



ROYAL BAY

HIGH-TECH SPORTSWEAR



www.royalbay.eu



BETTER & FASTER

Aries
VITALITY TEXTILES

Sports brand ROYAL BAY®

The dynamically growing brand ROYAL BAY® provides athletes **high-quality compression accessories with excellent benefits**. Compression products are designed for training, competitions, and challenging travelling. Thanks to the unique know-how, **ROYAL BAY®** compression products **support athletes in their performance and speed up subsequent regeneration**.

The **ROYAL BAY®** brand builds on **more than 25 years of experience** of the company ARIES in the production and development of standardized medical compression goods. The knowledge and experience gained are a guarantee of top quality and place **ROYAL BAY®** among **the best brands on the market** throughout the world.

Aries
VITALITY TEXTILES



Utilizing our own development and design team and manufacturing facility and thanks to close cooperation with specialists, professional athletes, and university research teams, we constantly innovate our products and adapt to the high demands of athletes.

Thanks to our knowledge and high-quality technological equipment, **we can measure, validate, and above all guarantee compression levels** for all **ROYAL BAY®** product lines.

Communication with customers is of great importance to us, as well as being able to explain the very concept of medical compression and its functions and assistance in selecting the right size of products. The size of **ROYAL BAY®** products depends not only on the size of the feet but especially on the circumferential length of the muscle (calf/thigh). Therefore, it is necessary to know the circumference of the muscle at its widest point for the proper functioning of compression products.

The **ROYAL BAY®** brand products find their application in all sports which involve running, walking, or cycling and satisfy the needs of all athletes, regardless of the level of performance.

ROYAL BAY® Sports Compression

Sports compression products **increase oxygen availability** during intense muscular work. They postpone the formation of lactic acid and **reduce the time needed for regeneration**. Athletes will especially appreciate **strengthening of the muscles** and reduction of shocks and of the risk of microtraumas. Compression products give athletes the feeling of safe movement. Thanks to the support of the calf muscle, sports compression products **reduce tension on the Achilles tendon and protect it against overstrain**, especially in cold weather. After a hard workout or long travel, compression is a way to **prevent swelling and travel thrombosis**.

ROYAL BAY® offers products with:

Graduated compression
Targeted compression



Compression Level of ROYAL BAY® Products



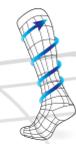
VERY STRONG

maximum compression for maximum performance, for top-level and extreme conditions (ROYAL BAY® Extreme)



STRONG

for high performance, strong compression, suitable for increasing your performance (ROYAL BAY® Air, Classic, Neon, Thermo)



MEDIUM

for medium performance, medium compression, compression for daily wear (ROYAL BAY® Relax)



LIGHT

for recreational sports, light compression, suitable for newcomers to compression products (ROYAL BAY® Start)

COMPRESSION LEVEL



ROYAL BAY® - a brand for winners

bay (laurel) leaf – bay (laurel) wreath – victory = brand for winners

ARIES's technology know-how and longtime experience in medical compression production led 5 years ago into the launch of a new sport compression brand.

The strategy of the product was clear from the very first beginning – to provide to athletes high quality products with perfect design and with benefits for their health; to let them enjoy and improve their sport performance and to help them to reach their aims.

Victory, winners – that is the idea. Not only in its literal meaning, but also to help athletes to win their own victories, to overcome their own results, to move to better results.

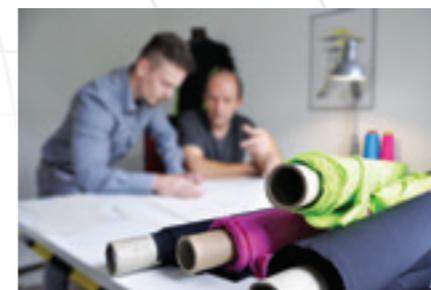
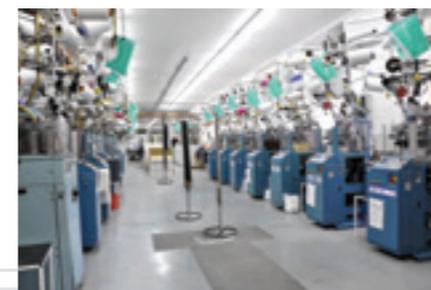


One of the historic symbols of victory was a bay (laurel) wreath, which is projected into our logo as a bay leaves at its beginning. Royal is connected to the „royal discipline“ which bestowes the prestige to the brand.

And our claim BETTER & FASTER?

ROYAL BAY® is a dynamic brand of high-quality compression garment that improve athletic performance (BETTER) and shorten the time for muscle regeneration (& FASTER).

BETTER & FASTER



We have been collaborating with **Faculty of Sport Studies, Masaryk University in Brno (CZ)** on research, development, and testing of products.



Benefits of ROYAL BAY® Compression Products



TARGETED COMPRESSION

The products were designed with the strongest compression around the calf/thigh muscle, providing athletes with maximum support. The greatest benefit is reduction of the fatigue.



GRADUATED COMPRESSION

Graduated compression with the greatest pressure applied at the ankles improves the return of blood to the heart and reduces pain of fatigue. It may prevent feet swelling.



FOOT MASSAGE & ANTI-SHOCK

Padding absorb shocks and provide stability for the foot inside the shoe. Thanks to the in-built channels, the socks expel heat better, allow for air circulation, and also gently massage your feet. They eliminate sliding of the foot inside the shoe.



ERGONOMIC FIT

Thanks to its special anatomical shape, the products fit perfectly to your feet, increasing comfort and efficiency.



PROTECTION OF ACHILLES TENDON

Padding around the Achilles tendon will pleasantly massage the surrounding area, while protecting it against the friction and pressure caused by shoes.



ANKLE PROTECTION

The reinforcement of the ankle area protects your ankle against scratches from shoes. It helps to prevent injury.



MUSCLE SHOCK ABSORBER

Compression products compress fasten the calf muscles during physical strain, significantly reducing shocks that could damage the muscles.



SAFETY REFLECTIVE ELEMENTS

Reflective elements improve your visibility and therefore your safety at dusk, darkness, or bad weather conditions.



QUICK-DRYING

Our products are made of microfibre of a very fine structure. As a result, the material is thin and dries quickly, while retaining its strong compression.



THERMAL INSULATION

Padded layer covers the entire front part of the leg, effectively protecting the shin, feet, and the ankle against the cold.



INSTEP SUPPORT

Prevents the foot part from moving and rolling.



COMFORTABLE WIDE HEM

The hem is loose but still tight enough to fit closely to the leg, preventing dirt from getting into socks.



MEDICAL HEM WITH SILICONE

The hem design is a result of many years of experience with medical compression products. It ensures great comfort and holds firmly the product in place thanks to silicone dots layer.



ANTI-ABRASIVE PROTECTION

The material thickness was specially selected to protect the inner thighs against scuffing.



MICROFIBRE

Products made of microfibre are very soft on the skin and remove moisture better.



COTTON

Cotton products are very comfortable to wear daily and absorb sweat perfectly.



MOISTURE MANAGEMENT (DeoSoft)

This unique technology makes the material even softer on the skin and ensures efficient removal of moisture away from the body.



ANTIBACTERIAL SANITIZED® SILVER

Silver ions on the surface of the fibres remove a number of bacteria and fungi. In fact, they work as a deodorant and prevent unpleasant odours.



THERMOLITE®

Thermal insulating and transport fibres will always keep your feet dry and warm.



SECOND SKIN FEELING

By using the most advanced materials and technologies, the product perfectly fits the body without being too tight, making athletes feel as if they had ,another skin'.



SOFT WAIST

The product is designed to support the correct blood flow and prevent pressure sores in the waist area so that users feel comfortable during sports.



HIGH BREATHABILITY

The highly breathable materials used ensure rapid passage of water vapour through the product, keeping the athlete's body dry.



UV 50+

The product is made from materials that provide sun protection. Athletes are protected even at higher altitudes.



4 WAYS STRETCHABLE

The materials used allow its flexibility/extensibility in all four directions. The product thus perfectly fits the body.



COVERED LYCRA®

The elastane fibre is double covered with a protective fibre so as to prevent irritation of the skin. The use of covered Lycra® contributes both to increased comfort and longer product life.



LYCRA® SOFT COMFORT

The use of soft Lycra® allows better adjustment of the compression product to the wearer's body. Elastane stretches in all directions, making sure the compression product is never too tight and is comfortable to wear. It is the application of the elastic Lycra® that gives our products the compression effect.



EXTREMELY LIGHTWEIGHT

The product is made of a special lightweight material, making it truly featherlight. The product thus dries quickly and the wearer almost does not know they wear it at all.



SILICONE ANTI-ROLL STRIP

The product is fitted with a silicone strip which prevents unwanted rolling up and down of the product. The strip is designed to prevent choking of the body.



FLAT SEAMS

The product is sewn with flat seams. This provides greater comfort since the seams do not pinch or scratch the skin.

“There is evidence that compression accessories may reduce muscle tremors, enhance maximum oxygen usage during exercise, increase local blood and protein (building blocks) flow, reduce perspiration, and decrease the sensation of muscle pain that comes during regeneration immediately after physical strain.”

EXTREME



Compression Shorts ROYAL BAY® Extreme

The family of the popular ROYAL BAY® Extreme products with VERY STRONG compression also includes shorts with built-in compression sleeves. You will certainly appreciate the high breathability as well as the quick-drying effect. The product is designed as a 'second skin'. Compression is focused into the thighs, while the seat section is comfortable to wear and well adapts to the body of any athlete thanks to the ability of the material to stretch in all directions. The application of the fragrant Sanitized® antimicrobial treatment is a commonplace. Offered are men's and women's types, both in four sizes.

Composition: 80 % PAD NYLON / 20 % Elastane LYCRA®



Compression Calf Sleeves ROYAL BAY® Extreme

The sleeves are designed so that compression was the strongest in the calf muscle, providing athletes with maximum support. The biggest benefit is reduction of pain of tired muscles. Despite the very strong compression (VERY STRONG), the product is easy to put on.

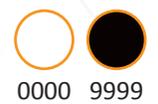
Composition: 75 % PAD NYLON / 25 % Elastane LYCRA®



Compression Thigh Sleeves ROYAL BAY® Extreme

The sleeves are designed so that compression was the strongest in the thigh muscle, providing athletes with maximum support. The hem design is a result of many years of experience in the production of medical compression products. The hem does not choke the leg, while holding firmly in place thanks to silicone dots layer.

Composition: 75 % PAD NYLON / 25 % Elastane LYCRA®



AIR



Compression Knee-High Socks ROYAL BAY® Air

The ROYAL BAY® Air product line is made of lightweight materials while maintaining strong compression (STRONG). The products are thus more suitable for sports in warm months, for indoor sports, or athletes who sweat considerably. Sanitized® antimicrobial treatment inhibits the growth of undesirable microorganisms and prevents unpleasant odours.

ROYAL BAY® Air knee-high socks have an innovative design and reflective elements that contribute to better visibility at dusk or in bad weather. The range contains four colours, which can be easily combined with your outfit.

Composition: 82 % PAD NYLON / 18 % Elastane LYCRA®



STRONG
COMPRESSION



STRONG
COMPRESSION

LOW-CUT

HIGH-CUT



Compression Calf Sleeves ROYAL BAY® Air

The calf sleeves are made of lightweight materials which brings an unexpected feeling of airiness and comfort. The graduated compression from the ankle up to the knee improves venous return and speeds up removal of lactic acid from muscles, thus accelerates regeneration. You will also appreciate the quality hems that ensure healthy blood circulation.

Composition: 82 % PAD NYLON / 18 % Elastane LYCRA®



Composition: 90 % PAD NYLON / 10 % Elastane LYCRA®



Sports Socks ROYAL BAY® Air HIGH-CUT / LOW-CUT

ROYAL BAY® Air HIGH-CUT / LOW-CUT sports socks, as well as the knee-high socks from the same line, are made of lightweight materials. They are made in four colour combinations in a dynamic, sporty design.



NEON



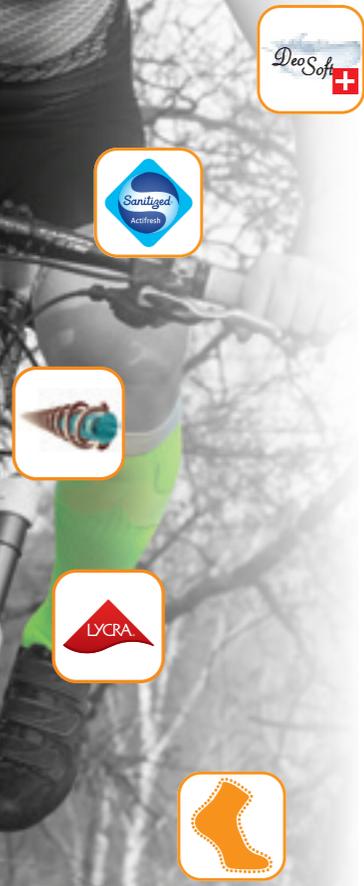
STRONG
COMPRESSION

Compression Knee-High Socks ROYAL BAY® Neon 2.0

The entire Neon line is characterized by strong (STRONG) graduated compression which is especially useful for improving the performance of athletes. It also offers a wide range of products in neon colours. Sanitized® Silver ions on the surface of the fibres act against a number of bacteria and fungi. In fact, they act as a deodorant and prevent unpleasant odours. ROYAL BAY® Neon 2.0 compression knee-high socks have an innovative design and reflective elements that contribute to better visibility at dusk or in bad weather. Another major benefit is their soft and insulated area of the Achilles tendon.

Composition: 82 % PAD NYLON / 18 % Elastane LYCRA®

1099 3099 5099 6099



Sports Socks ROYAL BAY® Neon HIGH-CUT / LOW-CUT

These HIGH-CUT and LOW-CUT sports socks fit perfectly to the feet thanks to their special ergonomic shape, thereby increasing the comfort of athletes. The silicone projections on the feet absorb shocks and provide stability for the foot inside the shoe. Thanks to the in-built ducts, the socks better dissipate heat, enable air circulation, and also gently massage the feet.

Composition: 90 % PAD NYLON / 10 % Elastane LYCRA®

1099 3099 5099 6099



Compression Calf Sleeves ROYAL BAY® Neon

The compression calf sleeves fasten the calf muscles during physical strain, thus significantly reducing shocks that could damage the muscles. The sleeves are produced in attractive colour combinations with a distinctive hem. The product contains microfibres and so is very pleasant to the touch and better removes moisture.

Composition: 82 % PAD NYLON / 18 % Elastane LYCRA®

3199 5699



STRONG
COMPRESSION



CLASSIC



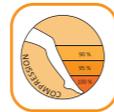
**STRONG
COMPRESSION**

Compression Knee-High Socks ROYAL BAY® Classic

ROYAL BAY® Classic products represent the basic product line of ROYAL BAY. The line is characterized by strong compression (STRONG). The products are particularly suitable for enhancing the performance of athletes. Sanitized® Silver ions on the surface of the fibres act against a number of bacteria and fungi. In fact, they act as a deodorant and prevent unpleasant odours.

ROYAL BAY® Classic compression knee-high socks are available in black and white. The comfortable microfibre used gives the socks a ‚silky‘ feel and better removes moisture away from the body.

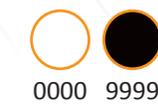
Composition: 82 % PAD NYLON / 18 % Elastane LYCRA®



**STRONG
COMPRESSION**



Composition: 82 % PAD NYLON / 18 % Elastane LYCRA®



Sports Socks ROYAL BAY® Classic HIGH-CUT / LOW-CUT

These HIGH-CUT and LOW-CUT sports socks fit perfectly to the feet thanks to their special ergonomic shape, thereby increasing the comfort of athletes. The silicone projections on the feet absorb shocks and provide stability for the foot inside the shoe. Thanks to the in-built ducts, the socks better dissipate heat, enable air circulation, and also gently massage the feet.

Composition: 90 % PAD NYLON / 10 % Elastane LYCRA®



HIGH-CUT

LOW-CUT



Compression Calf Sleeves ROYAL BAY® Classic

The compression calf sleeves fasten the calf muscles during physical strain, thus significantly reducing shocks that could damage the muscles. The graduated compression acts on the muscle from down to top, which means that it is the strongest at the ankle and the weakest under the knee. The product contains microfibres and so is very pleasant to the touch and better removes moisture.



Compression Knee-High Socks ROYAL BAY® Classic “National Edition”

A unique edition of knee-high socks in national colours – CZECH, SLOVAK, POLISH, and GERMAN. The whole edition is specially designed for national team members.

Composition: 82 % PAD NYLON
18 % Elastane LYCRA®



Compression Knee-High Socks ROYAL BAY® Relax

Compression level products which are suitable primarily for regeneration after exercise or for travelling. Thanks to the 60 % cotton content and a pleasant degree of compression, they are also suitable for everyday wear. The knee-high socks have graduated compression and Sanitized®Silver antimicrobial finish.

Composition: COTTON 60 %
28 % PAD NYLON / 12 % Elastane LYCRA®



THERMO

Compression Knee-High Socks ROYAL BAY® Thermo

Enhance athletic performance and shorten the regeneration time of muscles after exercise. Thanks to the functional Thermolite® material, the socks warm the problematic parts of the legs – toes, heels, ankles, and shins. The socks are anatomically shaped and use graduated compression.

Composition: THERMOLITE Polyester 52%
38 % PAD NYLON / 10 % Elastane LYCRA®



Compression Knee-High Socks ROYAL BAY® Start

Are intended for novice athletes. They are included in the HOBBY LINE series and offer the lowest level of compression from our entire range of products. Thanks to LIGHT compression, these socks are easy to put on. They are provided with Sanitized®Silver antimicrobial finish and DeoSoft treatment for removal of moisture away from the body.

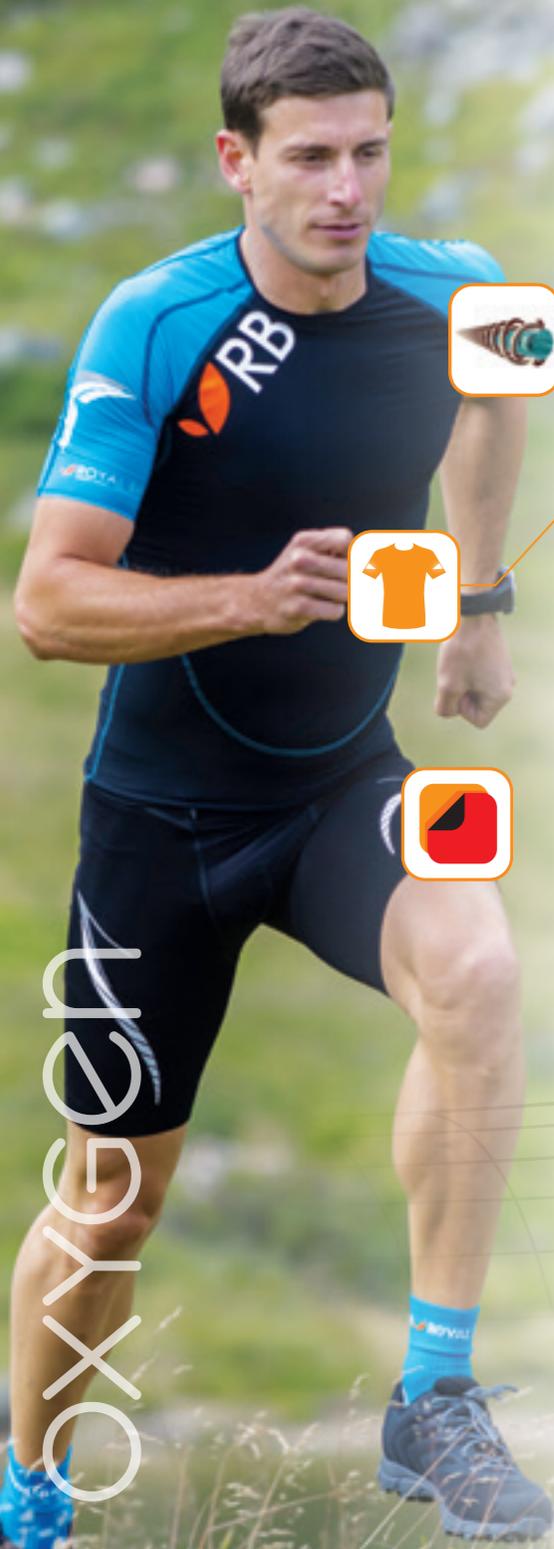
Composition: 88 % PAD NYLON
12 % Elastane LYCRA®



RELAX



START



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Sports Shirt ROYAL BAY® Oxygen

A functional sports shirt designed for elite and recreational athletes. The product exactly fits the body, giving the wearer a ‚second skin‘ feeling. The flat seams prevent pressure sores on the skin while the waist rubber strip prevents rolling up. Elastic fibres that are contained in the material used are extremely durable. The fabric structure allows perfect material movement in four directions. The material used is very breathable, abrasion-resistant, and has UV protection.

Composition: 78 % PAD NYLON / 22 % Elastane LYCRA®

 9388 9588

How to wear compression products

Compression KNEE-HIGH Socks

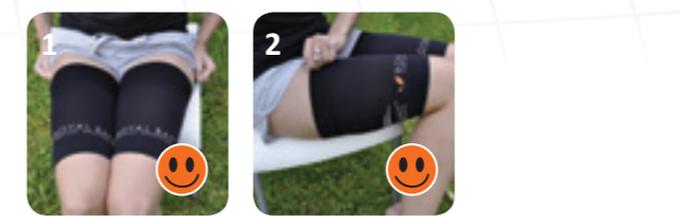
The upper hem of the socks should end 1 – 2 cm below the knee / knee hole (1 and 2) and should not be bent or folded (3). The hem should never be placed in the middle of the calf (4) and should be placed after its widest point. The socks should never be creased or folded (5). The material is flexible and malleable, and if a crease occurs during running, smooth it down with your hands (6).



Compression QUAD Sleeves

Quad sleeves are dressed to a height of about 5 cm below the crotch. Do not pull them all the way up to the groin. If so, they are likely to roll down (especially in the back). Sleeves contain silicone dots layer that hold them in place. Do not apply lotions and the like, the silicon dots layer would get greasy and lose their function (use an alcohol-based product for degreasing).

- If the sleeve does not hold correctly, it can be caused by:
- Dense body hair (especially men).
 - Dry skin stuck to the silicon projections (rinse them with soap water).



Compression CALF Sleeves

A calf sleeve is correctly positioned if it starts 1 – 2 cm below the knee (1). If the calf sleeve is too short, it's always better if you correctly place its upper part. If you have a bare ankle (or even above it) (2), it is still a better option than a sleeve ending in the middle of the calf (3).



Generally, compression products should not be unnecessarily stretched in length. The length of the product on your body should be approximately the same length as if not worn.

TIP: Knee-high socks are easier to put on if you turn them inside out up to the heel (c). Then put on the plantar part of the socks (e), make sure it fits correctly, put on the rest of the socks (f) and pull them up to the knee (h).



KNEE-HIGH SOCKS SIZE TABLE - AIR, NEON, CLASSIC, THERMO								
CIRCUIT SIZE	C1	C2	C2	C3	C2	C3	C2	C3
CALF CIRCUIT (cm)	24 - 30	31 - 37	31 - 37	38 - 44	31 - 37	38 - 44	31 - 37	38 - 44
FOOT SIZE	36 - 38		39 - 41		42 - 44		45 - 47	



KNEE-HIGH SOCKS SIZE TABLE - RELAX, START				
SIZE	S	M	L	XL
EU	36 - 38	39 - 41	42 - 44	45 - 47
UK	3,5 - 5	5,5 - 7,5	8 - 10	10,5 - 12,5



SOCKS SIZE TABLE - AIR, NEON, CLASSIC - HIGH/LOW-CUT				
SIZE	S	M	L	XL
EU	36 - 38	39 - 41	42 - 44	45 - 47
UK	3,5 - 5	5,5 - 7,5	8 - 10	10,5 - 12,5



CALF SLEEVES SIZE TABLE - EXTREME*, AIR, NEON, CLASSIC*					
SIZE	XS*	S	M	L	XL
CALF CIRCUIT (cm)	26 - 29	30 - 33	34 - 37	38 - 41	42 - 45



QUAD SIZE TABLE - EXTREME				
SIZE	S	M	L	XL
QUAD CIRCUIT (cm)	47 - 52	53 - 59	60 - 66	67 - 72



SHORTS SIZE TABLE - EXTREME - WOMEN'S / MEN'S				
SIZE	S	M	L	XL
MEN'S - WAIST CIRCUIT (cm)	80 - 84	84 - 88	88 - 92	92 - 96
QUAD CIRCUIT (cm)	45 - 55	50 - 60	55 - 65	60 - 70
WOMEN'S - WAIST CIRCUIT (cm)	64 - 68	68 - 72	72 - 78	78 - 84
QUAD CIRCUIT (cm)	45 - 55	50 - 60	55 - 65	60 - 70



T-SHIRT SIZE TABLE - OXYGEN - WOMEN'S / MEN'S				
SIZE	S	M	L	XL
MEN'S - CHEST CIRCUIT (cm)	86 - 92	92 - 98	98 - 104	104 - 110
WAIST CIRCUIT (cm)	80 - 84	84 - 88	88 - 92	92 - 96
WOMEN'S - CHEST CIRCUIT (cm)	84 - 88	88 - 92	92 - 98	98 - 104
WAIST CIRCUIT (cm)	64 - 68	68 - 72	72 - 78	78 - 84



How to identify the size of ROYAL BAY® Products

To find out your size, all circumferences (calf and thigh) should be measured at the widest point of the muscle.

To assign the size of knee-high socks, you need to know the circumference of the calf and your shoe size.

Shoe sizes coincide to the standard European shoe sizing system.

With calf sleeves, you need to know the circumference of the calf.

With quad sleeves, you need to know the circumference of the thigh muscle - often about 5-8 cm below the crotch. These measurements can then be easily looked up in the size table, from which you assign your size.

ROYAL BAY® Supporters

Helena Erbanová - triathlete

5th place in XTERRA WORLD CHAMPIONSHIP 2016

Ondřej Fejfar - Czech national team member in skyrunning

1st place in SWS The Rut Vertical Kilometer, USA (2016)
1st place in Transvulcania Half Marathon, La Palma (2016)

Pavel Dymák - Best Czech in Mattoni Olomouc Half Marathon

1st place in Parbubická devítka
3rd place in the Czech National Marathon Championship
3rd place in the Czech National Half Marathon Championship

Pavel Paloncý - extreme race athlete and sportsman

1st place and track record - The Spine Race (430 km solo nonstop in England) in 2014, 2015, and 2016
3rd place - Cape Wrath Ultra (400 km - 8 days, Scotland)

Richard Varga - triathlete

2nd place in Aquathlon World Championships 2016
9th place in ITU World Triathlon Cape Town 2016
11th place at the Olympic Games in Rio de Janeiro 2016

Daniel Máka - long-distance cross-country skier

1st place in Karlovská 50 2016
3rd place in World Loppet China 2016

Jakub Pšenička - long-distance cross-country skier

1st place in Kašperská 30 2017
1st place in Orlický maraton 2016

Škoda Plzeň Hockey Club

3rd place in the Czech Ice Hockey Extraliga 2015/2016

Talent Plzeň Handball Team

Triple Czech champions

Dukla Banská Bystrica Cycling Team



Our satisfied customers include **Prof. Jan Pirk, DrSc.**, a heart surgeon with whom we consulted our compression products. From his professional perspective, Mr Pirk confirms that compression sportswear accelerate the outflow of blood from the extremities

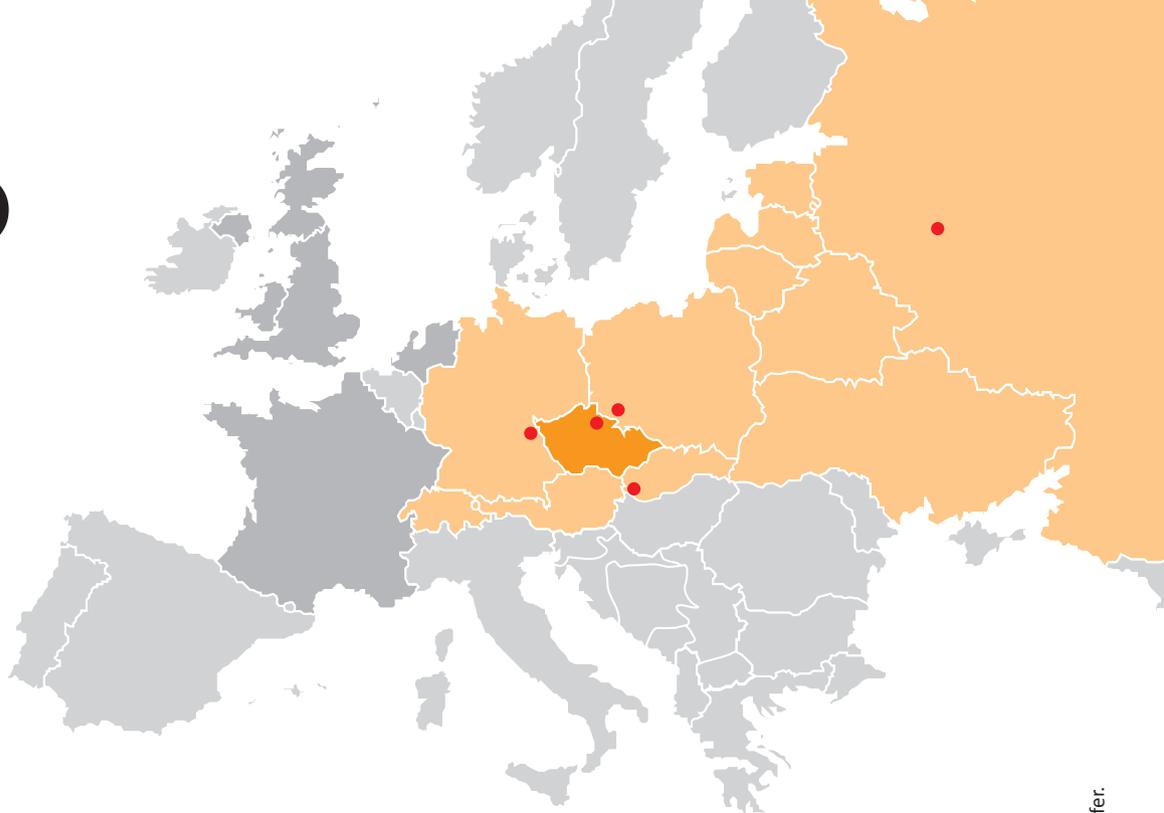
(thanks to the closure of the superficial venous system) and thus boosts both performance and recovery.

From his personal perspective, ROYAL BAY® Extreme products meet all his running and racing needs.

ROYAL BAY® Customised

Because we are the manufacturer, we can offer you our products personalized with your own brand logo. Customised orders depend on requested bulks and individual arrangement. Please contact your sales representative or use the contact details in this leaflet.





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RoyalBaySportswear



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ISO 9001:2015



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