	A80005-50-44	A80009-50-44
46 cm	A80001-50-46	A80005-50-46	A80009-50-46
48 cm	A80001-50-48	A80005-50-48	A80009-50-48
50 cm	A80001-50-50	A80005-50-50	A80009-50-50



Spring base which adapts itself to the contours of the body.

SEAT WIDTH	B - Webbed back base height 57cm		
	Free	Active	Passive
40 cm	A80001-57-40	A80005-57-40	A80009-57-40
42 cm	A80001-57-42	A80005-57-42	A80009-57-42
44 cm	A80001-57-44	A80005-57-44	A80009-57-44
46 cm	A80001-57-46	A80005-57-46	A80009-57-46
48 cm	A80001-57-48	A80005-57-48	A80009-57-48
50 cm	A80001-57-50	A80005-57-50	A80009-57-50



50 CM

**C**  
Strapped

SEAT WIDTH	C - Strapped back base height 50cm		
	Free	Active	Passive
40 cm	A80002-50-40	A80006-50-40	A80010-50-40
42 cm	A80002-50-42	A80006-50-42	A80010-50-42
46 cm	A80002-50-44	A80006-50-44	A80010-50-44
44 cm	A80002-50-46	A80006-50-46	A80010-50-46
48 cm	A80002-50-48	A80006-50-48	A80010-50-48
50 cm	A80002-50-50	A80006-50-50	A80010-50-50



57 CM

Stable top with multiple straps of adjustability for posture correction.

SEAT WIDTH	C - Strapped back base height 57cm		
	Free	Active	Passive
40 cm	A80002-57-40	A80006-57-40	A80010-57-40
42 cm	A80002-57-42	A80006-57-42	A80010-57-42
44 cm	A80002-57-44	A80006-57-44	A80010-57-44
46 cm	A80002-57-46	A80006-57-46	A80010-57-46
48 cm	A80002-57-48	A80006-57-48	A80010-57-48
50 cm	A80002-57-50	A80006-57-50	A80010-57-50



50 CM

**D**  
Flexible strapped

SEAT WIDTH	D - Flexible Strapped back base height 50cm		
	Free	Active	Passive
40 cm	A80003-50-40	A80007-50-40	A80011-50-40
42 cm	A80003-50-42	A80007-50-42	A80011-50-42
44 cm	A80003-50-44	A80007-50-44	A80011-50-44
46 cm	A80003-50-46	A80007-50-46	A80011-50-46
48 cm	A80003-50-48	A80007-50-48	A80011-50-48
50 cm	A80003-50-50	A80007-50-50	A80011-50-50



57 CM

Flexible still stable back with multiple straps that gives additional possibilities for correct adjustability and positioning.

SEAT WIDTH	D - Flexible Strapped back base height 57cm		
	Free	Active	Passive
40 cm	A80003-57-40	A80007-57-40	A80011-57-40
42 cm	A80003-57-42	A80007-57-42	A80011-57-42
44 cm	A80003-57-44	A80007-57-44	A80011-57-44
46 cm	A80003-57-46	A80007-57-46	A80011-57-46
48 cm	A80003-57-48	A80007-57-48	A80011-57-48
50 cm	A80003-57-50	A80007-57-50	A80011-57-50

## Headrest

The standard, junior and high model headrest is suitable for the active and passive wheelchair user and ensures a correct seating position that provides the head support.



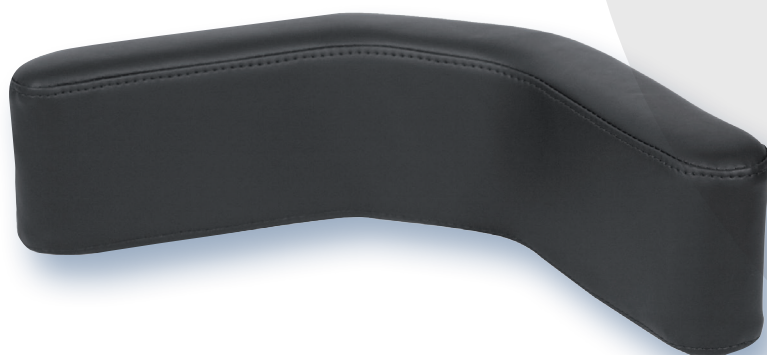
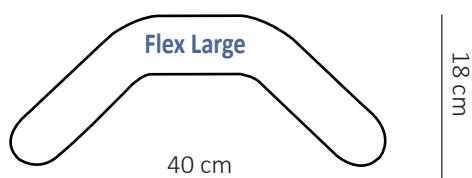
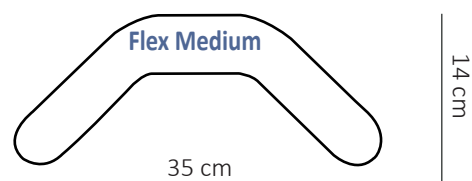
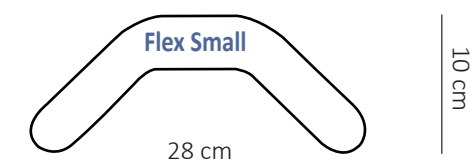
Accessories	Art. no
Mounting bracket	A80024



Headrest	Art. no
Standard - Height 13 cm/width 26 cm	A80021-13-26
Junior - Height 11 cm/width 22 cm	A80021-11-22
High - Height 16 cm/width 26 cm	A80021-16-26

## Flexible headrest

This headrest is suitable for the passive wheelchair user and ensures a correct seating position. The adjustable, flexible wings support the head backwards and sideways.



Headrest type "Flex"	Art. no
Flex Small - Height 9 cm/width 28 cm	A80022-09-25
Flex Medium - Height 12 cm/width 35 cm	A80022-12-35
Flex Large - Height 12 cm/width 40 cm	A80022-12-40

## Fixed armrest

The armrest consists of two separate art. no. which must be chosen:

1: The hard part – complete adjustable metalbase.

The fixed armrest is adjustable vertically and horizontally



	Armrest base
Right	69278
Left	69279

2: The "soft" parts which are the armrest plates with leather upholstery



	Armrest Leather	
	32 cm	42 cm
Right	66604	66603
Left	66606	66605

## Adjustable armrest with tilting function

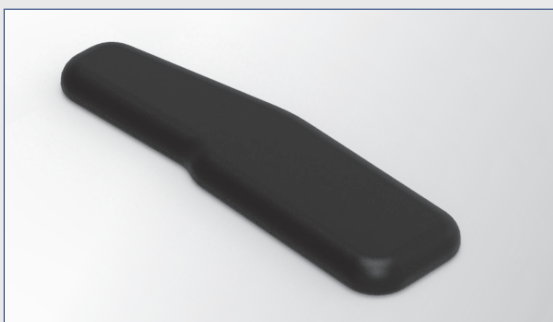
The complete armrest consists of two separate art. no. which must be chosen:

1: The hard part – complete adjustable metalbase.



	Armrest base adjustable 25 to 40 cm in length			
	25 cm	30 cm	35 cm	40 cm
Right	66101	66102	66103	66104
Left	66105	66106	66107	66108

2: The "soft" parts which are the armrest plates with leather upholstery.



	Armrest Leather	
	32 cm	42 cm
Right	66604	66603
Left	66606	66605

## Adjustable swing armrest

The complete swing armrest consists of two separate art. no. which both must be chosen:

1: The hard part – complete adjustable metalbase.



	Swing armrest base		
	15 cm	20 cm	25 cm
Right	68930	68970	68971
Left	68972	68931	68973

2: The "soft" parts which are the armrest plates with leather upholstery.



	Armrest Leather	
	32 cm	42 cm
Right	66604	66603
Left	66606	66605

## Collapsible armrest

The complete collapsible armrest consists of two separate art. no. which both must be chosen:

1: The hard part – complete adjustable metalbase.

The fixed armrest is adjustable vertically and horizontally



	Collapsible Armrest base	
Right	69276	
Left	69277	

2: The "soft" parts which is the armrest plate with leather upholstery



	Armrest Leather	
	32 cm	42 cm
Right	66604	66603
Left	66606	66605



## Leg elevation

This leg support can be operated individually electrically or manually



Electric elevation w. calf support	Art. no
Right	68701
Left	68702
Complete set – right & left	67631

Side mounted powered legrests left and right. The legrest is "cordless" and connects automatically when mounted.

The legrest can be swung out to the side or completely removed.

No visible plugs or connecting wires - everything is hidden internally.

The leg supports can be mechanically adjusted up / down and backwards and forwards. The strong aluminum footrests are adjustable in angle - and back and forth.

The base plate is made of a strong aluminum plate with non-slip pattern on the top.



Manual elevation w. calf support	Art. no
Right	70996
Left	70997
Complete set – right & left	71038

Side mounted legrest is manually adjustable. Right and left.

The leg supports can swing out to the side or be completely removed as required.

The footrests fold up the sides, allowing additional space in front of the chair during transfers.

The leg supports can be mechanically adjusted up / down and backwards and forwards.

The position controlling the leg angle is adjustable. The strong aluminum footrests are also adjustable in angle.

## Leg elevation - Monolift

This leg support can only be operated parallel – electrically or manually



**Center elevation - parallel  
electrically controlled**

**Art. no**

Model B20

71383

Central mounted powered mono legrest with length compensation.

This highly adjustable solution provides optimal space in front of the wheelchair as the footplates are collapsible.

The legrest can be adjusted in length and angle. The leg support is equipped with two motors - one which elevates the leg rest and one that takes care of the displacement providing the desired and needed length compensation.

The two motors can be operated separately, or simultaneously achieving desired positions for driving, resting etc.

The leg supports can be elevated from zero to almost 90 degrees allowing the user to obtain a close to horizontal position.



**Center elevation - parallel  
manually controlled**

**Art. no**

Model B20

71394

Manually adjustable central mounted legrest.

This manual legrest from ROLTEC can be adjusted forward, backwards and up and down.

The footplate folds up against the chair. The central mono legrest allows the user to be positioned in his chair with the knees bend as wished.

## Multi adjustable side support/hold



The removable side support can be placed at the knee or at the hip. The adjustment possibilities in the bracket, ensures variable positioning of the pad.

	<b>Art. no</b>
Multi adjustable leg hold	71498



The standard side cushion is suitable for both the active and passive wheelchair user and ensures a correct seating position.

By lining up the back of the side cushions with the pelvis and the front of the cushions with the knees, their wedge-shaped, flat design and comfortable foam offer the wheelchair user stability and correct posture.

The pillow is available in 2 sizes.

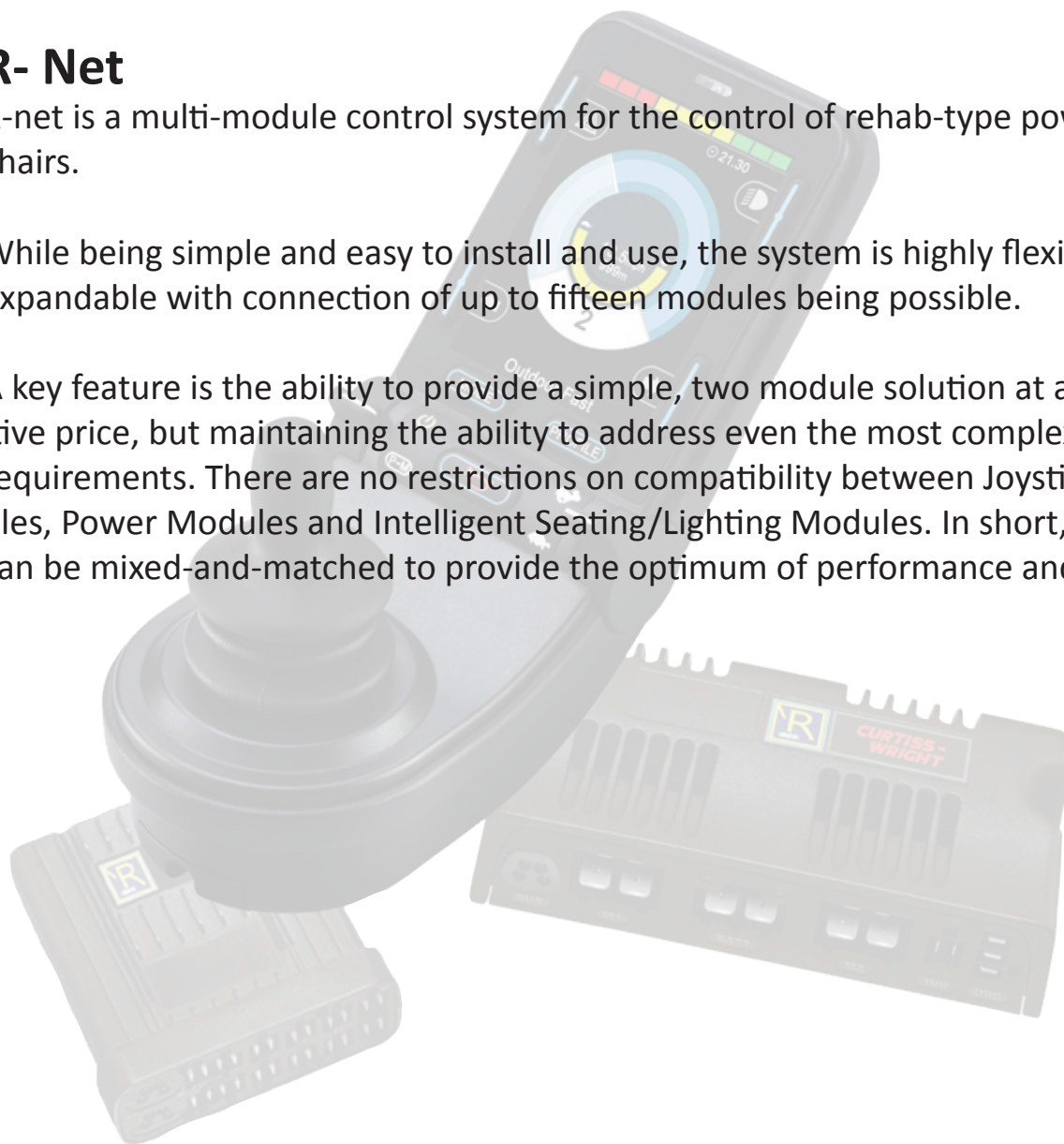
	<b>Art. no</b>
Support cushion - right or left - leather	A80028-22

## R- Net

R-net is a multi-module control system for the control of rehab-type power-chairs.

While being simple and easy to install and use, the system is highly flexible and expandable with connection of up to fifteen modules being possible.

A key feature is the ability to provide a simple, two module solution at a competitive price, but maintaining the ability to address even the most complex rehab requirements. There are no restrictions on compatibility between Joystick Modules, Power Modules and Intelligent Seating/Lighting Modules. In short, modules can be mixed-and-matched to provide the optimum of performance and cost.



## R-Net Joystick LED basic



## Basic Joystick

Art. no.	75044
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**The LED Joystick Modules** offer an entry-level product that is both stylish and ergonomic.

- Ergonomic and stylish design
- Easy to operate pushbuttons
- High visibility LEDs
- With lighting control
- Charging socket

The LED Joystick Modules offer an entry-level product that is both stylish and ergonomic. The positions of the LEDs and the buttons, as well as the operating forces of the buttons, have been chosen to make the Joystick Module as user-friendly as possible. Furthermore, high-intensity LEDs have been used to ensure they are visible in even the very brightest light.

The joystick module can control drive and seating, as well as any other system mode as long as there is a suitable display. Of course, both versions also contain a convenient, industry-standard charging port.

## R-Net Joystick with display &amp; light



## Joystick display/light

Art. no.	75000
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**Color LCD Joystick Modules** provide a modern and highly aesthetic user display, which enhances the appearance of the whole powerchair.

- Ergonomic and stylish design
- Easy-to-operate pushbuttons
- Hi-resolution graphics color LCD
- Large and clear screen icons
- Two jack sockets as standard
- On-Board Programming (OBP) option
- With lighting control
- Charging socket

The size of the graphics on the screen has also been optimized to make them as large as possible to reflect the operating condition of the wheelchair. The positions of the display and the buttons, as well as the operating forces for the buttons, are chosen to make the Joystick Module as user-friendly as possible.

## R-Net Joystick with display - advanced



## Joystick Advanced

Art. no.	75045
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### The World's Most Advanced Joystick Module

The next-generation R-net Joystick Modules set new standards in user-interfaces – not least from the inclusion of a large, high-resolution and modern LCD screen.

Crisp graphics are made as large as possible to reflect the operating condition of the wheelchair. Large, high-resolution 3.5" VGA color display.

- Infra-Red (IR) Control as standard
- Integrated Bluetooth control as an option
- Stylish and ergonomic design
- Built-in light sensor to automatically adjust screen brightness
- Paddle switches for easy access to user controls
- Enhanced programming and customization options
- Speaker for enhanced horn volume
- Metal case for improved robustness
- Connect-and-Go

Additionally, easy-to-operate paddle switches are included as standard for on/off, profile, mode and speed adjustment selection, meaning that existing joystick module variants which include toggle switches and potentiometers are no longer required. There is also a significant amount of new programmability related to the user controls; for example the speed adjustment paddle can be programmed to momentary or continuous operation.

**Joystick module for dual attendant**



<b>Dual Attendant</b>	
<b>Art. no.</b>	75017

### Attendant Module

The R-net Attendant Module can be connected to any point in the system communications bus and can then provide control of drive, seating and any other function that is present.

- Simple transfer to/from user control
- Attendant speed control and display
- Attendant control of seating functions
- Attendant control of all other modes

The R-net Attendant Module can be connected to any point in the system communications bus and to provide control of drive, seating and any other function that is present. Transfer of control between user and attendant is via a simple pushbutton, with additional keys for setting the attendant's drive speed and accessing other system modes.

Traditional attendant systems are set so that the user can never gain control from the attendant. However, for maximum flexibility, the R-net can be programmed to allow this exception to happen should it be required.

**Gyro - incl. cables**



<b>Gyro</b>	
<b>Art. no.</b>	75033

### Gyro Module

Gyro technology adds an extra dimension to controlling a wheelchair, by maintaining the desired drive direction irrespective of the external forces acting on the wheelchair. Gyro technology adds an extra dimension to controlling a wheelchair, by maintaining the desired drive direction irrespective of the external forces acting on the wheelchair.

- Gyro technology for superior drive control
- Supports faster drive speeds on front-wheel-drive wheelchairs
- Eliminates spin-out
- Eliminates fish-tailing
- Perfect control on cambers
- Straight line driving over obstacles
- Dual gyros for enhanced safety
- Multiple mounting orientations
- Operates with standard Power Module

#### Straight Line Control

If the wheelchair is driving across a non-level surface, for example a camber, then to achieve straight line driving the user has to make frequent steering corrections. This is inconvenient when using a joystick, but becomes difficult when using a switch-type controlling device, such as a switch pad or head array. A further challenge in maintaining straight line driving is presented by obstacles, such as kerbs or door thresholds, particularly if they are of uneven height. The Gyro Module vastly improves control in all of these situations.

**Separate funktion Unit**



	<b>w. control unit R-net 75000</b>	<b>w. control unit R-net 75045</b>
<b>Art. no.</b>	71075	71417

### Separate funktion Unit

This unit allows the driver to operate all the chairs functions directly on the separate control panel allowing the chairs joystick to stay in driving mode.

If the chair is equipped with R-nets most sophisticated joystick-solution (75045) the functions unit can be operated simultaneously with driving the chair. Can be mounted on either side of the chair. (Typically on the armrest)

**Omni Speciality Control Interface from PG Drives Technology**



	<b>All round Joystick</b>	
	R-NET Omni	
<b>Art. no.</b>	75018	

The R-net Omni provides a universal Speciality Input Device interface with a large, easy-to-read, color LCD screen.

- General R-net interface for speciality controls
- Large, hi-resolution color display
- Dual channel inputs
- User selectable display - indoors/outdoors
- Customizable user menu
- Large, easy-to-read icons
- Programmable user text
- On-board configuration/programming
- Compatible with all R-net Input Devices
- Can control all powerchair functions
- Infra-Red (IR) control as standard

In 1998, PGDT developed a new word in rehab powerchair electronics - the Omni. The original Omni+ set new standards in speciality control interfacing and commissioning, and sales of the product exceeded all expectations. Nearly a decade later, PGDT are proud to offer the R-net Omni. Even today, it is only PGDT that offer a single module hosting a user display and compatible with such a range of Speciality Input Devices.

**mo-Vis all-round Joystick**



<b>Two connection options</b>	<b>All round Joystick</b>	
	R-NET bus	Omni
<b>Art. no.</b>	75062	75051

**The All-round Joystick is a compact version of the standard electronic wheelchair joystick module. As the name suggests, this joystick has been developed for all-round use and is suitable for the major part of wheelchair users. This fully proportional joystick has a compact housing and 2 jack inputs for switches**

- Fully proportional joystick with standard amplitude and power requirement (250 gr)
- Also available in a light version : see "All-round Joystick Light"
- Built in a compact and discreet housing with possibility of 1 or 2 "satellite switches" to connect directly via integrated insert parts
- Switches for on/off function or mode button, so directly connectable
- All-round use: can be used as a chin joystick, standard joystick, attendant joystick
- Built-in interface with sophisticated electronics: joystick adaptable to individual capabilities and needs
- Free downloadable software to configure joystick via PC (equipped with a mini USB port)
- Delivered with Quick-to-mount (Q2M) Rods and Clamps
- Omni, R-net, Easy Rider, e-fix Alber, Otto Bock Curtis and DX compatible (for Easy Rider, Efix, Otto Bock Curtis or DX, a supplementary interface is required)

**mo-Vis Satellite twister**



<b>single switch (arm)</b>	<b>Switch</b>
<b>Art. no.</b>	75053

**Satellite Twister (short cable)**

- Required activation force: 30 gr
- Easy to mount in different positions by using the Quick-to-mount (Q2M) system
- Available in two different cable lengths: 300 mm or 1500 mm
- 3.5 mm mono jack plug

## mo-Vis Micro Joystick



To tilslutnings- muligheder	Micro Joystick	
	R-NET bus	Omni
Art. no.	75063	75049

**This Micro Joystick is a small proportional joystick, especially designed for people with poor or weak muscular power and/or restricted movement.**

- Very small proportional joystick which can be controlled with minimal force (+- 8.5 gr)
- Joystick can be controlled by finger, lip, tongue, ...
- Ergonomic design for easy use
- Supplied with two ends: a small ball and a tub
- Due to the high sensitivity mainly to be used by people with neuromuscular diseases
- Separate interface with sophisticated electronics: joystick adaptable to individual capabilities and needs
- Free downloadable software to configure joystick via PC (equipped with a mini USB port)
- Delivered with Quick-to-mount (Q2M) Rods and Clamps
- Omni, R-net, Easy Rider, e-fix Alber, Otto Bock Curtis and DX compatible (for Easy Rider, Efix, Otto Bock Curtis or DX, a supplementary interface is required)

## mo-Vis Multi Joystick



To tilslutnings- muligheder	Multi Joystick	
	R-NET bus	Omni
Art. no.	75064	75050

**The Multi Joystick is designed to be used as chin joystick, but thanks to its flexibility, it can easily be controlled by other parts of the body. As the name says, this joystick is multifunctional and can be controlled by chin, finger, lip etc..**

**In our product range, the Multi Joystick is situated between the Micro Joystick and the standard All-round Joystick.**

- Pure proportional joystick with reduced amplitude and force requirement (50 gr)
- Built in a compact and discreet housing with two 3.5 mm jack inputs for switch input
- 1 or 2 switches (like e.g. Twister) can be immediately plugged as on/off or mode switch
- Recommended for people with tetraplegia or neuromuscular diseases (ALS, MS..)
- Light version of the standard joystick and therefore ideal for use as a chin-, lip- or finger joystick
- Separate interface with sophisticated electronics: joystick adaptable to individual capabilities and needs
- Free downloadable software to configure joystick via PC (equipped with a mini USB port)
- Delivered with Quick-to-mount (Q2M) Rods and Clamps
- Omni, R-net, Easy Rider, e-fix Alber, Otto Bock Curtis and DX compatible (for Easy Rider, Efix, Otto Bock Curtis or DX, a supplementary interface is required)

## mo-Vis Heavy Duty Joystick



To tilslutnings- muligheder	Multi Joystick	
	R-NET bus	Omni
Art. no.	75061	75065

**The All-round Heavy Duty Joystick is a durable version of the standard All-round Joystick with enlarged throw and force.**

**As the name suggests, this joystick has been developed for persons with excessive force development like spasticity, dystonia or users with extreme hypertonicity.**

**This fully proportional joystick has a compact and solid housing with 2 jack inputs for switches.**

- Fully proportional joystick with increased amplitude and high power requirement (650gr - 22.93 oz)
- All-round Heavy Duty use : can be used as joystick to be operate with the hand, the foot, ...
- Switches for on/off function or mode button, so directly connectable
- Fully adjustable to individual possibilities and needs
- Easily configurable with the free mo-Vis Configuration software
- Omni, R-net, Easy Rider, e-fix Alber, Otto Bock Curtis and DX compatible (for Easy Rider, Efix, Otto Bock Curtis or DX, a supplementary interface is required)





**P010-61 (R-net) Dual Port isolated USB Charger, 3 Amp**

The Dual Port isolated USB Charger can be used to charge any USB-powered device with a power consumption of up to 3 A. The unit is powered by the wheelchair (24 V) and will transform the 24 V input voltage to an USB output voltage.

N.B

The charger only functions when the chair is turned on.

N.B.

Connects to powered wheelchairs with R-net electronics

	<b>USB</b>
<b>Art. no.</b>	75059



This Power Supply adj. 7-20V, 3 Amp is intended to be fitted on any powered wheelchair with 24V connection and can be used to power any device with a DC voltage from 7 to 20 V and a power consumption of up to 3 A.

The unit is powered by the wheelchair (24V) and will transform the 24V input voltage to an adjustable (7-20V) output voltage.

The Adjustable Fused Power Supply is double fused: the power and ground wire of the output are fused. This is to prevent from accidents in case of a damaged load or cables.

	<b>Power Supply</b>
<b>Art. no.</b>	75060

## Mounts

Mounts for control boxes	Art. no
Swing mount - right	70151
Swing mount - left	70152
Fixed mount - right	70291-R
Fixed mount - left	70291-L
Bracket or mounting joystick for dual attendant - right	66482-R
Bracket or mounting joystick for dual attendant - left	66482-L
Mount for separate funktion Unit (art. no. 71075 & 71417)	70435
Swing mount for separate funktion Unit (art. no. 71075 & 71417)	70436

## Batteries

CT4/HD/VIPER/BOA (A pair is needed)	Gel Batteries From Exide/Sonnenschein			
	38 Ah*/33 Ah	56 Ah*/51 Ah	70 Ah*/63 Ah	80 Ah*/72 Ah
Battery (single)	69236	60735	63248	60337
<p>*Ah of the battery tested according to the C20 standard. C20 = Discharging the battery for 20 hours at a constant current until to its terminal voltage (usually about 1.75 volts)</p> <p>Battery capacity varies. Manufacturers will normally specify several discharge rates (in amperes) along with the associated discharge time (in hours). When the battery is discharged at a constant rate of current over a number of hours, this is referred to as the "C" rating. Many batteries are rated at the C20 rate, which means that they will deliver their amp hour capacity if discharged over 20 hours.</p>				

### NB!

Max Battery capacity for the BOA as standard build is 56 Ah. If more capacity is needed choose 70 Ah batteries and combine it with the mounting-kit - 69297. (This will increase the chairs height with 2 cm)

## Chargers

Charger for	CT4/HD/VIPER/BOA
EC-Buddy 10A - charger/XLR	71066

## Lights and indicators

	Lights - front and rear		
	CT4_/VISION PLUS/HD	VIPER	BOA
Art. no.	70150	70950	69280

	Separate Indicator Lights		
	CT4_/VISION PLUS/HD	VIPER	BOA
Art. no.	70420	71475	71475



<b>BASES PREPARED FOR LIFT</b>	<b>CT4/VISION/PYTHON REAR WHEEL DRIVE</b>	<b>HD- HEAVY DUTY REAR WHEEL DRIVE</b>	<b>VIPER FRONT WHEEL DRIVE</b>	<b>BOA ** CENTER WHEEL DRIVE</b>	<b>BOA2 ** CENTER WHEEL DRIVE</b>
<b>WHEELS + MOTORS + SHIELD INCLUDED</b> <i>(Excl. batteries)</i>	70655 (Python 71090)	70674*	71083	71080	71492

\* The Heavy Duty base is complete with 400W motors - 80 Ah batteries - massive flex tires and electronically reduced to a maximum speed of 9km/h. The lift is reinforced and reduced reg. height and backward tilt.

<b>ADAPTIVE BASE* (LIFT/TILT NOT AN OPTION)</b>	<b>CT4/VISION/PYTHON REAR WHEEL DRIVE</b>	<b>HD- HEAVY DUTY REAR WHEEL DRIVE</b>	<b>VIPER FRONT WHEEL DRIVE</b>	<b>BOA CENTER WHEEL DRIVE</b>	<b>BOA2 CENTER WHEEL DRIVE</b>
<b>WHEELS + MOTORS + SHIELD INCLUDED</b> <i>(Excl. batteries)</i>	69281	69282	69283	69284	69284

\* The adaptive base must only be chosen when lift and tilt functions and electrically operated seat functions are not required!

<b>LIFT/TILT</b>	<b>CT4/VISION/PYTHON REAR WHEEL DRIVE</b>	<b>HD- HEAVY DUTY REAR WHEEL DRIVE</b>	<b>VIPER FRONT WHEEL DRIVE</b>	<b>BOA CENTER WHEEL DRIVE</b>	<b>BOA2 CENTER WHEEL DRIVE</b>
<b>ELECTRICALLY OPERATED LIFT &amp; TILT</b>	71129	70239 (reinforced)	71105	71251	71251

**\*\* BOA and BOA2**

The primary difference between the BOA and The BOA2 is the reduced width on BOA2 (59 cm) and the separate independant wheel suspension on each front wheel.

The suspension will make the BOA2 feel soft to handle outside and allow the chair to handle very well in rough terrains.

If mainly used in the city BOA will handle a little more stiff but also "dip" less and appear very stabile making the driver feel safe.



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