

## Surgeon chair Carl



## GENERAL

Rini's surgeon chairs in the "Carl" series are ergonomically designed for different types of microsurgery and are available with various special armrests.

There are extensive possibilities for adjusting the backrest and seat and the chairs are also easy to raise and lower with the feet. This gives the surgeon a tailor-made high quality work environment.

The chairs have been developed in close collaboration with surgeons in Sweden and internationally and several thousand are in operation worldwide.



### **Carl Mk2**

Electrical chair

Electrical brake

Optional armrests



### **Carl Mk2E R7**

Electrical chair

Electrical brake

Electrical armrests



### **Carl Mk2 R8**

Electrical chair

Electrical brake



### **Carl 4 Foot**

Electrical chair

Mechanical brake

Optional armrests



### **Carl 4 Heel**

Electrical chair

Mechanical brake

Optional armrests



### **Carl Spring**

Manual chair

Mechanical brake

Optional armrests



### **Carl Swing**

Manual chair

Optional armrests

## ARMRESTS

Properly used arms will support and improve the comfort and ergonomics for the surgeon. A well supported surgeon will work with a higher precision and will reduce possible hand tremble.

The armrests have been developed based on research and alongside with surgeons around the world to get the best solution for different needs. They are especially adapted for different types of microsurgery such as Neuro-, ENT-, Eye-, Plastic-, Robot- and Dental surgery.

With over 20 years experience we believe that we will have the armrest solutions for you:



### One grip armrest R7

Stable armrests that can be adjusted under sterile coverage, through a one-handed grip. A comfortable cup-shaped armrest is standard and it is possible to choose other arm cushions.



Optional arm cushions:



**140-00323-00**  
Cushion soft & convex



**140-00323-01**  
Cushion soft & rectangular



### Rilis Armrest R6

Patented safety feature that prevents them from being disrupted when under load. Height, angle and length is adjusted with push buttons. Curved soft cushions.



### Easy Armrest R5

Cup shaped, stable and comfortable armrests with a wide range of movement. Ball joints that are locked with a knob.



#### Option:

- ① **140-00324-01** Extended height adjustment  
0-540mm / 21in from standard seat
- ② **140-00324-00** Extended height adjustment  
0-440mm / 17in from standard seat  
When working higher up or further away from your body.
- ③ Standard height is adjustable 0-300mm / 0-12in from standard seat.

## STANDARD SEAT COLOURS



**140-00118-00**  
**blue vinyl**



**140-00118-02**  
**black vinyl**



**140-00247-00**  
**blue art leather**



**140-00247-02**  
**black art leather**

Vinyl has an airy, ventilated, slick texture good for long sessions

Seat 420x460mm / 16x18in

Back 300x350mm / 12x14in

Artificial leather has a denser structure and is easy to clean.

## OPTIONAL SEATS FOR CARL ELECTRICAL



**140-00306-02**  
**cushion kit soft padding**  
Suitable for longer surgeries, thick padding.  
Seat 440x400mm/17x16in  
Back 290x300mm/11x12in



**140-00321-02**  
**Saddle seat Amazone**  
When seated higher up. Slim with thick padding.  
Seat 320x340mm/13x13in  
Back 240x120mm/9x5in



**140-00322-02**  
**Saddle seat Jupmer**  
Wider with thicker padding.  
Seat 320x430mm/13x17in  
Back 240x120mm/9x5in

## GENERAL



Seat height is adjustable between  
**Carl Electrical** 490-800mm / 19-31in  
**Carl Spring** 540-680mm / 21-27in  
**Carl Swing,**

Low 430-570mm / 16-22in

Standard 500-700mm / 20-28in

High 580-820mm / 23-32in



Seat and backrest can be tilted  
Seat: **Electrical chairs** +5° to -15°  
**Manual chairs** +3° to -12°

Backrest: **Electrical chairs** -15° to +20°  
**Manual chairs** -8° to +12°



The width of the armrest can be adjusted to suite your needs.

Armrest can be adjusted front to back and in the suitable position/angle.



## ELECTRICAL CHAIRS

The electrical Carl chairs are easy to raise and lower electrically through buttons operated with the foot. The brake is also foot operated, some of the Carl chairs has an electrical brake. They are battery operated and easy to move.

### CARL MK2

- 120-00133-03 Carl Mk2 R5
- 120-00133-00 Carl Mk2 R6
- 120-00133-01 Carl Mk2 R7
- 120-00133-05 Carl Mk2E R7
- 120-00133-02 Carl Mk2 R8



Great accessibility for feet and equipment pedals through a uniquely designed undercarriage composing of three wheels.

Convenient to move thanks to easy-rolling wheels and a stable parking position by an electrical braking system.

All in all, Carl Mk2 offers the surgeon a tailor-made work environment of the highest quality.



Lifting capacity	150 kg / 331lb
Weight	43kg / 95lb
Height adjustment	490-800mm / 19-31in
Wheel frame	550x560mm / 22x22in
	Battery operated
	Electrical brake

Option:

**140-00327-00 Pedal platform 600x680mm/24x27in**

To get pedals to follow the chair and be higher up

### CARL MK2E ONEGRIP ELECTRICAL R7



The electric version of R7 armrests are adjustable in height electrically. R7 armrests can be adjusted under sterile cover, both in height and in angle.

Carl Mk2E R7 offers a wide movement range in both arm height and angle, to make it possible to find the perfect arm position.

### CARL MK2 FLEXIDOC R8



The "FlexiDoc" armrests R8 are suitable for the most demanding of surgical procedures where adjustments under sterile coverage need to be made during surgery.

Flexidoc armrests have smooth movements, that seamlessly are adjusted and follows your arm, with a simple thumb grip.

## CARL 4 FOOT

120-00102-04 Carl 4 Foot R5  
120-00102-00 Carl 4 Foot R6  
120-00102-02 Carl 4 Foot R7



Electrically powered surgeon chair where height adjustment is controlled with buttons on top of the front wheels. Usually preferred when seated high up.

The chair has large, stable wheels and mechanical brakes on the back wheels.

Dynamic chassis, all 4 wheels will always be steady on the floor.

Lifting capacity	150 kg / 331lb
Weight	45kg / 99lb
Height adjustment	490-800mm / 19-31in
Wheel frame	520x530mm / 20x21in
	Battery operated
	Mechanical brake

Option:

### 140-00129-01 Footrest for Carl 4 foot

Good for when sitting high up, the footrest follows the movements of the chair when height is adjusted

## CARL 4 HEEL

120-00102-05 Carl 4 Heel R5  
120-00102-01 Carl 4 Heel R6  
120-00102-03 Carl 4 Heel R7



Electrically powered surgeon chair with large, stable wheels and mechanical brakes on the back wheels.

The height adjustment is controlled using the heels, buttons placed between the front wheels.

Dynamic chassis, all 4 wheels will always be steady on the floor.

Lifting capacity	150 kg / 331lb
Weight	45kg / 99lb
Height adjustment	490-800mm / 19-31in
Wheel frame	520x530mm / 20x21in
	Battery operated
	Mechanical brake

Option:

### 140-00128-02 50mm / 2in lower lifting column for Carl 4

Good for surgeons that need a lower seating height

## MECHANICAL CHAIRS

### CARL SWING

120-00101-00 Carl Swing R6

120-00101-01 Carl Swing R7



Carl Swing is rotatable and equipped with a gas spring for height adjustment.

This is made with an ergonomically designed foot control under the chair.

The chair is flexible for the surgeon and offers a variety of different armrests to match clinical demands.

The angle of load on the backrest is self-adapting and the angle of the seat and backrest is adjusted with a simple motion.

High friction castors are standard.

Lifting capacity	120kg / 264lb
Weight:	19kg / 41lb
Height adjustment:	
Low	430-570mm / 18-22in
Standard	500-700mm / 20-28in
High	580-820mm / 23-32in

### CARL SPRING

120-00100-00 Carl Spring R6

120-00100-01 Carl Spring R7



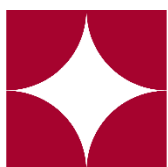
Surgeon chair with mechanical height adjustment through an ergonomically designed foot control under the chair.

The chair has large, stable wheels and mechanical brakes on the back wheels.

Stable design which guarantees a comfortable and safe workplace

The angle of load on the backrest is self-adapting and the angle of the seat and backrest is adjusted with a simple motion.

Lifting capacity	120kg / 264 lb
Weight	25kg / 55lb
Height adjustment	540-680mm / 21-27in
Wheel frame	520x530mm / 20x21in
	Mechanical brake



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