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/ SPECJALIZED INDIVIDUAL ORTHOTICS

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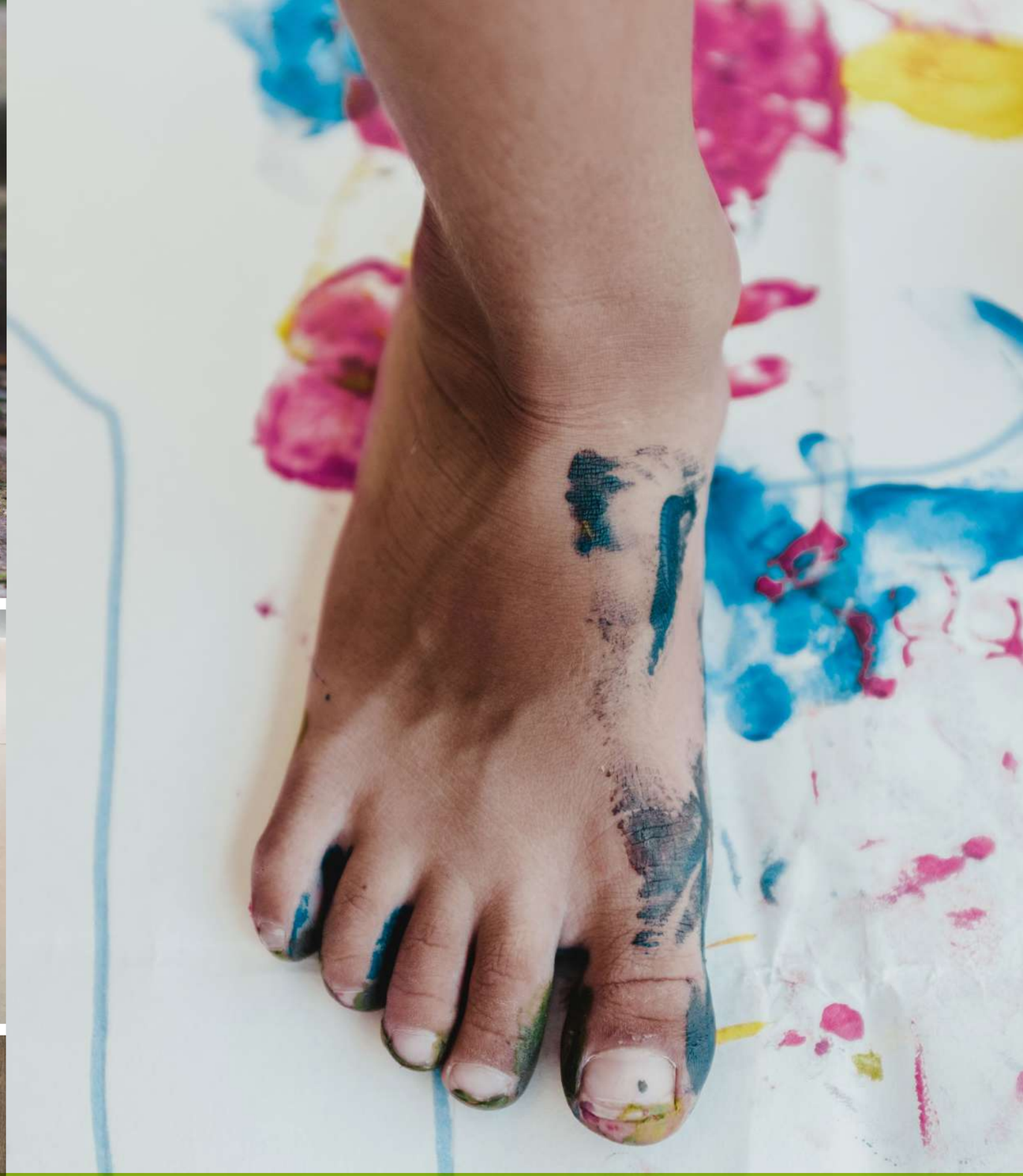


LOWER LIMB BRACES

CLUBFOOT

A clubfoot is a congenital defect in which certain parts of the foot (tarsus, midfoot and forefoot) are deformed in all three planes.

SNAKE SYSTEM

is a series of braces intended for correction of congenital defects of the forefoot, tarsal and ankle joint.

It includes various braces constructions for children of different ages, in different treatment stage and advancement of changes degree.

Among the many methods of treatment used the most common is compiled in the USA by Ignacio V. Ponseti.

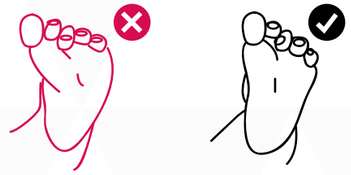
It is a method of inoperable treatment of congenital clubfoot, which consists of several stages.

1. The introductory stage involves a series of: redressive exercises that lead to stretching of contracted tissues and gypsum dressings applied to consolidate the correction obtained by exercises.
2. Achilles tendon cut in the Ponseti technique.
3. Fixation of the obtained correction with the use of braces, scales and derotation rails.
4. Surgical treatment in the event of treatment failure with the above ways.

4 DETERMINANTS OF CLUBFOOT

EXCESSIVE HOLLOWING OF THE FOOT ARCH

Makes the foot difficult for an even support and its correct shifting. The forefoot is overloaded.

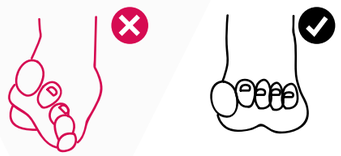


ABDUCTION OF THE FOREFOOT

The front of the foot bends towards the big toe. Shortened tendons and ligaments cause that the foot looks curled up, and the front part of it with the fingers points to the midline of the body.

CLUBFOOT

The foot positions itself in plantar flexion, forcing for tiptoeing. This movement occurs naturally but in clubfoot, the foot is fixed in that position.



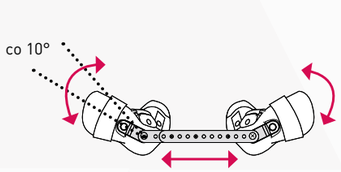
VARUS IN THE HEEL

The calcaneal tuber is inverted or twisted, making the child it rests on the ground only with the outer part of the foot.

ERH 49/6

APPLICATION
/ Turned in feet.
/ Calcaneal valgus feet.
/ Torsion deformities of the lower limbs.

The Denis Brown rail consists of a stay and dedicated foot brace. The stay allows you to adjust the width of the rail and external rotation, abduction of the feet. Dorsiflexion of the feet is carried out through dedicated braces with 10° inclination of the shin.



RAIL

The connection of the brace with the rail allows alternating the rotation for the R and L sides every 10° and changing the width of the brace, adjusting to the patient's dimensions.

+ STARTER

It is intended for the youngest patients. It has a permanent abduction of the forefoot and slight dorsiflexion of the feet. Its purpose is to maintain the range of motion obtained in the course of treatment with corrective casts.

+ REGULAR

It is intended for elderly patients. Enables the use of adjustable joints, allowing for gradual change of the ankle joint and forefoot positioning.

CE

MODEL	SIZE	S	M	L
STARTER foot brace ** possible to make within size*	FOOT LENGTH IN CM	(8*) 9-11 (12*)	(10*) 11-13	(12*) 13-15
REGULAR foot brace	FOOT LENGTH IN CM	12-14	14-16	16-18
RAIL WIDTH MIN-MAX (cm)	for STARTER	17-27		
	for REGULAR	28-36		

In case there is no suitable size in the size table use an individual measurement card.

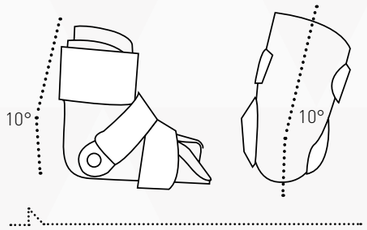
ERH 49/5.STARTER

An brace for immobilizing and correcting of the foot and ankle joint

It is intended for the youngest patients right after the end of the treatment stage with plaster casts. It is designed to maintain the movement scope, mainly dorsiflexion of the foot and abduction of the forefoot obtained during treatment with corrective casts.

APPLICATION
- / Turned in feet.
- / Adjacent forefoot.
- / Congenital foot deformities.
- / Congenital Varus of the Metatarsus.
- / Varus in the heel.

FUNCTION
- / Brace with static, resting operation.
- / Corrects the adduction position of the forefoot, heel bone supination and ankle joint dorsiflexion deficit.
- / The brace is available in STARTER and REGULAR versions.



CORRECTION OF ANKLE JOINT AND FOREFOOT POSITIONING

The brace is set in hypercorrection.
It has a permanent forefoot abduction.
The ankle joint is immobilized in position of a slight dorsiflexion.

SIZE	S	M	L
FOOT LENGTH (CM) ** possible to make within size*	(8*) 9-11 (12*)	(10*) 11-13	(12*) 13-15
LEFT OR RIGHT FOOT VERSION			
In case there is no suitable size in the size table use an individual measurement card.			

APPLICATION
- / Turned in feet.
- / Adjacent forefoot.
- / Congenital foot deformities.
- / Congenital Varus of the Metatarsus.
- / Varus in the heel.

FUNCTION
- / Brace with static, resting operation.
- / Corrects the adduction position of the forefoot, heel bone supination and ankle joint dorsiflexion deficit.
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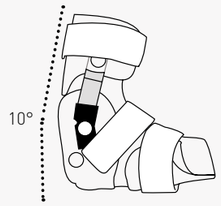


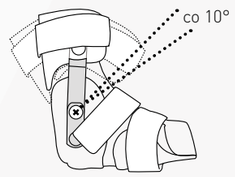
CORRECTION OF THE ANKLE JOINT

The hinge enables immobilization in the joint from full plantar flexion of feet to full dorsiflexion of feet in any position every 10°. It is intended for patients with a extension deficit in the ankle joint. It allows a gradual adaptation of the brace to the obtained range of dorsiflexion of the foot.

ERH 49/5.REGULAR

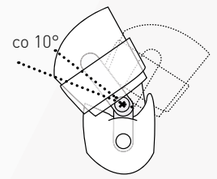
An brace for immobilizing and correcting of the foot and ankle joint

It is intended for elderly patients who occurred a recurrence of the disease or after early treatment with corrective casts and no expected ranges of motion in the ankle joint or forefoot were obtained. This version of the brace allows the use of adjustable joints, allowing the gradual change of the position of the ankle and forefoot joint.



CORRECTION OF THE ANKLE JOINT

The hinge enables immobilization in the joint from full plantar flexion of feet to full dorsiflexion of feet in any position every 10°. It is intended for patients with a extension deficit in the ankle joint. It allows a gradual adaptation of the brace to the obtained range of dorsiflexion of the foot.



FOREFOOT POSITIONING CORRECTION

Hinge with a multi-wedge mechanism, allows for a gradual abduction of the forefoot every 10°.

SIZE	S	M	L
FOOT LENGTH (CM)	12-14	14-16	16-18
LEFT OR RIGHT FOOT VERSION			
In case there is no suitable size in the size table use an individual measurement card.			

DAFO.CLASSIC

It enables the correction of the joint in the frontal plane, simultaneously without limitation to the free flexion and extension of the foot. Intended for younger patients with significant lesions.

APPLICATION

/ Valgus due to decreased muscle tone.
/ Joint instability due to muscle weakness
/ Reduced muscle tone causes excessive pronation of the feet.

Correction of valgus calcaneus bone position, navicular bone support and stabilization of the remaining tarsal and midfoot bones enable recovery of correct anatomical conditions of the feet and of functional movement in the joint.

CE

PERFORMED INDIVIDUALLY

Use an individual measurement card

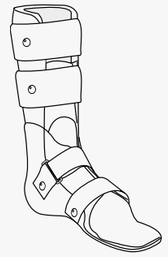
PROSTARTER

DAFO.CLASSIC | AFO.EXTRA LONG

The AFO/DAFO series of braces is designed to be a preliminary, fast and economical solution for patients with strictly defined needs.

APPLICATION

/ Cerebral palsy,
/ Meningomyelocele.
/ Poliomyelitis
/ Post-traumatic brain injury
/ Fractures and their complications
/ Orthopaedic injuries of various etiologies
/ Condition after orthopaedic correction



PROSTARTER AFO.EXTRA LONG

/ It immobilizes the ankle joint in an intermediate position. Block PF, Block DF.
/ **Used as a resting or night care.**
/ In recovery after orthopaedic procedures,
/ Consolidating the effects of therapy
/ Positioning and ankle deformation prevention and feet injuries

PROSTARTER DAFO.CLASSIC

/ Does not restrict the free movement of flexion and extension in the ankle joint.
/ Corrects the position of the ankle joint and foot in the frontal plane.
/ **Used as an aid to gait aimed at correction**
/ Varus or valgus due to decreased muscle tone
/ Forefoot adduction,
/ Ankle joint instability,

PERFORMED AS STANDARD

9 SIZES / LEFT OR RIGHT FOOT VERSION

CE

AFO.CLASSIC
AFO.EXTRA LONG

AFO.CLASSIC

A solution for the youngest patients. It allows you to stabilize the ankle joint in the frontal plane and immobilization in an intermediate position.

AFO.NIGHT

/ Healing after orthopaedic procedures,
/ Positioning after ankle joint and feet injuries
/ Prevention of deformities

AFO.EXTRA LONG

Rest or night supplies

/ For seated, wheelchair patients, as prevention of distortions and deformations,
/ Persistent effects of orthopaedic and surgical interventions,
/ Stabilizing and immobilizing during verticalization.

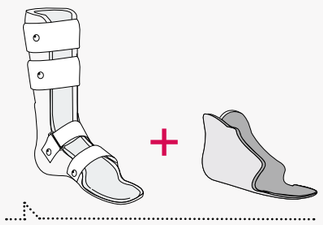
Dynamic supplies

/ For patients who walk with a predominance of plantar foot flexion and toe walking.
/ With increased muscle tone, spasticity.

APPLICATION

/ For patients who need help in managing the position of knees flexion and / or straightening.
/ Mild knee hyperextension
/ Toe walking
/ Insufficient stabilization in both the sagittal and frontal plane.
/ Excessive plantar flexion or dorsiflexion.

The braces immobilize the ankle joint in an intermediate position. Block PF, Block DF.



They consist of two layers:
The inner layer allows for correction of heel and metatarsal settings.

The outer layer has a diversified elasticity and provides immobilization and proper stabilization during verticalization or walking.

Flexible element assists the dorsiflexion of the foot with plantar flexion limitation.

DAFO.DYNAMIC

FLEX | EXTRA FLEX

Intended mainly for walking patients. It stabilizes the foot and the ankle joint without blocking all movement, increases rebound dynamics and engthens the stride. Designed for demanding patients greater dynamics than with the AFO. It comes in highly stiff FLEX version ensuring greater control in the sagittal plane and more flexible EXTRA FLEX version with moderate force control of the foot position.

CE

PERFORMED INDIVIDUALLY

Use an individual measurement card

CE

PERFORMED INDIVIDUALLY

Use an individual measurement card

DAFO.NIGHT

It is intended for patients with limited range of motion of muscular origin. Its purpose is to increase or maintaining the range of dorsiflexion with precise control of the ankle joint and foot. Use only as a resting supply.

APPLICATION

/ Excessive plantar flexion,
/ Achilles tendon contracture preventing verticalization
/ Weakened dorsiflexion of the foot due to paralysis or flaccid paresis.
/ Supports the effects of manual and pharmacological therapy.

FULL MOVE

The brace is equipped with hinges allowing full, unlimited movement plantar and dorsal flexion.

DAFO.NIGHT

Dorsiflexion range and the plantar of the foot control is held through the length adjustment of elastic bands.

DAFO.ACTIVE

PLANTAR FLEXION BLOCK | FULL MOVE

APPLICATION

/ Dorsiflexion of the foot and metatarsals is weakened without the knee instability (version with limited foot plantarflexion).
/ Increased muscle tension causes considerable axis disturbances of the joint, metatarsus and forefoot during walking (version without restriction of dorsiflexion and plantarflexion of the foot).
/ Excessive plantarflexion causes toe walking with a well-developed ability to walk. (version with limited plantarflexion of the foot).

DAFO.ACTIVE

2 VERSIONS OF HINGES

Movable joints are come in versions allowing for full movement of flexion and extension, or limiting plantarflexion.

PLANTAR FLEXION BLOCK (PFB)

FULL MOVE (FM)

CE

PERFORMED INDIVIDUALLY

Use an individual measurement card

APPLICATION

POSITIONING

/ Immobilization of the ankle joint in any position starting from the plantar flexion of the foot (deficit of foot extension, lack of indirect position, Achilles tendon contracture) to dorsiflexion of the feet.
/ The solution is intended for mainly sedentary or lying patients. It allows verticalization and prevents the formation of deformation as a result of increased muscle tension or spasticity.

REDRESSION

/ Allows for gradual adjustment of the settings of the brace to the possibilities of the patient, changes obtained as a result of manual or pharmacological therapy (botulinum therapy) or orthopaedic interventions.

WALK

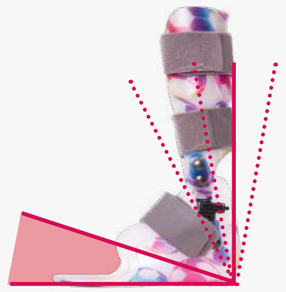
/ Limits plantar flexion leaving full, unlimited range of dorsiflexion.
/ Changes the foot position in relation to the shin so as to correct the knee hyperextension.

DAFO.ACTIVE MINI

SINGLE | DOUBLE

The brace enables smooth control of the inclination of the shin towards the foot. It supports the effects of manual and pharmacological therapy. Adjustable hinges allow for a smooth adjustment of the plantar flexion and dorsal foot range. Designed to be used both as supplies for rest and while walking.

2 VERSIONS OF HINGES



MINI SINGLE

enables smooth plantar flexion adjustment PFB and free rest dorsiflexion movement.

MINI DOUBLE

enables the adjustment of the movement range of both flexion and straightening.

Control of the extent of flexion and extension of the foot is done by adjusting the hinge of the ankle joint.

CE

PERFORMED INDIVIDUALLY

Use an individual measurement card

Universal stabilizing and immobilizing brace

with adjustable flexion and extension

ERH 35.UNIVERSAL

Universal stabilizing and immobilizing brace with adjustable flexion and extension. Versatile brace provides medial / lateral support for the elbow joint or knee joint. Movable side hinges allow adjustment of the range of flexion and extension movement.

APPLICATION

/ Dislocations and sprains of the knee joint
/ Joint instability
/ Damage to the ligaments of the knee joint
/ Condition after surgical procedures requiring immobilization in a specific position with a gradual increase in the range of motion.

The brace is made of Velcro material that allows you to adjust its circuit both at the front and at the rear. This allows for individual customization of the circuit of the brace to the dimensions of the limb.

Changing the length of the cross-knee straps, increases the corrective effect of the brace.

The brace is equipped with 2 aluminium side rails with hinges allowing for adjustment in the range of motion every 30° or immobilization in full extension.

ORTHO

SIZE	S	M	L
KNEE CIRCUIT	16-22	19-26	23-31
TOTAL LENGTH OF THE BRACE	22	24	28

UNIVERSAL VERSION FOR RIGHT AND LEFT KNEE

Children's brace correcting the hyperextension of the knee joint

ERH 35/2 .ANTIHYPEREXTENSION

Children's brace correcting the hyperextension of the knee joint. The brace is intended for patients with gait disorders running with hyperextension of the knee joint. The severity of the dysfunction in light and medium degrees.

APPLICATION

/ Knee hyperextension of neurological origin.
/ Collateral instability of the knee joint with hyperextension in the joint.

Side rails are made of very thin and flexible hardened steel with movable hinge in the joint.

The brace is made in the open form - this allows for adjustment of the circuit and easy and fast way of putting it on and taking it off.

CE

SIZE	S	M	L
KNEE CIRCUIT	23-26	26-29	29-33
TOTAL LENGTH OF THE BRACE	23	25	28

UNIVERSAL VERSION FOR RIGHT AND LEFT KNEE

Tibia and thigh apparttus redressing the knee joint

ERH 52/1 .NEUROEXTENSE

DYNAMIC EXTENSE | MANUAL EXTENSE

Brace with extension action at the knee joint. According to the hinges used, it allows for dynamic or manual increasing the range of the extension of the joint.

APPLICATION

Spasticity or contracture of the muscles that flexion the knee joint.
/ Traumatic brain injury
/ CP
/ Meningomyelocele.
/ Complications after fractures

FUNCTION

/ Stabilizes the knee joint.
/ Affects the extension of the knee joint.
/ Allows you to restore or maintain the correct length of the knee flexion muscles.

NEUROextense

Openwork construction reduces weight, risk of abrasions and pressure ulcers. Metal components in contact with the body are lined and trimmed with soft terry cloth.

DYNAMIC EXTENSE
Extense is equipped with a pneumatic extension mechanism with extension resulting in continuous stretching motion (extension) of contracted muscles. The strength of the extension mechanism is selected individually.

DYNAMIC EXTENSE
hinge allows you to define the range of motion in which the extension work is to take place. It allows also flexion of the joint during its work.

MANUAL EXTENSE
Adjusting the angle of flexion or extension of the joint takes place by turning the worm mechanism directly on the hinge. The Brace allows at rehabilitation progress for gradual increasing of the extension.

CE

		SIZE	XS	S	M	L	XL
LENGTH	A	GROIN KNEE JOINT	15	18	21	24	27
	B	KNEE JOINT - ANKLE JOINT	15	20	30	35	38
	D	TOTAL	30	38	51	59	65
CIRCUIT	E	IN THE OUTERMOST PART OF THE FEMAL	34	40	46	52	58
	F	AT BELLY HEIGHT OF THE TRICEPS MUSCLE	24	28	32	36	40
	G	ABOUT 10 CM ABOVE ANKLE JOINT	20	21	22	23	24

In case there is no suitable size in the size table use an individual measurement card.

ERH 67.NEURO

A splint-strap apparatus for the entire lower limb with a sandal

Intended for patients with dysfunctions in the lower limb mainly of a neurological basis. Depending on individual needs it comes with various accessories. Enables self-verticalization, stabilization training and locomotion.

APPLICATION
/ Paresis and paralysis of the knee and foot extensor muscles.
/ Joint instability.
/ Spinal cord injuries.
/ Meningomyelocele.
/ CP
/ Heine-Medin disease.

FUNCTION
/ It stabilizes the entire lower limb.
/ Lets you straighten or limit themovement scope.

KNEE HINGES

1 STEP LOCK

One-step hinge with self-locking bolt after obtaining the straightening. Allows for quick release of the straightening lock and transition to the sitting position.

STAND **WALK**

2 STEPS LOCK

Dual-purpose hinge enabling alternating work in two modes.

STAND
It immobilizes the joint after full extension. It allows a quick release of the lock and transition to the sitting position.

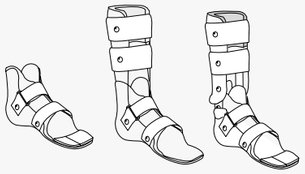
WALK
It leaves free movement in the joint in the range from full straightening to 30° flexion in the joint. The bolt lock is released from 30°. Switch between STAND and WALK modes is done by turning the lock without the need for additional tools.

1R/15°

Designed for trauma patients and with mainly orthopedic complications. It enables immobilization or restriction of the range of motion of the joint every 15°.

String system with a handle at hand height allows a convenient and efficient way of the joint blockage release.

The foot part is available in low BASIC or high from the AFO/DAFO series. Possibility of an easy height adjustment or of the foot part disassembly.



BASIC **AFO** **DAFO**

CE

In order to clarify the size, use the individual measurement card.

ERH 43/2.ORTHO

Modular apparatus for the entire lower limb with a sandal

Modular apparatus for the entire lower limb with a sandal. It is intended for patients with dysfunctions and complications within lower limbs, mainly orthopaedic ones. As a result of which it occurs the need to immobilize the joint in a certain position and gradually increasing his range of motion.

APPLICATION
/ Healing after removing a conventional plaster cast.
/ Condition after fractures.
/ Pseudo-joint.
/ Ligament injuries.
/ Joint instability.

FUNCTION
/ Stabilizes and relieves the knee joint or the entire limb together with the foot.
/ Lets you straighten or limit the flexion and extension movement.

The 1R / 15 ° joint allows immobilization or limitation of the movement scope in the joint every 15°.

Movable swivel of the joint is available in the following version:
- keeping only movement of dorsiflexion
- with full range of dorsiflexion and plantar foot movement
- without the possibility of movement.

Length adjustable rails and disassembly of the foot part.

Standard knee joint pelot supports getting a full extension in the joint.

The foot part is available in the following version:
BASIC - low to the ankle joint height
AFO/DAFO - high, covering the shin and foot.

CE

SIZE	XXS	XS	S	M	L	XL
TOTAL LENGTH	39	47	55	64	72	80
GROIN - KNEE JOINT	14	17	20	24	27	30
KNEE - EXTERNAL FOOT EDGE JOINT	25	30	35	40	45	50
FOOT LENGTH	12	15	18	21	23	25

In case there is no suitable size in the size table use an individual measurement card.

Stabilizing and abducting apparatus for the hip joint

with adjustable flexion and extension

ERH 66/2.STEP TO

FLEX | STIFF

The brace stabilizes the hip joint in a sitting, lying and walking position. The brace is intended for patients with increased or spasticitywork of the adductors of the hip joint that causes the clasp-knife gait and, secondarily, it can lead to a subluxation or a dislocation of the joint.

APPLICATION

/ Spastic diplegia
/ Spastic quadriplegia
/ Subluxation / Hip dislocation
/ Healing after orthopedic procedures in the area of joints.
/ Perthes disease

FUNCTION

/ Prevents limbs from crossing while walking.
/ Allows you to maintain the correct length of the limb adductors, without contracting them.
/ Allows alternating physiological movement of the limbs during walking.

ABDUCTION FLEXIBILITY AT THE HIP JOINT

STIFF

It is intended for patients with a subluxation or dislocation in the hip joint or for patients with whom it is necessary to absolutely maintain a certain angle of abduction. Stay angles regulating the angle of abduction and structural elements of the brace are made of rigid metal and plastic guaranteeing constant, unchanging abduction.

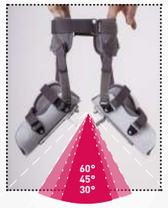
FLEX

It is intended for walking patients who have clasp-knife gait, adduction gait. The stays and the structure of the brace are made of very thin and flexible steel which makes adduction movement possible while maintaining continuous work towards the set abduction value.

THE EXTENT OF THE ABDUCTION IN THE HIP JOINT

STANDARD

Provides constant abduction of the hip joint in the range of 30° with flexion and extension adjustment.



MINI MAX

It allows you to change the abduction angle of the hip joint in the range of 30°/45°/60°

In both versions of the brace, flexion and extension movement in the hip joint is preserved.

SIZE	XXS	XS	S	M	L	XL
LENGTH OF THE BRACE IN MIDDLE THIGH PART (GROIN-KNEE JOINT)	10-12	11-15	15-20	19-24	23-27	26-30
THIGH CIRCUIT ABOVE THE KNEE JOINT	21	24	24-27	27-33	33-36	36-42

In order to clarify the size, use the individual measurement card.

CE

Hip brace/apparatus

APPLICATION

/ Improperly developed acetabulum or femoral head by newborns.
/ Functional treatment of congenital hip dysplasia.

FUNCTION

/ Ensures positioning of the lower limbs in 90° flexion and free abduction angle in hip joints.

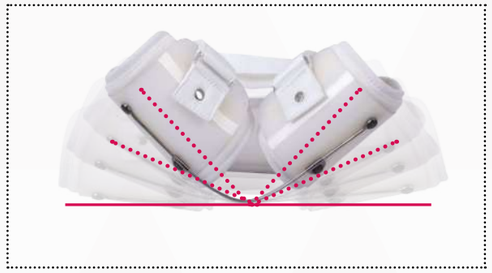
ERH 68.HIPPI

Orthosis for the treatment of hip dysplasia

The brace is intended for children with a congenital or acquired sprain and hip dysplasia. It ensures the position of the lower limbs in 90° flexion and free abduction angle in the hip joints.

The brace is finished with a natural, soft frotte cloth with easy unfastening option to maintain hygiene.

It ensures the positioning of lower limbs in flexion and abduction in the hip joints.



It enables smooth adjustment of the angle of flexion and limb abduction in the hip joints by individually shaping the brace.

CE

SIZE	S	M	L
BRACE WIDTH (DISTANCE BETWEEN KNEE PITS)	20	25	30
AGE (MONTHS)	1-2	3-6	7-12

UPPER LIMB BRACES

ERH 38/3A
ERH 38/3B

Thumb abduction brace

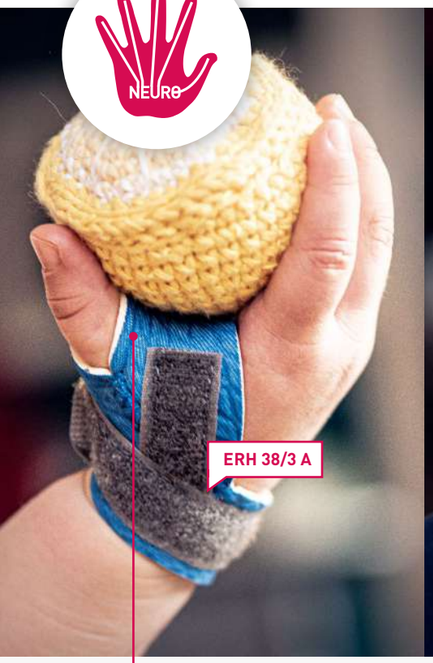
A series of braces for children suffering from neurological problems with functional alignment of wrist and thumb.

APPLICATION

Increased muscle tension causing flexion and adduction of thumb positioning.

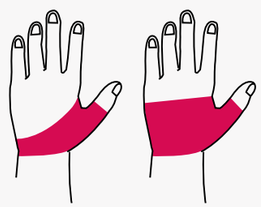
FUNCTION

The correct positioning of the wrist and thumb gradually restores hand functionality and counteracts negative consequences resulting from the wrong position.



The brace does not have any additional stiffeners. Flexible material exerting compression on the withers of the thumb and thumb supports stabilization and corrects adductive setting.

Abducts the withers of the thumb and thumb. Partially stabilizes the wrist joint in the optimal position.



SIZE	XS	S	M	L
METACARPUS CIRCUIT	DO 10	10-12	12-14	14-16

RIGHT OR LEFT HAND VERSION

In case there is no suitable size in the size table use an individual measurement card.

ERH 38/4A
ERH 38/4B

Wrist and thumb brace

A series of braces for children suffering from neurological problems with functional alignment of wrist and thumb.

APPLICATION

Increased muscle tension causing flexion and adduction positioning the wrist and thumb.

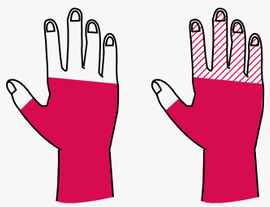
FUNCTION

The correct positioning of the wrist and thumb gradually restores hand functionality and counteracts negative consequences resulting from the wrong position.

Stabilization of the wrist joint is obtained by contoured orthopaedic stalks with the option of individual formation.

Additional finger space, enables their extension while maintaining the gripping function.

Stabilization of the wrist joint is obtained by contoured orthopaedic stalks with the option of individual formation.



SIZE	S	M	L
METACARPUS CIRCUIT	DO 12	12-14	14-16

RIGHT OR LEFT HAND VERSION

In case there is no suitable size in the size table use an individual measurement card.

ERH 47/1.CLASSIC
ERH 47/1.HYBRID

A rail for the hand and forearm and the abducted thumb

The brace covers the forearm, wrist and hand. Classic version is intended mainly for patients with orthopaedic injuries, and the Hybrid version - with neurological injuries.

APPLICATION

/ Increased muscle tone of the wrist joint flexors
/ Stabilization after orthopaedic injuries (fractures, cracks)
/ Paralysis and flaccid and spastic paresis

FUNCTION

/ Corrects the positioning and immobilizes the wrist joint, metacarpus and fingers in optimal position.
/ Prevents wrist flexion position and its ulnarization.
/ Additional thumb space allows it to be extended and held in the optimal position.

SIZE	1	2	3	4	5
WRIST-FINGER LENGTH IN CM	10	12	14	15	16
TOTAL LENGTH IN CM	16	20	23	25	28

In case there is no suitable size in the size table use an individual measurement card.

ERH 47/2.CLASSIC
ERH 47/2.HYBRID

Wrist rail with abduction for the thumb

The brace covers the forearm, wrist joint and hand. Classic version is intended mainly for patients with orthopaedic injuries, and the Hybrid version - with neurological injuries.

APPLICATION

/ Increased muscle tone of the wrist joint flexors
/ Stabilization after orthopaedic injuries (fractures and dislocations)

FUNCTION

/ Stabilizes the wrist joint in slight dorsiflexion with the possibility of thumb abduction.
/ Prevents wrist flexion position and its ulnarization.

SIZE	1	2	3	4	5
WRIST-SRODRECZE LENGTH IN CM	4,5	5,5	6	6,5	7
TOTAL LENGTH IN CM	11,5	13,5	15	16,5	18

In case there is no suitable size in the size table use an individual measurement card.

ERH 42/3.SPLINT

It stabilizes and immobilizes the elbow joint in extension. It is an alternative for conventional plaster casts in the event of injuries and orthopaedic procedures or enables full extension during exercises in supports and low positions.

APPLICATION

/ Increased muscle tone / flexor joint spasticity
/ Condition after surgical procedures requiring immobilization in straightening

FUNCTION

/ Fixing the elbow in extension prevents it contractures
/ Provides an alternative to conventional plaster cast in the event of injuries and orthopaedic procedures

The fastening straps are adjustable and precise fit.

For optimal fit side and rear stiffeners can be individually formed.

ROZMIAR	S	M	L
APPARATUS LENGTH IN CM	18	24	30
ARM CIRCUIT UNIVERSAL IN THE RANGE IN CM	16-26	16-26	16-26
UNIVERSAL VERSION FOR THE RIGHT OR LEFT ELBOW JOINT			

ERH 42.STIFF

Elbow joint brace

MANUAL EXTENSE

It is intended for patients with limited range of motion in the elbow joint requiring immobilization in a certain position and gradually increasing of the motion range.

APPLICATION

/ Post-traumatic limitations in the elbow joint requiring redression.
/ Fracture and injuries requiring immobilization in a certain position.
/ Increased muscle tone, flexor joint spasticity making it impossible to get extension in the joint
/ Joint instability

FUNCTION

/ Stabilizes and immobilizes the elbow joint in the desired position.
/ Counteracts limitations of the range of motion in the joint.

The brace enables redression in the joint or immobilization of limbs in any position. Rigid bows on the dorsal side of limbs ensure the stability of the brace and increase efficiency in terms of maintaining the expected extension of the joint.

Adjusting the angle of flexion or extension of the joint takes place by turninG the worm mechanism directly on the hinge. The brace allows at rehabilitation progress for gradual increase of the extension, without additional movement.

The brace is equipped with two very thin stabilizing side rails and hinges enabling a smooth, gradual change of angle.

Soft tightening straps ensure an anatomical fit.

SIZE	1	2	3
ARM CIRCUIT IN CM	UP TO 18	UP TO 22	UP TO 25
CIRCUIT OF 5 CM ABOVE WRIST	UP TO 12	UP TO 16	UP TO 18
ARM RAIL LENGTH IN CM	8	11	11
FOREARM RAIL LENGTH IN CM	11	14	18
UNIVERSAL VERSION FOR THE RIGHT OR LEFT ELBOW JOINT			

In case there is no suitable size in the size table use an individual measurement card.

TRUNK BRACES

Trunk corset brace

ERH 48/3
.STRONG STIFF

Children's thoracic-lumbar-sacral corset for children

It stabilizes the pelvis and torso of patients with neurogenic scoliosis. It is intended for use during verticalization, sitting and locomotion in a wheelchair or car. Especially recommended for patients with large weight and deformation.

APPLICATION

Reduced muscle tone, paralysis and paresis obstructing maintaining the correct sitting position and secondarily guiding for lateral curvatures of the spine in the course of:

/ muscular dystrophy,
/ Meningomyelocele.
/ CP
/ Paralytic scoliosis.

FUNCTION

/ Improved stability in the seat and verticalization, which allows for better head control and greater functionality of the upper limbs.
/ Increase of respiratory function in corrected sitting position.
/ Enables stabilization of the pelvis and torso.

The purpose of using the ERH 48/3 STRONG STIFF corset is:

/ Counteracting deformation of the osteoarticular system
/ Cooperation in the normalization of muscle tone
/ Ensuring verticalization
/ Facilitating/enabling locomotion
/ Improving posture in extension and sitting
/ Facilitating/enabling the performance of everyday activities
/ Consolidation of achieved therapeutic progress

scolio

The brace consists of two parts, which in certain situations enable using them independently or in full.

1

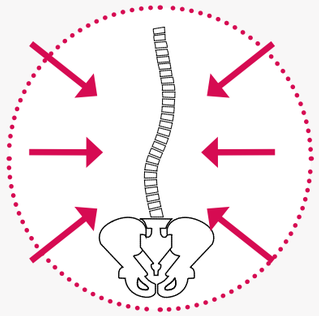
THE INNER PART IS RELIEVING AND STABILIZING

/ Made of flexible material with metal stiffeners helping to maintain proper position.

/ Compression function of the material combined with additional stabilization elements is intended to increase abdominal pressure reducing thus the load weight on the sensitive structures of the spine as vertebrae and joints.

/ Reducing the load on these structures the corset is designed to reduce positional asymmetries and relieve back pain and muscle tension.

/ Internal part is intended mainly for use while lying down or in a seating position with an additional support for the back. Patients with less advanced scoliosis.



STABILIZATION AND RELIEF

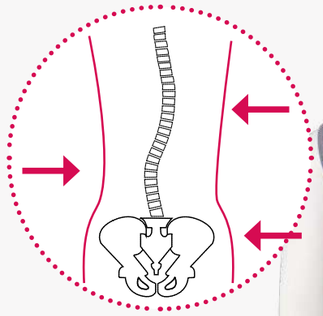
Use an individual measurement card

2

OUTER PART CORRECTIVE AND IMMOBILIZING

/ Made of plastics. Put on directly on the internal part. It consists of two anatomically contoured halves covering the pelvis and the trunk mainly in the side and back part.

/ The outer part is used only with a pre-fitted internal part.



CORRECTION AND IMMOBILIZATION

CE

Trunk corset brace

ERH 48/3
.MEDIUM STIFF

Thoracic-lumbar-sacral corset for children

Semi-rigid brace with extension function. It enables stabilization and correcting the position of the torso relative to the pelvis mainly in the frontal plane. It prevents lateral curvatures of the spine. Used with flabbiness and easily removable curves.

APPLICATION

Reduced muscle tone, paralysis and flaccid paresis making it difficult to maintain a proper sitting position, and secondarily leading to lateral curvatures of the spine in the course of:

/ Cerebral palsy,
/ Muscular dystrophy,
/ Meningomyelocele.

FUNCTION

/ Improved stability in the seat and verticalization, which allows for better head control and greater functionality of the upper limbs
/ Prevents lateral curvatures of the spine.

The corset is made of elastic material with metal supporting stiffeners maintaining the correct position and relieving the spine.

Compression properties of the material combined with additional stabilization with elements increase the pressure in the abdomen, relieving the sensitive structures of the spine as vertebrae and joints. This leads to a reduction in positional asymmetry and relieves back pain and (reduces) muscle tension.

THE PURPOSE OF USING THE CORSET IS:

/ Counteracting deformation of the osteoarticular system,
/ Cooperation in the normalization of muscle tone.
/ Facilitating/enabling verticalization and locomotion,
/ Improving posture in extension and sitting

ROZMIAR	S	M	L	XL
WAIST CIRCUIT IN CM	40-50	45-60	55-70	65-80
CORSET HIGHT IN SIDE LINE IN CM	15	20	25	30
CORSET HEIGHT OPTION IS AVAILABLE FOR EACH CIRCUIT SIZE				
In case there is no suitable size in the size table use an individual measurement card.				

Kangaroo dynamic posture stabilizer

KANGAROO

The brace aims to improve the static and dynamic conditions within the torso and the entire figure. It is made of flexible material and individually selected relieving and stabilizing elements.

APPLICATION

/ Neurophysiological disorders (CP, developmental, psychomotor delay).
/ Spina bifida.
/ Muscular dystrophies.
/ Down syndrome,
/ Sensory integration disorders coursing with a sharp loss of balance and gravity uncertainty.

FUNCTION

/ Stabilizes the torso and pelvis.
/ Corrects excessive anterior or posterior pelvic tilt.
/ Shoulder protraction and retraction.
/ Facilitates the elongation of the spine.
/ Supports shaping and development of correct reflex posture mechanism.
/ Enables and facilitates the development of equivalent reactions and defensive prop up.
/ Facilitates the correction of posture defects in children with intermediate states of postural hypotony.
/ Supports the development of sensorimotor integration.

NEW VERSION - REGULAR

KANGAROO

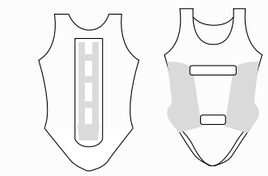
BASIC
intended for the youngest patients, showing activity in lying and low positions. Grovel, crawling on all fours, trying to sit down.

EASY
two-part construction allows a convenient way of its putting on within patients with high instability problems, often lying. Intended mainly to improve stabilization in the seating position or during verticalization.

ZIP-ZAP
with central zipper allows for easy and quick putting on and taking off the brace. The zip in the croch facilitates daily toilet activities

PANTS
with legs and a central zipper for walking patients. The brace covers the entire pelvisand thigh and supports the work of gluteus muscles thus their positioning.

RELIEF



STABILIZATION

The Kangaroo brace is made on a measures base. Depending on individual indications it comes in a different body form to which stabilizing or correcting elements are attached.

These elements take the form of elastic bands, dorsal frames or anatomically contoured pelots, which, depending on the form, may support extension or flexion action of the torso, back or pelvic anterior tilt.

PERFORMED INDIVIDUALLY

Use an individual measurement card

ERH 69

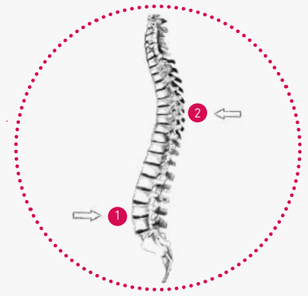
Children's high semi-rigid belt with submaxillary pads

ORTHO

APPLICATION
/ Scheuermann's disease
/ Excessive deepening of the spine curves.
/ Incomplete stabilization of the torso and pelvis.

FUNCTION
/ Extension brace working mainly in the sagittal plane.
/ Stabilizes and relieves the thoracic-lumbosacral section of the spine.
/ Corrects the position of the shoulder girdle and deepened thoracic kyphosis.

Belt with extension action mainly in the sagittal plane. The dorsal part has adjustable height and of the force of tilting the shoulders backwards. Reinforcements in this part assist stabilization and posture correction. Lumbar part is reinforced with two metal fins.



CE

SIZE	S	M	L
HIP CIRCUIT	40–50	50–60	60–70
BACK LENGTH	25–30	30–35	35–40

ERH 63.JEWETTA

The Jewett corset

Corset with verticalization, immobilizing function in three planes with the possibility of additional stabilization of the cervical section.

ORTHO

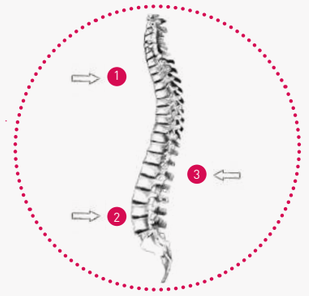
APPLICATION
/ Pathological vertebral fractures.
/ Fractures of joint processes and bodies.
/ Postoperative healing.

FUNCTION
/ Three-plane spine stabilization in the range of Th6-L5 or C3-L5.

Width and hight adjustment of the corset allows optimal fit.

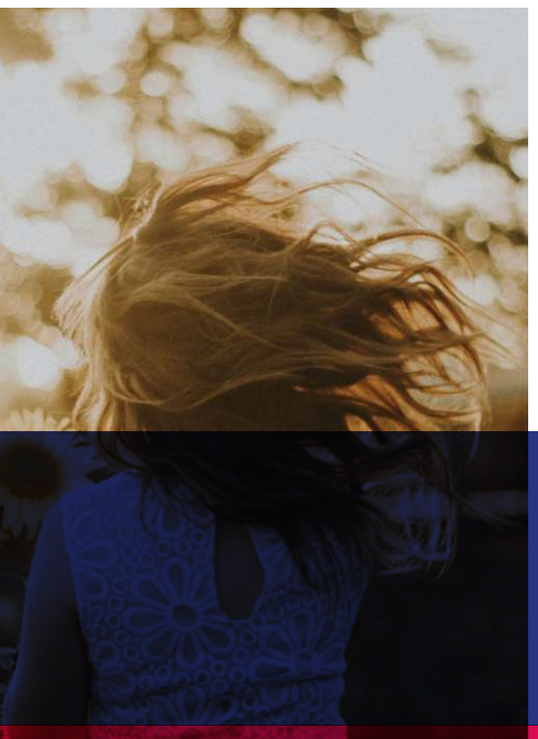
The thin and light corset frame allows an individual fitting by bending.

VERSION WITH A DIADEM CTLSO
With an additional cervical section stabilization option.



CE

SIZE	XS	S
HIP CIRCUIT	50-70	60-80
HEIGHT ADJUSTMENT BETWEEN THE THORACIC AND THE PUBIC PELOT	30-38	37-45



MOBILITY STANDING WALK

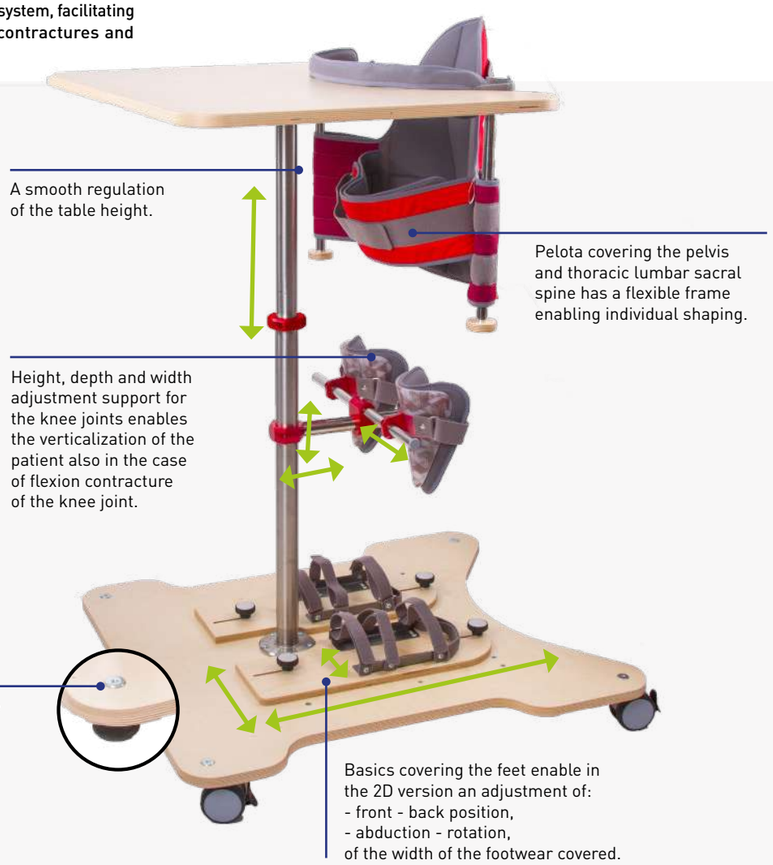
ERH 90.COMPLETE

2D 3D

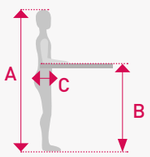
ERH 90.COMPLETE enables verticalization without additional devices. It is intended for children and adolescents with neurological diseases who do not obtain verticalization on their own, but require an upright position.

The ERH 90 standing frame enables vertical mobility, it will have a positive effect for drainage of the urinary tract and the circulatory system, facilitating the processes of digestion. It will also help reduce contractures and prevent pressure ulcers.

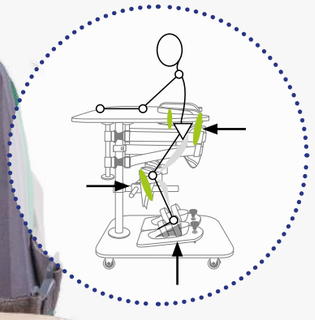
APPLICATION
/ CP
/ Meningomyelocele.
/ Genetic syndromes with limb paresis
/ Craniocerebral injuries
/ Demyelinating diseases



SIZE	S	M	L
A - INDICATIVE HEIGHT OF THE USER IN CM	60-105	82-150	97-180
B - TABLE HEIGHT IN CM MIN-MAX.. *(min = distance from the ground to the bent elbow)*	40-70	55-100	65-120
PELOT SIZE TLS	**S**	**M**	**L**
C - HIP CIRCUIT	57-75	65-88	78-110



Optional, multi-plane adjustable tablet holder.



HKAFO brace covers the hip girdle, thighs, shins and feet

HKAFO.NEURO

NEURO VERSION uses 2 STEPS LOCK or 1 STEP LOCK hinges. It is recommended for active rehabilitation which enables the patient to be involved in the process of its improvement.

In STAND mode, it allows you to amplify the whole figure at home while trying to get up and verticalization.

In WALK mode, together with the guardian or therapist, it allows an anti-gravity training with the use of gait elements such as pelvic control, both feet, lunges and laps supports.

Switching between STAND and WALK modes is done through turning the lock.

The string system allows with one pull a simultaneous release of the hip and knee joint lock.

The length adjustment of the hip and ankle joint rails.

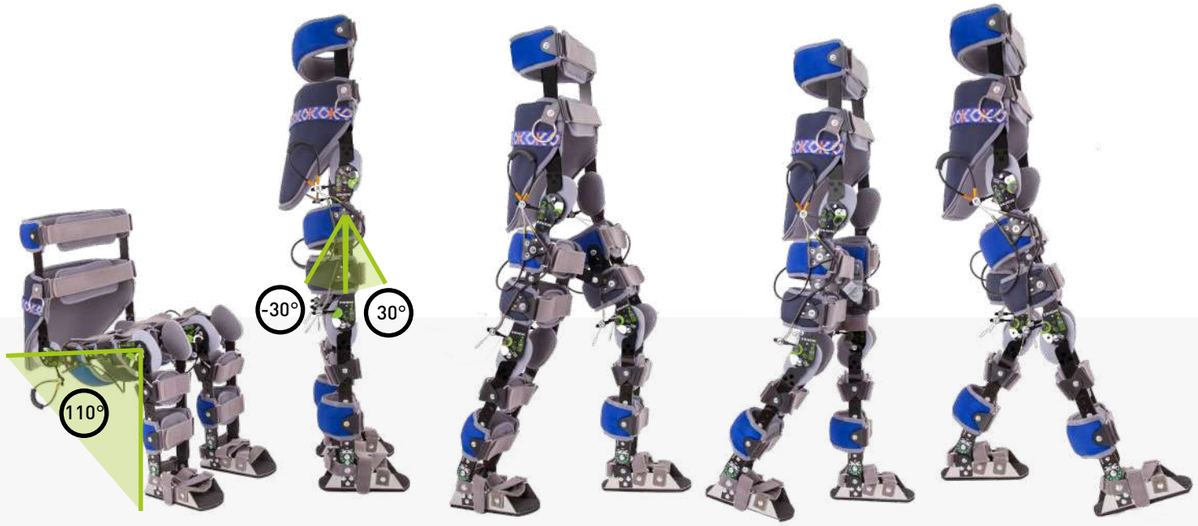
2 VERSIONS OF HINGES + AUTOMATIC STRING SYSTEM RELEASES

1 STEP LOCK
with self-locking bolt after extension

Only used for the knee joint. Intended for patients with large quadriceps insufficiency of the thigh making it impossible to keep the knee joint under load straighten.

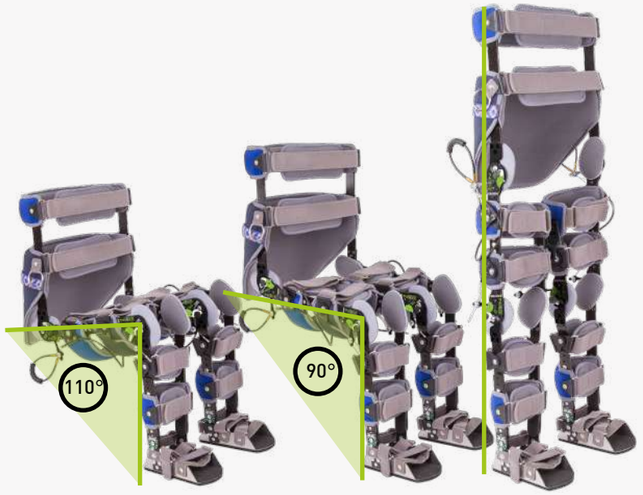
2 STEPS LOCK
with self-locking bolt after obtaining extension or 30° (depending on the operating mode)

Wykorzystywany dla stawu kolanowego i biodrowego. Umożliwia naprzemienną pracę w dwóch trybach STAND oraz WALK. W przypadku zastosowania w stawie kolanowym polecany pacjentom z zachowaną wyraźną pracą m.czworogłowego uda.



WALK

The operation of the brace in this mode allows free movement in the joint within 30° of flexion (0 - 30°) in the knee joint and flexion and extension (30° - 0° - 30°) in the hip joint. Quick release of the lock takes place from 30° allowing for a smooth transition to the sit. In the secured range of 30°, the patient is practicing independent flexion and extension movement while walking and and the same time trying to overcome own weight during the support of both legs and lunges and laps. In the case of using the 1 step lock hinge in the knee joint the movement takes place only in the hip joint, and the automatic release of the lock remains unchanged.



STAND (seat to stand)

The operation of the brace in this mode allows an easy transition from the seat for stan and vice versa. The brace automatically locks all joints once fully extended and allows for quick release of the lock and go to the seat. Provides active verticalization and participation of the patient in the process of position change.

CE

COLORS

PERFORMED INDIVIDUALLY

Use an individual measurement card

An brace covers the hip girdle, thighs, shins and feet HKAFO

HKAFO.BASIC

The BASIC version is recommended for the youngest patients. It allows verticalization, change of the centre of gravity, and balance training and setting responses.

HKAFO brace is available in 3 versions .BASIC, .ORTHO, .NEURO enables stabilization of the lower limbs, pelvis and torso during verticalization and learning to walk in the course of:

/ CP,
/ Meningomyelocele.
/ poliomyelitis,
/ traumatic brain injury.

Lockable in an intermediate position.

Length adjustment of the hip and ankle joint rails.

CE

COLORS

PERFORMED INDIVIDUALLY

Use an individual measurement card

MORE INFORMATION: