

health aids

2006



PRODUCTS CATALOGUE



Dear customers,

You have received the new version of the catalogue with serial and customized manufacture of the company Ergon a.s. for the year 2006. In addition to the proven and innovative assortment of medical textiles, we have considerably expanded the part dedicated to orthopedic shoes and inserts. This year, we introduce for the very first time a quite unique technology for the manufacture of customized orthopedic inserts based on computer controlled equipment and digital pressure scanning.

When preparing this catalogue, we tried to arrange it as clearly as possible. We believe that we have made it easier for you to select goods. Attached to the catalogue are updated pricelists, specifying forms of payment with respect to quantity, codes and reimbursement by VZP. ERGON a.s. products can be ordered through networks of wholesale shops selling medical materials (such as Pharmos a.s.) or directly at the manufacturer's address. They are also available in the retail network (retail shops selling medical devices throughout the Czech Republic) either at your own expense or based on a prescription for a therapeutic or orthotic device. We recommend consultation with a physician when buying products paid by health insurance companies. When ordering the products, please provide all data carefully, including size. In this way, you will substantially contribute to the rapid and accurate processing of your order. We accept orders by post, fax and electronic mail.

The system for ordering and reimbursement of customized orthopedic shoes and inserts is governed by rules that have been described in detail in the shoe section of this catalogue (page 33).

All of our products are also available without a prescription.

For more information, please don't hesitate to call the numbers listed on the back page of the catalogue.

We look forward to working with you.

Ergon a.s.



# CONTENT

## ABDOMINAL BANDS 2

Adbominal band – ERGOTEX I, ERGOTEX II	2
Adbominal band pullover – ELASTO	2
Adbominal band – GUMITEX	2
Post-operative adbominal belt – ABDOMEN	3
Firming adbominal belt – KATRIX	3
Maternity belt – MATERNA	3

## LUMBAR BANDS 4

Thoraco-abdominal corset/orthosis – PERSEA	4
Kidney band, warming – ALENA	4
Kidney band, furry, warming – MISA	4
Fixing dorsal band – ERIK	5
Dorsal band – ROMAN	5
High back brace – ERGOFFIX	5
Lumbar belt – LUMBARIS	6

## HERNIA BANDS 6

Nonreversible groin hernia band – INGUIN I	6
Reversible groin hernia band – INGUIN II	6
Nonreversible scrotal hernia band – SCROTUM I	7
Reversible scrotal hernia band – SCROTUM II	7
Abdominal hernia band – ABDOMEN II	7
Hilar hernia band	8
Hilar hernia band for children	8
Athletic support ERGON	8

## BANDAGES 9

Fixing rib bandage for ladies	9
Fixing rib bandage for men	9
Fixing thigh bandage – FEMUR 99	9
Fixing wrist bandage – KARPA 99	10
Ankle bandage – TARSA	10
Ankle stabilizer	10
Shoulder bandage – HUMERUS	11
Elbow bandage – CUBITUS	11
Epicondylar band – EPIKOND	11
Infrapatellar ribbon – PATELLA	12

## FIXATIVE AIDS 12

Reinforced abduction quilt	12
Soft abduction quilt	12
Fixation sling for upper limb	12

Hinge support for the upper extremity	13
Collar bone brace – KLAVIS	13
Clavicular bandage – LINEUS	14
Wrist orthosis – KARPEX	14
Finger orthosis – DIGITA	14
Thumb orthosis – POLEX	15
Straight knee brace – OK 03	15
20° inflection knee brace – OK 05	15
Knee orthosis, type 1 ~ 3 (unbutton, patellar)	16
Knee orthosis, type 4 ~ 6 (closed, patellar, flexible)	17

## FIXING CRAVATS 18

Fixing cravat NF 98	18
Fixing neckband – PICEK	19

## OTHER AIDS 19

Peroneal traction support	19
Peroneal ankle stretch – PERON	19
Hallux valgus corrector, without reinforcement	20
Flat feet corrector, heart-shaped pad	20
Mollatex	20
Straps for restless patients	21
Light binding strap for adults, for children	21
Leather wristband with a fitting, for restless patients	21
Leather wristband, with two wristlets	22
Leather wristband	22
Straitjacket	22
Eye band with a lace	23
Bedsore relieving shoe – BONA	23
Anti-decubitus elbow pad – BONKA	23
Rehabilitation pads, PURO I – PURO IV	24
Postoperative shoe – TOTA	25
Postoperative shoe – SEMIKA	25

## ORTHOPEDIC SHOES AND ORTHOTIC-PROSTHETIC DEVICES 26

ORTHOPEDIC INSOLES AND INSERTS	30
digIMED ORTHOPEDIC INSERTS	32
HOW TO PLACE ORDERS	33
HOW AND WHERE TO ORDER, RECEIPT OF ORDERS	34
SHOP AND DISPENSING FACILITY	35
INTERNET PAGES <a href="http://www.ergon.cz">www.ergon.cz</a>	35
LEASE OF NON-RESIDENTIAL PREMISES	36



## ABDOMINAL BANDS

Height I 20 cm II 24 cm

Size Waist girth

1	70 – 85 cm
2	85 – 100 cm
3	100 – 115 cm
4	115 – 130 cm
5	130 – 145 cm



### ABDOMINAL BAND – ERGOTEX I, ERGOTEX II

Used for treatment and prevention. Significantly compresses the abdominal and dorsal area. Contains no reinforcing elements. Enhanced velcro closure in the front. Colour: white and beige.

Height 20 cm 24 cm

Waist girth

70 – 130 cm (5-cm steps)	70 – 130 cm (5-cm steps)
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### ABDOMINAL BAND PULLOVER – ELASTO

Light elastic band, reinforces the abdomen. Perfectly adheres to the body under the garment. Can be used together with thigh bands impeding the band moving upwards. Colour: beige.

Height 30 cm 35 cm

Waist girth

70 – 130 cm (5-cm steps)	70 – 130 cm (5-cm steps)
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### ABDOMINAL BAND – GUMITEX

Pullover band reinforcing the abdomen. Perfectly adheres to the body under the garment. It includes garters impeding the band moving upwards.

# ABDOMINAL BANDS .....



## POST- OPERATIVE ABDOMINAL BELT – ABDOMEN

This elastic abdominal belt is designed to immobilize and strengthen the abdominal muscles soon after a surgery in order to prevent a hernia. The belt is reinforced with two spiral claps and additional detachable elastic band.



Size	Waist girth	Height
1	80 – 90 cm	24 cm
2	90 – 100 cm	26 cm
3	100 – 110 cm	28 cm
4	110 – 120 cm	30 cm
5	120 – 130 cm	32 cm
6	130 – 140 cm	34 cm

## MATERNITY BELT – MATERNA

The belt is intended as a support of the abdominal wall in late phases of pregnancy, in particular in the lower parts of the abdomen, where the highest pressures occur. At the same time, it serves as a support of the lumbar spine. The suspenders increase the supportive effect. Available in white.



Size	Hip girth	Height
1	70 – 80 cm	21 cm
2	80 – 90 cm	21 cm
3	90 – 100 cm	21 cm
4	100 – 110 cm	23 cm
5	110 – 120 cm	23 cm
6	120 – 130 cm	23 cm

## FIRMING ABDOMINAL BELT – KATRIX

This elastic abdominal belt is designed to firm the abdominal muscles in order to prevent a hernia and immobilize the muscles after surgeries. The belt is supported with an additional elastic band at the front and three detachable metal strips.



**IMPROVED**

Height	I 20 cm	II 24 cm
Waist girth		
1	70 – 80 cm	70 – 80 cm
2	80 – 90 cm	80 – 90 cm
3	90 – 100 cm	90 – 100 cm
4	100 – 110 cm	100 – 110 cm
5	110 – 120 cm	110 – 120 cm
6	120 – 130 cm	120 – 130 cm
7	130 – 140 cm	130 – 140 cm



# LUMBAR BANDS

Front height 28 cm    Back height 40 cm

Size	Waist girth
1	70 – 80 cm
2	80 – 90 cm
3	90 – 100 cm
4	100 – 110 cm
5	110 – 120 cm
6	120 – 130 cm
7	130 – 140 cm



## THORACO-ABDOMINAL CORSET/ORTHOSIS – PERSEA

A therapeutic aid intended for postoperative immobilization/stabilization of the lumbar spine and abdominal wall, and in vertebral, lumbar and sciatic pain or after surgery. It is supplied with a removable Velcro insert in the lumbar region for thermal insulation. Reinforced with eight clasps. 3 tightening strips are available for additional strengthening of the abdominal wall. Available in white color.

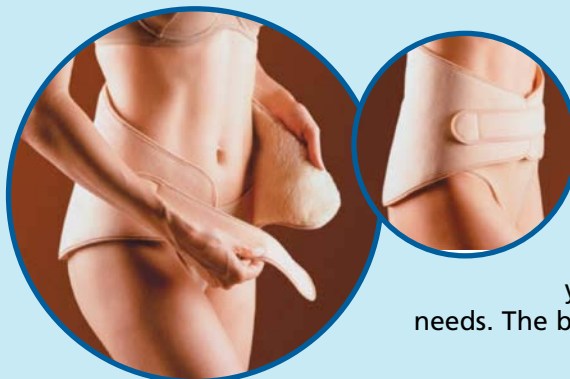
Height	Waist girth
1 26 cm	65 – 80 cm
2 26 cm	80 – 95 cm
3 26 cm	95 – 110 cm
4 29 cm	110 – 125 cm
5 29 cm	125 – 140 cm



## KIDNEY BAND, WARMING – ALENA

Kidney band helps you avoid feeling of the cold in the kidneys, whether you are at work or doing sports. Thanks to Velcro fastening, you can adjust the size to your needs. The band is intended for use by the general public. Colour: grey.

Height	Waist girth
1 28 cm	65 – 80 cm
2 28 cm	80 – 95 cm
3 30 cm	95 – 110 cm
4 30 cm	110 – 125 cm



## KIDNEY BAND, FURRY, WARMING – MISA

Kidney band helps you avoid feeling of the cold in the kidneys, whether you are at work or doing sports. Thanks to Velcro fastening, you can adjust the size to your needs. The band is intended for use by the general public. Colour: beige.



# LUMBAR BANDS



## FIXING DORSAL BAND – ERIK

Used for prevention and treatment of pain in the dorsal area, also serves as thermal insulation. The band is reinforced by four lamellas and further strengthened by additional cross-forming straps ensuring an even closer adherence to the backbone. There is a velcro in the front. Colour: white and beige.



Height 25 cm 30 cm 35 cm

Size	Waist girth
1	70 – 85 cm
2	85 – 100 cm
3	100 – 115 cm
4	115 – 130 cm

## DORSAL BAND – ROMAN I, II

Used to reinforce dorsal spine in patients with dorsal muscle insufficiency, with chronic back pain and poor back muscles. The band is light, induces no heat, contains lamellas and additional elastic cross-forming straps ensuring an even closer adherence to the backbone. There is a velcro in the front, with the abdomen and loin further strengthened by additional fastening of the cross-forming straps. Colour: white or beige.



Height 25 cm

Size	Waist girth
I	70 – 100 cm
II	100 – 130 cm

## HIGH BACK BRACE – ERGOFIX

A medical aid designed to fix lumbar vertebrae in post-accident and post-operation condition and in vertebrogenic and lumbosciatic syndromes. The part covering lumbar vertebrae is insulated with a detachable fitting, fastened with Velcro. The brace is supported with two high and four low metal strips.



Back height 55 cm Front height 17 cm

Size	Waist girth
1	70 – 80 cm
2	80 – 90 cm
3	90 – 100 cm
4	100 – 110 cm
5	110 – 120 cm
6	120 – 130 cm



# LUMBAR BANDS

Back height 32 cm    Front height 20 cm

Size	Waist girth
1	70 – 80 cm
2	80 – 90 cm
3	90 – 100 cm
4	100 – 110 cm
5	110 – 120 cm
6	120 – 130 cm



## LUMBAR BELT – LUMBARIS

A therapeutic aid intended for the fixation of the lumbar spine in post-traumatic conditions, after surgery, and in vertebrogenic pain and lumbosciatic syndromes. The belt is equipped with a removable cushion support, reinforced with four stays and additional thermal insulation padding with Velcro fastener. Available in white.

## HERNIA BANDS

### NONREVERSIBLE GROIN HERNIA BAND – INGUIN I

The band contains a pellet which presses on the hernia in the groin area and prevents it from spreading on. Suitable for both men and ladies. Both left and right.



Size	Hip girth
1	70 – 80 cm
2	80 – 90 cm
3	90 – 100 cm
4	100 – 110 cm
5	110 – 120 cm
6	120 – 130 cm
7	130 – 140 cm

### REVERSIBLE GROIN HERNIA BAND – INGUIN II

The band contains pellets which press on the hernia in the groin area and prevent it from spreading on. Suitable for both men and ladies.



Size	Hip girth
1	70 – 80 cm
2	80 – 90 cm
3	90 – 100 cm
4	100 – 110 cm
5	110 – 120 cm
6	120 – 130 cm
7	130 – 140 cm



# HERNIA BANDS



## NONREVERSIBLE SCROTAL HERNIA BAND – SCROTUM I/03

The band contains pellets which press on the hernia and prevent it from spreading on. Both left and right.



Size	Hip girth
1	70 – 80 cm
2	80 – 90 cm
3	90 – 100 cm
4	100 – 110 cm
5	110 – 120 cm
6	120 – 130 cm
7	130 – 140 cm

## REVERSIBLE SCROTAL HERNIA BAND – SCROTUM II/03

The band contains pellets which press on the hernia and prevent it from spreading on.



Size	Hip girth
1	70 – 80 cm
2	80 – 90 cm
3	90 – 100 cm
4	100 – 110 cm
5	110 – 120 cm
6	120 – 130 cm
7	130 – 140 cm

## ABDOMINAL HERNIA BAND – ABDOMEN II

This band is meant to support the abdominal muscles, with regard for location of hernia. The front is reinforced by two lamellas and additional strap, fixing a pad.



Size	Waist girth	Height
1	80 – 90 cm	24 cm
2	90 – 100 cm	26 cm
3	100 – 110 cm	28 cm
4	110 – 120 cm	30 cm
5	120 – 130 cm	32 cm
6	130 – 140 cm	34 cm



# HERNIA BANDS

Band height 8,5 cm

Size	Waist girth
1	70 – 80 cm
2	80 – 90 cm
3	90 – 100 cm
4	100 – 110 cm
5	110 – 120 cm
6	120 – 130 cm
7	130 – 140 cm



## HILAR HERNIA BAND

The band contains a 14 × 11 cm pellet which presses on the hernia and prevents it from spreading on. There is a velcro in the hilar area.

Height 6 cm

Size	
1	34 – 43 cm
2	43 – 52 cm



## HILAR HERNIA BAND FOR CHILDREN

The pressure of the pellet stops the hernia from spreading. This light and flexible band is a very use full preventive tool in children awaiting an operation.



Size	Hip girth	Bag height
1	50 – 120 cm	12,3 cm
2	50 – 120 cm	14 cm
3	60 – 140 cm	16 cm
4	60 – 140 cm	17 cm
5	60 – 140 cm	18 cm



## ATHLETIC SUPPORT ERGON

Both a therapeutic and a surgical tool. The support bag restrains the painful movement of scrotum experienced during inflammations or after operations. It is recommended to patients with hernia, after injuries, etc.

# BANDAGES



## FIXING RIB BANDAGE FOR LADIES

The bandage is designed for fixing the ribs. It is recommended to patients with fractures, painful sprains, or with strained or torn muscles. A 3-cm lowering under the breasts. Colour: white or beige.



Height 16 cm

Size	Girth under the breasts
1	60 – 75 cm
2	75 – 90 cm
3	90 – 105 cm
4	105 – 120 cm
5	120 – 135 cm

## FIXING RIB BANDAGE FOR MEN

The bandage is designed for fixing the ribs. It is recommended to patients with fractures, painful sprains, or with strained or torn muscles. Colour: white or beige.



Height 16 cm

Size	Girth under the breasts
1	60 – 75 cm
2	75 – 90 cm
3	90 – 105 cm
4	105 – 120 cm
5	120 – 135 cm

## FIXING THIGH BANDAGE – FEMUR 99

Strengthening of the thigh muscle after tearing or straining the muscular fibres, after operations and in myalgia. Also suitable for prevention. Colour: white.



Height 20 cm

Size	Thigh girth
1	48 – 55 cm
2	55 – 62 cm
3	62 – 70 cm



# BANDAGES

Height 8 cm

Size	Wrist girth
1	15 – 18 cm
2	18 – 21 cm
3	21 – 24 cm



## FIXING WRIST BANDAGE – KARPA 99

Strengthening of the wrist in luxations or distortions of the carpal area. Recommended to patients with strained or injured muscular or tendinous insertions. Also suitable for prevention. Colour: white or beige.

## ANKLE BANDAGE – TARSA

A therapeutic and preventive aid with elastic fastening straps. It is intended for the fixation of the tarsal and metatarsal regions, ankle joints and ligaments after traumatic injuries, surgical procedures and/or chronic instability. Left and right version.

Size	Ankle girth
1	21 – 23 cm
2	23 – 25 cm
3	25 – 28 cm



**IMPROVED**

Size	Ankle girth
1	19 – 21 cm
2	21 – 23 cm
3	23 – 25 cm
4	25 – 27 cm



## ANKLE STABILIZER

The ankle stabilizer is used to support the ankle for individuals with a sprained ankle or as prevention. It is manufactured as an eight-shaped pull-on support.

# BANDAGES



## SHOULDER BANDAGE – HUMERUS

This bandage is intended for stabilization of the shoulder joint, in acute and chronic inflammation, rheumatic processes, and after puncture. Heat insulating. Universal left/right configuration.



Size	Chest girth
1	80 – 95 cm
2	95 – 110 cm
3	110 – 125 cm

## ELBOW BANDAGE – CUBITUS

Elbow bandage is applied for patients with inflammation and rheumatic disorders in the area of elbow joint and/or bursitis. Mild bandage helps give relief from of pain. Velcro fastening strap is available for additional stronger fastening.



Size	Elbow girth
1	22 – 26 cm
2	26 – 30 cm
3	30 – 34 cm

## EPICONDYLAR BAND – EPIKOND

Epicondylar band is intended for patients with “tennis elbow”. Flexible shells generate pressure on the tendon insertion site to reduce pain. Flexible shells are adjustable using Velcro fasteners according to pain points and anatomical conditions. Available in beige or blue color.



Size	Universal
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## BANDAGES

Size Universal



**IMPROVED**

### INFRAPATELLAR BAND – PATELLA

The flexible shell generates pressure on the tendon insertion site of the quadriceps muscle to alleviate pain in patients with injury or inflammation. Universal size.

Required span between the shanks

14, 16, 18, 20, 22, 24, 26 cm



### FIXATIVE AIDS

#### REINFORCED ABDUCTION QUILT

Indicated in children with luxated or displaced hips for both prevention and treatment. This type of quilt is reinforced with a polyethylene inset for firm yet gentle fixation of the limbs in a nominated angle. Velcro fastening. Facing colour: red or blue.

Required span between the shanks

14, 16, 18, 20, 22, 24, 26 cm



#### SOFT ABDUCTION QUILT

Indicated in children with luxated or displaced hips for both prevention and treatment. This type of quilt is reinforced with a soft inset for gentle fixation of the limbs in a nominated angle. Velcro fastening. Facing colour: red or blue.



# FIXATIVE AIDS



## FIXATION SLING FOR UPPER LIMB

This sling is used for treatment of injured arms or major surgeries of the upper limb. It helps keep the arm still, and reduce the pain. Recommended flexion of the limb is 90°. The size of the sling is measured from the elbow to the fifth finger knuckle. Colour: beige.



Size	Measure*
1	25 – 30 cm - <i>children</i>
2	35 – 40 cm
3	45 – 50 cm

\* From the elbow to the fifth finger knuckle

## HINGE SUPPORT FOR THE UPPER EXTREMITY

It is used as a support of the arm in patients with paresis, stroke or injury of the upper extremity. It helps stabilize the thumb in extension. The length of the hinge can be adjusted according to the individual anatomical conditions. Colour: beige.



Size	Universal
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## COLLAR BONE BRACE – KLAVIS

Designed to fix the collar bone after accidents and surgical performances when the shoulder blade must be fixed. The brace may be also used to correct bad posture (round shoulders) Shoulder traction is measured across the shoulder from the middle of the backbone at the blade-bone level.



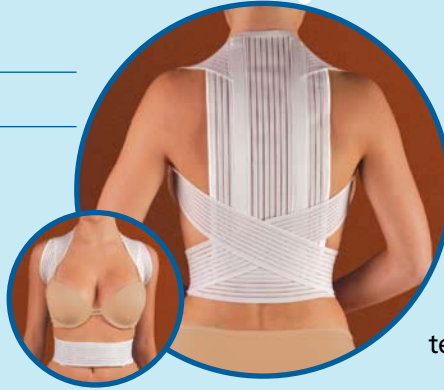
Size	Shoulder straps length
1	45 – 55 cm
2	55 – 65 cm
3	60 – 70 cm
4	70 – 80 cm
5	80 – 90 cm
6	85 – 95 cm



## FIXATIVE AIDS

Back height 35 cm

Size	Waist girth
1	70 – 80 cm
2	80 – 90 cm
3	90 – 100 cm
4	100 – 110 cm
5	110 – 120 cm
6	120 – 130 cm



### CLAVICULAR BANDAGE - LINEUS

This bandage is intended for stabilization/immobilization of the clavicle after injury or surgery. It is reinforced with two clasps in the back. After placing the bandage on the back region, lower fastening straps should be fastened around the waist. Upper fastening straps should be placed over the shoulders, pulled through the armpits, crossed on the back and done up above the already fastened lower fastening straps. This bandage can be also used for the correction of poor posture (round back).

Size Wrist girth

1	13 – 15 cm
2	15 – 17 cm
3	17 – 19 cm
4	19 – 21 cm



**IMPROVED**

### WRIST ORTHOSIS – KARPEX

A therapeutic aid, with two metal splints and fastenings straps. It is intended for the fixation of the carpal region in case of bone, ligament, and/or muscle injuries, in tendonitis, rheumatic arthritis, and in carpal tunnel surgery. We suggest that you consult a specialist physician about the use and application of this device. Left and right version.

Size Height of orthosis

1	22 cm
2	25 cm



**IMPROVED**

### FINGER ORTHOSIS – DIGITA

A therapeutic aid intended for the fixation of fractures, dislocations, distortions, ligament injuries and in arthritis, of fingers and joints of the hand. The orthosis should be fixed using fastening straps. The shape of the splint should be adjusted as needed.

# FIXATIVE AIDS



## THUMB ORTHOSIS – POLEX

A therapeutic aid reinforced with a splint, with fastening straps. It is intended for the fixation of fractures, dislocations, distortions, injuries to ligaments and for the arthritis of the thumb and joints of the hand. Left and right version.



**IMPROVED**

Size	Wrist girth
1	13 – 17 cm
2	17 – 21 cm

## STRAIGHT KNEE BRACE – OK 03

A knee brace is used to fix the knee joint in a rigid position after injuries of the kneecap and the knee ligaments. The knee brace width is adaptable, there are straps with velcros. The knee brace is strengthened with lamellas.



Size	Length
1	40 cm
2	50 cm
3	60 cm
4	65 cm

## 20° INFLECTION KNEE BRACE – OK 05

This knee brace is used to fix the knee joint inflected in a 20° angle. The knee brace width is adaptable, there are straps with velcros. The knee brace is strengthened with lamellas.



Size	Length
1	40 cm
2	50 cm
3	60 cm
4	65 cm



## FIXATIVE AIDS

Size	Knee girth
1	30 – 33 cm
2	33 – 36 cm
3	36 – 39 cm
4	39 – 42 cm
5	42 – 45 cm
6	45 – 48 cm



### KNEE ORTHOSIS, TYPE 1, FOLD-OUT

This support is used after the injury of knee joint, knee ligaments, and in chronic disorders and mild knee instability. It is suitable for patients with rheumatic and arthritic problems. Heat-insulating. It is reinforced with biaxial plastic straps. The front part contains knee-long fastening, a mechanism which enables easy handling. Opens full length. Made of neoprene.

Size	Knee girth
1	30 – 33 cm
2	33 – 36 cm
3	36 – 39 cm
4	39 – 42 cm
5	42 – 45 cm
6	45 – 48 cm



### KNEE ORTHOSIS, TYPE 2, PATELLAR

This support is used for stabilization of the knee joint and lateral ligaments and as a patellar support. It is indicated for injuries, after surgery, arthritis, mild knee instability and knee meniscus damage. Heat-insulating. It is reinforced with biaxial plastic clasps. Pull-on design. Made of neoprene.

Size	Knee girth
1	30 – 33 cm
2	33 – 36 cm
3	36 – 39 cm
4	39 – 42 cm
5	42 – 45 cm
6	45 – 48 cm



### KNEE ORTHOSIS, TYPE 3 WITH LATERAL STABILIZATION

This support is used for stabilization of the knee joint and patella. It is used after knee surgery and in injuries to reduce lateral and anteriorposterior instability of knee ligaments, arthrosis, arthritis, and knee meniscus damage. It is reinforced with 4-spiral plastic clasps. Pull-on design. Made of flexible cotton fabric.

# FIXATIVE AIDS



## KNEE BRACE, TYPE 4 FULL

This support is indicated after surgery, in patients with injuries, arthrosis, arthritis, and other chronic problems. Heat-insulating. It is reinforced with 4-spiral plastic clasps. Pull-on design. Made of neoprene.



Size	Knee girth
1	30 – 33 cm
2	33 – 36 cm
3	36 – 39 cm
4	39 – 42 cm
5	42 – 45 cm
6	45 – 48 cm

## KNEE BRACE, TYPE 5, PATELLAR

This support is indicated after surgery, in patients with injuries, arthrosis, arthritis, and other chronic problems requiring patellar support. Heat-insulating. It is reinforced with 4-spiral plastic clasps. Pull-on design. Made of neoprene.



Size	Knee girth
1	30 – 33 cm
2	33 – 36 cm
3	36 – 39 cm
4	39 – 42 cm
5	42 – 45 cm
6	45 – 48 cm

## KNEE BRACE, TYPE 6 FLEXIBLE

This support is used for mild immobilization of the knee joint. Compression and patellar support provides pain relief in patients with injuries, inflammation and chronic knee problems. It is reinforced with 4-spiral plastic clasps. Pull-on design. Made of flexible cotton fabric.



Size	Knee girth
1	30 – 33 cm
2	33 – 36 cm
3	36 – 39 cm
4	39 – 42 cm
5	42 – 45 cm
6	45 – 48 cm



# FIXING CRAVATS

Height	8 cm	10 cm
colour	white or beige	white only

Size	Neckband length
1	45 cm
2	50 cm
3	55 cm
4	60 cm



## FIXING CRAVAT NF 98 – STRAIGHT HEIGHT 8 AND 10 cm

Fixing the cervical spine after injuries and during pathological alterations. Typically recommended by orthopaedists, surgeons and rehabilitation doctors. Serves as thermal insulation. Colour: white or beige.

Size	Neckband length
1	45 cm
2	50 cm
3	55 cm
4	60 cm



## FIXING CRAVAT NF 98 – ANATOMICAL HEIGHT 8 cm

This cravat has the same properties as its straight variant, and it is popular for its anatomical shaping - which causes elevation of the front part by 2 cm. The length of the collar is 10 cm more than the neck circumference. Available in white or beige color.

Size	Neckband length
1	30 cm
2	35 cm
3	40 cm
4	45 cm
5	50 cm
6	55 cm



## FIXING CRAVAT NF 98 – STRAIGHT HEIGHT 6 cm

Fixes the cervical spine and serves as thermal insulation. Suitable for both children and adults. Velcro fastening. Colour: white.



# FIXING CRAVATS



## FIXING NECKBAND – PICEK

Light fixing neckband with a polyethylene reinforcement. One size fits all, small and handy. Fastened with laces.



Height 7 cm

Neckband length 32 cm

## OTHER AIDS

### PERONEAL TRACTION SUPPORT

This elastic traction support elevates the tip of the foot to facilitate gait in patients with paresis or after polio. The length of the traction support is measured in the sitting position from the pit under the patella up to the toes bases (a place for fastening of this traction support to the shoes). The circumference of the band under the knee is adjustable using the Velcro strap.



Size Stretch length

1	26 cm
2	30 cm
3	34 cm
4	38 cm
5	42 cm
6	46 cm

### PERONEAL ANKLE STRETCH – PERON

Elastic stretch helps raise the toe, which is appreciated by patients suffering from paresis or paralysis. The length of the stretch is measured from the ankle girth to the toe roots. The band around ankle is adjustable using a Velcro.



Size Stretch length

1	8 cm
2	10 cm
3	12 cm
4	14 cm
5	16 cm



## OTHER AIDS

### HALLUX VALGUS CORRECTOR WITHOUT REINFORCEMENT

A therapeutic and preventive tool in patients with hallux valgus. Suitable for daily wear. For both left and right foot fits both sides.



Size	Shoe size
1	35 – 37
2	38 – 40
3	41 – 43
4	44 – 46

### FLAT FEET CORRECTOR HEART-SHAPED PAD

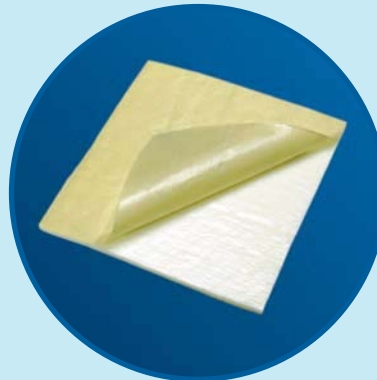
Metatarsal pad – heart-shaped with a loop to be tacked at a toe. To be worn inside the shoe. Sold in pairs.



Size	Shoe size
1	36 – 38
2	39 – 41
3	42 – 44

### MOLLATEX

Self-sealing plaster for calluses and corns. The required shape can be cut out according to the need.



Size	10 x 10 cm
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## OTHER AIDS



### STRAPS FOR RESTLESS PATIENTS

Made of leather, very strong. Used to tie the patient's arms and legs to the bed. The inside of fittings is softened with felt.



Size adjustable through wristlets

### LIGHT BINDING STRAP FOR ADULTS, FOR CHILDREN

Used when performing an infusion or transfusion to tie the patient's hand to the bed.



Width

6 cm FOR CHILDREN  
8 cm FOR ADULTS

### LEATHER WRISTBAND WITH A FITTING, FOR RESTLESS PATIENTS

Used to tie the patient's arms or legs to the bed. Wristbands for arms and wristbands for legs are sold separately. The insides of the wristbands are softened with a felt.



Size adjustable through wristlets

Width

7 cm FOR ARMS  
9 cm FOR LEGS



## OTHER AIDS

Size adjustable through wristlets

Width 10 cm

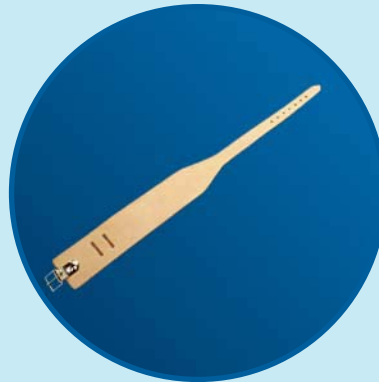


### LEATHER WRISTBAND WITH TWO WRISTLETS

A therapeutic tool used in injured muscular or tendinous insertions and preventive tool protecting and strengthening the wrist during increased strain. The inside of the wristband is softened with a smooth fell.

Size adjustable through wristlets

Width 4,5 cm



### LEATHER WRISTBAND

A wristband protecting and strengthening the wrist during increased strain.

Size	Hip girth	Length
1	105 cm	62 cm
2	120 cm	64 cm
3	140 cm	65 cm



### STRAITJACKET

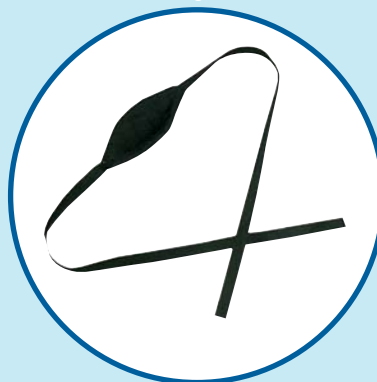
An effective tool to restrain fitful movements of restless patients. The elongated sleeves of the straitjacket enchainment it on the beck and without pain immobilise arms of the patient who is in danger of self-mutilation.

## OTHER AIDS



### EYE BAND WITH A LACE

The black colour of the cloth prevents the penetration of light to the eye.



Size Universal

### BEDSORES RELIEVING SHOE – BONA

A warm shoe used to relieve the limb of a recumbent patient. Prevents bedsores, is velcroed to the limb. Just one size adjustable through a strap with a velcro over the instep.



Size Universal

### ANTI-DECUBITUS ELBOW PAD – BONKA

This pad is suitable for bedridden patients who are prone to developing bedsores. Available in white.



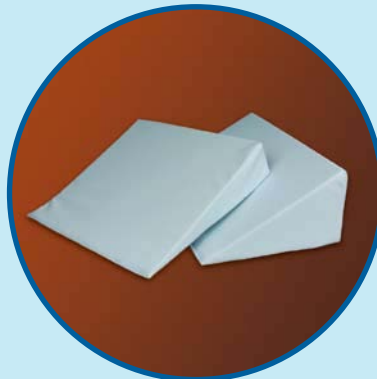
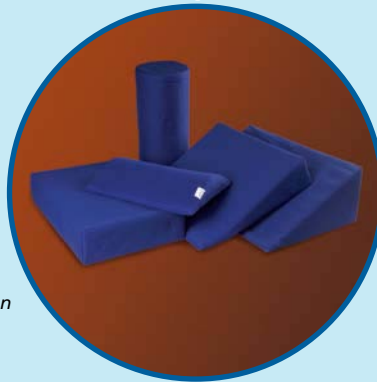
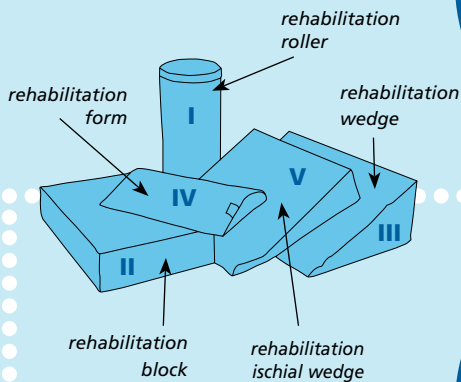
Size Universal



## OTHER AIDS

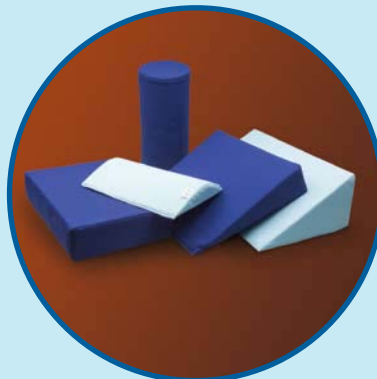
### REHABILITATION PADS PURO I – PURO V

Rehabilitation pads „PURO “ are manufactured from high-quality foam covered with a breathable cloth from pure cotton, enabling comfort use. Thanks to simple handling and low weight, these pads are used for the positioning of bedridden patients (to avoid development of decubitus ulcers), during rehabilitation exercise and (last but not least) for home use (support of the back during long sitting, such as in cars, and so on). A sitting wedge supports proper posture of the body while in the sitting position. Basic shapes available: block, roller, wedge, form, ischial wedge. Available in dark blue.



### PURO – A VARIANT WITH WASHABLE SURFACE

The „high-hygiene “ variant of the pads constitutes a new item in our range. Unlike the basic version, these pads contain a coating from Sanapur, a comfortable and soft washable material. Available in light blue.



PURO		Dimensions
PURO I	rehabilitation roller	35 × 15 cm
PURO II	rehabilitation block	40 × 25 × 8 cm
PURO III	rehabilitation wedge	30 × 45 × 15 cm
PURO IV	rehabilitation form	32 × 22 × 5 cm
PURO V	rehabilitation ischial wedge	38 × 38 × 8 cm



## OTHER AIDS



### POSTOPERATIVE SHOE – TOTA

This shoe is indicated for indoor use as a temporary shoe for the immediate management of changes in foot volume, such as chronic swelling, postoperative edema, and other changes. It assures an additional covering layer for postoperative wounds. Available in blue.



Size	Shoe size
1	23 – 24
2	25 – 26
3	27 – 28
4	29 – 31

### POSTOPERATIVE SHOE – SEMIKA

This shoe is indicated for conditions after orthopedic foot surgery (hallux valgus, hallux rigidus, hammer toes) and for diabetic foot syndrome. It provides a relief for and stabilization of the entire foot. Available in blue.



Size	Shoe size
1	23 – 24
2	25 – 26
3	27 – 28
4	29 – 31

### UNDER SHOULDER ROLLER, STRAP I, STRAP II

1 or 2 rollers (20 cm long, diameter 8 cm) which are placed in the armpits to center the shoulder joint head. It is suitable for patients with upper extremity plegia or after stroke. A 3 m strap is pulled through the center of the roller, and then passed over the back and crossed and fastened with a buckle. Universal size.



# ORTHOPEDIC SHOES

■ Ergon a.s. manufactures **individual orthopedic shoes** (women's, men's, and child's) for patients across the Czech Republic. Use of these shoes helps to alleviate and/or eliminate problems and discomforts associated with congenital or acquired foot deformities, post-traumatic conditions and neurological or metabolic disorders. It allows patients with severe disorders to fully enjoy life and join in various activities in work and society.

■ The shoes are manufactured **fully on an individual basis**, without any prefabricated components. A patient together with an orthotic technician decides on the design, structure and materials to be used with respect to his/her disorder, function, and purpose of the shoes. Precise measuring of foot geometry is crucial for the perfect fabrication of the device as a whole. However, it takes more than precise measurements, as is normal in tailor-made shoes – it also involves detailed analysis of patient's history, including answers to many questions regarding the



## AND ORTHOTIC-PROSTHETIC DEVICES



patient's actual problem, condition of the sole of feet, posture and configuration of the entire lower extremity, and habits associated with putting on shoes and character of gait. The high quality of fabrication is guaranteed by a high proportion of handiwork, which is involved in every pair of shoes, the **originality of each pair** and often even of one shoe in the pair, selection from a wide variety of types and colors of natural outer leather, and the high professionalism of the company's employees.



The result is harmony between the functional and esthetic requirements of orthopedic shoes as a therapeutic and preventive device.

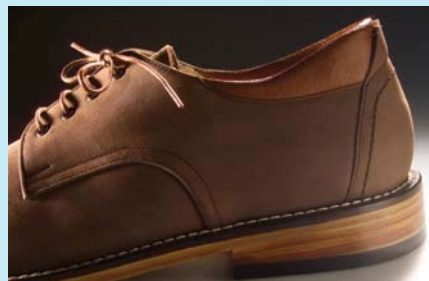


## ORTHOPEDIC SHOES



■ A successful combination of esthetic design and orthopedic functionality can be achieved by combining more than **70 basic orthopedically optimized and adjustable cuts** or by selecting an individual cut, along with selection of the type of sole and material from a wide collection of **5 leather types in 17 shades**. For patients with mild to moderate disorders, we can provide shoes that follow the latest fashion trends, while meeting all therapeutic requirements.

■ In its program, **Ergon a.s.** also focuses on patients with



## AND ORTHOTIC-PROSTHETIC DEVICES



very severe congenital or acquired foot disorders, such as congenital deformities, post-traumatic amputations, amputations due to ischemic diseases of lower extremities or diabetic foot syndrome, treatment-resistant calluses, and large differences in the length of extremities, and manufactures special orthotic-prosthetic devices for them. They are mostly fabricated using the patient's foot plaster cast, which is processed during the fabrication to match the character of the disorder, so that the final product provides optimum comfort for the patient when walking.

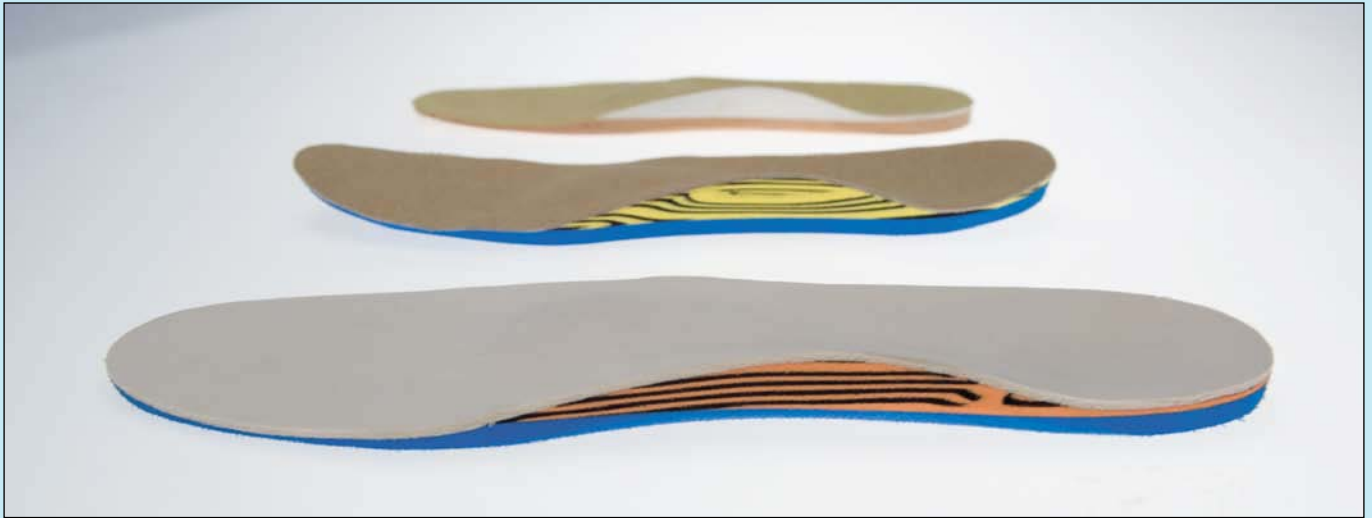
■ **Ways of ordering orthopedic shoes** and orthopedic-prosthetic devices are shown, along with a table of VZP codes, on the side of this catalogue.

Figures:

- *Extension sandal with high shortening*
- *Chopart's sandal and shoes*
- *Shoes for severe deformity of sole of foot and tarsal joint*



# ORTHOPEDIC INSOLES AND INSERTS



■ **Ergon a. s.** is a longstanding manufacturer of **individual and special orthopedic inserts** and semi-products and currently offers the following types of orthopedic inserts and insoles:

- Digital inserts digiMED
- Dynamic PAD inserts
- Arch support inserts
- Inserts for mild disorders

■ All types of inserts are used to compensate disorders of the sole of foot, correct poor foot posture, support longitudinal and transversal foot arch, compensate differences

in the length of the lower extremities up to 1.5 cm and reduce the load on painful and overloaded spots such as heel spur, metatarsal heads, or calluses.

They are manufactured from materials of various properties (stiffness, shape memory, washability, and so on) or their combinations in accordance with the patient's needs.

■ In addition to traditional methods of static imprints using a footprint machine (plantograph) or foam footprints (see "Arch support inserts" and "Inserts for mild

disorders"), Ergon a.s. utilizes up-to-date methods, using the technique of **dynamic treads**. The two well-established principles are used as follows:

**1. Analogous principle** – gait in a special shoes with an inserted mold filled with plastic (known as Dynamic PAD inserts).

**2. Digital principle** – gait on a platform with pressure sensors, indicating distribution of pressures and total load on the sole (see digiMED digital inserts).



# ORTHOPEDIC INSOLES AND INSERTS

## DYNAMIC PAD INSERTS

■ Footprints made into a plastic material measure **dynamic properties of foot while walking**. The plastic material placed in special shoes is shaped during walking according to the needs of the foot and effects of the gait on its shape are recorded. After removing the footprint from the shoes, the technician finalizes the shape depending on orthostatic requirements. He/she can fabricate a detailed metatarsal cushi-



on of corresponding height and width, reduce the load in places with persistent or healed defects, change the heel cup at the site of painful step caused by heel spur or create other individual corrections. Subsequently, a positive foot structure is created in a vacuum press according to the corrected shape. The structure is then pressed into a bicomponent casting mixtu-

re in the appropriate mold. Inserts of various stiffness and various cover materials can be chosen given according to the diagnosis, foot condition, and patient's age. Once the mixture is hardened, the insert obtained is fabricated and adjusted for **application in orthopedic and normally manufactured shoes**. The high requirements of professional fabrication in terms of correction and materials used are offset by the precision of the measurements obtained and its final beneficial therapeutic and preventive function.

## ARCH SUPPORT INSERTS

■ Shoes with fixed heel guidance (heel cup) are intended in particular for pediatric patients. These shoes **eliminate the effects of improper children's shoes** thus contributing to the healthy development of feet. They are especially suitable for the correction of



heel valgus or varus. The insert comprises a basic layer and cover layer, with supporting material being heat-pressed between them to provide stability and strength of the shape. Due to its design, the insert can be further modified according to the child's foot (detorsion, compensation of small shortenings of the lower extremities up to 1.5 cm, supination and pronation wedge supports). **It is incorporated into standard shoes.**

*A cross section of the arch support insert*



## INSERTS FOR MILD DISORDERS

■ For those with mild disorders, Ergon a.s. manufactures inserts from many other prosthetic materials (pedilin, polyform, artificial cork, and so on). They are usually manufactured based on a static plantogram. The basic material is heat pressed to a modified last. They are intended to support longitudinal and transverse foot arch to compensate minor differences in the length of lower extremities.

# NEWS – digiMED ORTHOPEDIC INSERTS



■ A new generation of orthopedic inserts including inserts fabricated based on digital pressure scanning of feet (measurement of pressures on the sole of foot) in a 1200 mm long treadmill with 4,800 pressure sensors. Unlike other similar systems, this system enables to complete the entire step during a single measurement. This leads to a significant increase of precision, because the patient is not stressed with the necessity to land exactly on a small plate, as frequently seen in competitors' measuring systems. In addition, final data can be optimized using several (usually three) dynamic steps, which enables the taking into account of individual deviations in every single step.



■ Data obtained in static and dynamic tests enable very precise evaluation of the foot load during the individual phases of the step, including generation of a proposal for the basic insert using specialized computer program.

■ This proposal can be corrected freely and to a high-detail based on recommendations from a specialist physician. Optimal stiffness and layering of materials and type of cover layer can be chosen according to the patient's foot condition, sensitivity or disorder,



if any, and according to the patient's wishes. This enables to optimally reduce the load (to provide optimal reduction of load) at overloaded sites to avoid development of calluses or to significantly support the healing, especially in diabetic patients.

■ The diagnostic program also serves to compare the footprint (pressure map) obtained with a standard template of healthy foot as well as to compare any measurement with previous data. Both the patient and the technician can see the effects of therapeutic and corrective action of the insert in the distribution of pressures.

■ Data on the final shape of the insert is transferred into the control computer of the numerically controlled cutter, which precisely fabricates the insert. Final polishing for standard or orthopedic shoes provides

# HOW TO PLACE ORDERS

patients with more comfort while walking.

■ Thanks to the unique variability of the digital pressure scanning, the system as a whole can be used to design inserts for special use outside the field of medical manufacture. Of great popularity are in particular specialized applications for many sport disciplines, including professional sports, where they are used to replace basic inner insoles, which are easily removable. This systematic solution becomes increasingly popular thanks to a quite individual composition of the insert sandwich, ability to define the required shape from an unlimited range of options, and the possibility of feedback control of the effects of the insert and distribution of forces by comparing series of measurements. Another benefit which is highly evaluated is that all outputs can be easily filed in a database, which facilitate, fastens and reduces the costs for the production of additional pairs of individual inserts

according to a well-established individual template, especially in sports and leisure applications.



The manufacture of all therapeutic orthotic devices of the company **ERGON a.s.** is performed based on a prescription issued by a specialist physician (orthopedist, orthopedic prosthetist, physiotherapist) or based on the individual order of a self-payer.

■ Orders for individual orthopedic shoes can be placed at any facility of Ergon a.s. in Prague or in any contractual partner across the Czech Republic – see Receipt of Orders at page 34.

At these facilities, an orthopedic technician measures the foot parameters using the podograph and records the basic orthopedic and technical requirements for the manufacture of an orthotic device. When orthopedic shoes are to be manufactured, the technician along with the customer will choose the appropriate shape of the last, type of sole (such as wedge or heel), mode of closing (Velcro, lacing, buckles), material and color, or any other treatments, considering the specific foot disorder. A large range of choice enables to meet high demands of patients in terms of the esthetics and functionality of shoes.

■ Parameters for the said types of **individual and special orthopedic inserts are measured at the facilities of Ergon a.s. in Prague** (see “Receipt of Orders”) in the similar manner as for the manufacture of shoes. Background parameters for the fabrication of digiMED inserts are measured at the respective facilities using digital measurement techniques.

# HOW AND WHERE TO ORDER, RECEIPT OF ORDERS

## PRAGUE FACILITY

**Sokolská 35, Prague 2**  
Phone: 224 941 235  
(Entrance from Ječná street, subway I. P. Pavlova)

Working hours:  
Mon 8.00 – 15.30  
Tue 8.00 – 15.30  
Wed 8.00 – 17.30  
Thu 8.00 – 15.30  
Fri 8.00 – 13.30

**V Úvalu 84, Prague 5**  
(FN Motol area)  
Phone: 224 436 038

Working hours:  
Mo – Fri 8.30 – 15.00

**Papírenská 1, Prague 6**  
Phone: 234 123 271

Working hours:  
Mon 7.00 – 14.00  
Tue 7.00 – 14.00  
Wed 7.00 – 14.00  
Thu 7.00 – 14.00

## THESE FACILITIES OFFER:

- 1) Manufacture, adjustment, and repair of individual orthopedic shoes
- 2) Adjustment of standard shoes
  - compensation for a lower extremity shortening
  - foot arch applications
  - relief from calcaneal spur, etc.
- 3) Manufacture and application of orthopedic inserts for all foot deformities (digiMED, PAD, insoles for women's pumps)
- 4) Fabrication of direct foot replacements and special applications



## LIST OF ORTHOPEDIC FACILITIES COOPERATING WITH ERGON a. s. IN THE AREA OF MEASURING PARAMETERS FOR ORTHOPEDIC SHOES

**Centrum techn. ortop. s. r. o.**  
**Kriegelstein A.**  
Riegerova 3,  
370 01 Č. Budějovice  
Phone: 387 311 727 – 9

**Help centrum** (1x monthly)  
Blahoslavova 185  
293 01 Mladá Boleslav  
Phone: (Mon-Wed)  
326 729 760, 603 287 472

**Malík s. r. o.**  
**Technical and Prosthetic Care**  
Na Okrouhlíku 1681  
500 02 Hradec Králové  
Phone: 495 214 632  
495 214 634

**Marie Ivičičová**  
Gebauerova 5, 615 00 Brno  
Phone: 548 212 397

**Ortop – Plzeň**  
**Ortopedic prosthetics**  
Cukrovarská 18,  
301 33 Plzeň-Bory  
Phone: 377 420 025  
603 421 218

**Ortopedická protetika s.r.o.**  
**Hanuš Jan**  
tř. Gen. Svobody 24/93,  
460 13 Liberec 13  
Phone: 485 106 644

**ORTOTIKA – PROTETIKA s. r. o.**  
Sociální péče 3316/12a  
401 13 Ústí nad Labem  
Phone: 477 114 466

**Sýkora – Malík s.r.o.**  
**Technical and Prosthetic Care**  
Lidická 6 A, 301 66 Plzeň  
tel.: 377 529 060

# SHOP AND DISPENSING FACILITY



## FOR MEDICAL DEVICES

Sokolská 35, 120 00 Prague 2, Phone: 224 941 816

Working hours: Mo – Fri 8:00 – 18:00

Ergon a.s.' dispensing facility offers a wide assortment of medical devices to be acquired at the patient's expense or based on the prescription for therapeutic and orthopedic aids/devices. We are able to operatively order aids and devices that are currently not available.

A facility for orthopedic shoes and inserts is located at the same address.

### WE OFFER:

- Crutches, canes, walking frames, bath seats
- Orthopedic shoes, serial orthopedic inserts
- Compression socks, knee-high compression socks, supports, lumbar and hernia belts and, cervical supports
- Bandaging materials
- Massage machines and baths for feet and other parts of the body
- Rehabilitation products
- Glucometers, lancets, test strips for diabetics
- Incontinence aids
- Herbal teas and ointments
- Food supplements, vitamins
- Baby and infant products

...and other medical devices

## INTERNET PAGES WWW.ERGON.CZ



always provide updated information on the entire assortment of Ergon a.s.

### HERE YOU CAN FIND:

- a complete catalogue of medical textiles in an interactive form
- all models of individual orthopedic shoes
- all information on orthopedic inserts and insoles
- updated contact information for your region
- all about how to order from our assortment of medical products
- information about the reimbursement of our products by health insurance companies

...and much more information



# LEASE OF NON-RESIDENTIAL PREMISES

The joint stock company Ergon holds large office, manufacturing and storage premises intended for lease in its Prague area located in Papírenská street. These premises, along with the premises directly used by our company, form a modern commercial and administration center with complete infrastructure and a range of services.

In the three main areas of the center, a total of 10,000 square meters of utility premises are available for external lessees – of which 20% is intended for office use. The other areas are variably prepared to be used as manufacturing or storage premises. The premises can be variously modified in case of large-scale lease. For information about the premises currently available and



price offers call **234 123 247, 234 123 346**. We also welcome your personal visit at the following

address: Ergon a. s., Papírenská 1, 166 11 Prague 6.

e-mail address: [najmy@ergon.cz](mailto:najmy@ergon.cz)







■ individual orthopaedic footwear production

■ individual orthopaedic insoles production

■ health clothing production

■ health aids distribution



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[www.ergon.cz](http://www.ergon.cz)

