



rini

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**  
Electric chair  
Electric brake  
Optional armrests



**Carl Mk2 R8**  
Electric chair  
Electric brake



**Carl 4 Foot**  
Electric chair  
Mechanical brake  
Optional armrests



**Carl 4 Heel**  
Electric 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 good 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:



### One grip armrest R7

Stable armrests that can adjust under sterile coverage, set with 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 & rektangular



### Rilis Armrest R6

Patented safety feature that prevents them from being disrupted when under load. Height, angle, and length is adjusted with 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:

**140-00324-00** Extended height adjustment 350mm / 14 in

**140-00324-01** Extended height adjustment 450mm / 18 in

When working higher up or further away from your body.

Standard height is 225mm / 9 in.

## 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 ELECTRIC



**140-00306-02**  
cushion kit soft padding  
Suitable for longer surgeries, thick padding on both back and seat



**140-00321-02**  
Saddle seat Amazone  
When seated higher up. Possible to have small or bigger backcushion



**140-00322-02**  
Saddle seat Jupmer  
Wider with thicker padding. Possible to have small or big backcushion

## GENERAL



Seat height is adjustable between  
**Carl Electric** 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: **Electric chairs** +5° to -15°  
**Manual chairs** +3° to -12°

Backrest: **Electric 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 adjusted in the suitable position/angle.

## ELECTRIC CHAIRS

The electrical Carl chairs are easy to raise and lower electrically through buttons operated with the foot. Brakes are also foot operated, some of the Carl chairs have an electric 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**
- 120-00133-02 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 electric 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**

To get pedals to follow the chair and be higher up

### 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. This is done with controls for the thumb.

Easy to clean with smooth surfaces and encapsulated details

## CARL 4 FOOT

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



Electric powered surgeon chair where height adjustment is controlled with buttons on top of the front wheels.

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

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

Usually preferred when seated high up.

Lifting capacity	150 kg / 331lb
Weight	45kg / 99lb
Height adjustment	490-800mm / 19-31in
Wheel frame	520x530mm / 21x21in
	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



Electric powered surgeon chair with big, 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 / 21x21in
	Battery operated
	Mechanical brake

## 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 / 265lb
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 by an ergonomically designed foot control under the chair.

The chair has big, 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
	Mechanical brake



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