

# Woven Air Cushions








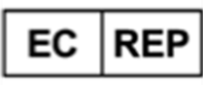




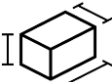


INSTALLATION & USER MANUAL

## CONTENTS:



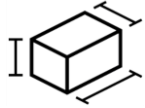
	<b>PAGE</b>
Items included in this package	4
Intended use	5
Caution - risks identified	5
Disclaimer	5
Product life expectancy	6
Warranty	6
Installation instructions	7
Fitting the cushion to the user	8
Knowing your woven air cushion	9
Adding & removing air tubes	9
Determining the quantity of air tubes for the user	12
Other accessories	13
Caring for your cushion	14

## SYMBOLS

	Identifies products that meet the requirements of Regulation 2017/745 / EU on medical devices		Batch code
	Indicates that a product is a medical device		Catalogue number
	Shows the manufacturer of the medical device		Date of manufacture
	WC20 & ISO7176-19 certified for forward facing use in a motor vehicle		Authorized representative in the European Community
	Product weight (kgs)		Consult instructions for use
	Max User Weight (kgs)		Warnings
	Product Dimensions		

	<p><b>WOVEN AIR CUSHIONS</b></p> <p>The Woven Air Cushion is an adjustable air cushion with pressure redistribution without any ongoing maintenance.</p>
	<p><b>WOVEN AIR INSERTS FOR G7 &amp; STX CUSHIONS</b></p> <p>Woven Air inserts are available as a replacement to the Cluster Gel Fluid packs. These cushions enable the installer various levels of adjustment to configure the cushion to suit both symmetrical &amp; asymmetrical postures. The G7 cushion has a low 20mm contour profile &amp; the STX an 80mm high contour profile with increased adjustability.</p>
	<p><b>SPRINT CUSHION</b></p> <p>Designed for the active user, the Woven Air Sprint Cushion is slim &amp; incorporates a high-resilient thigh platform with Woven Air inserts in the rear portion.</p>

## WEIGHTS & DIMENSIONS

ITEM			
Woven Air Cushion	Up to 2	180kg	51cm x 56cm x 10cm
Woven Air Ignite Cushion	Up to 1.8	180kg	51cm x 56cm x 10cm

## INCLUDED IN THIS PACKAGE

### Woven Air Cushion

1. Outer Cover
2. Inner Air Pocket
3. Air Tubes (see table below for quantities)



### G7 / STX2 Woven Air Insert

1. Inner Air Pocket
2. Air Tubes (see table below for quantities)



### Woven Air Sprint Cushion

4. Outer Cover
5. Comfort Wrap
6. Inner Air Pocket
7. Air Tubes (see table below for quantities)



CUSHION SIZE	WOVEN AIR CUSHION CODE	AIR TUBES INSIDE WOVEN AIR CUSHION (each cushion also has 4 extra spare tubes)	G7 / STX2 WOVEN AIR INSERT CODES	AIR TUBES INSIDE G7 / STX2 CUSHION (each cushion also has 4 extra spare tubes)	DREAMLINE IGNITE CUSHION CODES	AIR TUBES INSIDE DREAMLINE IGNITE CUSHION (each cushion also has 4 extra spare tubes)
14X14	WAC1414	16	WAI1414	6	DIC1414	6
14X16	WAC1416	16	WAI1416	8	DIC1416	8
14X18	WAC1418	16	WAI1418	10	DIC1418	10
15X16	WAC1516	16				
15X18	WAC1518	16				
16X14	WAC1614	16*	WAI1614	6	DIC1614	6
16X16	WAC1616	16*	WAI1616	8	DIC1616	8
16X18	WAC1618	16*	WAI1618	10	DIC1618	10
16X20	WAC1620	16*	WAI1620	10	DIC1620	10
17X17	WAC1717	16*	WAI1717	8	DIC1717	8
18X16	WAC1816	16*	WAI1816	8	DIC1816	8
18X18	WAC1818	16*	WAI1818	10	DIC1818	10
18X20	WAC1820	16*	WAI1820	10	DIC1820	10
18X22	WAC1822	20*	WAI1822	12	DIC1822	12
20X18	WAC2018	16*	WAI2018	10	DIC2018	10
20X20	WAC2020	20*	WAI2020	10	DIC2020	10

\* Uses 90mm high Air Tubes (the rest use 70mm high air Tubes)

## INTENDED USE

This item is intended for use primarily as a cushion for persons with disabilities in a wheelchair. If there are any questions about product installation or compatibility with the wheelchairs, ROLAPAL customer service should be consulted.

**Indication:** Partially or permanently non-ambulatory limited to a sitting position

**Contra-indication:** None



## CAUTION - RISKS IDENTIFIED

- Under-filling the cushion – ensure there is enough air in the cushion, so the user does not penetrate through the cushion, risk of pressure injury.
- Over-filling – if there is too much air in the cushion it becomes firm & does not enable the occupant to immerse properly. Risk of increasing pressure.
- This cushion can be positioned in many ways, take care to ensure the desired outcome is achieved for the occupant.
- Keep away from heaters and open flame – risk of fire.
- Take care when using this cushion in direct sunlight. Parts may heat up and increase risk of burns to the occupant.
- The cushion must overhang the front edge of the seat base it is attaching to by at least ½” (13mm) to protect against skin damage occurring from the seat base front edge.
- Do not use the cushion if the occupant’s weight is more than the maximum recommended user weight of the cushion.
- The set-up of the wheelchair can affect the comfort of the cushion. Ensure the wheelchair is configured to match the measurements & sitting position of the user.
- An incorrectly fitted cushion can cause potential harm to the user. Carefully read the fitting instructions for correct positioning & orientation of the cushion on the wheelchair.

## REPORTING OF INCIDENTS

All serious incidents occurring in relation to the product must be reported to ROLAPAL Ltd and your competent authority!

## DISCLAIMER

Because of the infinite adjustability of the cushion, Rolapal accepts no responsibility for the therapeutic outcome for the occupant. This is the responsibility of the prescribing seating therapist or technician.

## REUSABILITY

The product is basically suitable for reuse. The reuse handover takes place after the product has been checked by the specialist trade.

## **SPECIAL STORAGE/HANDLING CONDITIONS**

Do not store in environments above 50°. Do not store close to roofs to avoid heat. If not in use, please store in dust free environments.

## **PRODUCT LIFE EXPECTANCY**

This item is expected to last between 2 – 5 years under normal use but this can change dramatically between users depending on the length of time in use, environment & weight of the user.

## **END OF LIFE RECYCLING**

At the end of its useful life, the foam inner and covers are general waste disposal.

## **GUARANTEE**

Woven Air Cushions are manufactured to a very high standard and carry a guarantee against defects in materials and craftsmanship for a period of 18 months under normal use.

Any item found to be defective will be repaired or replaced at the discretion of Rolapal Ltd.

Goods must be returned to Rolapal Ltd for assessment and the new repaired or replaced item will be sent free of charge.

This guarantee does not cover items which are damaged from general “wear and tear”, misuse or negligence.

## INSTALLING YOUR WOVEN AIR CUSHION ONTO THE WHEELCHAIR

### ATTACHMENT

The cushion is designed to attach to the wheelchair with hook/loop attachment directly to the seat base or slung upholstery of the wheelchair or to a separate fitted seat base.

Check the cushion fits the wheelchair frame. If the cushion is too narrow it may move around on the wheelchair frame. The cushion should fit snugly between the armrests of the wheelchair (to the outside edges of the seat rails of the wheelchair).

If the sling upholstery seat base of the wheelchair causes the cushion to “hammock” use a lightweight Dreamline Cushion Rigid base. The Dreamline rigid base attaches via hook & loop directly to the underside of the cushion foam inner.

### ORIENTATION

The “Care” labels on the cushion inner & covers mark the rear bottom of the cushion. The soft stretchy surface of the cushion & covers is the top surface.

Top Front of cushion



## **FITTING THE CUSHION TO USER**

Before fitting, check the size of the cushion suits the user. The cushion must fully support the base of the user. Woven Air™ cushions have the best pressure management effect if the cushion dimensions are closer to the dimensions of the user. If the cushion is too short the user may be unstable and uncomfortable in the cushion. A cushion which is too long may cause the user to pull forward into posterior pelvic tilt. When the user is sitting right back in the cushion against the backrest there should be approximately 1" (2 finger spaces) from behind the user's knee to the front edge of the cushion.

If the user has a leg length discrepancy, the cushion should be customised to accommodate the discrepancy so the user can sit straight in the cushion. An un-accommodated leg length discrepancy may cause posterior pelvic tilt and/or pelvic rotation.

Ensure the length from the top surface of the cushion to the top surface of the footplate wheelchair is set up correctly for the user. The left side may be different to the right side so both need to be measured individually. The lower leg length should be set up so that the front of the cushion lightly takes the weight of the user. If the footplates are set too high the weight of the user will be concentrated under the Pelvis increasing the risk of pressure. When the footplates are set too low the user may slip forward in the seat &/or circulation may be reduced to the lower limbs.

Sit the user straight in the cushion with an even amount of spacing each side of the user. This will help ensure the user develops a symmetrical mid-line posture.

Use the positioning pads to accommodate or correct pelvic & femoral asymmetries. They can be set up according to the wishes of the prescribing therapist to asymmetrically change the contours of the cushion. i.e., to increase the pre-ischial shelf, correct pelvic obliquity etc.

**NOTE: It is preferable to use positioning pads to correct or accommodate asymmetries rather than adjusting the air cells as adjusting the air cells may compromise the pressure redistribution effect of the cushion.**



## ADJUSTING WOVEN AIR CUSHIONS

Woven Air Cushions & inserts are despatched from factory with a predetermined quantity of “Air Tubes” installed on the cushion (they can be found in the table on page 3).

Sometimes it is necessary to adjust the amount of air in the cushion depending on the fit of the user to the cushion. The air pressure inside Woven Air cushions is adjustable. Remove the outer cover then unzip the inner exposing the “Air Pocket” containing the “Air Tubes”.

## KNOWING YOUR CUSHION

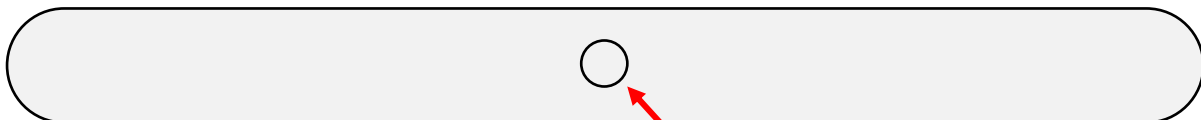
1. **Air Tubes** – these contain the air which equalizes pressure.

**Each Air Tube has seam running along the length. During installation, the seam must face downwards so it does not come in contact with the occupant.**



**When removing “Air Tubes”, use the table on page 3 to check the minimum “Air Tubes” for each cushion size.**

Each “Air Tube” has a heat pressed circle in the centre.



2. **Air-Pocket** – the “Air Pocket” is the cushion inner which contains the “Air Tubes”.

The “Air Pocket” is separated into left & right sections.

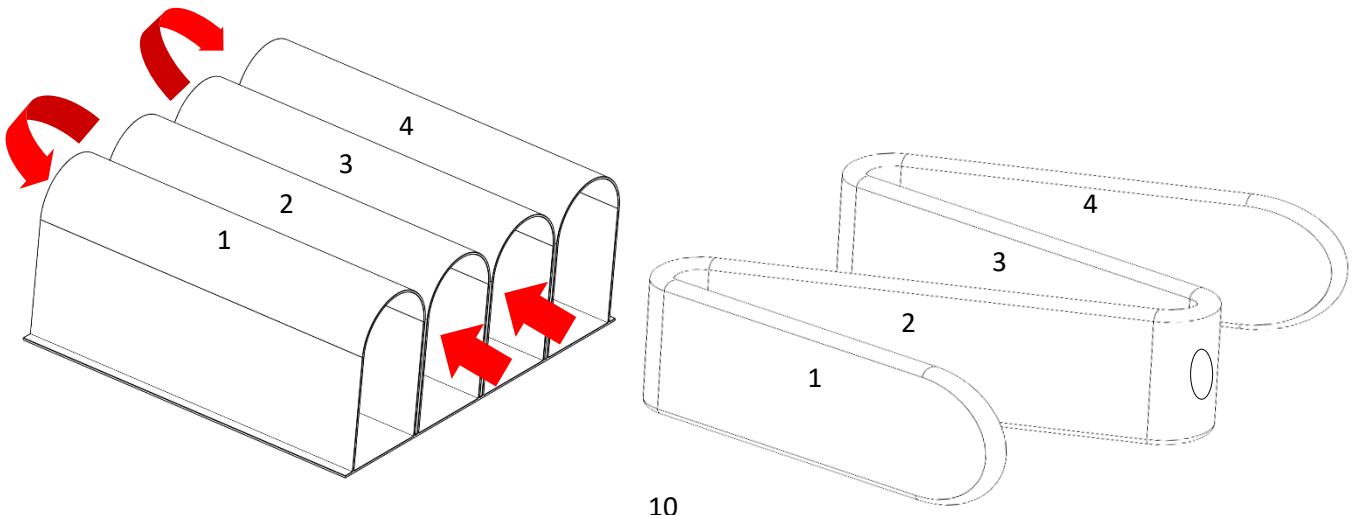


The underside of the Air-pocket is hook receptive loop fabric. This enables the use of positioning pads to be attached such as the contour base & pelvic obliquity pads.

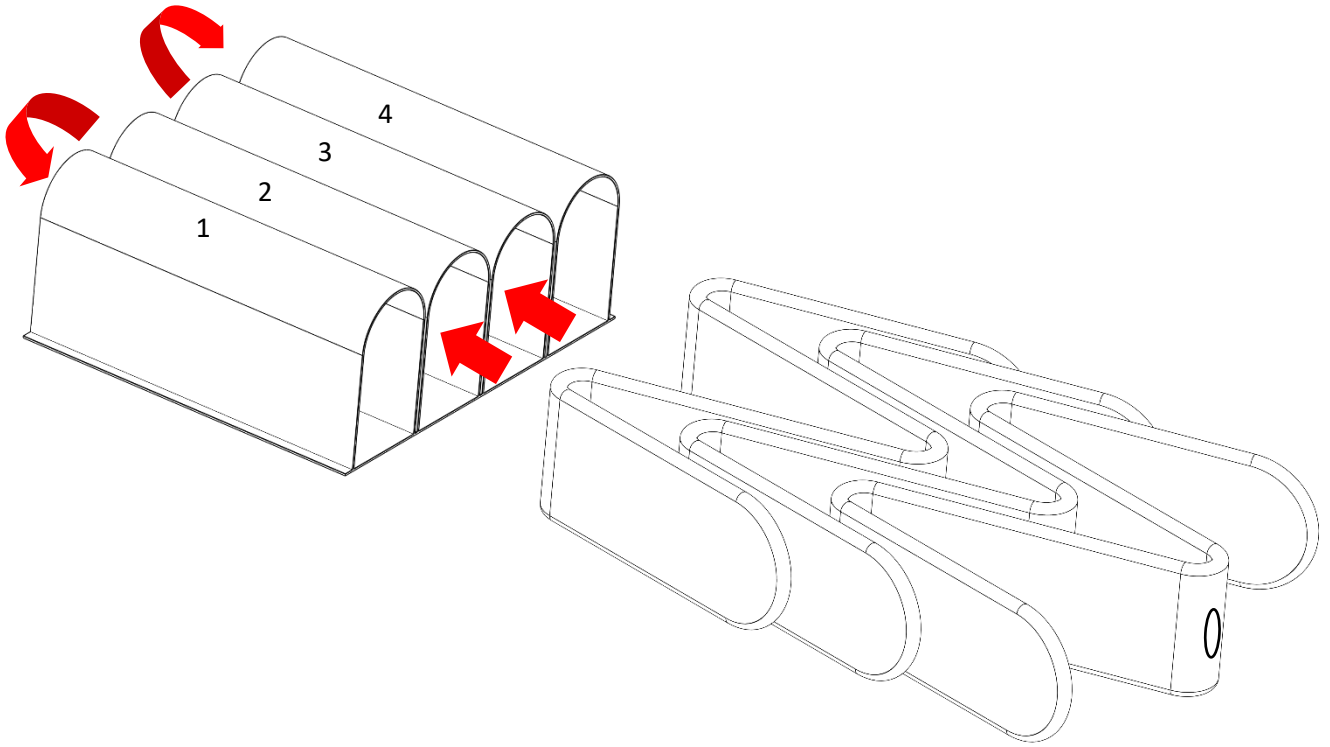
Each left & right section of the Air-Pocket contains 8 pockets (or 4 pockets on the G7 / STX2 inserts).



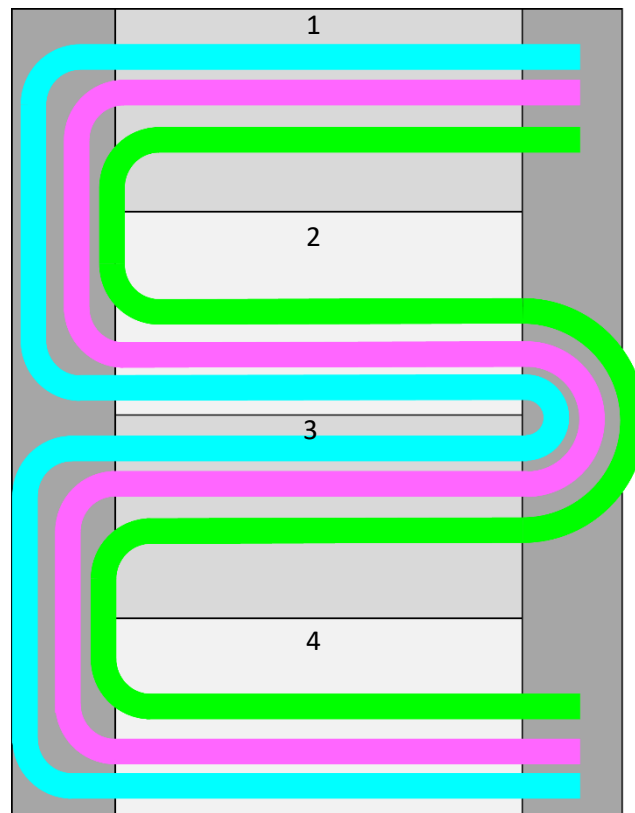
Each “Air Tube” weaves through 4 pockets (either front 4 or the rear 4) so that the air from each “Air Tube” covers a quarter of the cushion. The weave pattern is shown below. The round circle at the centre of each tube marks the centre point & faces the outside edge of the cushion between 2<sup>nd</sup> & 3<sup>rd</sup> pockets.



When adding more “Air Tubes” feed the first end of the “Air Tube” into pocket 2 then out through pocket 1 & then feed the 2<sup>nd</sup> end of the “Air Tube” into pocket 3 & out through pocket 4.



Do not overlap the “Air Tubes”, ensure they are placed side by side as per the below “top view” diagram.

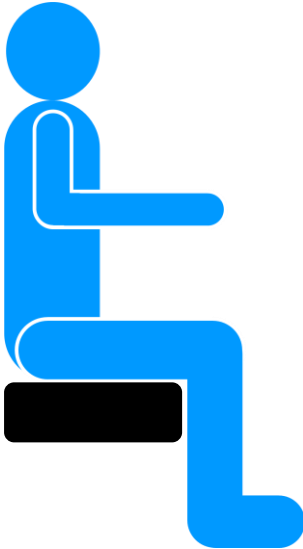


## HOW TO DETERMINE THE QUANTITY OF AIR TUBES FOR THE USER

1. Not enough “Air Tubes” can cause the user to penetrate through the cushion & make contact with the wheelchair base underneath risking a pressure injury to the occupant.
2. Too many “Air Tubes” will make the cushion firmer reducing the immersion, envelopment & pressure redistribution properties of the cushion.

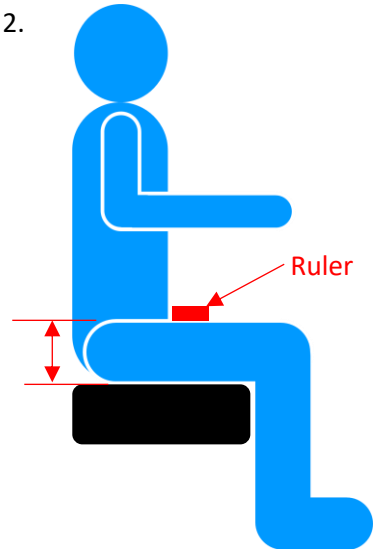
Use the below method to determine the quantity of “Air Tubes” under the user.

Step 1.



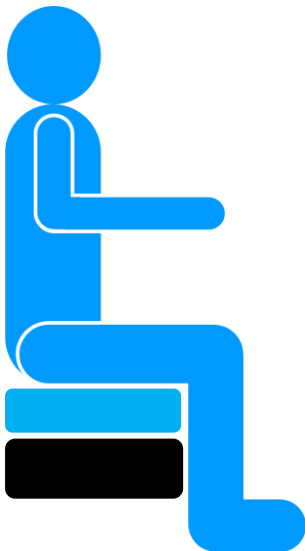
Sit the user on a firm surface such as a plinth.

Step 2.



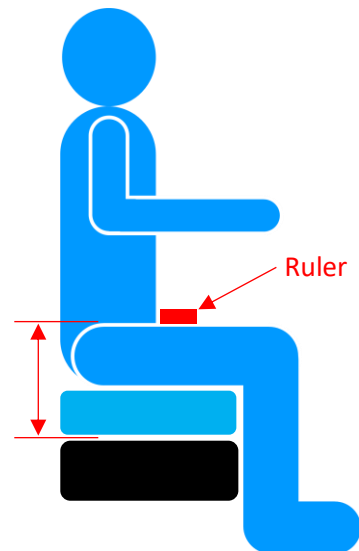
Place a straight object such as a ruler across the thighs of the user directly in front of their torso & measure the height of both the left & right sides.

Step 3.



Next, sit the user onto the Woven Air cushion placed onto the firm plinth.

Step 4.



Then with a ruler across the thighs of the user again, measure the height of the user & Woven Air cushion combined & compare the measurement with Step 2 measurement.

**The difference between step 4 & step 2 measurements should be between 40 – 70mm for a Woven Air cushion, 30 – 60mm for an Ignite cushion, and 60 – 90mm for a G70/98/2023 insert.**

## ACCESSORIES

**WOVEN AIR CONTOUR BASE** – Adds gentle contouring to the cushion for increased stability & offloading.



WAC1212CB	WAC1214CB	WAC1414CB	WAC1416CB	WAC1418CB
WAC1616CB	WAC1618CB	WAC1620CB	WAC1717CB	WAC1816CB
WAC1818CB	WAC1820CB	WAC1822CB	WAC2018CB	WAC2020CB

**EXTRA WOVEN AIR TUBES** – For customisations or replacement.



WOVEN AIR CUSHIONS (packs of 4)

WAT1260	WAT1460	WAT1690	WAT1790	WAT1890
WAT2090				

WOVEN AIR INSERTS (packs of 4)

WAT1260	WAT1460	WAT1660	WAT1760	WAT1860
WAT2060				

**CUSHION RIGID BASE** – Attaches with hook directly to the reciprocal loop on the underside of the cushion inner.



DCRB1212	DCRB1214	DCRB1414	DCRB1416	DCRB1418
DCRB1616	DCRB1618	DCRB1620	DCRB1717	DCRB1816
DCRB1818	DCRB1820	DCRB1822	DCRB2018	DCRB2020

**PELVIC OBLIQUITY PADS** – attaches with hook directly to the reciprocal loop on the underside of the cushion inner.

(Set of 4)



DCOP12	DCOP14	DCOP16	DCOP18	DCOP20
--------	--------	--------	--------	--------

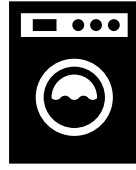
## CARE INSTRUCTIONS



Do not iron



Drip dry only



Machine washable



No bleach or strong cleaners

- **Outer Cover** (Nylon / Spandex / PU / Polyester / Neoprene)
  - Machine washable to 50°C. Drip dry only. Do not Iron. Do not use bleach or other strong cleaners.
- **Incontinence Cover (if fitted)** (PU / Nylon / Spandex)
  - Wipe down only with soapy water and drip dry thoroughly before re-installing the outer cover. Do not iron, do not use bleach or strong cleaners.
- **Cushion Inner**
  - The cushion inner can be hand washed using normal detergents. Do not remove the “Air Tubes” for washing but wash the entire unit as a whole.
  - Drip dry only.
  - Do not machine wash.
  - Do not tumble dry.
  - Do not iron.
  - Do not use strong cleaners or bleach.

# Dreamline

WHEELCHAIR SEATING



*Posture adaptive*

*Pressure reactive*

*Performance effective*

**Ignite**

**SPLASH**

**Dreamline**

WHEELCHAIR SEATING



**Woven Air**

**snooza**



## *Quality Assurance*

*Rolapal Ltd is an ISO 9001, 14001 & 45001 certified company!*

# Dreamline

## WHEELCHAIR SEATING

by

# ROLAPAL



Dr Dreamline

Check out our "How to"  
Videos Pages

Manufactured By:

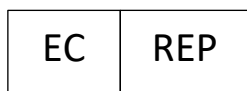


**ROLAPAL Ltd**

14 Marphona Crescent, Takanini 2105 Auckland, New Zealand

Email: [info@rolapal.co.nz](mailto:info@rolapal.co.nz)

Website: [www.rolapal.co.nz](http://www.rolapal.co.nz)



BEO MedConsulting Berlin GmbH

Helmholtzstraße 2–9, D-10587 Berlin

