

Avicenum ORTHO



Aries
MEDICAL PRODUCTS

... for easier life!

A WORD FROM THE CEO OF ARIES HOLDING

Dear customers and business partners,

You hold in your hands a catalogue of our Avicenum compression healthcare products. In recent years, our portfolio has expanded to focus on four areas of healthcare: phlebology, orthopaedics, lymphology and diabetology.

Despite tightening legislative requirements, we strive to develop and bring to market products that make your life easier. The whole process is subject to the EU Medical Device Regulation MDR 2017/745. Our quality management system for medical devices has been certified by Lloyd's Register Quality Assurance to ISO 13485:2016 standards since 2020.

We also strive to improve services. In 2020, we launched a new B2B e-shop, which allows our business partners to order goods and custom stockings online. This system also allows us to offer our partners promotions and benefits and provides a channel of direct communication with them.

Quality products are our priority, so we try to heed feedback from customers, doctors and other professionals we work closely with, flexibly incorporating their input into the production process. Your satisfaction always comes first.

If you have any questions, feel free to contact our medical representatives. You can also reach us by email at info@avicenum.eu.

We look forward to working with you and hope that our products will continue bringing relief and help.

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Ing. Ladislav Šulc
Owner and CEO of ARIES, a.s.



Certifications and Materials



RAL

At the end of 2016, ARIES, a.s. became a member of the RAL association, which brings together leading European manufacturers of compression stockings and parts. The association grants membership only to those manufacturers who have demonstrated that they are able to comply with **RAL-GZ 387/1** production standards for stockings and sleeves. This standard specifies the most stringent compression requirements for all sizes. Compression products from ARIES, a.s. passed verification measurements at the Hohenstein laboratories and the company has committed to supply samples for re-measurement every year. **The RAL quality mark** that customers see on the packaging is a guarantee of safe and effective compression. Good therapeutic results in the treatment of disorders of the venous or lymphatic system can be achieved only with proper compression.



ISO Certification

Avicenum brand medical compression products deliver benefits that make life easier and alleviate health problems. It is important for us that you feel comfortable and safe in our products, which is why we carefully select reputable suppliers for all our materials. We always choose premium quality materials and components. We subject our products to random testing and quality verification according to set standards, with compliance regularly checked by certification authorities.

Since 2016, the quality management system at ARIES, a.s. has been certified per the **ISO 9001:2015** standard.

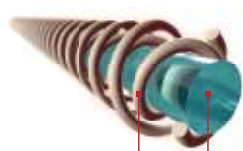
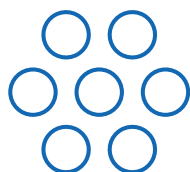
Since 2020, the quality management system for medical devices at ARIES, a.s. has been certified by **Lloyd's Register Quality Assurance** per the **ISO 13485:2016** standard.



Materials

We insist on quality from the very start. We design quality products, select the best materials, process them carefully and try to add something more. PAD Nylon (polyamide) is the basic component of the stocking. That is why Avicenum products use only authentic Nylon 66 polyamide yarn from leading manufacturers in Switzerland, Italy and France.





Double protective thread

LYCRA[®] fibre



Hem width 5 cm

Silicone pattern along hem

LYCRA[®]

LYCRA[®] energize is the trade name for high-quality elastane, the technological development and innovation of which is managed by company Invista. This fibre guarantees a material perfect elasticity. It is elastane that gives our products their compressive effects.

Microfibre

Microfibre is a yarn spun from a large number of ultra-thin fibres. Ten kilometres of one such fibre weighs less than one gram. Microfibre products are pleasant to the touch, comfortable, absorb and wick away sweat, have a modern velvety feel and are characterised by longer durability.

Combed Long-Staple Cotton

For the production of Avicenum products with cotton content, we rely exclusively on combed long-staple cotton. The fibre in long-staple cotton is up to three times longer than that of ordinary cotton. This material ensures sufficient overlap of the fibres in the knit, keeping our cotton products working longer.

Wrapped LYCRA[®] for sensitive skin and longer product life

Plain elastane fibre can irritate sensitive skin. That is why we double-wrap LYCRA[®] with a protective fibre. The use of wrapped LYCRA[®] contributes both to increased comfort and longer product life.

We make no compromises and utilise deluxe, double-wrapped LYCRA[®] in all Avicenum products.

Bandage Hems

The hems on our products are more than just an aesthetic finish on bandage edges, we ensure their functionality and comfort.

Our **hem** is the optimal choice for patients with very sensitive skin. The application of silicone in dots ensures good breathability while the bandage stays securely in place.



Tips: Do not wash bandages in fabric softener or the silicone will lose its adhesive quality. Silicone will not hold well on skin where cream has been applied. You can restore the tack of the silicone by wiping it with an alcohol-based solution, such as rubbing alcohol.

Bandage Pictograms



strap



heel pads



silicone pad



silicone pads



silicone pad



biaxial joint



silicone pads



reinforcement



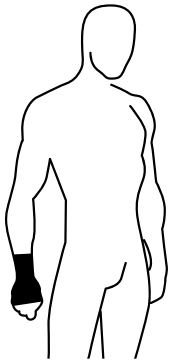
flat coiled springs



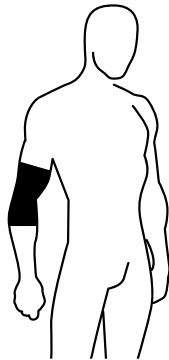
silicone pad



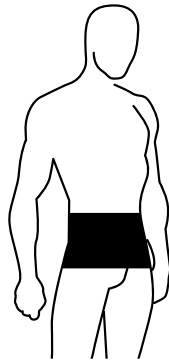
reinforcements



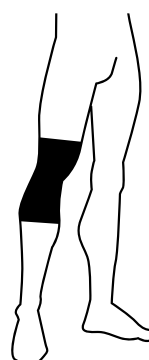
wrist



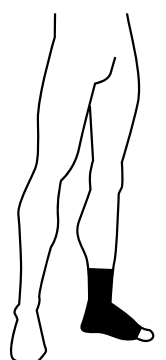
elbow



back knee



knee



ankle

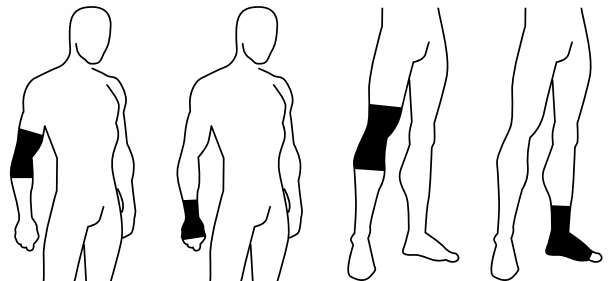


Avicenum **ORTHO 360**

Type 01

Avicenum ORTHO 360 Bandages

Our bandages are made with circular knitting technology. Materials used in their manufacture are kind to the skin and do not contain latex. Bandages are suitable for athletic activities. Bandages are a medical aid intended for use both at home and in medical care facilities.

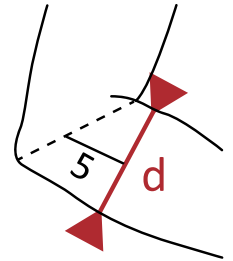


Avicenum ORTHO 360 Elbow Bandage Type 01

Provides compression in the elbow area to achieve the necessary therapeutic effect (correct size is important). Intended for elbow support in post-traumatic and postoperative therapy. Most effective during physical activity.

Size	S	M	L	XL
d	22 - 26	26 - 30	30 - 34	34 - 38

Colour
8001



Avicenum ORTHO 360 Wrist Bandage Type 01

Provides compression in the wrist area to achieve the necessary therapeutic effect (correct size is important). Intended for wrist support in post-traumatic and postoperative therapy. Most effective during physical activity.

Size	S	M	L	XL
c	13 - 15	15 - 17	17 - 19	19 - 21

Colour
8001

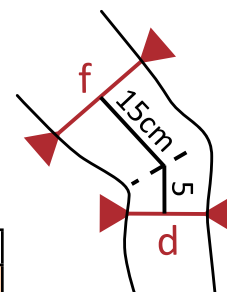




Avicenum ORTHO 360 Knee Bandage Type 01

Provides compression in the knee area to achieve the necessary therapeutic effect (correct size is important). Intended for knee support in post-traumatic and postoperative therapy. Most effective during physical activity. Upper hem has silicone dots to prevent the bandage from sliding down.

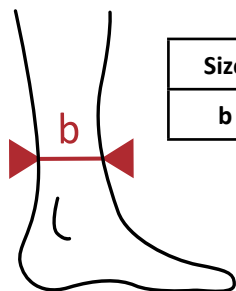
Size	S	M	L	XL	XXL
f	41 - 46	46 - 51	51 - 56	56 - 61	61 - 66
d	30 - 34	34 - 38	38 - 42	42 - 46	46 - 50



Colour
8001

Avicenum ORTHO 360 Ankle Bandage Type 01

Provides compression in the ankle area to achieve the necessary therapeutic effect (correct size is important). Intended for ankle support during post-traumatic and postoperative therapy. Most effective during physical activity.



Size	S	M	L	XL
b	20 - 23	23 - 26	26 - 29	29 - 32

Colour
8001
9999

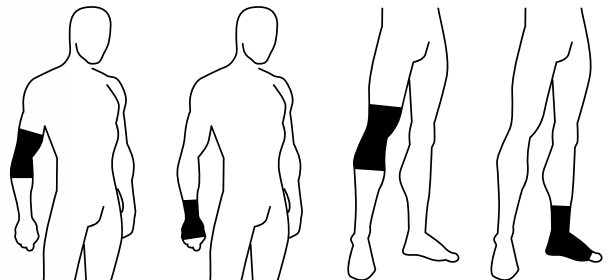


Avicenum **ORTHO 360**

Type 02

Avicenum ORTHO 360 Bandages

Our bandages are made with circular knitting technology. Materials used in their manufacture are kind to the skin and do not contain latex. Bandages are suitable for athletic activities. Bandages are a medical aid intended for use both at home and in medical care facilities.

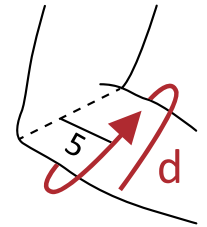


Avicenum ORTHO 360 Elbow Bandage Type 02

The product achieves the desired therapeutic effect by exerting compression pressure in the elbow area (you must choose the correct size). The therapeutic effect of the bandage is enhanced by the combination with a hook-and-loop fastener. It is intended for elbow support in post-traumatic and post-operative therapy. The product is most effective during physical strain. The product is also suitable for sports activities.

Size	S	M	L	XL
d	22 - 26	26 - 30	30 - 34	34 - 38

Colour
8001



Avicenum ORTHO 360 Wrist Bandage Type 02

The product achieves the desired therapeutic effect by exerting compression pressure in the wrist area (you must choose the correct size). The therapeutic effect of the bandage is enhanced by the combination with a hook-and-loop fastener. It is intended for wrist support in post-traumatic and post-operative therapy. The product is most effective during physical strain. The product is also suitable for sports activities.

Size	S	M	L
c	13 - 15	15 - 17	17 - 19
	XL	XXL	
c	19 - 21	21 - 23	

Colour
8001

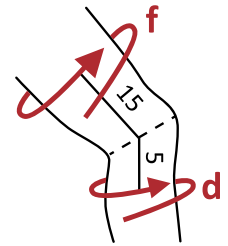


Avicenum ORTHO 360 Knee Bandage Type 02

The product achieves the desired therapeutic effect by exerting compression pressure in the knee area (you must choose the correct size). The therapeutic effect of the bandage is enhanced by the combination with a hook-and-loop fastener. It is intended for knee support in post-traumatic and post-operative therapy. The product is most effective during physical strain. The product is also suitable for sports activities. In the upper part, the product has a hem with silicone studs that prevent sliding.

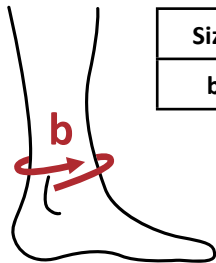
Size	S	M	L	XL	XXL
f	41 - 46	46 - 51	51 - 56	56 - 61	61 - 66
d	30 - 34	34 - 38	38 - 42	42 - 46	46 - 50

Colour
8001



Avicenum ORTHO 360 Ankle Bandage Type 02

The product achieves the desired therapeutic effect by exerting compression pressure in the ankle area (you must choose the correct size). The therapeutic effect of the bandage is enhanced by the combination with a hook-and-loop fastener. It is intended for ankle support in post-traumatic and post-operative therapy. The product is most effective during physical strain. The product is also suitable for sports activities.



Size	S	M	L	XL
b	20 - 23	23 - 26	26 - 29	29 - 32

Colour
8001

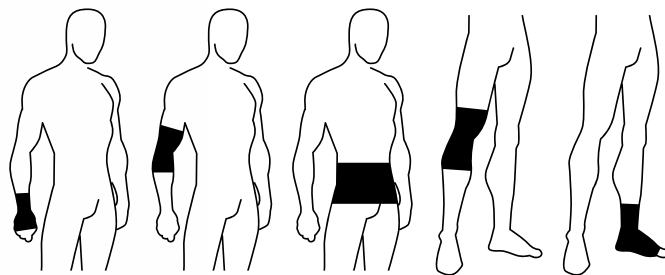




Avicenum **ORTHO 1500**

Avicenum ORTHO 1500 Bandages and Orthoses

Avicenum ORTHO 1500 orthoses and bandages are made with flat knitting technology. Materials used in their manufacture are kind to the skin and do not contain latex. Orthoses and bandages are medical aids intended for use both at home and in medical care facilities.





Avicenum ORTHO 1500 Wrist Brace Type 01

Avicenum ORTHO 1500 wrist brace type 01. There is an anatomically shaped, removable, plastic splint in the palm of the brace. The splint's fixative effect is enhanced by a strap with a hook-and-loop closure. The brace provides compression and fixation in the wrist area, yielding the required therapeutic effect. A correct size is necessary to achieve the desired effect. Most effective during physical activity. Suitable for athletic activities. The brace should be removed during longer periods of inactivity.



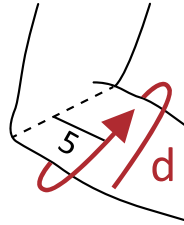
Size	XS	S	M
c (cm)	14 - 15	15 - 16	16 - 17
	L	XL	XXL
c (cm)	17 - 18	18 - 19	19 - 20



Colour
8070

Avicenum ORTHO 1500 Elbow Bandage Type 01

Avicenum ORTHO 1500 elbow bandage type 01 is made with flat knitting technology. Two special, anatomically shaped, silicone pads are integrated in the bandage, improving proprioception (sense of position, the ability to coordinate the body in space), and thus also muscle support (elbow stabilisation). The effect of the elbow bandage is enhanced by an epicondylar strap with hook-and-loop closure. The bandage provides compression and fixation in the elbow area, yielding the required therapeutic effect. A correct size is necessary to achieve the desired effect. Most effective during physical activity. Suitable for athletic activities. The bandage should be removed during longer periods of inactivity.



Size	XS	S	M
d (cm)	17 - 20	20 - 23	23 - 27
	L	XL	XXL
d (cm)	27 - 30	30 - 33	33 - 35



Colour
8070

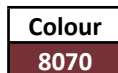
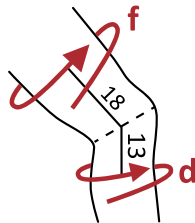


Avicenum ORTHO 1500 Knee Bandage Type 01

Avicenum ORTHO 1500 knee bandage type 01 is reinforced on the sides with flat, stainless steel, coiled springs. In the kneecap area, it is enhanced with a circular silicone pad that ensures slight compression of the patella and its correct position during movement in the knee joint. On the inside, the knee bandage has anti-slip straps with silicone dots along the entire length of the flat coiled springs. The bandage provides compression and fixation in the knee area, yielding the required therapeutic effect. A correct size is necessary to achieve the desired effect. Most effective during physical activity. Suitable for athletic activities. The bandage should be removed during longer periods of inactivity.



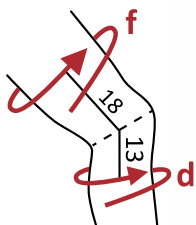
Size	f (cm)	d (cm)
XS	38 - 41	28 - 31
S	41 - 44	31 - 34
M	44 - 47	34 - 37
L	47 - 50	37 - 40
XL	50 - 53	40 - 43
XXL	53 - 56	43 - 46
3XL	56 - 59	46 - 49
4XL	59 - 62	49 - 52
5XL	62 - 65	52 - 55



Avicenum ORTHO 1500 Knee Bandage Type 02

Avicenum ORTHO 1500 knee bandage type 02 is reinforced on the sides with flat, stainless steel, coiled springs. In the kneecap area, it is enhanced with a circular silicone pad that ensures slight compression of the patella and its correct position during movement in the knee joint. At top and bottom, the bandage has fixative straps with hook-and-loop closures (to prevent the bandage from shifting on the limb) and, on the inside, anti-slip straps with silicone dots along the entire length of the flat coiled springs. The bandage provides compression and fixation in the knee area, yielding the required therapeutic effect. A correct size is necessary to achieve the desired effect. Most effective during physical activity. Suitable for athletic activities. The bandage should be removed during longer periods of inactivity.

Size	f (cm)	d (cm)
XS	38 - 41	28 - 31
S	41 - 44	31 - 34
M	44 - 47	34 - 37
L	47 - 50	37 - 40
XL	50 - 53	40 - 43
XXL	53 - 56	43 - 46
3XL	56 - 59	46 - 49
4XL	59 - 62	49 - 52
5XL	62 - 65	52 - 55



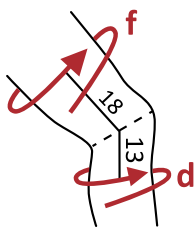
Colour
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Avicenum ORTHO 1500 Knee Brace Type 03

Avicenum ORTHO 1500 knee brace type 03 is made with flat knitting technology. The knee brace is reinforced at the sides with metal splints with biaxial joints. In the kneecap area, it is enhanced with a circular silicone pad that ensures slight compression of the patella and its correct position during movement in the knee joint. The upper and lower ends of the brace have fixative straps with hook-and-loop closures. The brace provides compression and fixation in the knee area, yielding the required therapeutic effect. A correct size is necessary to achieve the desired effect. Most effective during physical activity. Suitable for athletic activities. The brace should be removed during longer periods of inactivity.

Size	f (cm)	d (cm)
XS	38 - 41	28 - 31
S	41 - 44	31 - 34
M	44 - 47	34 - 37
L	47 - 50	37 - 40
XL	50 - 53	40 - 43
XXL	53 - 56	43 - 46
3XL	56 - 59	46 - 49
4XL	59 - 62	49 - 52
5XL	62 - 65	52 - 55



Colour
8070

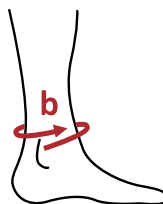




Avicenum ORTHO 1500 Achilles Tendon Bandage Type 01

Avicenum ORTHO 1500 Achilles tendon bandage type 01 is made with flat knitting technology. An anatomically shaped, silicone pad is integrated in the rear part of the bandage, improving proprioception (sense of position, the ability to coordinate the body in space) and supporting and stabilizing the Achilles tendon. Each Achilles tendon bandage comes with two silicone heel pads. One is designed for therapeutic use with the problem foot, to soften the tread and dampen shocks when walking. At the same time, thanks to a slight lifting, it reduces painful tension in the Achilles tendon. The second heel pad is designed for use with the healthy foot to equalise limb length. The bandage provides compression and fixation in the area of the Achilles tendon, yielding the required therapeutic

effect. A correct size is necessary to achieve the desired effect. Most effective during physical activity. Suitable for athletic activities. The bandage should be removed during longer periods of inactivity.



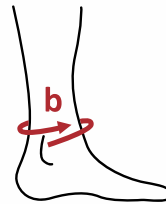
Size	XS	S	M
b (cm)	19 - 21	21 - 23	23 - 25
	L	XL	XXL
b (cm)	25 - 27	27 - 29	29 - 31



Colour
8070

Avicenum ORTHO 1500 Ankle Bandage Type 01

Avicenum ORTHO 1500 ankle bandage type 01 is made with flat knitting technology. Special, anatomically shaped, silicone pads are integrated on the medial and lateral parts of the bandage, improving proprioception (sense of position, the ability to coordinate the body in space) and thus also muscle support (ankle stabilisation). Silicone pads have a massaging effect, which helps to reduce oedemas and blood clots. The bandage provides compression in the ankle area, yielding the required therapeutic effect. A correct size is necessary to achieve the desired effect. Most effective during physical activity. Suitable for athletic activities. The bandage should be removed during longer periods of inactivity.



Size	XS	S	M
b (cm)	19 - 21	21 - 23	23 - 25
	L	XL	XXL
b (cm)	25 - 27	27 - 29	29 - 31

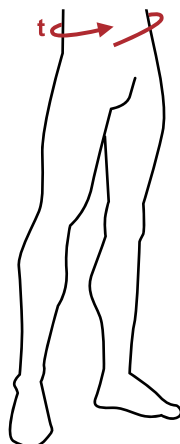


Colour
8070



Avicenum ORTHO 1500 Lumbar Orthosis Type 01

Avicenum ORTHO 1500 lumbar orthosis type 01 is made of elastic knit with integrated back reinforcements. This brace covers the lumbar vertebrae. Hook-and-loop closures at the front. When the brace is in place, stabilisation of the lumbar vertebrae, back and abdominal muscles is very well ensured. The brace provides compression and fixation in the lumbar area, yielding the required therapeutic effect. A correct size is necessary to achieve the desired effect. Most effective during physical activity. Suitable for athletic activities. The brace should be removed during longer periods of inactivity.



Size	t (cm)	Size	t (cm)
XS	65 - 70	XL	95 - 105
S	70 - 75	XXL	105 - 120
M	75 - 85	3XL	120 - 135
L	85 - 95	4XL	135 - 150



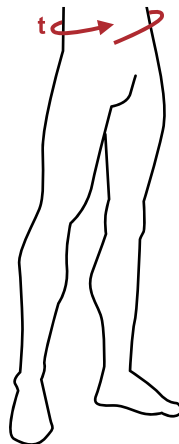
Colour
8070



Avicenum ORTHO 1500 Lumbar Orthosis Type 02

Avicenum ORTHO 1500 lumbar orthosis type 02 is made of elastic knit with integrated back reinforcements and also includes a removable silicone massage pad with massaging protrusions. This brace covers the lumbar vertebrae. Hook-and-loop closures at the front. When the brace is in place, stabilisation of the lumbar vertebrae, back and abdominal muscles is very well ensured. The brace provides compression and fixation in the lumbar area, yielding the required therapeutic effect. The effect is enhanced by the massage properties of the silicone pads. A correct size is necessary to achieve the desired effect. Most effective

during physical activity. Suitable for athletic activities. The brace should be removed during longer periods of inactivity.



Size	t (cm)	Size	t (cm)
XS	65 - 70	XL	95 - 105
S	70 - 75	XXL	105 - 120
M	75 - 85	3XL	120 - 135
L	85 - 95	4XL	135 - 150



Colour
8070



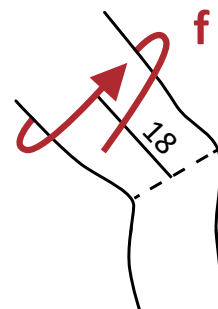
NEW

Avicenum ORTHO 2000

Avicenum ORTHO 2000 Knee orthosis type 01

Avicenum ORTHO 2000 Knee orthosis type 01 is made of 3D fabric. The materials used for its production are non-irritating and latex-free. On both sides, the orthosis integrates splints with a biaxial joint, which, in combination with the hook-and-loop fasteners, improves support and fixation of the knee joint. The mechanism of action of the knee orthosis is based on the compression action and fixation in the knee area, which produces the necessary therapeutic effect. A proper fit is necessary to achieve the desired effect.

↔	
Size	f (cm)
XS	35 - 41
S	41 - 47
M	47 - 53
L	53 - 60
XL	60 - 67
XXL	67 - 74



Colour
9999



Avicenum ORTHO 2000 Wrist orthosis type 01

Avicenum ORTHO 2000 wrist orthosis Type 01 is made of 3D fabric. The materials used for its production are non-irritating and latex-free. In the palm part of the orthosis, there is an anatomically shaped, removable splint and two other smaller splints on the sides of the wrist, which in combination with the hook-and-loop fasteners improve support and fixation of the wrist joint. The mechanism of action of the wrist orthosis is based on the compression action and fixation in the wrist area, which produces the necessary therapeutic effect. A proper fit is necessary to achieve the desired effect.

↔				
Size	S	M	L	XL
c (cm)	12 - 16	16 - 20	20 - 24	24 - 28

Colour
9999

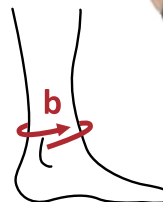


Avicenum ORTHO 2000 Ankle orthosis type 01

Avicenum ORTHO 2000 Ankle orthosis type 01 is made of 3D fabric. The materials used for its production are non-irritating and latex-free. Anatomically shaped splints are integrated into the orthosis on the medial and lateral sides, which in combination with the hook-and-loop fasteners support and fixation of the ankle joint. The mechanism of action of the ankle orthosis is based on the compression action and fixation in the ankle area, which produces the necessary therapeutic effect. A proper fit is necessary to achieve the desired effect.

↔					
Size	S	M	L	XL	XXL
b (cm)	18 - 21	21 - 24	24 - 27	27 - 30	30 - 33

Colour
9999



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 Produced and developed in the Czech Republic.

