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The Team

At Caroskin, we are committed to providing the best care for your patients. We are a creative and flexible team always ready to take on challenges and develop unique ideas.

As an innovative company, we are in daily contact with healthcare professionals. In this way, we translate their wishes, ideas and comments into state-of-the art products enabling our patients to enjoy the best possible care.

Besides working closely with healthcare professionals, we also collaborate with universities, experts and knowledge institutions.

About Caroskin

Caroskin is a specialist in manufacturing high-quality medical devices, with a focus on customised and prefabricated compression garments. Our range of products can be broken down into six categories: Caroscar, Carolym, Caroveno, Caroposture, Caroray and Carostomy, each addressing specific care needs.

Our story is dominated by the manufacture of compression garments widely used by leading healthcare institutions and companies. We have extended our expertise to custom-made silicone dressings, compression garments and silicone.

Our compression garments comply with European compression standards, with ratings of Ccl 1: 18-21 mmHg light compression, Ccl 2: 23-32 mmHg moderate compression and Ccl 3: 34-46 mmHg powerful compression. We guarantee quality and flexibility in our production processes, with the opportunity for customers to be closely involved in the design.

Our production department is an integral part of our company. This guarantees a smooth and streamlined process.

Based in Nazareth near Ghent, Caroskin is an ISO 13485-certified company.

Mission

Our goal at Caroskin is to provide support to patients in their pursuit of the optimal quality of life! Our compression garments combine clinical effectiveness with comfort, highlighting the therapeutic power of compression. In doing so, we help our patients achieve and exceed their goals in every possible way.

Our comprehensive service model, from pre-sales to aftercare, allows us to optimally support each patient in their pursuit of that optimal quality of life! All of which makes Caroskin your trusted partner on the road to better health.

Vision

Caroskin is committed to a future where every patient can live a life unimpeded by the limitations of his or her condition. Our goal is to be at the forefront of medical knitting innovation where compression garments serve as catalysts for recovery and comfort.

We also strive to be an essential healthcare partner for both patients and healthcare providers. By focusing on possibilities rather than limitations, Caroskin seeks to maximise the quality of life of our patients.





After-treatment of scars and burns

Customised compression garments and silicone products for aftercare for burns and scars.



Carolym

Treatment of lymphatic disorders

Bespoke and prefabricated compression garments and silicone bandages for the treatment of lymphoedema.



Caroveno

Treatment of venous insufficiency

Compression stockings for the treatment of various venous disorders.

Caroposture

Neurological pressure garments

These pressure garments are used in occupational and neurological physiotherapy for clients with, for example, cerebral palsy (CP), autism, hypotonia, MS or other neurological conditions. Caroposture also helps treat various types of pain, such as CRPS.



Caroray

Radiotherapy bra

Standard unilateral bras that provide optimal breast support during radiotherapy.



Carostomy

Ostomy belt

Ostomy belt for optimal stoma support and post-operative abdominal wall care.



About Carolym

Treatment of lymphatic disorders

Carolym, caring for lymphatic disorders.

Carolym offers various solutions for the treatment of lymphatic disorders. At Caroskin, you will find a wide range of products for effective oedema care, both standard and customised.

An important product in the Carolym range is the Caroskin SilWrap. This is a unique silicone bandage that is used after the acute phase. It improves the skin condition and tackles fibrosis. The SilWrap provides a sense of freedom and self-reliance because patients can bandage and manage their own arms, hands, or legs.

Lymphoedema occurs when lymphatic pathways or lymph glands are damaged and lymph circulation is disrupted. It often affects people who are treated for breast cancer and those who have lymph glands removed along with a cancerous swelling in the armpits, also known as axillary gland clearance. This intervention blocks the lymphatic drainage in the arm and can result in the swelling of the whole arm or at specific places. Around one in three patients who are treated for breast cancer develop lymphoedema of the arm due to the removal of the lymph glands.





GLOVES

- Seamless
- Cuff without pressure
- Open fingers



SILWRAP

- Silicone
- AD leg
- Moisture balance + pressure



ARM SLEEVE

- CG arm stocking
- Prefabricated/
 customised

The what, where and how of lymphoedema

What is lymphoedema:

Lymphoedema is a disorder characterised by an abnormal build-up of lymphatic fluid. This is caused by damage to or the absence of lymph vessels or the overproduction of lymphatic fluid.

The lymphatic system plays a crucial role in the immune system; arteries transport blood from the heart to the tissues and some of this blood serum leaks from the smallest blood vessels to the tissues as lymphatic fluid. The lymphatic fluid then flows via the lymphatic system back to a large vein near the heart, passing many lymph glands along the way. In these lymph glands, white cells filter out pathogens such as bacteria and fungi. This process can cause pain and swelling, often in the arms or legs, but also in the face or torso.

Lymphoedema can limit mobility and have a significant emotional and psychological impact on the sufferer. Treatments tend to focus on the reduction of the swelling and the stimulation of lymphatic drainage.



Types of oedema:

As well as lymphoedema, there are others forms of oedema. Venous oedema, for example, is caused by problems with blood vessels, while cardiac oedema is due to the heart not being able to pump sufficient blood. Traumatic oedema appears after injuries and inflammatory oedema is a response to infection.

Irrespective of the type of oedema, treatment often focuses on reducing swelling and improving circulation. Compression therapy, such as wearing compression garments, offers effective support when treating various types of oedema.

Lymphoedema can be primary or secondary:

- I. **Primary lymphoedema** is congenital and may be hereditary. The patient has a congenital deficiency of lymphatic vessels or reduced functionality thereof. This often manifests in the legs and sometimes in the arms. In the early years, the swelling is often not recognised as lymphoedema but, without treatment, it can become permanent.
- 2. **Secondary lymphoedema** is more common and is caused by damage to the lymphatic vessels or lymph glands. This can be due to the removal of axillary glands during breast cancer treatment, after operations on the legs which include the removal of lymph glands, or radiation, thrombosis, varicose veins, infections, an accident or a major operation.

Effect of compression garments on oedema:

I. Compression garments apply pressure to the surrounding tissue and stimulate blood and lymphatic circulation.

2. This pressure helps reduce swelling and prevents the build-up of fluid in the affected area.

3. The application of graduated pressure allows compression garments to not only support the healing process, but also prevent additional swelling.

4. Wearing compression garments is a crucial aspect of the treatment of lymphoedema and other oedemas.

5. For optimum results, it is essential to choose the right compression garment and wear it correctly.



*De-graduated pressure for best results:

De-graduated pressure means that the pressure gradually reduces from the ankle or wrist upwards (from distal to proximal). This reduction in pressure encourages blood and lymphatic circulation and, in turn, helps reduce swelling.

Applying this type of pressure makes the compression garments more effective in treating oedemas. This then leads to better results and improved quality of life for people suffering from oedema.

COMFORT





NATURAL FIBRE









The Comfort grade is designed for people who cannot tolerate heavy compression or have no medical need for heavy compression. This optimally guarantees the comfort of the patient. The natural fibre is soft to the touch.

Recommended for patients with

- reduced mobility
- sensitive skin
- children
- first compression garment

Not suitable for overweight people, unless they have mobility problems or in cases of severe edema.





* S-LINE













STRONG



HIGH STABILITY



₩EAR-RESISTANT





BREATHABLE

We recommend the Strong grade for highly efficient compression. Our range of Strong products supports a successful recovery process. Thanks to their strong and hard-wearing quality, these compression garments last considerably longer.

Suitable for

\(\)_30°\\

X

- active patients
- as secondary garment

Highly recommended if high stiffness (wall stability) is desired. Recommended in combination with a pad, whether sewn in or not.

Less suitable as primary garment.







* S-LINE

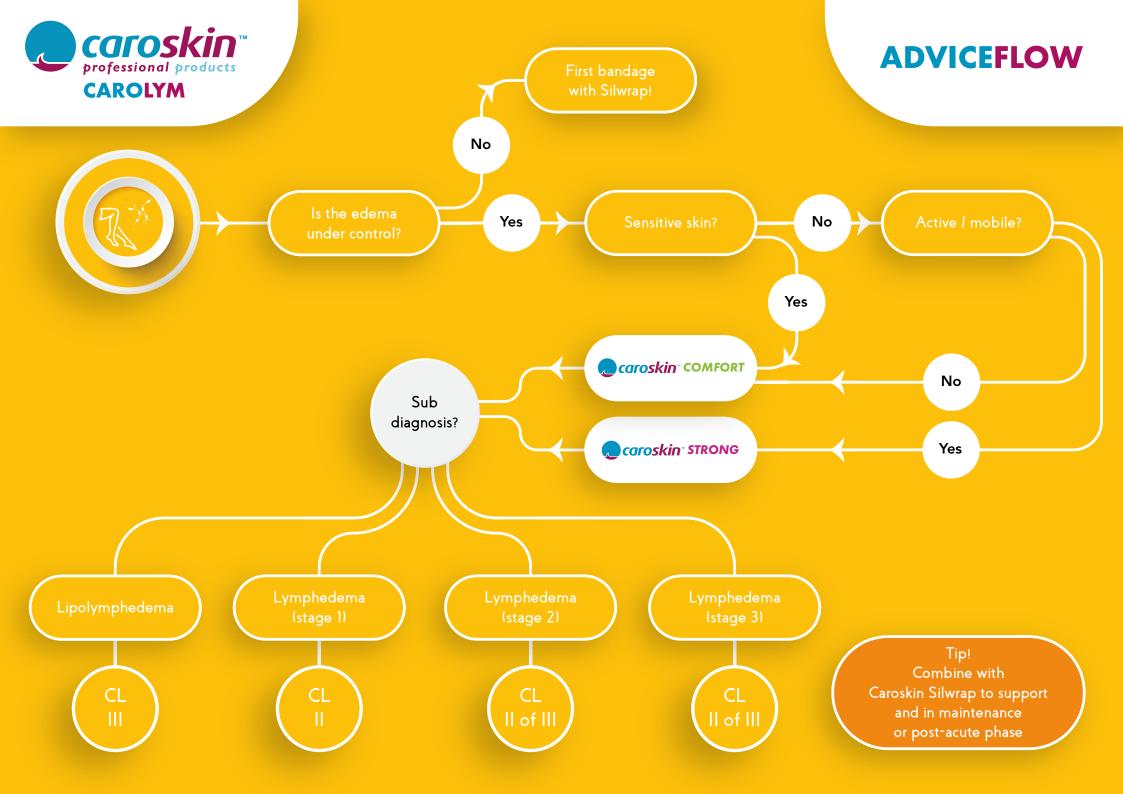


Advisory flow

Our approach ensures you get the right advice Our approach supports you in selecting the right compression garments, quality and compression class for your patients. The right advice depends on several factors, such as the severity of the condition and the fragility of the skin.

We deliberately opt for the word "advice" instead of "decision" to emphasise the collaborative spirit of the process. Here, we provide expert guidance to the CPO or other specialists to choose the most appropriate products to suit the patient's individual needs and preferences. This gives the CPO the freedom to select the products he or she considers ideal for the treatment.





COLOUR CHART Flat knit with seam

Here are the available colour options for flat knit with seam. Depending on your choice between Comfort or Strong qualities, the actual colours may vary. Please note that not all colours are available in both qualities.



























COLOUR CHARTS-line (gloves)





Flat knit compression garments vs. cut-and-sew compression garments

Flat knit compression garments and custom-made cut-and-sew compression garments both offer therapeutic compression for various medical conditions, but differ in production methods. This affects their performance, comfort and durability. Here are some advantages of flat knit compression garments over cut-and-sew compression garments:

- 1. Precise fit: Flat knit technology allows compression garments to be precisely shaped and adapted to specific body shapes. This ensures a tailored fit that provides optimal compression and support where needed. With ready-to-wear clothing, the fit is often less precise, which can result in uneven compression or discomfort.
- 2. Seamless capabilities: Flat knit technology can be used to produce seamless garments, such as our S-line gloves, which minimise irritation or friction caused by seams. Ready-to-wear garments usually have seams that can rub against the skin and cause discomfort, especially with prolonged use.
- 3. Consistent compression: Flat knit technology provides precise control over compression levels throughout the garment, ensuring consistent compression gradients. Garments that have been cut and sewn may show compression variations due to differences in fabric tension or seam placement.
- 4. **Durability:** Garments made using flat knit technology are often more durable due to the use of high-quality, stretchy materials. Cut and sewn garments may suffer more seam faults or stretching of the fabric over time, especially with frequent use and washing.





Arm options

Non-slip



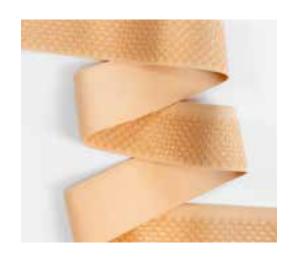
STRIPS OF SILICONE TAPE 2 CM

This tape has two thin strips that provide slight extra grip to keep the sleeve in place. Each arm stocking is fitted with this trim as standard.



STUDDED SILICONE TAPE 3 CM

Our classic non-slip trim offers great grip. It is 3 cm wide and is recommended when extra grip is needed to properly position the sleeve.



STUDDED SILICONE TAPE 5 CM

For maximum grip, this 5 cm wide non-slip trim offers excellent support. Recommended for situations where significantly more grip is required.





GLOVE + ARM SLEEVE IN 1 PIECE

- * This option is only available with seam in CL II
- *Additional sizes needed



SLANTED TRIM

This trim is useful for keeping the sleeve securely in place, especially recommended with compression stockings for fuller arms.



S-LINE

This manufacturing technique enables the knitting of a seamless glove. The S-line gloves are anatomically knitted for a perfect fit and are equipped with a comfort trim that helps prevent curling, pinching and overpressure in combination with an arm stocking. They do not, however, offer the stiffness and strength of seamed gloves and are thus best for mild conditions that require less strong compression.

FLAT KNIT WITH SEAM

Highly resistant to increases in size, these gloves are ideal for active individuals with a moderate to severe tendency towards edema formation. Available in various designs, such as open or closed fingertips, and customisable with various options such as an extended wrist or a dorsal zip. These adjustments optimise care and address your specific needs.





Halve glove (Closed thumb)



Closed fingers



Open fingers
(length min.1.5cm)

Hand options

Non-slip



STRIPS OF SILICONE TAPE 2 CM

This tape has two thin strips that provide slight extra grip to keep the glove in place. Each glove is fitted with this trim as standard.



STUDDED SILICONE TAPE 3 CM

Our classic non-slip trim offers great grip. It is 3 cm wide and is recommended when extra grip is needed to properly position the glove.



PAD

Increased pressure on a specific spot

* This option is only available with seam



PAD BAG (REMOVABLE)

Increased point pressure. Only if necessary.

* This option is only available with seam



EXTENDED WRIST

If the glove needs to be just a little longer, to be worn in combination with an arm stocking if necessary.

* Enter DE and E size



STITCHED SOFT TEXTILE

Helps protect irritated areas of the skin

* This option is only available with seam



WRIST WITHOUT COMPRESSION

The glove is easier to put on. Can be used when no wrist compression is required.



GLOVE + ARM SLEEVE IN 1 PIECE

* This option is only available with seam in CI_II

*Additional sizes needed



ZIP (DORSAL)

A zip often makes it easier to take the glove on and off.

(Beware: pressure reduction)

Prefab



Prefab (standard) arm sleeves and half-gloves offer a practical solution for patients who need compression therapy, such as those with lymphoedema. The sleeves and gloves are manufactured to standard sizes and are directly available for use. They are ideal for patients with less extreme sizing or those who are wearing compression items for the first time or are in the early stages of their treatment.

The main advantage of prefab arm sleeves and half-gloves is their direct availability and cost-effective nature. For many patients, they offer an effective and comfortable way to manage oedema and support blood and lymphatic circulation.

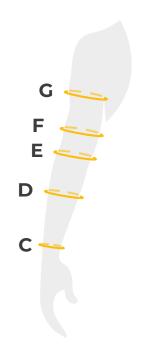
However, for a more personalised approach, which accurately fulfils the patient's specific needs, customisation is recommended. Customised compression garments are adjusted individually to the patient's needs and anatomy. They provide a more accurate fit and increased effectiveness, particularly for patients with more complex oedema issues or anatomical variations.

Consult the tables of standard sizes and choose the gloves and/or arm sleeves that are closest to your size.

Every standard size is indicated with a colour both in the table and on the garment itself; a marker is knitted in as a coloured thread by the wrist.

If you cannot find a suitable size or if your sizes vary significantly from the table, customised compression garments are, of course, recommended.

Customisation is the only option for alternative variations, such as colour, zips, etc.



SIZE	С	D	E	F	G	
xs	14-16	17-20	21-26	23-27	26-31	
• s	15-17	19-23	23-29	26-30,5	29-34	
М	16-18,5	21-25	27-32	29-34	31-37	
● L	17-20	23-28	30-35	32-38	34,5-40,5	
• XL	18,5-22	25-31	32,5-37,5	35-41	38-44	
XXL	21-25	28-34	35-41	38-44	41-47	

LENGTH	C-G		
OPTION 1	40-44		
OPTION 2	44-48		



SIZE	А	В	С	C'	X1	X2	Х3	X4	X5
O XS	15-18	16-19	14-16	15,5-17,5	7	6,5	6,5	6	5,5
S	17-20	17,5-21	15-17,5	16-20	7,5	7	7	6,5	6
<u>М</u>	18,5-21,5	19-22,5	16,5-19,5	18-22	8	7,5	7,5	7	6,5
● L	20-23	20,5-24	18-21	20-24	8,5	8	8	7,5	7
XL	21,5-24,5	22-25,5	20-23,5	22-28	9,5	8,5	8,5	8	7,5
XXL	23-26	23,5-27	21,5-25	24-28	10,5	9,5	9,5	9	8

LENGTH Y1 Y2 Y3 **Y4** Y5 STANDARD 5 5 3,5 6 3,5 LONG 4,5 6,5 7,5 6,5 4,5

(CM)





Leg options

Non-slip



STRIPS OF SILICONE TAPE 2 CM

Covered with two thin strips, this tape offers slight extra grip to keep the stocking in place.



STUDDED SILICONE TAPE 5 CM

Provides the most grip, especially recommended around the buttock or waist to keep the stocking firmly in place.



STUDDED SILICONE TAPE
3 CM

Our classic 3 cm wide silicone hem provides plenty of grip, recommended when extra grip is needed.



DOUBLE BEVEL OF 3 + 5 CM

The double silicone studs offer extra grip thanks to the combination of 2 silicone trims.

The angled finish is ideal for an AG stocking.



PAD
Increased pressure on a specific spot.



Open or closed toes depends on the problem and the patient's comfort. Open toes put no pressure on the toenails and are usually easier to put on.

OPEN/ CLOSED TOES



STITCHED SOFT TEXTILEHelps protect irritated parts of the skin.



PAD BAG
Increased pressure on a specific spot.
(only if necessary)



HEM (AG)Helps to keep the AG stocking on

KNITTED BEVELLED



AD ZIP

(LATERAL/MEDIAL)

The zip makes it easy to take the stocking on and off.

(Note: reduced compression)

Leg options

* The following options are available for all stockings running up to size M, in addition to the previous options.









HOOK-AND-EYE FASTENING

This fastening is ideal for tights or trousers and is more durable than other fasteners.

ZIP

Zips offer a quick way to close tights, bermuda shorts or trousers and are always combined with a hook-and-eye closure to reduce tension on the zip.

WAIST CORD

This adjustable cord serves to tighten the waist of a garment for a better fit.

BRACES

Braces help keep trousers in place, especially if they are hard to keep on.

NO-PRESSURE BELLY

Provides compression without undue pressure on the abdomen, ideal for those seeking comfort and breathability.

OPEN FIBRE

An open fibre provides ventilation and increases breathability. It also ensures that there is no uncomfortable pressure on the genitals.



PREGNANT BELLY OR OBESITY

This extra space provides comfort and stability, which can help reduce back pain and support the abdomen.



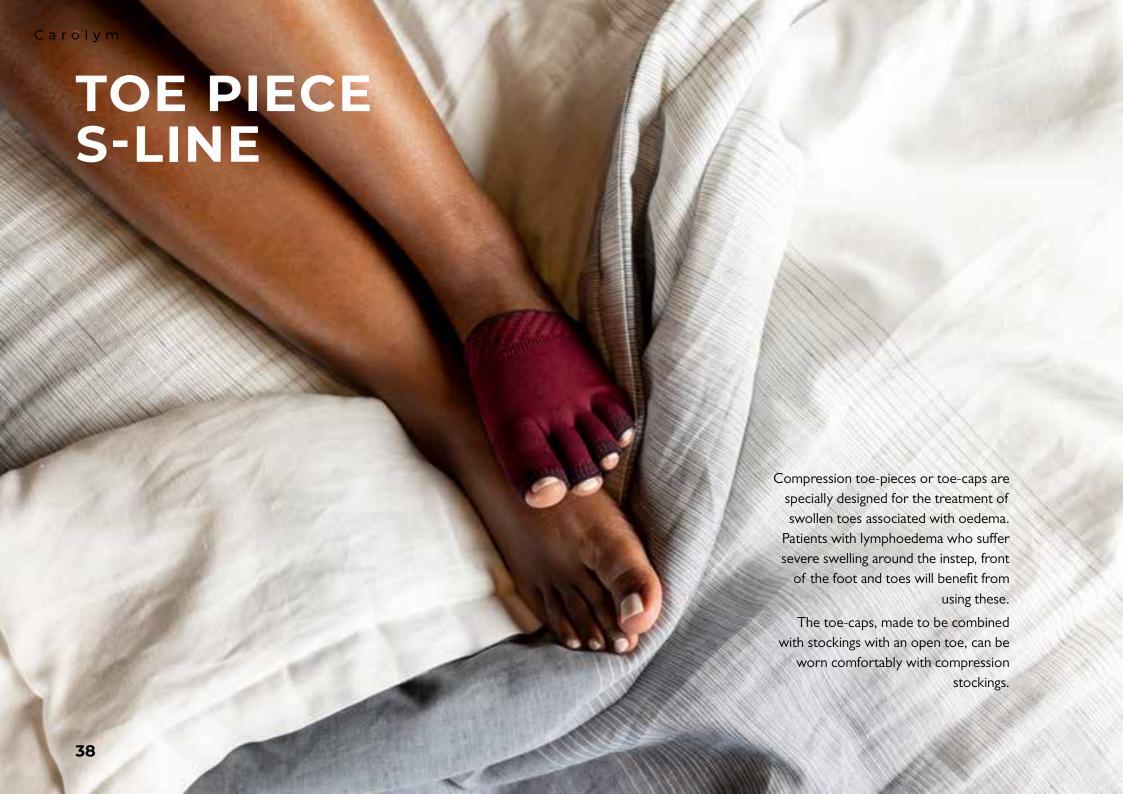
RAISED BACK

A raised back provides extra support and coverage for the lower back, keeping the trousers in place while sitting down and bending over.



FLY (MEN)

A fly provides easy access and allows restroom visits without removing the trousers completely.





TOE PIECE

Open toe



TOE PIECE

Closed toe

Toe option



NON-SLIP

A non-slip trim fitted at A1 size.





BRA

The Caroskin Compression Bra is specially designed to treat oedema in the chest and/or chest flank and effectively helps reduce swelling. We see a reduction in the cases of lymphoedema in the arm particularly in operations that spare the breast and lymph glands. However, chest and chest flank oedemas increase as a result of breast-sparing operations combined with radiation.

This bra not only offers excellent support but also encourages drainage and reduces the oedema. We supply both standard sizes and customisation options to guarantee a perfect fit.

Indications for use:

- Acute or chronic oedema in the chest and/or chest flank
- Post-operative or post-radiation therapy oedema
- Chronic infiltration after reconstruction or ongoing chronic chest flank oedema







A thorax or compression vest is valuable for treating disorders such as lymphoedema, which can be caused by various factors:

- Removal of or damage to lymph glands during surgery
- Damage to lymphatic vessels or glands during radiation therapy.
- Blocked lymphatic circulation due to serious injury.
- Damage to lymphatic system due to infections.
- Congenital defects in lymphatic vessels
- Obstruction of lymphatic system by tumours.

It is important to ascertain the cause of lymphoedema to guarantee effective treatment, such as compression therapy, lymph drainage, physiotherapy or surgery.

Both a compression bra and a thorax vest can be used to treat lymphoedema in the chest and upper body. The vest incorporates arm sleeves for consistent pressure and targeted treatment of oedema, primarily in the axillary area, preventing swelling and discomfort. This makes it an effective and comfortable choice for patients with lymphoedema.

Thorax options

Non-slip



STUDDED SILICONE TAPE
3 CM

Our thorax includes a 3 cm silicone strip as standard. This helps keep the thorax firmly in place.

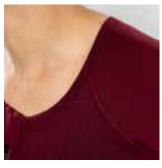


STUDDED SILICONE TAPE
5 CM

Standard

This 5cm-wide silicone hem offers patients extra grip, which is essential for keeping the thorax in place, especially with overweight patients. We recommend this option if you need increased grip.

Collar finish



ROUND COLLAR



V-COLLAR



RAISED COLLAR







FRONT HOOK-AND-EYE FASTENING

REAR HOOK-AND-EYE FASTENING

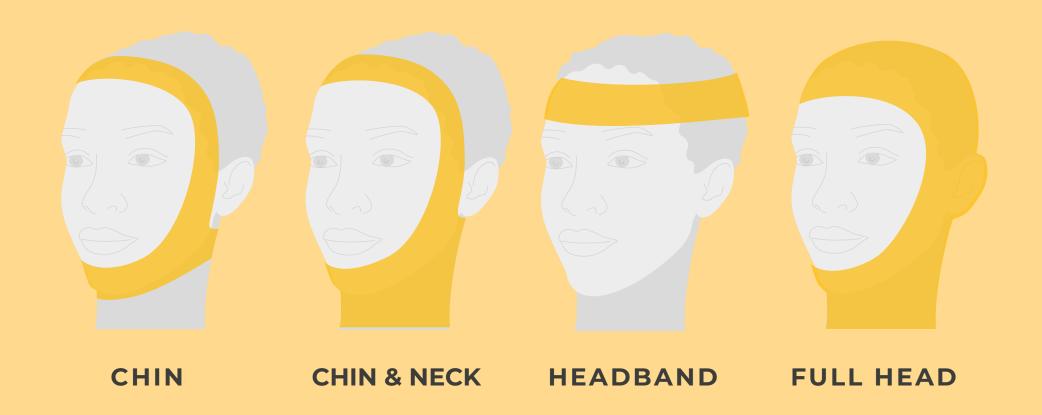




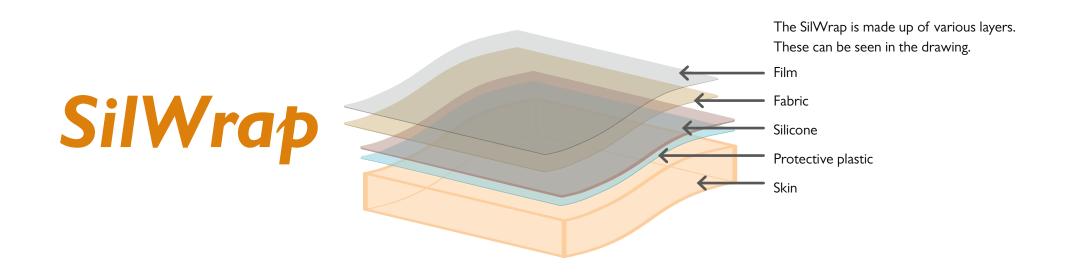
FRONT ZIP

REAR ZIP











FOLLOWING STEPS

How do I order customised compression garments for my patient?

The following steps will help you order the right compression garments for your patient. All required specifications can be selected according to their needs.



TRAINING

We offer training, instruction and support to learn about our range, dimension sheets and the ordering process. We participate in measurement courses where we share insights into our process and useful tips. This helps us to collaborate effectively and deliver high-quality, perfectly tailored compression garments.



DIMENSION SHEET

Our dimension sheets can be downloaded from our website. You can note the correct dimensions on it and tick the required options. This dimension sheet is a tool to work efficiently and keep an overview of all measurements for your order.



GOOSE LOGIN

You need a login to place an order on our online platform. You can request one by sending an e-mail to info@caroskin.com.

You only need to do this once to be recognised in our system.

TRAINING

DIMENSION SHEET

GOOSE LOGIN



GOOSE ORDER

After collecting all the patient information, you can place the order online via www. caroskin-order.be. Use the login and manual you receive by e-mail. In GOOSe, you can enter dimensions, options and comments on the digital dimension sheet. In special cases, please e-mail us a photo of the patient to order@caroskin.com.



ORDER RECEIVED

Your order will be carefully processed by our team and sent to the address you have provided. We trust you and your patient will be satisfied with our service and wish your patient the best of luck with their treatment.



RE-ORDER

If a re-order is needed, this can be done very easily in Goose. You can place an exact re-order or change sizes, colour or options if needed. This will save you time.

GOOSE ORDER

ORDER RECEIVED

RE-ORDER

Repairs & Modifications



As an additional service, Caroskin offers the option of repairing or modifying your products. For these services, please contact our customer service team first at order@caroskin.com.

Repair rates are indicative and non-binding. We assess each repair on an individual basis.

If in doubt about warranty coverage, contact us or your supplier.

Only send in products that need to be repaired after you have washed and dried them thoroughly. We may refuse to repair badly cleaned or uncleaned products or charge cleaning fees. Products that have already been repaired by other parties are not eligible for our repair service.

We may refuse repairs if they compromise the safe use of the product, change the original use or if the repair costs exceed the purchase of a new product. We may also refuse to repair exceptionally worn products if it does not improve the quality of the product. Repairs or modifications may result in minor deviations from the original model.

Any inconveniences caused by modifications are the responsibility of the person requesting them.

If your product is worn out, we recommend ordering a new product rather than repairing it.

Returns

Customised Caroskin products are not returnable or exchangeable.

The right of return does not apply to products manufactured or modified according to the customer's wishes (e.g. customised products or the order of a standard-sized product in a colour other than the standard colour).

For standard products, the return policy is 14 days after purchase, provided the products are unused, in their original packaging and with an intact seal.

Opened packaging cannot be returned for health and hygiene reasons.





MDR 2017/745

Our ISO 13485 certification guarantees that our medical devices meet strict quality standards, ensuring safety and effectiveness for patients worldwide. The MDR is introducing new classification rules that require manufacturers to assess the risk category of their products, based on their intended use and inherent risks.



CE MEDICAL DEVICE CLASS 1 & MEDICAL DEVICE CUSTOM MADE

A Class I Medical Device belongs to the low-to-moderate risk category for users. These products undergo strict testing that ensures their safety and effectiveness and generally pose minimal risk to patients when used correctly.

All of Caroskin's standard products carry a CE label confirming that they comply with EU regulations on health, safety and environmental protection. Our custom-made products bear a CE "Custom Made" label, meaning they are specifically tailored to individual use and patients' specific requirements to ensure optimal functionality and comfort.



For more information on orders, dimension sheets and delivery times, please visit our website www.caroskin.com

Or contact us;

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