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Rehabilitation can stand for the healing of traumatised structures, both post-surgically as well as conservatively. Rehabilitation may also stand for the adaptation to altered circumstances.

Functional rehabilitation has many faces. The amateur snowboarder following an accident. A child falling off a swing. The osteoporotic grandfather. A stroke patient. The herniated disk after heavy lifting. A golfer with chronic knee pain. The torn PCL after the ski trip. A neurological defect in the womb. We strive to offer solutions that are as diverse as the people, that we aim to support. We foster relationships with medical professionals and technicians in continuous pursuit of innovation and scientific advance.

**Together – for a life in motion.**





## Green

symbolises growth and awakening, vitality and personal passions.

**Green** is life-affirming, new hope.

**Green** is the colour of nature. As such it is easily overlooked and taken for granted. Just like we take our health for granted, until it no longer is.

**Green** is the shoot, that springs from an injured structure and rings in healing.

**Green** supports.

## is albrecht

**We believe in customer orientation**

Because cooperation is the foundation.



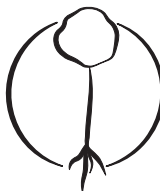
**We believe in innovation**

Because technology is fun.



**We believe in sustainability**

Because otherwise there is no future.



**We believe in quality**

Because that is what our patients deserve.



No one is S, M, L, XL – we have been saying this for quite some time. People may not be categorised, this mindset has never been more contemporary.

We may assist you with modular changes and size modifications.



# albrecht orthotic devices

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# Functional orthoses

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## Full physiological mobility

Functional braces relief and stabilize joints and ligaments after trauma and surgery. They support joints and ligaments in the healing process while maintaining the natural range of motion.

Whilse protecting fragile joints and ligaments during rehabilitation, our functional braces are also designed to allow a guided, step by step return to full physiological mobility.

### **Professor Eijnar Eriksson:**

*Knee extension deficit has been one of the most cumbersome problems after reconstruction of the anterior cruciate ligament (ACL). Studies show that a straight postoperative brace tends to leave the operated and bandaged knee in some degrees of flexion. Prevention of extension deficit can be done in many ways but the use of a albrecht Hypex® Lite brace set at -5 deg postoperatively seems to be an easy way of preventing this complication.*

### **Werner S, Eriksson E:**

Can a postoperative brace in slight hyperextension prevent an extension lag after ACL-reconstruction?  
Abstracts – 10th Congress ESSKA. P.123, 2002.

### **Mikkelsen C, Cerulli G, Lorenzini M, Bergstrand G, Werner S:**

Can a post-operative brace in slight hyperextension prevent extension deficits after anterior cruciate ligament reconstruction. Knee Surg Sports Traumatol Arthroscop (2003) 11: 318-321.

# Hypex® Lite Knee Brace

## Knee orthoses with 4 point principle and extension/flexion-limitations

**Patents** DE 199 33 197 / EP 0 956 837 / US 6,375,632 / further patents pending

**Sizes**  This product is available in pediatric sizes.

### Indicationen

- Collateral ligament injuries
- ACL and PCL ruptures
- Meniscus injury
- Femur condyle fracture
- Patella fracture
- Tibial plateau fracture
- Condition after meniscus reconstruction
- Condition after microfracturation,
- Pridie drilling
- Condition after abrasion chondroplasty
- Condition after cartilage transplantation
- Condition after osteotomies (procedures)
- Patella luxation
- Moderate instability of the knee
- Multiligamentous instability
- Genu recurvatum

### Features

- Physiological motion sequence through combined arrangement of hinges
- Anatomically formed hinge rods and shells
- Individually adjustable straps
- Limits may be adjusted without tools
- Continuously adjustable extension between +45° and -15° to allow for physiological hyperextension of the knee
- Flexion can be adjusted in 15° intervals up to 90° (max flexion 130°)
- Continuous immobilisation between +45° and -15°
- Easy handling and high wearing comfort



### Mode of Operation

The Hypex® Lite Knee Brace stabilises and relieves the knee during conservative and post-operative rehabilitation. Straps and shells may be adjusted individually for high wearing comfort, shifting out of place is prevented. The Hypex® Lite ensures the same stability as a rigid frame orthosis. The continuously adjustable extension stop allows for physiological hyperextension of the knee.

### Size chart and article numbers

Name	Length of thigh shell medial*	Length of lower leg shell medial*	Circumference of thigh	Circumference of calf	Art.-No. left	Art.-No. right
Hypex® Lite L/L	24 cm	26,5 cm	36 - 66 cm	27 - 47 cm	804LL-L	804LL-R
Hypex® Lite L/M	19 - 23 cm	25 - 28 cm	33 - 44 cm	24 - 35 cm	804LM-L	804LM-R
Hypex® Lite M/L	18 - 21 cm	20 - 23 cm	36 - 63 cm	27 - 45 cm	804ML-L	804ML-R
Hypex® Lite M/S	17 - 20 cm	21 - 25 cm	36 - 63 cm	22 - 32 cm	804MS-L	804MS-R
Hypex® Lite S/S	18 cm	20 cm	30 - 40 cm	22 - 32 cm	804SS-L	804SS-R
Hypex® Lite XS/XS	15 cm	18 cm	25 - 35 cm	20 - 30 cm	804XSXS-L	804XSXS-R
Hypex® Lite XXS	12 cm	15 cm	20 - 30 cm	15 - 25 cm	804XXS-L	804XXS-R

\*in combination with the shell set



## Hypex® Lite – for all stages of rehabilitation

The Hypex® Lite Knee Brace is used during all stages of rehabilitation - from post-surgical/ post-trauma to full recovery and enables an individual step by step adjustment until the physiological extension of the other leg is reached.

Hinge medial  
(monozentrisch)



Hinge lateral  
(polyzentrisch)



For Sizes:

L/L

L/M

M/L

M/S

## Modules for the modular assembly of sizes S/S, XS/XS, XXS

### Thigh Shell Sets

Size	Circumference of thigh	left	right	Art.-No.
S/S	30 - 40 cm	•		832SS-L
			•	832SS-R
XS/XS	25 - 35 cm	•		832XSXS-L
			•	832XSXS-R
XXS	20 - 30 cm	•		832XXS-L
			•	832XXS-R



### Hinge Sets Hypex® Lite

Size	Length of thigh medial	Length of lower leg medial	left	right	Art.-No.
S	18 cm	20 cm	•		820-820-S
				•	820-821-S
XS	15 cm	18 cm	•		820-822-S
				•	820-823-S
XXS	12 cm	15 cm	•		820-824-S
				•	820-825-S



\*in combination with the respective shell sets

### Shell Sets calf

Size	Circumference of calf	left	right	Art.-No.
S/S	22 - 32 cm	•		833SS-L
			•	833SS-R
XS/XS	20 - 30 cm	•		833XSXS-L
			•	833XSXS-R
XXS	15 - 25 cm	•		833XXS-L
			•	833XXS-R



# Jack\* PCL Knee Brace

## Dynamic knee orthosis to relieve the PCL

### Patents

EP 1 575 464 / EP 1 114 619 / EP 0 841 044 / US 7,309,322 / US 5,954,677 / further patents pending

### Sizes



This product is available in pediatric sizes.

### Indications

- PCL ruptures
- Partial ruptures and elongations of the PCL

### Features

- Constant translation force independent of the flexion angle
- Individually adjustable spring tension
- Spring force can be adjusted infinitely and individually
- Spring force can be easily increased or reduced at any time
- Spring tension can be switched on and off without tools whilst retaining the set pressure force at the calf shell
- Limitation in 15° increments in extension and flexion -
- Extension limitation 0° / 15° / 30° / 45°
- Flexion limitation 60° / 75° / 90° / 105° / 120°
- ROM possible from 0° bis 120°
- Temporary immobilisation possible
- High level of wearing comfort due to breathable, lightweight aluminium thigh shells
- High flexibility due to adjustable, customisable thigh shells
- Extended size system, incl. paediatric sizes
- Modular elements that can be combined with one another
- Anatomically shaped tibia shell to improve pressure distribution
- Strap system can be adjusted to suit individual requirements
- Easy handling and high level of wearing comfort



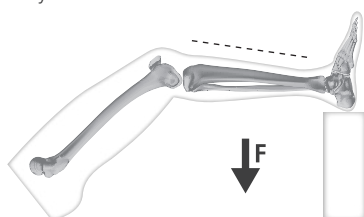
### Mode of Operation

The Jack PCL Knee Brace overcomes the gravity of the lower leg to relieve the posterior cruciate ligament. The translation force may be adjusted to the leg and weight of the patient through setting the tension on both sides of the brace. Hereby the detrimental effects of the muscle and gravitation forces can be counteracted. The slipping of the tibia into the posterior drawer position is inhibited.

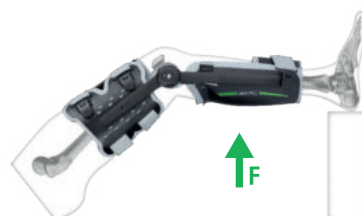
### The idea behind the Jack PCL Knee Brace

**The Problem:** Posterior drawer position caused by gravity or the activation of the ischiocrural muscles.

**The solution:** Constant anterior directed force.



Measurement chart on page 116



Other sizes available on request.

## Size chart and article numbers

Size	Length of thigh shell medial*	Length of calf shell*	Circumference of thigh	Circumference of calf	Art.-No. links	Art.-No. rechte
L/L	23 - 25,5 cm	34 cm	36 - 66 cm	40 - 48 cm	885LL-L	885LL-R
L/M	23 - 25,5 cm	32 cm	36 - 66 cm	33 - 40 cm	885LM-L	885LM-R
L/S	23 - 25,5 cm	31 cm	36 - 66 cm	27 - 33 cm	885LS-L	885LS-R
LM/S	23 - 25,5 cm	31 cm	33 - 43 cm	27 - 33 cm	885LMS-L	885LMS-R
M/L	18,5 - 21 cm	29 cm	36 - 66 cm	40 - 48 cm	885ML-L	885ML-R
M/M	18,5 - 21 cm	27 cm	36 - 66 cm	33 - 40 cm	885MM-L	885MM-R
M/S	18,5 - 21 cm	26 cm	36 - 66 cm	27 - 33 cm	885MS-L	885MS-R
S/XS	17,5 - 20 cm	24 cm	30 - 40 cm	22 - 27 cm	885SXS-L	885SXS-R

\*in combination with the respective shell sets

## Modules for individual assembly

### Shell set upper thigh

Size	Circumference of thigh	left	right	Art.-No.
L	36 - 66 cm	•		830L-L
			•	830L-R
LM	33 - 43 cm	•		830LM-L
			•	830LM-R
M	36 - 66 cm	•		830M-L
			•	830M-R
S	30 - 40 cm	•		830S-L
			•	830S-R



### Hinge sets PCL

Size	Application	Length of thigh shell medial*	Length of calf medial*	left	right	Art.-No.
L	L/L	23 - 25,5 cm	34 cm	•		870-300-L
	L/M		32 cm		•	
	L/S		31 cm		•	
	LM/S		31 cm		•	
M	M/L	18,5 - 21 cm	29 cm	•		870-310-L
	M/M		27 cm		•	870-310-R
	M/S		26 cm		•	
S	S/XS	17,5 - 20 cm	24 cm	•		870-320-L
					•	



\*in combination with the respective shell sets


### Shell sets calf PCL

Size	Circumference of calf	left	right	Art.-No.
L/L	40 - 48 cm	•		831LL-L
			•	831LL-R
L/M	33 - 40 cm	•		831LM-L
			•	831LM-R
L/S	27 - 33 cm	•		831LS-L
			•	831LS-R
M/L	40 - 48 cm	•		831ML-L
			•	831ML-R
M/M	33 - 40 cm	•		831MM-L
			•	831MM-R
M/S	27 - 33 cm	•		831MS-L
			•	831MS-R
X/S	22 - 27 cm	•		831SXS-L
			•	831SXS-R



## Functional elbow orthosis with ROM limitation

**Patents** EP 0 956 837 / US 6,375,632 / further patents pending

**Sizes**  This product is available in pediatric sizes..

### Indications

- slight to moderate instability of the elbow joint
- post-traumatic or post-surgical immobilisation
- post traumatic or post-surgical controlled movement of the elbow joint

**Optional adjustable handle** with continuously adjustable immobilisation of the wrist between 70° pronation and 70° supination

**Optional hand plate** with angle adjustment

**Optional carrying strap**

### Features

- flexion and extension limits may be adjusted without tools
- extension limit can be adjusted between 0° and 135°
- flexion limit can be adjusted in 15° intervals until 120°
- immobilisation of the brace between 0° and -15°
- individual adjustment of shells and straps
- easy handling and high wearing comfort
- **Elbo-track L/L and M/M:** aluminium shells with ROM hinge
- **Elbo-track S/S and XS/XS:** forearm shell in textile with ROM Nano hinge



### Mode of Operation

The **Elbo-track Ellbogenführungsorthese** stabilises and relieves the ligamentous apparatus following ligament injuries during conservative and post-operative rehabilitation. Straps and shells may be adjusted individually for high wearing comfort. The continuously variable extension limit between 0° bis 135° allows for individual terminal extension.

### Size chart and article numbers

Name	Length of upper arm medial	Length of forearm shell medial*	Circumference of upper arm	Circumference of forearm	Art.-No. left	Art.-No. right
<b>Elbo-track L/L</b>	17 - 21 cm	20 - 24 cm	28 - 39 cm	22 - 30 cm	850LL-L	850LL-R
<b>Elbo-track L/L with handle</b>	17 - 21 cm	20 - 24 cm	28 - 39 cm	22 - 30 cm	8501LL-L	8501LL-R
<b>Elbo-track M/M</b>	17 - 20,5 cm	19 - 22 cm	20 - 30 cm	18 - 24 cm	850MM-L	850MM-R
<b>Elbo-track M/M with handle</b>	17 - 20,5 cm	19 - 22 cm	20 - 30 cm	18 - 24 cm	8501MM-L	8501MM-R
<b>Elbo-track S/S</b>	17 - 20 cm	17,5 cm	15 - 21 cm	14 - 19 cm	850SS-L	850SS-R
<b>Elbo-track S/S with handle</b>	17 - 20 cm	17,5 cm	15 - 21 cm	14 - 19 cm	8501SS-L	8501SS-R
<b>Elbo-track XS/XS</b>	14 - 17 cm	14,5 cm	14 - 17,5 cm	12 - 14 cm	850XSXS-L	850XSXS-R
<b>Elbo-track XS/XS with handle</b>	14 - 17 cm	14,5 cm	14 - 17,5 cm	12 - 14 cm	8501XSXS-L	8501XSXS-R
<b>handle L, handle S</b>					991L-HL, 991S-HL	991L-HR, 991S-HR
<b>adjustable handle L, adjustable handle S</b>					993L-HL, 993S-HL	993L-HR, 993S-HR
<b>adjustable hand plate L, width 10 cm</b>					994L-HL	994L-HR
<b>adjustable hand plate M, width 8 cm</b>					994M-HL	994M-HR
<b>adjustable hand plate S, width 6 cm</b>					994S-HL	994S-HR
<b>carrying strap L, carrying strap S</b>					580-200-S	580-210-S



Functional  
orthoses

# talunair® Ankle Brace

## Ankle orthosis for stabilisation in one plane

### Indications

- Post-surgical protection after ligament repair/reconstruction
- Conservative therapy of ankle joint distortions of all degrees of severity
- Functional therapy of ligament ruptures
- Ankle joint fractures (Weber A)
- Ligament instabilities
- Ligament injuries of the ankle joint
- Severe ankle joint distortion with loosened ligament
- Conservative or functional follow-up treatment of ankle joint fractures and ligament ruptures

### Features

- Air chambers made out of skin-friendly polyurethane sheeting
- PVC-free and free of plasticizers
- Air chambers inner core made out of PU foam filling
- Available in white and black

**Optional** pronation strap for upgrading to talupro®

### Mode of Operation

The talunair® provides medial and lateral support to the ankle joint while allowing a great degree of flexion and extension. This allows for a normal motion sequence. The air chambers cushion the supports to prevent unpleasant pressure. Stronger padding at both ankles provides higher pressure at the bottom third of the supporting area. The applied pressure decreases from the bottom towards the top, helping to reduce swelling more rapidly

### Size chart and article numbers

Size	Body height	Colour	Art.-No. left	Art.-No. right
<b>S</b>	under 158 cm	white	600S-L	600S-R
<b>M</b>	158 - 163 cm	white	600M-L	600M-R
<b>L</b>	from 163 cm	white	600L-L	600L-R
<b>M</b>	to 163 cm	black	600MS-L	600MS-R
<b>L</b>	from 163 cm	black	600LS-L	600LS-R
<b>Pronation strap for upgrading to talupro®</b>		white	481-020-S	481-025-S
<b>Pronation strap for upgrading to talupro®</b>		black	482-020-S	482-025-S



# talupro® Ankle Brace

00800 03032900

Ankle orthosis for stabilisation in one plane,  
adjustable through pronation strap

## Indications

- Postsurgical protection after ligament repair/reconstruction
- Conservative therapy of ankle joint distortions of all degrees of severity
- Functional therapy of ligament rupture
- Ligament injuries of the ankle joint
- Severe ankle joint distortion with loosened joint
- Conservative or functional follow-up treatment of ankle joint fractures and ligament ruptures

## Features

- Anatomically shaped shells
- Air chambers made out of skin-friendly polyurethane sheeting
- Air chambers' inner core made out of PU foam filling
- PVC-free and free of plasticizers
- Available in white and black
- Pronation strap is easily removable

## Mode of Operation

The talupro® provides medial and lateral support to the ankle joint while allowing a great degree of flexion and extension. This allows for a normal motion sequence. The air chambers cushion the supports to prevent unpleasant pressure. Stronger padding at both ankles provides higher pressure at the bottom third of the supporting area. The applied pressure decreases from the bottom towards the top, helping to reduce swelling more rapidly.

The pronation strap provides additional stability to the forefoot. The pronation strap can be removed. The pronation strap consist of different firm and semi-elastic materials. The inelastic materials have a supporting and fixating effect. The pronation strap is wrapped around the foot according to the principles of taping in order to counteract supination and talus prolapse/forward movement of the talus.



Functional  
orthoses

## Size chart and article numbers

Size	Body height	Colour	Art.-No. left	Art.-No. right
S	under 158 cm	white	610S-L	610S-R
M	158 - 163 cm	white	610M-L	610M-R
L	from 163 cm	white	610L-L	610L-R
M	to 163 cm	black	610MS-L	610MS-R
L	from 163 cm	black	610LS-L	610LS-R





# CDS® - orthoses for dynamic correction

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## CDS® – Controlled-Dynamic-Stretch

### „Spring back to life“

Limitation of movement frequently occurs after trauma and surgery. This can cause pain and can perceptibly interfere with the quality of life of those affected. A complex treatment plan and close collaboration of doctors, nurses, therapists and technicians are often necessary to help the patient. With our CDS® braces, we want to provide an innovative aid that will be integrated in an overall plan to assist your patients to return to a „life in motion“.

Our CDS® braces contain an adjustable hinge that exerts controllable dynamic spring force. The individually adjustable spring force is displayed by an indicator and can be deactivated when applying and removing the brace and during breaks in treatment.

The shell construction of the braces offers the greatest comfort in wear and outstanding pressure distribution. The adjustable limitation of the redression range protects the tissue from harmful and painful overstretching.

# CDS® Knee Brace Extension

## Dynamic spring-loaded knee orthosis

**Patents** EP 0 841 044 / US 5,954,677 / EP 3 352 713 / further patents pending

**Sizes**  This product is available in pediatric sizes.

### Indications

- Joint contractures due to
  - vegetative state
  - cerebral palsy
  - genetic syndroms
  - epilepsy
  - spina bifida
  - near-drowning
  - burns
  - stroke
  - spinal injury
  - paralysis
  - craniocerebral injury
  - capsular ligament injury
  - surgery
  - before and after knee replacement
  - arthrosis and chronic polyarthritis
- to prevent recurring constracures following arthrolysis
- rupture of muscle fibre in the quadriceps
- patella tendon tear
- quadriceps weakness
- conservative, post-surgical for all indications that contrindicate active extension of the knee

### Features

- activation of the extensors and stretching of the flexors
- spring tension individually adjustable
- spring tension can be switched on and off without tools and without varying the set spring tension
- adjustable shell- and strapsystem
- **CDS® Knee Brace Extension L/L, L/M, M/L, M/S:**
  - infinitely variable adjustment of the redression range between -15° bis +30°
  - high wearing comfort due to exact adjustment of the air-permeable aluminium shells
- **CDS® Knee Brace Extension S/S, XS/XS, XXS with CDS® Nano hinge:**
  - adjustment of the redression range in 10° steps
  - high wearing comfort due to textile shells



### Mode of Operation

The CDS® Knee Brace Extension is based on the CDS®-principle and has been designed to treat an extension deficit of the knee. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The infinitely adjustable redression range up to -15° prevents harmful overstretching.

### Size chart and article numbers

Name	Length of thigh shell medial*	Length of calf medial*	Circumference of thigh	Circumference of calf	Art.-No. left	Art.-No. right
<b>Knee Extension L/L</b>	23 - 25,5 cm	26,5 - 29 cm	36 - 66 cm	32 - 47 cm	901LL-L	901LL-R
<b>Knee Extension L/M</b>	21,5 - 24 cm	26,5 - 29 cm	33 - 43 cm	24 - 35 cm	901LM-L	901LM-R
<b>Knee Extension M/L</b>	18,5 - 21 cm	20,5 - 23,5 cm	36 - 66 cm	32 - 47 cm	901ML-L	901ML-R
<b>Knee Extension M/S</b>	17,5 - 20 cm	20,5 - 22,5 cm	30 - 40 cm	22 - 32 cm	901MS-L	901MS-R
<b>Knee Extension S/S</b>	18 cm	20 cm	30 - 40 cm	22 - 32 cm	901SS-L	901SS-R
<b>Knee Extension XS/XS</b>	15 cm	18 cm	25 - 35 cm	20 - 30 cm	901XSXS-L	901XSXS-R
<b>Knee Extension XXS</b>	12 cm	15 cm	20 - 30 cm	15 - 25 cm	901XXS-L	901XXS-R

\*in combination with the respective shell sets

## Modules for the modular assembly

### Thigh Shell Sets

Size	Circumference of thigh	left	right	Art.-No.
L/L	36 - 66 cm	•		820LL-L
			•	820LL-R
L/M	33 - 43 cm	•		820LM-L
			•	820LM-R
M/L	36 - 66 cm	•		820ML-L
			•	820ML-R
M/S	30 - 40 cm	•		820MS-L
			•	820MS-R
S/S	30 - 40 cm	•		820SS-L
			•	820SS-R
XS/XS	25 - 35 cm	•		820XSXS-L
			•	820XSXS-R
XXS	20 - 30 cm	•		820XXS-L
			•	820XXS-R



### Hinge Sets CDS® Knee Brace Extension

Size	Length of thigh shell medial*	Length of calf medial	left	right	Art.-No.
L/L	23 - 25,5 cm	26,5 - 29 cm	•		870-100-L
L/M	21,5 - 24 cm	26,5 - 29 cm		•	870-100-R
M/L	18,5 - 21 cm	20,5 - 23,5 cm	•		870-110-L
M/S	17,5 - 20 cm	20,5 - 22,5 cm		•	870-110-R
S/S	18 cm	20 cm	•		870-120-L
				•	870-120-R
XS/XS	15 cm	18 cm	•		870-125-L
				•	870-125-R
XXS	12 cm	15 cm	•		870-126-L
				•	870-126-R

\*in combination with the respective shell sets

### Calf Shell Set

Size	Circumference of calf	left	right	Art.-No.
L/L	32 - 47 cm	•		821LL-L
			•	821LL-R
L/M	24 - 35 cm	•		821LM-L
			•	821LM-R
M/L	32 - 47 cm	•	•	821ML
M/S	22 - 32 cm	•		821MS-L
			•	821MS-R
S/S	22 - 32 cm	•		821SS-L
			•	821SS-R
XS/XS	20 - 30 cm	•		821XSXS-L
			•	821XSXS-R
XXS	15 - 25 cm	•		821XXS-L
			•	821XXS-R



# CDS® Knee Brace Flexion

## Dynamic spring-loaded knee orthosis

**Patents** EP 0 841 044 / US 5,954,677 / EP 3352713 / further patents pending

**Sizes**  This product is available in pediatric sizes.

### Indications

- Joint contractures due to
  - vegetative state
  - cerebral palsy
  - genetic syndroms
  - epilepsy
  - spina bifida
  - near-drowning
  - burns
  - stroke
  - spinal injury
  - paralysis
  - craniocerebral injury
  - capsular ligament injury
  - surgery
  - before and after knee replacement
  - arthrosis and chronic polyarthritis
- to prevent recurring contractures following arthrolysis
- conservative, post-surgical for all indications that contraindicate active flexion of the knee

### Features

- activation of flexors and stretching of extensors
- spring tension individually adjustable
- spring tension can be switched on and off without tools and without varying the set spring tension
- adjustable shell- and strapsystem
- **CDS® Knee Brace Flexion L/L, L/M, M/L, M/S:**
  - infinitely variable adjustment of the redression range between -15° bis +30°
  - high wearing comfort due to exact adjustment of the air-permeable aluminium shells
- **CDS® Knee Brace Flexion S/S, XS/XS, XXS with CDS® Nano hinge:**
  - adjustment of the redression range in 10° steps
  - high wearing comfort due to textile shells



### Mode of Operation

The CDS® Knee Brace Flexion is based on the CDS®-principle and has been designed to treat an extension deficit of the knee. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The infinitely adjustable redression range up to -15° prevents harmful overstretching

### Size chart and article numbers

Bezeichnung	Length of thigh shell medial*	Length of calf medial*	Circumference of thigh	Circumference of calf	Art.-No. left	Art.-No. right
<b>Knee Flexion L/L</b>	23 - 25,5 cm	26,5 - 29 cm	36 - 66 cm	32 - 47 cm	904LL-L	904LL-R
<b>Knee Flexion L/M</b>	21,5 - 24 cm	26,5 - 29 cm	33 - 43 cm	24 - 35 cm	904LM-L	904LM-R
<b>Knee Flexion M/L</b>	18,5 - 21 cm	20,5 - 23,5 cm	36 - 66 cm	32 - 47 cm	904ML-L	904ML-R
<b>Knee Flexion M/S</b>	17,5 - 20 cm	20,5 - 22,5 cm	30 - 40 cm	22 - 32 cm	904MS-L	904MS-R
<b>Knee Flexion S/S</b>	18 cm	20 cm	30 - 40 cm	22 - 32 cm	904SS-L	904SS-R
<b>Knee Flexion XS/XS</b>	15 cm	18 cm	25 - 35 cm	20 - 30 cm	904XSXS-L	904XSXS-R
<b>Knee Flexion XXS</b>	12 cm	15 cm	20 - 30 cm	15 - 25 cm	904XXS-L	904XXS-R

\*in combination with the respective shell sets

## Modules for the modular assembly

### Thigh Shell Sets

Size	Circumference of thigh	left	right	Art.-No.
L/L	36 - 66 cm	•		820LL-L
			•	820LL-R
L/M	33 - 43 cm	•		820LM-L
			•	820LM-R
M/L	36 - 66 cm	•		820ML-L
			•	820ML-R
M/S	30 - 40 cm	•		820MS-L
			•	820MS-R
S/S	30 - 40 cm	•		820SS-L
			•	820SS-R
XS/XS	25 - 35 cm	•		820XSXS-L
			•	820XSXS-R
XXS	20 - 30 cm	•		820XXS-L
			•	820XXS-R



### Hinge Sets CDS® Knee Brace Flexion

Size	Length of thigh shell medial*	Length of calf shell medial*	left	right	Art.-No.
L/L	23 - 25,5 cm	26,5 - 29 cm	•		870-130-L
L/M	21,5 - 24 cm	26,5 - 29 cm		•	870-130-R
M/L	18,5 - 21 cm	20,5 - 23,5 cm	•		870-140-L
M/S	17,5 - 20 cm	20,5 - 22,5 cm		•	870-140-R
S/S	18 cm	20 cm	•		870-150-L
				•	870-150-R
XS/XS	15 cm	18 cm	•		870-155-L
				•	870-155-R
XXS	12 cm	15 cm	•		870-156-L
				•	870-156-R

\*in combination with the respective shell sets

### Calf Shell Set

Size	Circumference of calf	left	right	Art.-No.
L/L	32 - 47 cm	•		821LL-L
			•	821LL-R
L/M	24 - 35 cm	•		821LM-L
			•	821LM-R
M/L	32 - 47 cm	•		821ML
			•	
M/S	22 - 32 cm	•		821MS-L
			•	821MS-R
S/S	22 - 32 cm	•		821SS-L
			•	821SS-R
XS/XS	20 - 30 cm	•		821XSXS-L
			•	821XSXS-R
XXS	15 - 25 cm	•		821XXS-L
			•	821XXS-R



# CDS® Knee Brace Amputation

## Dynamic spring-loaded knee orthosis

**Patents** EP 0 841 044 / US 5,954,677 / EP 3352713 / further patents pending

### Indications

- extension deficit of the knee following lower leg amputation

### Features

- activation of the extensors and stretching of the flexors
- spring tension individually adjustable
- spring tension can be switched on and off without tools and without varying the set spring tension
- adjustable shell- and strapsystem
- length adjustment of the shells
- even pressure distribution



### Mode of Operation

The CDS® Knee Brace Amputation is based on the CDS®-principle and has been designed to treat an extension deficit of the knee. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The infinitely adjustable redression range up to -15° prevents harmful overstretching

### Size chart and article numbers

Size	Length of thigh shell medial*	Length of stump medial*	Circumference of thigh	Circumference of stump	Art.-No. left	Art.-No. right
L/L	23 - 25,5 cm	17 - 25 cm	36 - 66 cm	40 - 48 cm	903LL-L	903LL-R
LM/M	21,5 - 24 cm	17 - 25 cm	33 - 43 cm	33 - 40 cm	903LMM-L	903LMM-R
S/S	17,5 - 20 cm	17 - 25 cm	30 - 40 cm	27 - 33 cm	903SS-L	903SS-R

\*in combination with the respective shell sets

## Modules for the modular assembly

### Thigh Shell Sets

Size	Circumference of thigh	left	right	Art.-No.
L/L	36 - 66 cm	•		830L-L
			•	830L-R
L/M LM/M	33 - 43 cm	•		830LM-L
			•	830LM-R
S/S	30 - 40 cm	•		830S-L
			•	830S-R



### Hinge Set CDS® Knee Brace Amputation

Size	Length of thigh shell medial*	Length of stump medial*	left	right	Art.-No.
L/L, L/M	23 - 25,5 cm	17 - 25 cm	•		870-102-L
	21,5 - 24 cm			•	870-102-R
S/S	17,5 - 20 cm	17 - 25 cm	•		870-122-L
				•	870-122-R



\*in combination with the respective shell sets

### Calf Shell Set

Size	Circumference of stump	left	right	Art.-No.
L	40 - 48 cm	•		834L
M	33 - 40 cm	•		834M
S	27 - 33 cm	•		834S



# CDS® Ankle Brace

## Dynamic spring-loaded ankle orthosis

**Patents** EP 0 841 044 / US 5,954,677 / EP 3352713 / further patents pending

**Sizes**  This product is available in pediatric sizes.

### Indications

- Joint contractures due to
  - vegetative state
  - cerebral palsy
  - genetic syndroms
  - epilepsy
  - spina bifida
  - near-drowning
  - burns
  - stroke
  - spinal injury
  - paralysis
  - craniocerebral injury
  - capsular ligament injury
  - surgery
  - before and after knee replacement
  - arthrosis and chronic polyarthritis
- to prevent recurring constracures following arthrolysis

### Features

- therapy in dorsal extension
- spring tension individually adjustable
- spring tension can be switched on and off without tools and without varying the set spring tension
- adjustable shell- and strapsystem
- adjustable pivot point in the ankle
- adjustable foot rotation: 5° internal rotation, 5° external rotation
- **CDS® Ankle Brace L/L, L/M, L/S:**
  - infinitely variable adjustment of the redression range between -15° bis +30°
  - high wearing comfort due to exact adjustment of the air-permeable aluminium shells
- **CDS® Ankle Brace S/S, XS/XS, XXS with CDS® Nano hinge:**
  - adjustment of the redression range in 10° steps
  - high wearing comfort due to textile shells

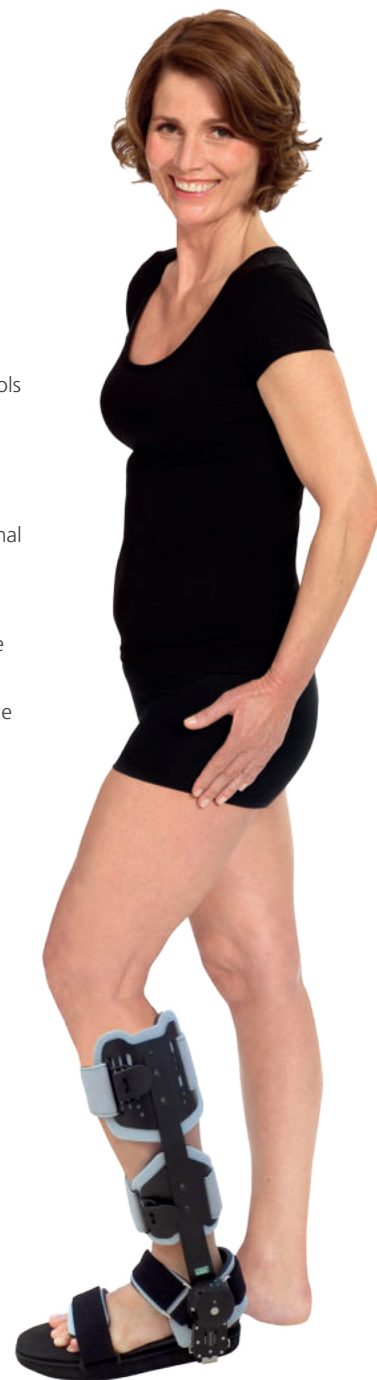
### Mode of Operation

The CDS® Ankle Brace is based on the CDS®-principle and has been designed to treat an extension deficit of the ankle. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The infinitely adjustable redression range up to -15° prevents harmful overstretching

### Size chart and article numbers

Name	Length of thigh shell medial*	Circumference of calf	EU-shoe size	Length of sole	Art.-No. left	Art.-No. right
<b>Ankle L/L</b>	29,5 - 33 cm	32 - 47 cm	44 - 47	30 cm	920LL-L	920LL-R
<b>Ankle L/M</b>	29,5 - 33 cm	32 - 47 cm	40 - 43	27,5 cm	920LM-L	920LM-R
<b>Ankle L/S</b>	29,5 - 33 cm	32 - 47 cm	37 - 39	26 cm	920LS-L	920LS-R
<b>Ankle M/S</b>	20,5 - 24,5 cm	22 - 32 cm	35 - 36	24,5 cm	920MS-L	920MS-R
<b>Ankle S/S</b>	20 cm	22 - 32 cm	30 - 34	23 cm	920SS-L	920SS-R
<b>Ankle XS/XS</b>	18 cm	20 - 30 cm	26 - 29	20 cm	920XSXS-L	920XSXS-R
<b>Ankle XXS</b>	15 cm	17 - 22 cm	20 - 25	17,5 cm	920XXS-L	920XXS-R

\*in combination with the respective shell sets/measured from the ankle pivot point





## Modules for the modular assembly





### Foot Hinge Sets CDS® Ankle Brace

Size	Length of thigh shell medial*	EU-shoe size	Length of sole	left	right	Art.-No.
<b>L</b>	29,5 - 33 cm	44 - 47	30 cm	•		836L-L
					•	836L-R
<b>M</b>	29,5 - 33 cm	40 - 43	27,5 cm	•		836M-L
					•	836M-R
<b>S</b>	29,5 - 33 cm	37 - 39	26 cm	•		836S-L
					•	836S-R
<b>MS</b>	20,5 - 24,5 cm	35 - 36	24,5	•		836MS-L
					•	836MS-R
<b>SS</b>	20 cm	30 - 34	23 cm	•		836SS-L
					•	836SS-R
<b>XS</b>	18 cm	26 - 29	20 cm	•		836XSXS-L
					•	836XSXS-R
<b>XXS</b>	15 cm	20 - 25	17,5 cm	•		836XXS-L
					•	836XXS-R

\*in combination with the respective shell sets/measured from the ankle pivot point



### Shell Sets CDS® Ankle Brace

Size	Circumference of calf	left	right	Art.-No.	
<b>L</b>	32 - 47 cm	•		825L-L	
			•	825L-R	
<b>LT</b>	22 - 47 cm	•		825LT-L	
			•	825LT-R	
<b>M/S</b>	22 - 32 cm	•		825MS-L	
			•	825MS-R	
<b>S/S</b>	22 - 32 cm	•		825SS-L	
			•	825SS-R	
<b>XS/XS</b>	20 - 30 cm	•		825XSXS-L	
			•	825XSXS-R	
<b>XXS</b>	17 - 22 cm	•		825XXS-L	
			•	825XXS-R	

# CDS® Ankle Brace Neuro

## Dynamic spring-loaded ankle orthosis

**Patents** EP 0 841 044 / US 5,954,677 / EP 3352713 / further patents pending

### Indications

- Joint contractures due to
  - vegetative state
  - cerebral palsy
  - genetic syndroms
  - epilepsy
  - spina bifida
  - near-drowning
  - stroke
  - spinal injury
  - paralysis
  - craniocerebral injury

### Features

- activation of the extensors and stretching of the flexors
- therapy in dorsal extension
- spring tension individually adjustable
- spring tension can be switched on and off without tools and without varying the set spring tension
- adjustable shell- and strapsystem
- adjustable pivot point in the ankle
- adjustable foot rotation: 5° internal rotation, 5° external rotation
- hinge cover
- even pressure distribution due to vacuum pillow
- individual adjustable foot bedding
- adjustable pronation and supination
- adjustable rotation
- inclusive vacuum pump



### Mode of Operation

The CDS® Ankle Brace Neuro is based on the CDS®-principle and has been designed to treat an extension deficit of the ankle. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The infinitely adjustable redression range up to -15° prevents harmful overstretching

### Size chart and article numbers

Name	Length of thigh shell medial*	Circumference of calf	EU-shoe size	length of sole	Art.-No.
Ankle Neuro L/L	36 - 38,5 cm	22 - 47 cm	44 - 47	32 cm	922LL
Ankle Neuro L/M	36 - 38,5 cm	22 - 47 cm	37 - 43	28,5 cm	922LM

Measurement chart on page 116

Other sizes available on request.

## Modules for the modular assembly

### Calf pad

Size	Circumference of calf	left	right	Art.-No.
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L/L L/M	22 - 47 cm	•	•	835
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### Hinge Set CDS® Ankle Brace Extension L

Size	Length	left	right	Art.-No.
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L/L L/M	36 - 38,5 cm	•	•	870-160
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### Foot piece

Size	EU-shoe size	Length of sole	left	right	Art.-No.
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L/L	44 - 47	32 cm	•	•	826LN
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L/M	37 - 43	28,5 cm	•	•	826MN
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L/L L/M	hinge cover		•	•	580-300-S
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relieve the vacuum pump from the vacuum pillow



wearing comfort due to individual bedding



adjustable rotation of the foot piece between 15° and 30°

# CDS® Elbow Brace Extension

## Dynamic spring-loaded elbow orthosis

**Patents** EP 0 841 044 / US 5,954,677 / EP 3352713 / further patents pending

**Sizes**  This product is available in pediatric sizes

### Indications

- Joint contractures due to
  - vegetative state
  - cerebral palsy
  - genetic syndroms
  - epilepsy
  - spina bifida
  - near-drowning
  - burns
  - stroke
  - spinal injury
  - paralysis
  - craniocerebral injury
  - capsular ligament injury
  - surgery
  - before and after joint replacement
  - arthrosis and chronic polyarthritis
- to prevent recurring constracures following arthrolysis

### Features

- activation of the extensors and stretching of the flexors
- spring tension individually adjustable
- spring tension can be switched on and off without tools and without varying the set spring tension
- adjustable shell- and strapsystem
- **CDS® Elbow Brace Extension L/L, M/M:**
  - infinitely variable adjustment of the redression range between -15° bis +30°
- **CDS® Elbow Brace Extension S/S, XS/XS with CDS® Nano hinge:**
  - adjustment of the redression range in 10° steps



### Mode of Operation

The CDS® Elbow Brace Extension is based on the CDS®-principle and has been designed to treat an extension deficit of the elbow. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The infinitely adjustable redression range up to -15° prevents harmful overstretching.

### Size chart and article numbers

Name	Length of upper arm shell medial*	Length of forearm shell medial*	Circumference of upper arm	Circumference of forearm	Art.-No. left	Art.-No. right
<b>Elbow Extension L/L</b>	17 - 21 cm	20 - 24 cm	28 - 39 cm	22 - 30 cm	906LL-L	906LL-R
<b>Elbow Extension L/L with handle</b>	17 - 21 cm	20 - 24 cm	28 - 39 cm	22 - 30 cm	9061LL-L	9061LL-R
<b>Elbow Extension M/M</b>	17 - 20,5 cm	19 - 22 cm	20 - 30 cm	18 - 24 cm	906MM-L	906MM-R
<b>Elbow Extension M/M with handle</b>	17 - 20,5 cm	19 - 22 cm	20 - 30 cm	18 - 24 cm	9061MM-L	9061MM-R
<b>Elbow Extension S/S</b>	17 - 20 cm	17,5 cm	15 - 21 cm	14 - 19 cm	906SS-L	906SS-R
<b>Elbow Extension S/S with handle</b>	17 - 20 cm	17,5 cm	15 - 21 cm	14 - 19 cm	9061SS-L	9061SS-R
<b>Elbow Extension XS/XS</b>	14 - 17 cm	14,5 cm	12 - 17 cm	12 - 14 cm	906XSXS-L	906XSXS-R
<b>Elbow Extension XS/XS with handle</b>	14 - 17 cm	14,5 cm	12 - 17 cm	12 - 14 cm	9061XSXS-L	9061XSXS-R

\*in combination with the respective shell sets

## Modules for individual assembly

	Name	Width	Art.-No. left	Art.-No. right
<b>Optional adjustable handle</b> with continuously adjustable immobilisation of the wrist between 70° pronation and 70° supination <b>Optional hand plate</b> with angle adjustment <b>Optional carrying strap</b>	<b>handle L</b>		991L-HL	991L-HR
	<b>handle S</b>		991S-HL	991S-HR
	<b>adjustable handle L</b>		993L-HL	993L-HR
	<b>adjustable handle S</b>		993S-HL	993S-HR
	<b>adjustable hand plate L</b>	10 cm	994L-HL	994L-HR
	<b>adjustable hand plate M</b>	8 cm	994M-HL	994M-HR
	<b>adjustable hand plate S</b>	6 cm	994S-HL	994S-HR
	<b>carrying strap L</b>			580-200-S
	<b>carrying strap S</b>			580-210-S

## Shell Sets Upper Arm

Size	Circumference of upper arm	left	right	Art.-No.
L/L	28 - 39 cm	•		822LL-L
			•	822LL-R
M/M	20 - 30 cm	•		822MM-L
			•	822MM-R
S/S	15 - 21 cm	•		822SS-L
			•	822SS-R
XS/XS	12 - 17 cm	•		822XSXS-L
			•	822XSXS-R



Dynamic splints

## Hinge Sets CDS® Elbow Brace Extension

Application	Length of upper arm shell medial*	Length of forearm shell medial*	left	right	Art.-No.
L/L	17 - 21 cm	20 - 24 cm	•		870-180-L
				•	870-180-R
M/M	17 - 20,5 cm	19 - 22 cm	•		870-180-L
				•	870-180-R
S/S	17 - 20 cm	17,5 cm	•		870-181-L
				•	870-181-R
XS/XS	14 - 17 cm	14,5 cm	•		870-182-L
				•	870-182-R



\*in combination with the respective shell sets

## Shell Sets Forearm

Size	Circumference of forearm	left	right	Art.-No.
L/L	22 - 30 cm	•		823LL-L
			•	823LL-R
M/M	18 - 24 cm	•		823MM-L
			•	823MM-R
S/S	14 - 19 cm	•		823SS-L
			•	823SS-R
XS/XS	12 - 14 cm	•		823XSXS-L
			•	823XSXS-R



# CDS® Elbow Brace Flexion

## Dynamic spring-loaded elbow orthosis

**Patents** EP 0 841 044 / US 5,954,677 / EP 3352713 / further patents pending

**Sizes**  This product is available in pediatric sizes

### Indications

- Joint contractures due to
  - vegetative state
  - cerebral palsy
  - genetic syndroms
  - epilepsy
  - spina bifida
  - near-drowning
  - burns
  - stroke
  - spinal injury
  - paralysis
  - craniocerebral injury
  - capsular ligament injury
  - surgery
  - before and after joint replacement
  - arthrosis and chronic polyarthritis
- treatment of biceps tendon rupture
- to prevent recurring constracures following arthrolysis

### Features

- activation of flexors and stretching of extensors
- spring tension individually adjustable
- spring tension can be switched on and off without tools and without varying the set spring tension
- adjustable shell- and strapsystem
- **CDS® Elbow Brace Flexion L/L, M/M:**
  - infinitely variable adjustment of the redression range between -15° bis +30°
- **CDS® Elbow Brace Flexion S/S, XS/XS with CDS® Nano Gelenk:**
  - adjustment of the redression range in 10° steps



### Mode of Operation

The CDS® Elbow Brace Flexion is based on the CDS®-principle and has been designed to treat an flexion deficit of the elbow. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The infinitely adjustable redression range up to -15° prevents harmful overstretching.

### Size chart and article numbers

Name	Length of upper arm shell medial*	Length of forearm shell medial*	Circumference of upper arm	Circumference of forearm	Art.-No. left	Art.-No. right
<b>Elbow Flexion L/L</b>	17 - 21 cm	20 - 24 cm	28 - 39 cm	22 - 30 cm	907LL-L	907LL-R
<b>Elbow Flexion L/L with handle</b>	17 - 21 cm	20 - 24 cm	28 - 39 cm	22 - 30 cm	9071LL-L	9071LL-R
<b>Elbow Flexion M/M</b>	17 - 20,5 cm	19 - 22 cm	20 - 30 cm	18 - 24 cm	907MM-L	907MM-R
<b>Ellbogen Flexion M/M with handle</b>	17 - 20,5 cm	19 - 22 cm	20 - 30 cm	18 - 24 cm	9071MM-L	9071MM-R
<b>Elbow Flexion S/S</b>	17 - 20 cm	17,5 cm	15 - 21 cm	14 - 19 cm	907SS-L	907SS-R
<b>Elbow Flexion S/S with handle</b>	17 - 20 cm	17,5 cm	15 - 21 cm	14 - 19 cm	9071SS-L	9071SS-R
<b>Elbow Flexion XS/XS</b>	14 - 17 cm	14,5 cm	12 - 17 cm	12 - 14 cm	907XSXS-L	907XSXS-R
<b>Elbow Flexion XS/XS with handle</b>	14 - 17 cm	14,5 cm	12 - 17 cm	12 - 14 cm	9071XSXS-L	9071XSXS-R

\*in combination with the respective shell sets

## Modules for individual assembly

	Name	Width	Art.-No. left	Art.-No. right
<b>Optional adjustable handle</b> with continuously adjustable immobilisation of the wrist between 70° pronation and 70° supination <b>Optional hand plate</b> with angle adjustment <b>Optional carrying strap</b>	<b>handle L</b>		991L-HL	991L-HR
	<b>handle S</b>		991S-HL	991S-HR
	<b>adjustable handle L</b>		993L-HL	993L-HR
	<b>adjustable handle S</b>		993S-HL	993S-HR
	<b>adjustable hand plate L</b>	10 cm	994L-HL	994L-HR
	<b>adjustable hand plate M</b>	8 cm	994M-HL	994M-HR
	<b>adjustable hand plate S</b>	6 cm	994S-HL	994S-HR
	<b>carrying strap L</b>			580-200-S
	<b>carrying strap S</b>			580-210-S

## Shell Sets Upper Arm

Size	Circumference of upper arm	left	right	Art.-No.
L/L	28 - 39 cm	•		822LL-L
			•	822LL-R
M/M	20 - 30 cm	•		822MM-L
			•	822MM-R
S/S	15 - 21 cm	•		822SS-L
			•	822SS-R
XS/XS	12 - 17 cm	•		822XSXS-L
			•	822XSXS-R



Dynamic splints

## Hinge Sets CDS® Elbow Brace Flexion

Application	Length of upper arm shell medial*	Length of forearm shell medial*	left	right	Art.-No.
L/L	17 - 21 cm	20 - 24 cm	•		870-190-L
				•	870-190-R
M/M	17 - 20,5 cm	19 - 22 cm	•		870-190-L
				•	870-190-R
S/S	17 - 20 cm	17,5 cm	•		870-191-L
				•	870-191-R
XS/XS	14 - 17 cm	14,5 cm	•		870-192-L
				•	870-192-R



\*in combination with the respective shell sets

## Shell Sets Forearm

Size	Circumference of forearm	left	right	Art.-No.
L/L	22 - 30 cm	•		823LL-L
			•	823LL-R
M/M	18 - 24 cm	•		823MM-L
			•	823MM-R
S/S	14 - 19 cm	•		823SS-L
			•	823SS-R
XS/XS	12 - 14 cm	•		823XSXS-L
			•	823XSXS-R



# CDS® Elbow Brace Duo

## Dynamic spring-loaded elbow orthosis

Patents DE 199 04 554 / EP 1 482 881 / US 7,083,583

### Indications

- Joint contractures due to
  - vegetative state
  - cerebral palsy
  - genetic syndroms
  - epilepsy
  - spina bifida
  - near-drowning
  - burns
  - stroke
  - spinal injury
  - paralysis
  - craniocerebral injury
  - capsular ligament injury
  - surgery
  - before and after joint replacement
  - arthrosis and chronic polyarthritis
- treatment of biceps tendon rupture
- to prevent recurring constracures following arthrolysis

### Features

- therapy in extension und flexion
- spring tension individually adjustable
- immobilisation function between -10° and +150°
- change-over point can be set between +46° and +92°Ind
- adjustable shell- and strapsystem



### Mode of Operation

The CDS® Elbow Brace Duo is based on the CDS®-principle and has been designed to treat an extension and flexion deficit of the elbow. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The infinitely adjustable redression range up to -15° prevents harmful overstretching.

### Size chart and article numbers

Name	Length of upper arm shell medial*	Length of forearm shell medial*	Circumference of upper arm	Circumference of forearm	Art.-No. left	Art.-No. right
Elbow Duo L/L	17 - 21 cm	20 - 24 cm	28 - 39 cm	22 - 30 cm	905LL-L	905LL-R
Elbow Duo L/L with handle	17 - 21 cm	20 - 24 cm	28 - 39 cm	22 - 30 cm	9051LL-L	9051LL-R
Elbow Duo M/M	17 - 20,5 cm	19,5 - 22 cm	20 - 30 cm	18 - 24 cm	905MM-L	905MM-R
Elbow Duo M/M with handle	17 - 20,5 cm	19,5 - 22 cm	20 - 30 cm	18 - 24 cm	9051MM-L	9051MM-R

\*in combination with the respective shell sets

Measurement chart on page 116

Other sizes available on request.



## Modules for individual assembly

	Name	Width	Art.-No. left	Art.-No. right
<b>Optional adjustable handle</b> with continuously adjustable immobilisation of the wrist between 70° pronation and 70° supination <b>Optional hand plate</b> with angle adjustment <b>Optional carrying strap</b>	handle L		991L-HL	991L-HR
	adjustable handle L		993L-HL	993L-HR
	adjustable hand plate L	10 cm	994L-HL	994L-HR
	adjustable hand plate M	8 cm	994M-HL	994M-HR
	adjustable hand plate S	6 cm	994S-HL	994S-HR
	carrying strap L		580-200-S	

## Shell Sets Upper Arm

Size	Circumference of upper arm	left	right	Art.-No.
L/L	28 - 39 cm	•		822LL-L
			•	822LL-R
M/M	20 - 30 cm	•		822MM-L
			•	822MM-R



## Hinge Sets CDS® Elbow Brace Duo

Size	Length of upper arm shell medial*	Length of forearm shell medial*	left	right	Art.-No.
L/L	17 - 21 cm	20 - 24 cm	•		870-185-L
				•	870-185-R
M/M	17 - 20,5 cm	19,5 - 22 cm	•		870-185-L
				•	870-185-R



\*in combination with the respective shell sets

## Shell Sets Forearm

Size	Circumference of forearm	left	right	Art.-No.
L/L	22 - 30 cm	•		823LL-L
			•	823LL-R
M/M	18 - 24 cm	•		823MM-L
			•	823MM-R



# CDS® Sup-Prosan

## Dynamic spring-loaded elbow orthosis

**Patents** EP 0 841 044 / US 5,954,677 / EP 3 352 713 / EP 3 146 944  
further patents pending

### Indications

- Joint contractures due to
  - surgery
  - conservative treatment of capsular ligament injury
  - burns
  - stroke
  - paralysis
  - craniocerebral injury
  - radius fracture
  - ulnafracture
  - radial head fracture
  - scaphoid fracture
  - before and after joint replacement
  - arthrosis and chronic polyarthritis
- treatment of biceps tendon rupture
- to prevent recurring constracures following arthrolysis

### Features

- therapy in Pro-/Supination
- individual adjustment of the spring tension
- spring tension can be switched on and off without tools and without varying the set spring tension
- adjustable hand plate
- infinitely variable adjustment of the redression range
- individual adjustment of shells and straps
- easy handling and high wearing comfort
- with carrying strap
- right supination can be easily changed to left pronation and left supination can be changed to right pronation.



### Mode of Operation

The CDS® Sup-Prosan is based on the CDS®-principle and has been designed to treat a pro- or supination deficit of the elbow. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The infinitely adjustable redression range up to -15° prevents harmful overstretching.

### Size chart and article numbers

Name	Length of upper arm shell medial*	Length of forearm shell medial*	Circumference of upper arm	Circumference of forearm	Width palm plate	Art.-No. left	Art.-No. right
<b>Sup-Prosan L/L Supination</b>	20 - 24 cm	21 - 36 cm	28 - 38 cm	27 - 36 cm	10 cm	908LL-L	908LL-R
<b>Sup-Prosan M/M Supination</b>	20 - 24 cm	21 - 36 cm	22 - 30 cm	20 - 30 cm	8 cm	908MM-L	908MM-R
<b>Sup-Prosan M/S Supination</b>	20 - 24 cm	21 - 36 cm	18 - 24 cm	16 - 26 cm	6 cm	908MS-L	908MS-R
<b>Sup-Prosan L/L Pronation</b>	20 - 24 cm	21 - 36 cm	28 - 38 cm	27 - 36 cm	10 cm	909LL-L	909LL-R
<b>Sup-Prosan M/M Pronation</b>	20 - 24 cm	21 - 36 cm	22 - 30 cm	20 - 30 cm	8 cm	909MM-L	909MM-R
<b>Sup-Prosan M/S Pronation</b>	20 - 24 cm	21 - 36 cm	18 - 24 cm	16 - 26 cm	6 cm	909MS-L	909MS-R

\* When only one upper arm shell is used the measurements are 12-14 cm for all orthoses.

\*\* Length lower arm from pivial point elbow to wrist.

## Modules for the modular assembly

### Shell Sets Sup-Prosan

Size	Circumference of upper arm	left	right	Art.-No.
L/L	28 - 38 cm	•		828LL-L
			•	828LL-R
M/M	22 - 30 cm	•		828MM-L
			•	828MM-R
M/S	18 - 24 cm	•		828MS-L
			•	828MS-R



### Hinge Sets CDS® Sup-Prosan

Application	Hinge Set	Length of upper arm shell medial*	Length of forearm shell medial*	left	right	Art.-No.
L/L M/M M/S	Hinge Set CDS® Supination left/ Pronation right	20 - 24 cm	21 - 36 cm	•	•	870-240
L/L M/M M/S	Hinge Set CDS® Supination right/ Pronation left	20 - 24 cm	21 - 36 cm	•	•	870-241



\* When only one upper arm shell is used the measurements are 12-14 cm for all orthoses.

\*\* Length lower arm from pivotal point elbow to wrist.

Dynamic  
splints

### Palm Plates

Application	Width	left	right	Art.-No.
L/L	10 cm	•	•	829L
M/M	8 cm	•	•	829M
S/S	6 cm	•	•	829S



### Carrying strap

	left	right	Art.-No.
L	•	•	580-200-S
S	•	•	580-210-S



# CDS® Wrist Brace Extension

## Dynamic spring-loaded wrist orthosis

**Patents** EP 0 841 044 / US 5,954,677 / DE 10 2015 012 320 / EP 3352713 / EP 3 146 944  
further patents pending

**Sizes**  This product is available in pediatric sizes.

### Indications

- Joint contractures due to
  - vegetative state
  - cerebral palsy
  - genetic syndroms
  - epilepsy
  - spina bifida
  - near-drowning
  - burns
  - stroke
  - spinal injury
  - paralysis
  - craniocerebral injury
  - capsular ligament injury
  - surgery
  - arthrosis and chronic polyarthritis
- to prevent recurring constracures following arthrolysis

### Features

- activation of the extensors and stretching of the flexors
- spring tension individually adjustable
- spring tension can be switched on and off without tools and without varying the set spring tension
- adjustable shell- and strapsystem
- handle angle adjustable according to course of treatment



Optionally with carrying strap.

### Mode of Operation

The CDS® Wrist Brace Extension is based on the CDS®-principle and has been designed to treat an extension deficit of the wrist. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The infinitely adjustable redression range up to -15° prevents harmful overstretching.

### Size chart and article numbers

Name	Length of forearm shell medial*	Circumference of forearm	Circumference of wrist	Width palm plate	Art.-No. left	Art.-No. right
<b>Wrist Extension L/L</b>	21 - 23,5 cm	22 - 30 cm	20 - 30 cm	10 cm	931LL-L	931LL-R
<b>Wrist Extension L/M</b>	21 - 23,5 cm	18 - 24 cm	16 - 26 cm	8 cm	931LM-L	931LM-R
<b>Wrist Extension L/S</b>	21 - 23,5 cm	14 - 19 cm	12 - 22 cm	6 cm	931LS-L	931LS-R
<b>Wrist Extension M/M</b>	17 - 19 cm	18 - 24 cm	16 - 26 cm	8 cm	931MM-L	931MM-R
<b>Wrist Extension S/S</b>	16 - 19 cm	14 - 19 cm	12 - 22 cm	6 cm	931SS-L	931SS-R
<b>Carrying strap L</b>	580-200-S					
<b>Carrying strap S</b>	580-210-S					

\*in combination with the respective shell sets

## Modules for the modular assembly

### Shell Sets Forearm

Size	Circumference of forearm	links	right	Art.-No.
L/XXL	28 - 38 cm	•		824LXXL-L
			•	824LXXL-R
L/XL	24 - 36 cm	•		824LXL-L
			•	824LXL-R
L/L	22 - 30 cm	•		824LL-L
			•	824LL-R
L/M	18 - 24 cm	•		824LM-L
			•	824LM-R
L/S	14 - 19 cm	•		824LS-L
			•	824LS-R
M/M	18 - 24 cm	•		824MM-L
			•	824MM-R
S/S	14 - 19 cm	•		824SS-L
			•	824SS-R



### Hinge Sets CDS® Wrist Extension

Application	Hinge Set	Length of forearm shell medial*	left	right	Art.-No.
L/XXL L/XL L/L L/M L/S	Hinge Set CDS® Wrist Extension L	21 - 23,5 cm	•		870-200-L
				•	870-200-R
M/M	Hinge Set CDS® Wrist Extension M	17 - 19 cm	•		870-210-L
				•	870-210-R
S/S	Hinge Set CDS® Wrist Extension S	16 - 19 cm	•		870-210-L
				•	870-210-R

\*in combination with the respective shell sets



### Palm Plates

Size	Width palm plate	left	right	Art.-No.
L plus*	10 cm	•		827L-PL
			•	827L-PR
L	10 cm	•		827L-L
			•	827L-R
M	8 cm	•		827M-L
			•	827M-R
S	6 cm	•		827S-L
			•	827S-R



\* Like palm plate L, only with wide finger plating.


# CDS® Wrist Brace Flexion

## Dynamic spring-loaded wrist orthosis

### Patents

EP 0 841 044 / US 5,954,677 / DE 10 2015 012 320 / EP 3352713 / EP 3 146 944  
further patents pending

### Sizes

 This product is available in pediatric sizes.

### Indications

- Joint contractures due to
  - vegetative state
  - cerebral palsy
  - genetic syndroms
  - epilepsy
  - spina bifida
  - near-drowning
  - burns
  - stroke
  - spinal injury
  - paralysis
  - craniocerebral injury
  - capsular ligament injury
  - surgery
  - arthrosis and chronic polyarthritis
- to prevent recurring constracures following arthrolysis

### Features

- activation of flexors and stretching of extensors
- spring tension individually adjustable
- spring tension can be switched on and off without tools and without varying the set spring tension
- adjustable shell- and strapsystem
- handle angle adjustable according to course of treatment



Optionally with carrying strap.

### Mode of Operation

The CDS® Wrist Brace Flexion is based on the CDS®-principle and has been designed to treat an flexion deficit of the wrist. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The infinitely adjustable redression range up to -15° prevents harmful overstretching.

### Size chart and article numbers

Name	Length of forearm shell medial*	Circumference of forearm	Circumference of wrist	Width palm plate	Art.-No. left	Art.-No. right
<b>Wrist Flexion L/L</b>	21 - 23,5 cm	22 - 30 cm	20 - 30 cm	10 cm	932LL-L	932LL-R
<b>Wrist Flexion L/M</b>	21 - 23,5 cm	18 - 24 cm	16 - 26 cm	8 cm	932LM-L	932LM-R
<b>Wrist Flexion L/S</b>	21 - 23,5 cm	14 - 19 cm	12 - 22 cm	6 cm	932LS-L	932LS-R
<b>Wrist Flexion M/M</b>	17 - 19 cm	18 - 24 cm	16 - 26 cm	8 cm	932MM-L	932MM-R
<b>Wrist Flexion S/S</b>	16 - 19 cm	14 - 19 cm	12 - 22 cm	6 cm	932SS-L	932SS-R
<b>carrying strap L</b>	580-200-S					
<b>carrying strap S</b>	580-210-S					

\*in combination with the respective shell sets

## Modules for the modular assembly

### Shell Sets Forearm

Size	Circumference of forearm	left	right	Art.-No.
L/XXL	28 - 38 cm	•		824LXXL-L
			•	824LXXL-R
L/XL	24 - 36 cm	•		824LXL-L
			•	824LXL-R
L/L	22 - 30 cm	•		824LL-L
			•	824LL-R
L/M	18 - 24 cm	•		824LM-L
			•	824LM-R
L/S	14 - 19 cm	•		824LS-L
			•	824LS-R
M/M	18 - 24 cm	•		824MM-L
			•	824MM-R
S/S	14 - 19 cm	•		824SS-L
			•	824SS-R



### Hinge Sets CDS® Wrist Flexion

Application	Hinge Set	Length of forearm shell medial*	left	right	Art.-No.		
L/XXL L/XL L/L L/M L/S	Hinge Set CDS® Wrist Extension L	21 - 23,5 cm	•		870-200-L		
				•	870-200-R		
M/M			Hinge Set CDS® Wrist Extension M	17 - 19 cm	•		870-210-L
						•	870-210-R
S/S			Hinge Set CDS® Wrist Extension S	16 - 19 cm	•		870-210-L
		•			870-210-R		



\*in combination with the respective shell sets

### Palm Plates

Size	Width palm plate	left	right	Art.-No.
L plus*	10 cm	•		827L-PL
			•	827L-PR
L	10 cm	•		827L-L
			•	827L-R
M	8 cm	•		827M-L
			•	827M-R
S	6 cm	•		827S-L
			•	827S-R



\* Like palm plate L, only with wide finger plating.

# CDS® Wrist Brace Duo

## Dynamic spring-loaded wrist orthosis

Patents DE 199 04 554 / EP 1 482 881 / US 7,083,583 / DE 10 2015 012 320 / EP 3 146 944

### Indications

- Joint contractures due to
  - vegetative state
  - cerebral palsy
  - genetic syndroms
  - epilepsy
  - spina bifida
  - near-drowning
  - burns
  - stroke
  - spinal injury
  - paralysis
  - craniocerebral injury
  - capsular ligament injury
  - surgery
  - arthrosis and chronic polyarthritis
- to prevent recurring constracures following arthrolysis

### Features

- Ttherapy in extension und flexion
- spring tension individually adjustable
- immobilisation function between -10° and +150°
- change-over point can be set between +46° and +92°
- adjustable shell- and strapsystem
- handle angle adjustable according to course of treatment

Optionally with carrying strap.

### Mode of Operation

The CDS® Wrist Brace Duo is based on the CDS®-principle and has been designed to treat an extension and flexion deficit of the wrist. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The infinitely adjustable redression range up to -15° prevents harmful overstretching.



### Size chart and article numbers

Name	Length of forearm shell medial*	Circumference of forearm	Circumference of wrist	Width palm plate	Art.-No. left	Art.-No. right
Wrist Duo L/L	21 - 23,5 cm	22 - 30 cm	20 - 30 cm	10 cm	930LL-L	930LL-R
Wrist Duo L/M	21 - 23,5 cm	18 - 24 cm	16 - 26 cm	8 cm	930LM-L	930LM-R
Wrist Duo L/S	21 - 23,5 cm	14 - 19 cm	12 - 22 cm	6 cm	930LS-L	930LS-R
carrying strap L	580-200-S					
carrying strap S	580-210-S					

\*in combination with the respective shell sets



## Modules for the modular assembly

### Shell Sets Forearm

Size	Circumference of forearm	left	right	Art.-No.
L/XXL	28 - 38 cm	•		824LXXL-L
			•	824LXXL-R
L/XL	24 - 36 cm	•		824LXL-L
			•	824LXL-R
L/L	22 - 30 cm	•		824LL-L
			•	824LL-R
L/M	18 - 24 cm	•		824LM-L
			•	824LM-R
L/S	14 - 19 cm	•		824LS-L
			•	824LS-R



### Hinge CDS® wrist Brace Duo

Application	Length of forearm shell medial*	left	right	Art.-No.
L/XXL, L/XL, L/L, L/M, L/S	21 - 23,5 cm	•	•	870-215



\*in combination with the respective shell sets

Dynamic  
splints

### Palm Plates

Size	Width palm plate	left	right	Art.-No.
L plus*	10 cm	•		827L-PL
			•	827L-PR
L	10 cm	•		827L-L
			•	827L-R
M	8 cm	•		827M-L
			•	827M-R
S	6 cm	•		827S-L
			•	827S-R



\* Like palm plate L, only with wide finger plating.

# CDS® Manusan

## Finger- and Wrist Brace

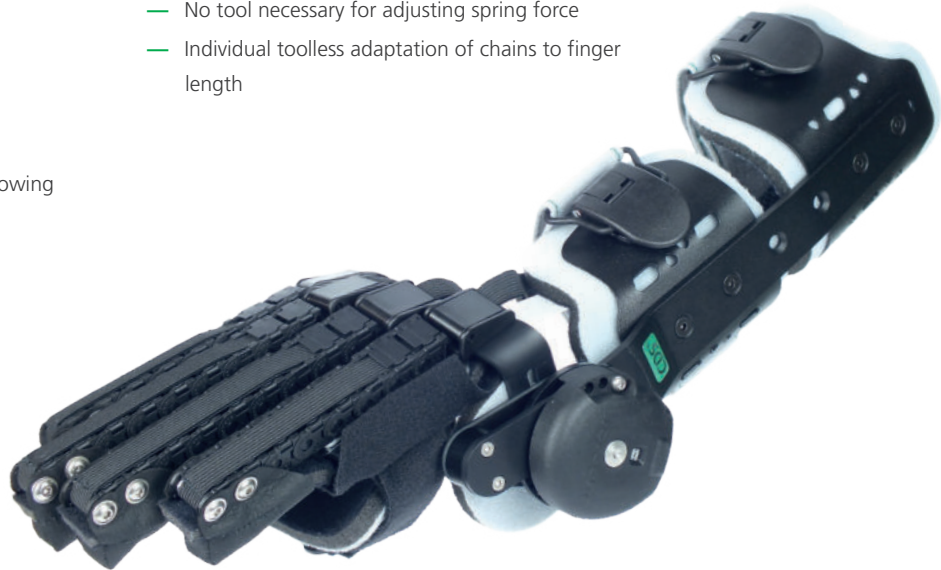
**Patents** EP 0 841 044 / US 5,954,677 / EP 3 352 713 / EP 3 421 016 / further patents pending

### Indications

- Joint contractures due to
  - vegetative state
  - cerebral palsy
  - genetic syndroms
  - epilepsy
  - spina bifida
  - near-drowning
  - burns
  - stroke
  - spinal injury
  - paralysis
  - craniocerebral injury
  - capsular ligament injury
  - surgery
  - arthrosis and chronic polyarthritis
- cut injury
- tendon suture
- Morbus Dupuytren
- to prevent recurring constracures following arthrolysis

### Features

- Therapy in extension
- Individual adjustment of the spring tension
- Spring tension can be switched on and off without tools and without varying the set spring tension
- Adjustment of the redression range in 15° steps
- Optimized shell- and strapsystem
- High wearing comfort thanks to air-permeable, light aluminium shell elements
- High flexibility thanks to adjustable shell elements
- Adjustable hand plate
- No tool necessary for adjusting spring force
- Individual toolless adaptation of chains to finger length



### Mode of Operation

The CDS® Manusan functions according to the CDS®-principle and has been designed to treat an flexion deficit of the fingers and wrist. Active use trains the appendicular finger muscles. Passive use stimulates growth of contracted tissue due to continuous dynamic tension.

### Size chart and article numbers

Name	Circumference of wrist	Width Palm plate	Art.-No. left	Art.-No. right
CDS® Manusan L/L	22 - 30 cm	10 cm	960LL-L	960LL-R
CDS® Manusan M/M	18 - 24 cm	9 cm	960MM-L	960MM-R

Measurement chart on page 116

Other sizes available on request.

## Finger Brace

**Patents** EP 3 421 016

### Indications

- Joint contractures due to
  - burns
  - stroke
  - spinal injury
  - paralysis
  - craniocerebral injury
  - surgery
  - arthrosis and chronic polyarthritis
- cut injury
- tendon suture
- Morbus Dupuytren
- to prevent recurring contractures following arthrolysis

### Features

- Extension and flexion therapy
- Individually adjustable spring force
- Individually adjustable shell and strap system
- Easy handling and comfortable in use
- Adjustable hand plate
- No tool necessary for adjusting spring force
- Individual toolless adaptation of chains to finger length



Dynamic splints

### Mode of Operation

The **Manusan** is used to treat an extension deficit of the finger joints. Active use trains the appendicular finger muscles. Passive use stimulates growth of contracted tissue due to continuous dynamic tension.

### Size chart and article numbers

Name	Circumference	Width Palm plate	Art.-No. left	Art.-No. right
<b>Manusan L/L</b>	22 - 30 cm	10 cm	955LL-L	955LL-R
<b>Manusan M/M</b>	18 - 24 cm	9 cm	955MM-L	955MM-R
<b>Thumb element</b>				956

Measurement chart on page 116

Other sizes available on request.

## Dynamic spring-loaded Hallux Valgus orthosis

**Patents** DE 10 2008 049 854

**Sizes**  This product is available in pediatric sizes

### Indications

- conservative treatment of moderate cases of hallux valgus as well as preventive treatment
- pre-surgical treatment in order to prepare the soft tissue for surgery
- post-surgical treatment in order to stabilize the surgery result

### Features

- therapy in the physiological position of the big toe
- **pain reduction**
- individual adjustment of the tension spring without tools
- individual adjustment of the straps
- easy handling and high wearing comfort
- available in four colours

**Optionally** available with a pair of socks.



### Mode of Operation

The halluxsan® is based on the CDS®-principle and has been designed to treat the Hallux Valgus. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue.



### Size chart and article numbers

colours	Art.-No. left	Art.-No. right	EU-shoe size	Art.-No. Socks left and right
green	940A-L	940A-R	35 - 38	70001
black	940AS-L	940AS-R	39 - 42	70002
pink	940AP-L	940AP-R	43 - 46	70003
grey	940AG-L	940AG-R		

Measurement chart on page 116



Dynamic splints

# Combination Brace CDS® Knee / Ankle

## Dynamic spring-loaded knee/ ankle orthosis

**Patents** EP 0 841 044 / US 5,954,677 / EP 3 352 713 / further patents pending

**Sizes**  This product is available in pediatric sizes.

### Indications

- Joint contractures due to
  - vegetative state
  - cerebral palsy
  - genetic syndroms
  - epilepsy
  - spina bifida
  - near-drowning
  - burns
  - stroke
  - spinal injury
  - paralysis
  - craniocerebral injury
  - capsular ligament injury
  - surgery
  - before and after joint replacement
  - arthrosis and chronic polyarthritis
- to prevent recurring constracures following artholysis
- rupture of muscle fibre in the quadriceps
- patella tendon tear
- quadriceps weakness
- conservative, post-surgical for all indications that contrindicate active flexion of the knee
- spasticity following surgery on the central nervous system
- hereditary spastic paraparesis
- muscular dystrophy
- arthrogryposis multiplex congenita
- pointed toe

### Features

- fast disconnection and reconnection of the elements by Coniungi
- variable length between pivotal points
- infinetly variable adjustment of the redression range between -15° and +30°
- adjustable foot rotation - 5° exterior rotation-, 5° interior rotation
- therapy in dorsal extension (ankle)
- therapie in extension (knee)
- height adjsutment of the pivotal point of the ankle
- spring tension can be switched on and off without tools and without varyingthe set spring tension
- individually adjustable shell and strap system



### Mode of Operation

The combination brace CDS® Knee/Ankle is based on the CDS®-principle and has been designed to treat an extension deficit in the knee and a flexion deficit in the ankle. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue.

### Size chart and article numbers

Name	Art.-No. left	Art.-No. right
Combination Brace CDS® Knee/Ankle	980C-L	980C-R
Combination Brace CDS® Knee/Ankle Junior	980CN-L	980CN-R

# Combination Brace CDS® Elbow / Wrist

## Dynamic spring-loaded elbow / wrist orthosis

**Patents** EP 0 841 044 / US 5,954,677 / EP 3 352 713 / further patents pending

**Sizes**  This product is available in pediatric sizes

### Indications

- Joint contractures due to
  - surgery
  - conservative treatment of capsular ligament injury
  - stroke
  - paralysis
  - craniocerebral injury
  - burns
  - before and after joint replacement
  - arthrosis and chronic polyarthritis
- to prevent recurring contractures following arthrolysis
- spasticity following surgery on the central nervous system
- muscle dystrophy

### Features

- fast disconnection and reconnection of the elements by Coniungi
- variable length between pivotal points
- therapy in extension (knee)
- therapy in dorsal extension (ankle)
- infinitely variable adjustment of the redression range between -15° and +30°
- spring tension can be switched on and off without tools and without varying the set spring tension
- individually adjustable shell and strap system



Dynamic splints

### Mode of Operation

The combination brace CDS® Elbow/Wrist is based on the CDS®-principle and has been designed to treat an extension deficit in elbow and wrist. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue.

### Size chart and article numbers

Name	Art.-No. left	Art.-No. right
Combination Brace CDS® Elbow/Wrist	981C-L	981C-R
Combination Brace CDS® Elbow/Wrist Junior	981CN-L	981CN-R

# Individual

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albrecht Individual hinges allow you to find truly individual solutions for your patients.



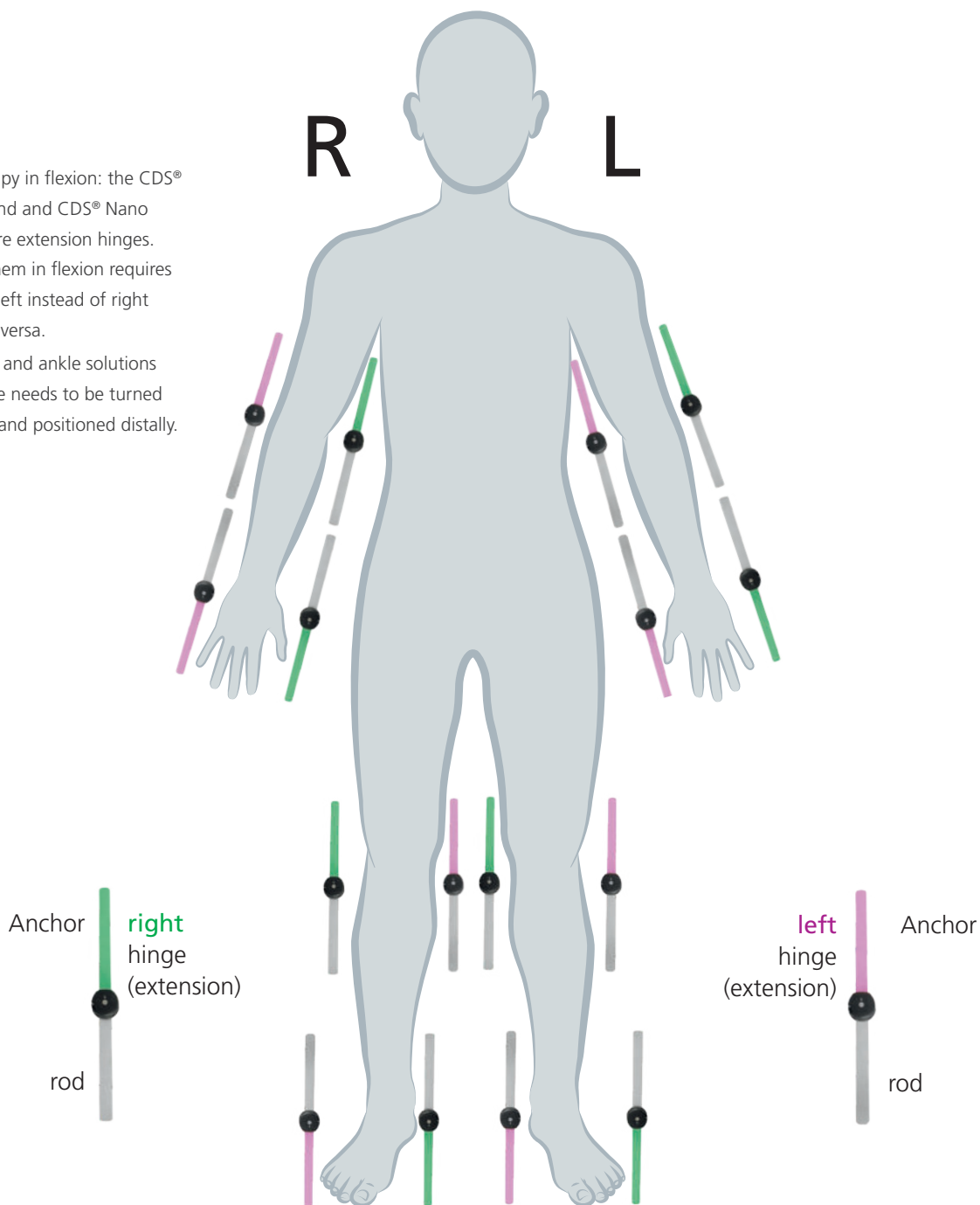


# Individual hinge finder

for CDS® hinges and CDS® Nano hinges

## Note

- For therapy in flexion: the CDS® hinges and CDS® Nano hinges are extension hinges. To use them in flexion requires choosing left instead of right and vice versa.
- For wrist and ankle solutions the hinge needs to be turned by 180° and positioned distally.



## Material and width

	CDS® (3 mm thickness)		
aluminium	20 mm	24 mm	
steel (VA)	16 mm	20 mm	24 mm

	CDS® Nano (2 mm thickness)		
aluminium	16 mm		
steel (VA)	16 mm		

# Hinge Selection

## Patents

EP 0 841 044 / US 5,954,677 / EP 3 352 713 / DE 10 2008 049 854  
DE 10 2015 012 320 / EP 314 6944 / further patents pending

	width	knee		ankle	
		left/lat. right/med.	right/lat. left/med.	left/lat. right/med.	right/lat. left/med.
<b>CDS® hinge 360° VA</b>	16 mm	812-200-L	812-200-R	812-200-R	812-200-L
	20 mm	812-205-L	812-205-R	812-205-R	812-205-L
	24 mm	812-210-L	812-210-R	812-210-R	812-210-L
<b>CDS® hinge 360° Alu</b>	20 mm	812-235-L	812-235-R	812-235-R	812-235-L
	24 mm	812-240-L	812-240-R	812-240-R	812-240-L
<b>CDS® Adapter hinge 360° VA</b>	16 mm	812-250-L	812-250-R	812-250-R	812-250-L
	20 mm	812-255-L	812-255-R	812-255-R	812-255-L
	24 mm	812-260-L	812-260-R	812-260-R	812-260-L
<b>CDS® Adapter hinge 360° Alu</b>	20 mm	812-285-L	812-285-R	812-285-R	812-285-L
	24 mm	812-290-L	812-290-R	812-290-R	812-290-L
<b>CDS® hinge 360° plus VA</b>	16 mm	812-300-L	812-300-R	812-300-R	812-300-L
	20 mm	812-305-L	812-305-R	812-305-R	812-305-L
	24 mm	812-310-L	812-310-R	812-310-R	812-310-L
<b>CDS® hinge 360° plus Alu</b>	20 mm	812-335-L	812-335-R	812-335-R	812-335-L
	24 mm	812-340-L	812-340-R	812-340-R	812-340-L
<b>CDS® Adapter hinge 360° plus VA</b>	16 mm	812-350-L	812-350-R	812-350-R	812-350-L
	20 mm	812-355-L	812-355-R	812-355-R	812-355-L
	24 mm	812-360-L	812-360-R	812-360-R	812-360-L
<b>CDS® Adapter hinge 360° plus Alu</b>	20 mm	812-385-L	812-385-R	812-385-R	812-385-L
	24 mm	812-390-L	812-390-R	812-390-R	812-390-L
<b>CDS® Nano hinge VA</b>	16 mm	812-100-L	812-100-R	812-100-R	812-100-L
<b>CDS® Nano hinge Alu</b>	16 mm	812-130-L	812-130-R	812-130-R	812-130-L
<b>CDS® Nano Adapter hinge VA</b>	16 mm	812-150-L	812-150-R	812-150-R	812-150-L
<b>CDS® Nano Adapter hinge Alu</b>	16 mm	812-180-L	812-180-R	812-180-R	812-180-L

## Casting options

### Hinge

Hinges are attached to the rods and may be riveted to a cast.

CDS® hinge 360° with  
CDS® Anchor straight



CDS® Nano hinge with  
CDS® Nano Anchor straight



### Adapter hinge

Adapter hinges may be removed from the rods so they can be poured into the cast.

CDS® adapter hinge 360° with  
CDS® adapter Anchor



CDS® Nano adapter hinge with  
CDS® Nano adapter Anchor



elbow		wrist		Anchor			
left/lat. right/med.	right/lat. left/med.	left/lat. right/med.	right/lat. left/med.	Anchor straight	V-short V-long	T-short T-long	Nano Anchor straight 16 mm slot
812-200-R 812-205-R 812-210-R	812-200-L 812-205-L 812-210-L	812-200-R 812-205-R 812-210-R	812-200-L 812-205-L 812-210-L	813-440-S 813-445-S 813-450-S	- 813-400-S	813-405-S 813-410-S	
812-235-R 812-240-R	812-235-L 812-240-L	812-235-R 812-240-R	812-235-L 812-240-L	813-475-S 813-480-S	- 813-420-S	813-425-S 813-430-S	
812-250-R 812-255-R 812-260-R	812-250-L 812-255-L 812-260-L	812-250-R 812-255-R 812-260-R	812-250-L 812-255-L 812-260-L	813-500-S 813-505-S 813-510-S	- 813-400-S	813-405-S 813-410-S	
812-285-R 812-290-R	812-285-L 812-290-L	812-285-R 812-290-R	812-285-L 812-290-L	813-535-S 813-540-S	- 813-420-S	813-425-S 813-430-S	
812-300-R 812-305-R 812-310-R	812-300-L 812-305-L 812-310-L	812-300-R 812-305-R 812-310-R	812-300-L 812-305-L 812-310-L	813-440-S 813-445-S 813-450-S	- 813-400-S	813-405-S 813-410-S	
812-335-R 812-340-R	812-335-L 812-340-L	812-335-R 812-340-R	812-335-L 812-340-L	813-475-S 813-480-S	- 813-420-S	813-425-S 813-430-S	
812-350-R 812-355-R 812-360-R	812-350-L 812-355-L 812-360-L	812-350-R 812-355-R 812-360-R	812-350-L 812-355-L 812-360-L	813-500-S 813-505-S 813-510-S	- 813-400-S	813-405-S 813-410-S	
812-385-R 812-390-R	812-385-L 812-390-L	812-385-R 812-390-R	812-385-L 812-390-L	813-535-S 813-540-S	- 813-420-S	813-425-S 813-430-S	
812-100-R	812-100-L	812-100-R	812-100-L	813-160-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
812-130-R	812-130-L	812-130-R	812-130-L	813-170-S	813-130-S -	813-135-S 813-140-S	813-175-S
812-150-R	812-150-L	812-150-R	812-150-L	813-190-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
812-180-R	812-180-L	812-180-R	812-180-L	813-195-S	813-130-S -	813-135-S 813-140-S	813-175-S

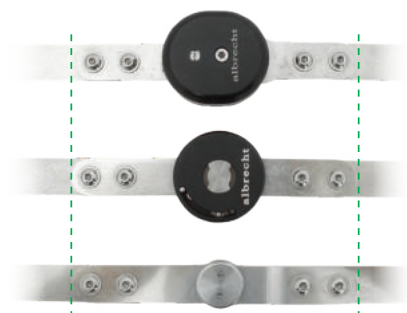
+

Individual

The CDS® adapter hinge and CDS® adapter stabiliser may be interchanged.



The CDS® Nano adapter hinge, ROM Nano adapter hinge and CDS® adapter stabiliser may be interchanged.



# CDS® Hinge 360°

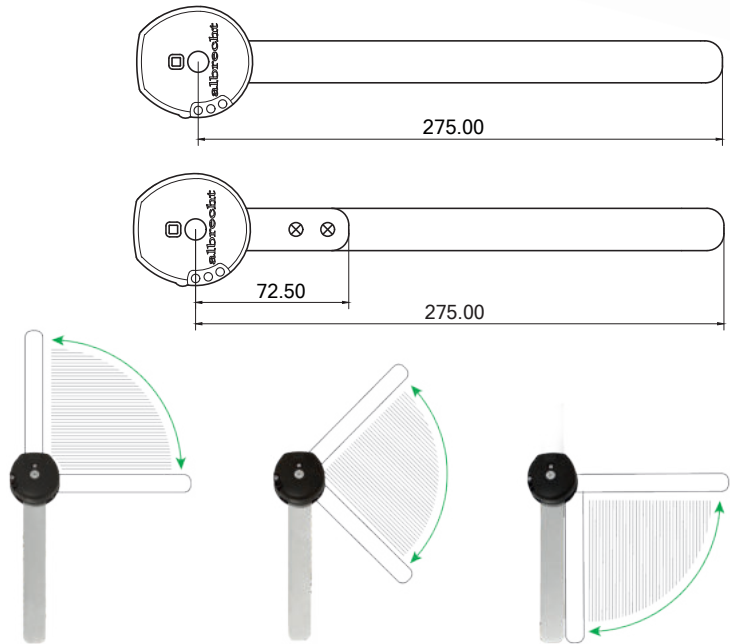


## Features

- individual adjustment of the spring tension up to 5,2 Nm
- spring tension can be switched on and off without tools and without varying the tension setting
- range of motion can be limited
- immobilisation is possible

## CDS® Hinge 360°

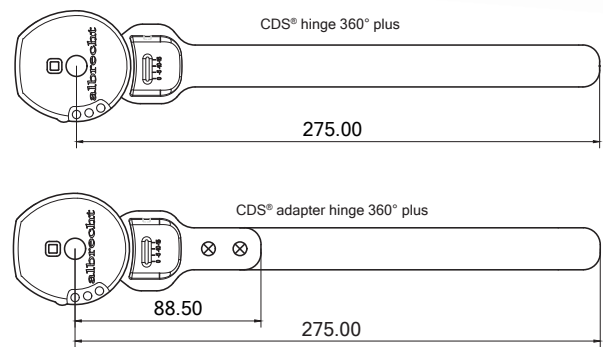
- the redression range may be adjusted in 15° increments
- 90° redression range can be positioned freely
- for therapy in extension and flexion
- for treatment of severe extension and flexion deficits



# CDS® Hinge 360° plus



The PLUS hinges include a fine adjustment option. Fine adjustment allows for the infinitely variable adjustment of the redression range. The redression range may also be extended to -15° for hyperextension.

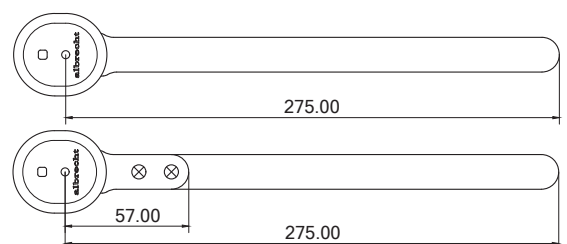


# CDS® Nano Hinge



## Features

- individual adjustment of the spring tension up to 2,2 Nm
- spring tension can be switched on and off without tools and without varying the spring tension
- the redression range can be adjusted in 10° increments



# CDS® Nano Hybrid Hinge

## Features

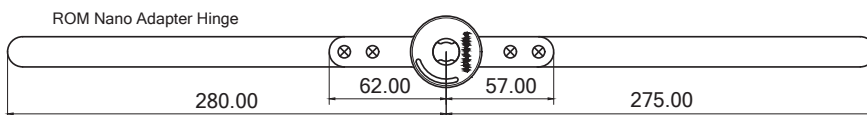
- optimised for additive manufacturing
- hexagon base for better grip
- STL-data file available upon request



## Article number

Name	Art.-No. left	Art.-No. right
CDS® Nano Hybrid hinge 16 mm Alu	811-900-S	811-901-S

# ROM Nano Adapter Hinge



## Features

- limits may be adjusted without tools
- extension limit may be adjusted between  $-10^\circ$  and  $100^\circ$  in  $10^\circ$  increments
- flexion limits may be adjusted between  $0^\circ$  and  $130^\circ$  in  $10^\circ$  increments
- immobilisation is possible between  $-10^\circ$  and  $100^\circ$  in  $10^\circ$  increments

## Article numbers

Name	Art.-No. left	Art.-No. right
ROM Nano Adapter hinge VA	811-110-S	811-111-S
ROM Nano Adapter hinge Alu	811-100-S	811-101-S

# CDS® Micro Hinge

## Features

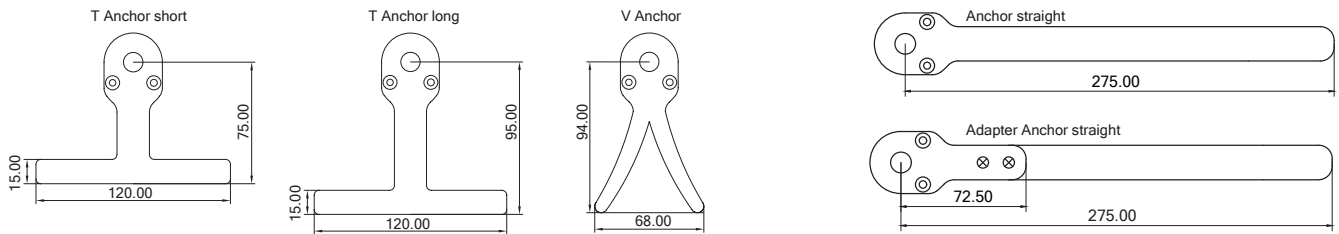
- individual adjustment of the spring tension
- Max. torque: 0,43 Nm

## Article number

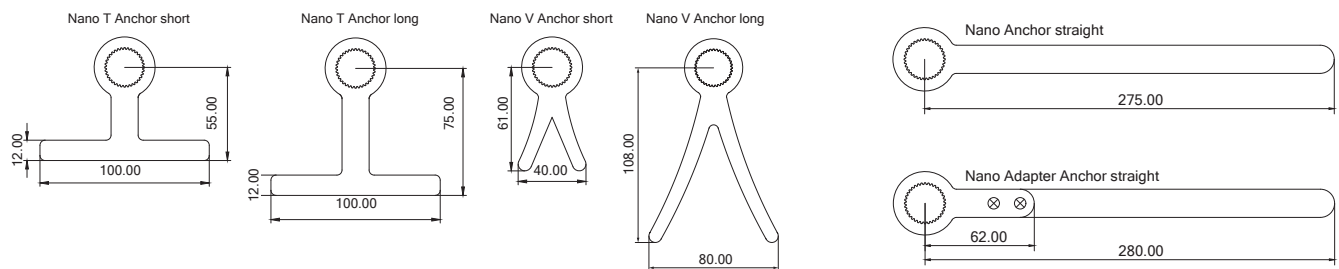
Name	Art.-No.
CDS® Mikro hinge	840-500-S



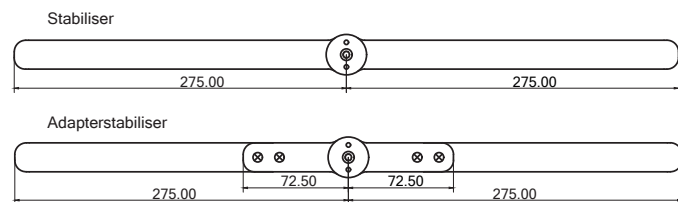
# Anchor for CDS® Hinges



# Anchor for CDS® Nano Hinges



# CDS® Stabiliser



Stabilisers may be selected according to the chosen hinge.

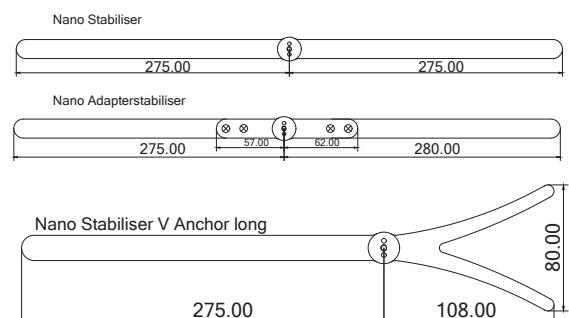
Stabiliser	Art.-No.
CDS® stabiliser 16 mm VA	830-180-S
CDS® stabiliser 20 mm VA	830-160-S
CDS® stabiliser 24 mm VA	830-110-S
CDS® stabiliser 20 mm Alu	830-150-S
CDS® stabiliser 24 mm Alu	830-100-S

CDS® adapter stabiliser 16 mm VA	830-280-S
CDS® adapter stabiliser 20 mm VA	830-260-S
CDS® adapter stabiliser 24 mm VA	830-210-S
CDS® adapter stabiliser 20 mm Alu	830-250-S
CDS® adapter stabiliser 24 mm Alu	830-200-S

# CDS® Nano Stabiliser

Nano stabilisers may be selected according to the chosen hinge.

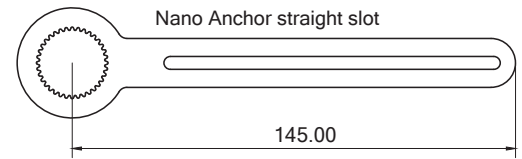
Mitläufer	Art.-No.
CDS® Nano stabiliser VA	830-195-S
CDS® Nano stabiliser V Anchor long VA	830-196-S
CDS® Nano stabiliser Alu	830-190-S
CDS® Nano adapter stabiliser VA	830-295-S
CDS® Nano adapter stabiliser Alu	830-290-S



# CDS® Nano Anchor straight slot

☎ 00800 03032900

CDS® Nano Anchor straight	Art.-No.
CDS® Nano Anchor straight 16 mm slot VA	813-165-S
CDS® Nano Anchor straight 16 mm slot Alu	813-175-S



## Hand Piece Nano

Hand piece	Art.-No. left	Art.-No. right
Hand piece L plus width 10 cm	827LN-PL	827LN-PR
Hand piece L width 10 cm	827LN-L	827LN-R
Hand piece M width 8 cm	827MN-L	827MN-R
Hand piece S width 6 cm	827SN-L	827SN-R



## Coniungi

Connecting unit for quick disconnection and re-connection of two components.

### Disconnect Coniungi:

Pull the elements apart while pushing the bolt.

### Reconnect Coniungi:

Push the elements into one another.



connecting unit Coniungi	Art.-No.
connecting unit Coniungi 16 mm	814-100-S
connecting unit Coniungi 24 mm	814-120-S

### Coniungi with connecting rod



connecting unit Coniungi with rod	Art.-No.
connecting unit Coniungi with rod 16 mm	814-300-S
connecting unit Coniungi with rod 24 mm	814-320-S

## Balancer

The balancer enables the correct positioning of the hinges.

Name	Art.-No.
CDS® Balancer	860-100-S
Alignment Set Replacement Kit	860-180-S
Adjustable face wrench	280-044-S
Spiral drill HSS/E DIN338 Typ N 3,2	280-076-S
Spiral drill HSS/E DIN338 Typ N 4,2	280-077-S



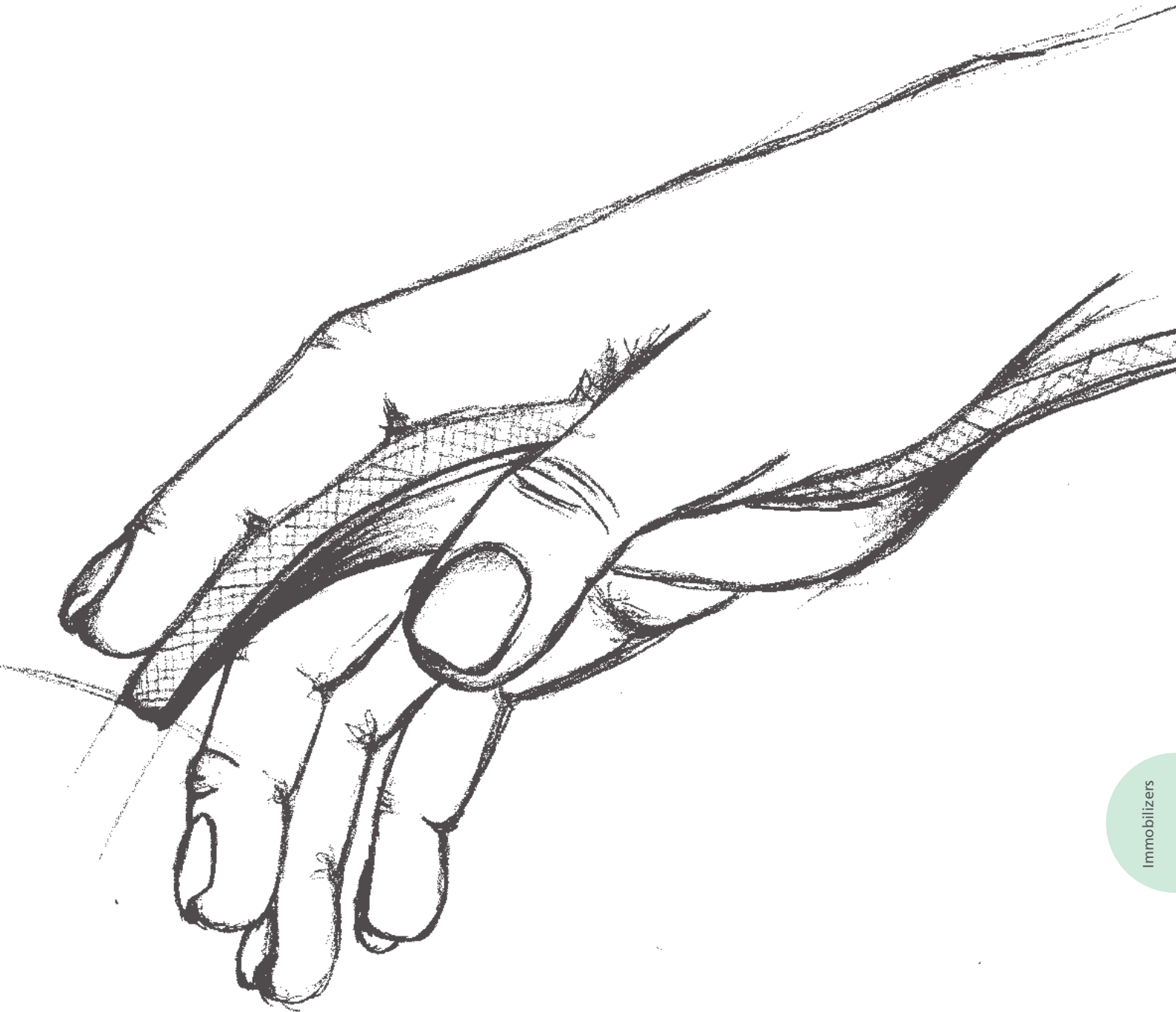




# Immobilizers

☎ 00800 03032900

Orthoses to immobilize during rehabilitation



# Immobilizer (foot)

## Brace to immobilize the foot

### Indications

- Post-surgical to immobilize
- Post-surgical after achill tendon surgery
- Shortening of the plantar fascia
- Prophylaxis against talipedes equinus
- Pain from overstrain

### Features

- Simple alternative to wearing a cast
- Rigid shell made from PE with skinfriendly padding
- Broad velcro straps for fixation
- Adjustable angle

**Optionally** also available as foot splint without padding and straps.

Foot splint →  
(without padding  
and straps)



### Mode of Operation

The **foot immobilizer** supports the treatment of the adult foot and is used to immobilize the foot.

### Size chart and article numbers

#### Immobilizer

Size	EU-shoe size	Sole Length	Art.-No.
<b>S</b>	36 - 39	25 cm	37-4051
<b>M</b>	40 - 43	27 cm	37-4052
<b>L</b>	44 - 47	30 cm	37-4053

#### Foot Splint

Size	EU-shoe size	Sole Length	Art.-No.
<b>S</b>	36 - 39	25 cm	37-4051S
<b>M</b>	40 - 43	27 cm	37-4052S
<b>L</b>	44 - 47	30 cm	37-4053S

Measurement chart on page 116

Other sizes available on request.



# Immobilizer (elbow)

☎ 00800 03032900

## Brace to immobilize the elbow

### Indications

- Post-surgical
- Paralysis
- Inflammatory rheumatic conditions

### Features

- Simple alternative to wearing a cast
- Rigid shell made from PE with skinfriendly padding
- Broad velcro straps for fixation
- Physiological flexion angle of 58°

**Optionally** also available as elbow splint without padding and straps.

Elbow splint →  
(without padding and straps)



### Mode of Operation

The **elbow immobilizer** supports the treatment of the adult elbow and is used to immobilize the elbow.

### Size chart and article numbers

#### Immobilizer

Size	Length of upper arm medial	Length of forearm medial	Art.-No.
S	18 cm	18 cm	37-2091
M	20 cm	20 cm	37-2092
L	22 cm	22 cm	37-2093

#### Elbow Splint

Size	Length of upper arm medial	Length of forearm medial	Art.-No.
S	18 cm	18 cm	37-2091S
M	20 cm	20 cm	37-2092S
L	22 cm	22 cm	37-2093S

Measurement chart on page 116



# Arm sling

## Shoulder brace for immobilisation in defined position

### Indications

- preoperative
- postoperative
- posttraumatic
- subcapital fracture of the humerus when adequate fixation with strapping is not possible.

### Features

- Partially elastic bandage material
- Individually adjustable strap



### Mode of Operation

The **Arm Sling** is a brace to immobilise the shoulder in defined position. Shoulder immobilisation braces are made of strong textile support material, with Velcro fasteners. An appropriate strap restricts shoulder mobility in a defined position or immobilises the shoulder.

### Size chart and article numbers

Size	Lenght of Arm sling	Art.-No.
<b>S</b>	38 cm	37-6000
<b>M</b>	44 cm	37-6001
<b>L</b>	50 cm	37-6002

Measurement chart on page 116

Other sizes available on request.

# Toe plate

☎ 00800 03032900

Product requiring individual adjustment by a technician

## Indications

- Post-surgical fixation

## Features

- Stable alternative to toe slings
- Rigid shell made out of PE
- Snuggly velours strap
- Individual fixation



Individual cord set  
toe plate

## Mode of Operation

The **Toe plate** assists treatment in the application area of the foot. It is used to immobilize the toes.

## Size chart and article numbers

Nmae	Art.-No.
Toe plate with cord	37-8000
Toe plate with strap	37-8500
Individual cord set toe plate	770-026-S

# Aluminium Finger Splint\*

## Padded finger splint

### Indications

- The Aluminium Finger Splint is used to stabilize and relief fingers and finger joints.

The splint can be cut with scissors to the appropriate length.



### Size chart and article numbers

Width	Length	Art.-No.
1,25 cm	46 cm	10601
1,90 cm	46 cm	10611
2,50 cm	46 cm	10621

Packing unit of 12 pieces. Sizes may be mixed.

# Baseball Splint\*

## Padded finger splint

### Indications

- The Baseball Splint is used to stabilize, immobilize and protect distal phalanx fractures.



### Size chart and article numbers

Size	Length	Art.-No.
S	9 cm	11111
M	10,5 cm	11121
L	12,5 cm	11131

Packing unit of 12 pieces. Sizes may be mixed

# Curved Finger Splint\*

☎ 00800 03032900

## Padded finger splint

### Indications

- The Curved Finger Splint is used to treat dislocations and transverse fractures of the fingers as well as luxations and subluxations of the finger joints and impacted fractures.



### Size chart and article numbers

Width	Length	Art.-No.
<b>S</b>	6 cm	11011
<b>M</b>	8,5 cm	11021
<b>L</b>	16 cm	11031

Packing unit of 12 pieces. Sizes may be mixed.

# Finger Cot\*

## Padded finger splint

### Indications

- The Finger Cot is used to stabilize the interphalangeal joint after injury of the front finger joint and/or multiple fractures of the distal phalanx of the finger.



Immobilizers

### Size chart and article numbers

Size	Length	Art.-No.
<b>S</b>	5,5 cm	10911
<b>M</b>	8 cm	10921
<b>L</b>	9 cm	10931

Packing unit of 12 pieces. Sizes may be mixed.

\* **Manufacturer:** Brownmed Inc., 1300 Lundberg Drive West, Spirit Lake, IA 51360-7246, USA  
**EU-Representative:** CEpartner4U BV, Esdoornlaan 13, NL-3951 DB Maarn

# Frog Splint\*

## Padded finger splint

### Indications

- The Frog Splint is used to stabilize the interphalangeal joint after injury of the front finger joint and/or diseases of the finger nail bed.



### Size chart and article numbers

Width	Length	Art.-No.
<b>S</b>	6 cm	10801
<b>M</b>	7,5 cm	10811
<b>L</b>	8 cm	10821

Packing unit of 12 pieces. Sizes may be mixed.

# Stax-Mallet\*

## Finger splint

### Indications

- The Stax-Mallet is used after fracture, luxation or ligament injury of the finger or the thumb and as protection from a traumatic accident.

Made out of radiolucent plastic.



### Size chart and article numbers

Size	Art.-No.	Size	Art.-No.
<b>1</b>	10701	<b>5</b>	10705
<b>2</b>	10702	<b>5,5</b>	10706
<b>3</b>	10703	<b>6</b>	10707
<b>4</b>	10704	<b>7</b>	10708

Packing unit of 12 pieces. Sizes may be mixed.



## Finger splint

Our finger splints are available as a set in the Splintbox.

### Content

Reusable Splintbox with:

- **3 Baseball Splint**  
small / medium / large
- **3 Curved Finger Splint**  
small / medium / large
- **3 Finger Cot**  
small / medium / large
- **3 Frog Splint**  
small / medium / large
- **3 Stax Mallet**  
Sizes 1 / 2 / 3 / 4 / 5 / 5,5 / 6 / 7



Immobilizers

### Size chart and article numbers

Name	Art.-No.
Splintbox	10035

\* **Manufacturer:** Brownmed Inc., 1300 Lundberg Drive West, Spirit Lake, IA 51360-7246, USA  
**EU-Representative:** CEpartner4U BV, Esdoornlaan 13, NL-3951 DB Maarn



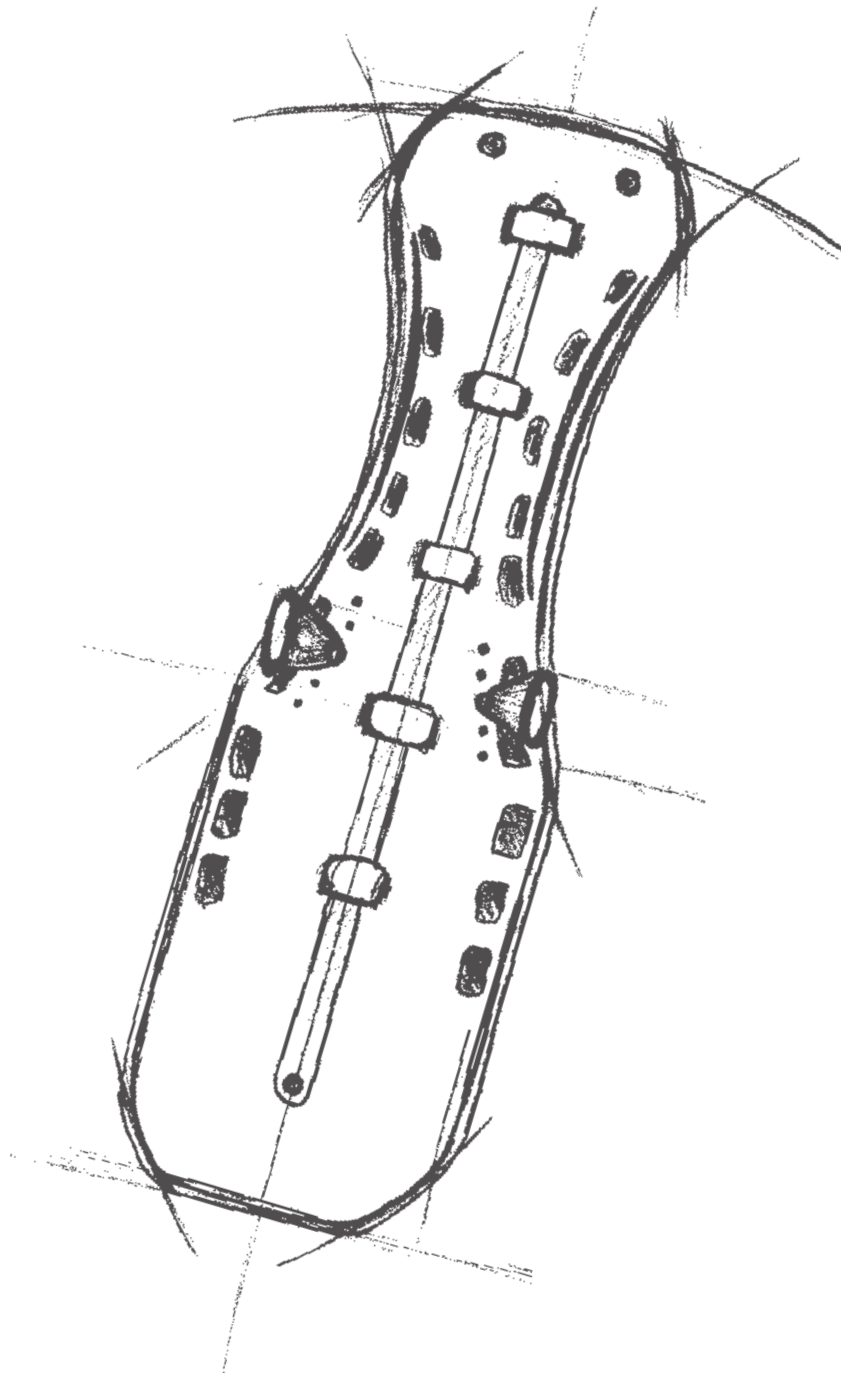
# MKS® – Spinal Orthoses

## MKS® – Modular Corset System

Our MKS® Modular Corset System straightens and stabilizes defined areas of the vertebral column in order to achieve postural corrections which actively support rehabilitation in specific indications.

Our MKS® programme is comprised of a **modular system** which can be divided into an orthosis set consisting of rigid supportive elements and a set of partially elastic, smoothly-fitting back-and-body bandages which adapt comfortably to the body.

By combining the individual components of the two sets an exact adjustment to both the respective indication and the patient can be achieved.



# MKS® Body Belt

## Lumbar Bandage

### Sizes



This product is available in pediatric sizes.

### Indications

- Lower back pain
- Lumbago
- Spondylarthrosis
- Sacroiliac joint irritation
- Lumbar muscle insufficiency

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Back pocket suitable for silicone pad stimulating blood circulation or MKS® Osteo back plate



### Mode of Operation

Due to its semi-elastic bandaging material the MKS® Body Belt adjusts comfortably to the body. Through building up circular pressure the lumbar vertebral column is supported. The firm fastener element provides the necessary abdominal pressure.

Optionally, blood circulation can be stimulated by inserting the silicone pad into the integrated back pocket.

### Size chart and article numbers

Size	Body circumference	Abdominal height	Height of back piece	Art.-No.	Reduced height		
					Abdominal height	Height of back piece	Art.-No.
1	60 - 70 cm	18 cm	22 cm	582-001-S	14 cm	18 cm	582-001N-S
2	70 - 80 cm	18 cm	23 cm	582-002-S	14 cm	19 cm	582-002N-S
3	80 - 90 cm	18 cm	23 cm	582-003-S	14 cm	19 cm	582-003N-S
4	90 - 105 cm	18 cm	24 cm	582-004-S	14 cm	20 cm	582-004N-S
5	105 - 120 cm	18 cm	24 cm	582-005-S	14 cm	20 cm	582-005N-S
6	120 - 135 cm	18 cm	24 cm	582-006-S	14 cm	20 cm	582-006N-S

Silicone pad optionally available. (Art.-No.: 350-014-S)



L1 - L5



## Lumbar Bandage

### Sizes



This product is available in pediatric sizes.

### Indications

- Lower back pain
- Lumbago
- Spondylarthrosis
- Sacroiliac joint irritation
- Lumbar muscle insufficiency

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Back pocket suitable for silicone pad stimulating blood circulation or MKS® Osteo back plate
- Additional tensioning straps



### Mode of Operation

Due to its semi-elastic bandaging material the MKS® Body Belt plus adjusts comfortably to the body. Through building up circular pressure the lumbar vertebral column is supported.

The firm fastener element provides the necessary abdominal pressure which can be enhanced through the additional tensioning straps. Optionally, blood circulation can be stimulated by inserting the silicone pad into the integrated back pocket.

### Size chart and article numbers

Size	Body circumference	Abdominal height	Height of back piece	Art.-No.	Reduced height		
					Abdominal height	Height of back piece	Art.-No.
1	60 - 70 cm	18 cm	22 cm	582-201-S	14 cm	18 cm	582-201N-S
2	70 - 80 cm	18 cm	23 cm	582-202-S	14 cm	19 cm	582-202N-S
3	80 - 90 cm	18 cm	23 cm	582-203-S	14 cm	19 cm	582-203N-S
4	90 - 105 cm	18 cm	24 cm	582-204-S	14 cm	20 cm	582-204N-S
5	105 - 120 cm	18 cm	24 cm	582-205-S	14 cm	20 cm	582-205N-S
6	120 - 135 cm	18 cm	24 cm	582-206-S	14 cm	20 cm	582-206N-S

Silicone pad optionally available. (Art.-No.: 350-014-S)



L1 - L5



Spinal orthoses

# MKS® Vario

## Lumbar Bandage

### Sizes



This product is available in pediatric sizes.

### Indications

- Lower back pain
- Lumbago
- Spondylarthrosis
- Sacroiliac joint irritation
- Lumbar muscle insufficiency

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Back pocket suitable for silicone pad stimulating blood circulation or MKS® Osteo back plate
- Circumference and shape can be adjusted



### Mode of Operation

Due to its semi-elastic bandaging material the MKS® Vario adjusts comfortably to the body. Through building up circular pressure the lumbar vertebral column is supported. The firm fastener element provides the necessary abdominal pressure.

Optionally, blood circulation can be stimulated by inserting the silicone pad into the integrated back pocket.

### Size chart and article numbers

Name	Body circumference	Abdominal height	Height of back piece	Art.-No.
Standard	70 - 95 cm	18 cm	25 cm	581-063-S
Extra	95 - 125 cm	18 cm	25 cm	581-064-S

Silicone pad optionally available. (Art.-No.: 350-014-S)



### Build-up

The MKS® Vario consists of two side pieces (1) and (2), the middle piece (3) and the textile cover (4).

The MKS® Vario can be adjusted for different circumferences and shapes to accommodate various physiques.

## Lumbar Bandage with silicone pad stimulating blood circulation

### Sizes



This product is available in pediatric sizes.

### Indications

- Severe lower back pain
- Severe lumbago
- Relapsing lumbago
- Osteochondrosis
- Spondylolysis without displacement of vertebrae
- Mild lumbar deformity (with displacement of vertebrae)
- Spondylarthrosis
- Sacroiliac joint irritation
- Lumbar muscle insufficiency

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Back pocket suitable for silicone pad or MKS® Osteo back plate
- Silicone pad stimulating blood circulation



### Mode of Operation

Due to its semi-elastic bandaging material the MKS® Lumbago adjusts comfortably to the body.

Through building up circular pressure the lumbar vertebral column is supported. The firm fastener element provides the necessary abdominal pressure. The inserted silicone pad in the integrated back pocket stimulates blood circulation.



Silicone Pad

### Size chart and article numbers

Size	Body circumference	Abdominal height	Height of back piece	Art.-No.
1	60 - 70 cm	18 cm	22 cm	582-401-S
2	70 - 80 cm	18 cm	23 cm	582-402-S
3	80 - 90 cm	18 cm	23 cm	582-403-S
4	90 - 105 cm	18 cm	24 cm	582-404-S
5	105 - 120 cm	18 cm	24 cm	582-405-S
6	120 - 135 cm	18 cm	24 cm	582-406-S

Measurement chart on page 116

Other sizes available on request.



L1 - L5



# MKS® Lumbago plus

## Lumbar Bandage with silicone pad stimulating blood circulation

### Indications

- Severe lower back pain
- Severe lumbago
- Relapsing lumbago
- Osteochondrosis
- Mild lumbar sciatica
- Mild radicular syndrome
- Spondylolysis without displacement of vertebrae
- Mild lumbar deformity (with displacement of vertebrae)
- Spondylarthrosis
- Sacroiliac joint irritation
- Lumbar muscle insufficiency

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Back pocket suitable for silicone pad stimulating blood circulation or MKS® Osteo back plate
- Additional tensioning straps
- Silicone pad stimulating blood circulation



### Mode of Operation

Due to its semi-elastic bandaging material the MKS® Lumbago plus adjusts comfortably to the body. Through building up circular pressure the lumbar vertebral column is supported. The firm fastener element provides the necessary abdominal pressure which can be enhanced through the additional tensioning straps. The inserted silicone pad in the integrated back pocket stimulates blood circulation.



Silicone Pad



L1 - L5



### Size chart and article numbers

Size	Body circumference	Abdominal height	Height of back piece	Art.-No.
1	60 - 70 cm	18 cm	22 cm	582-501-S
2	70 - 80 cm	18 cm	23 cm	582-502-S
3	80 - 90 cm	18 cm	23 cm	582-503-S
4	90 - 105 cm	18 cm	24 cm	582-504-S
5	105 - 120 cm	18 cm	24 cm	582-505-S
6	120 - 135 cm	18 cm	24 cm	582-506-S

Measurement chart on page 116

Other sizes available on request.



## Lumbar Bandage with silicone pad stimulating blood circulation

### Indications

- Severe lower back pain
- Severe lumbago
- Relapsing lumbago
- Osteochondrosis
- Spondylolysis without displacement of vertebrae
- Mild lumbar deformity (with displacement of vertebrae)
- Spondylarthrosis
- Sacroiliac joint irritation
- Lumbar muscle insufficiency

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Back pocket suitable for silicone pad stimulating blood circulation or MKS® Osteo back plate
- Circumference and shape can be adjusted



Silicone Pad

### Mode of Operation

Due to its semi-elastic bandaging material the MKS® Lumbago Vario adjusts comfortably to the body. Through building up circular pressure the lumbar vertebral column is supported. The firm fastener element provides the necessary abdominal pressure which can be enhanced through the additional tensioning straps. The inserted silicone pad in the integrated back pocket stimulates blood circulation.



L1 - L5

### Size chart and article numbers

Name	Body circumference	Abdominal height	Height of back piece	Art.-No.
Standard	70 - 95 cm	18 cm	25 cm	581-069-S
Extra	95 - 125 cm	18 cm	25 cm	581-070-S

### Build-up

The MKS® Lumbago Vario consists of two side pieces (1) and (2), the middle piece (3) and the textile cover (4).

The MKS® Lumbago Vario can be adjusted for different circumferences and shapes to accommodate various physiques



# MKS® Pontsana®

## Lumbar Bandage

### Indications

- Lower back pain
- Moderately severe lumbar sciatica with slight failures in intervertebral disc protrusion/prolapse
- Moderately severe radicular lumbar syndrome, pseudo-radicular lumbar syndrome
- Spondylolithesis, grade I with lumbago
- Moderately severe lumbar deformity (relapsing treatment, complicated course)
- Condition after intervertebral disc surgery with small up to medium-sized prolapse
- Spondylarthrosis
- Sacroiliac joint irritation
- Lumbar muscle insufficiency

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Bridging rods (spring band steel)
- Additional lateral double straps



### Mode of Operation

The MKS® Pontsana® functions according to the bridging principle. The wide bandage with the additional lateral double straps straightens and hence relieves the lumbar vertebral column.

### Size chart and article numbers

Size	Body circumference	Abdominal height	Height of back piece	Art.-No.	Reduced height		
					Abdominal height	Height of back piece	Art.-No.
1	60 - 70 cm	18 cm	32 cm	582-801-S	16 cm	26 cm	582-801N-S
2	70 - 80 cm	18 cm	32 cm	582-802-S	16 cm	26 cm	582-802N-S
3	80 - 90 cm	18 cm	34 cm	582-803-S	16 cm	26 cm	582-803N-S
4	90 - 105 cm	18 cm	34 cm	582-804-S	16 cm	26 cm	582-804N-S
5	105 - 120 cm	18 cm	38 cm	582-805-S	16 cm	26 cm	582-805N-S
6	120 - 135 cm	18 cm	38 cm	582-806-S	16 cm	26 cm	582-806N-S
51	105 - 120 cm	18 cm	34 cm (reduced)	582-8051-S			
61	120 - 135 cm	18 cm	34 cm (reduced)	582-8061-S			



## Lumbar Bandage

### Indications

- Moderatley severe lumbar sciatica with slight failures in intervertebral disc protrusion/prolapse
- Moderatley severe radicular lumbar syndrome, pseudo-radicular lumbar syndrom
- Spondylolithesis, grade I with lumbago
- Moderatley severe lumbar deformity (relapsing treatment, complicated course)
- Condition after intervertebral disc surgery with small up to medium-sized prolapse
- Pain in the area of the lumbar/thoracic spine
- Dorsolumbagia
- Degenerative changes in the lumbar/thoracic spine
- Instabilities in the lumbar/thoracic spine
- Abdominal and lumbar muscle insufficiency

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm, circular high abdominal piece with hook and loop fastener
- Bridging rods (spring band steel)
- Additional lateral double straps



Optionally available as Semi-Assembled Product\*

### Mode of Operation

The MKS® Pontsana® plus functions according to the bridging principle. The circular high bandage with the additional lateral double straps straightens and hence relieves the lumbar vertebral column.

### Size chart and article numbers

Size	Body circumference	Semi-Assembled Product*			
		Art.-No. Abdominal height / Height of back piece	Art.-No. Abdominal height / Height of back piece	Art.-No. Abdominal height / Height of back piece	Art.-No. Abdominal height / Height of back piece
		25 cm / 32 cm	30 cm / 38 cm	25 cm / 32 cm	30 cm / 38 cm
1	60 - 70 cm	582-9011-S	582-9012-S	582-9011-H	582-9012-H
2	70 - 80 cm	582-9021-S	582-9022-S	582-9021-H	582-9022-H
3	80 - 90 cm	582-9031-S	582-9032-S	582-9031-H	582-9032-H
4	90 - 105 cm	582-9041-S	582-9042-S	582-9041-H	582-9042-H
5	105 - 120 cm	582-9051-S	582-9052-S	582-9051-H	582-9052-H
6	120 - 135 cm	582-9061-S	582-9062-S	582-9061-H	582-9062-H

\* Contour can be adjusted, the unattached binding ribbon is also provided.



T9 - L5

# MKS® Pontsana® mobil

## Lumbar bandage with bridging rods

### Indications

- Moderately severe lumbar sciatica with slight failures in intervertebral disc protrusion/prolapse
- Moderately severe radicular lumbar syndrome, pseudo-radicular lumbar syndrome
- Spondylolithesis, grade I with lumbago
- Moderately severe lumbar deformity (relapsing treatment, complicated course)
- Condition after intervertebral disc surgery with small up to medium-sized prolapse
- Lumbar spinal syndromes
- Lumbago
- Spondylarthrosis
- Sacroiliac joint irritation
- Lumbar muscle insufficiency

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Bridging rods (spring band steel)
- Detachable lateral double straps



### Mode of Operation

The MKS® Pontsana® mobil functions according to the bridging principle. The wide bandage with the detachable lateral double straps straightens and hence relieves the lumbar vertebral column.

In accordance with the treatment plan straps may be detached to allow for the mobilisation of the patient.

### Size chart and article numbers

Size	Body circumference	Abdominal height	Height of back piece	Art.-No.
1	60 - 70 cm	18 cm	32 cm	582-811-S
2	70 - 80 cm	18 cm	32 cm	582-812-S
3	80 - 90 cm	18 cm	34 cm	582-813-S
4	90 - 105 cm	18 cm	34 cm	582-814-S
5	105 - 120 cm	18 cm	38 cm	582-815-S
6	120 - 135 cm	18 cm	38 cm	582-816-S
51	105 - 120 cm	18 cm	34 cm (reduced)	582-8151-S
61	120 - 135 cm	18 cm	34 cm (reduced)	582-8161-S



## Lumbar bandage with firm bridging frame

### Indications

- Severe lumbar sciatica with muscular failures in severe intervertebral disc protrusion/prolapse without absolute indication for surgery
- Severe radicular lumbar syndrome, pseudo-radicular lumbar syndrome
- Spondylolithesis with relapsing sciaticae
- Severe lumbar deformity caused by facet syndrome/athrosis
- Condition after intervertebral disc surgery without residual paresis in cleared intervertebral disc, decompression of the spinal canal one-layer without deformity, intervertebral disc surgery one-layer
- Spinal stenosis without strong paresis after short walking distance

### Features

- Semi-elastic bandaging material
- Firm abdominal piece with hook and loop fastener
- Bridging rods (spring band steel)
- Lateral reinforcing stays
- Additional lateral double straps
- Firm bridging frame



### Mode of Operation

The MKS® Pontsana® stabil functions according to the bridging principle. The wide bandage with the additional lateral double straps and the firm bridging frame straightens and hence relieves the lumbar vertebral column.

### Size chart and article numbers

Size	Body-circumference	Abdominal height	Height of back piece	Art.-No.	Reduced height		
					Abdominal height	Height of back piece	Art.-No.
1	60 - 70 cm	18 cm	32 cm	582-881-S	16 cm	26 cm	582-881N-S
2	70 - 80 cm	18 cm	32 cm	582-882-S	16 cm	26 cm	582-882N-S
3	80 - 90 cm	18 cm	34 cm	582-883-S	16 cm	26 cm	582-883N-S
4	90 - 105 cm	18 cm	34 cm	582-884-S	16 cm	26 cm	582-884N-S
5	105 - 120 cm	18 cm	38 cm	582-885-S	16 cm	26 cm	582-885N-S
6	120 - 135 cm	18 cm	38 cm	582-886-S	16 cm	26 cm	582-886N-S
51	105 - 120 cm	18 cm	34 cm (reduced)	582-8851-S			
61	120 - 135 cm	18 cm	34 cm (reduced)	582-8861-S			



# MKS® Osteo

## Spinal orthosis

### Sizes



This product is available in pediatric sizes.

### Indications

- Stable, osteoporotic and traumatic vertebral fractures
- Pain caused by poor posture, e.g. rounded shoulders
- Spondylitis
- Tumor
- Condition after intervertebral disc surgery
- Muscle insufficiency
- Spondylodiscitis
- Abdominal muscle insufficiency
- Sintered vertebral fractures in osteoporosis
- Osteoporosis
- Poor posture
- Hollow round back
- Chronic lumbago caused by hyperlordosis
- Facet syndrome
- Degenerative changes in the lumbar spine

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Adjustable back plate with incorporated aluminium profile
- Individual strap course
- Reclination straps



### Mode of Operation

The MKS® Osteo functions according to the reclination principle.

The two shoulder straps attached to the back plate straighten the vertebral column to relieve the thoracic spine.

The wide lumbar bandage straightens and hence relieves the lumbar vertebral column. The reclination straps are attached to the lumbar bandage through additional lateral straps. Hereby rotation is limited and stabilisation is ensured.

### Size chart and article numbers

Size	Body circumference	Art.-No. Abdominal height / Height of back piece Reclination	Art.-No. Abdominal height / Height of back piece Reclination	Art.-No. Abdominal height / Height of back piece Reclination
		18 cm / S (46 cm)	18 cm / M (50 cm)	18 cm / L (56 cm)
1	60 - 70 cm	782C-1	782A-1	782B-1
2	70 - 80 cm	782C-2	782A-2	782B-2
3	80 - 90 cm	782C-3	782A-3	782B-3
4	90 - 105 cm	782C-4	782A-4	782B-4
5	105 - 120 cm	782C-5	782A-5	782B-5
6	120 - 135 cm	782C-6	782A-6	782B-6



T3 - L5



## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 782...																		Art.-No.
	C1	A1	B1	C2	A2	B2	C3	A3	B3	C4	A4	B4	C5	A5	B5	C6	A6	B6	
MKS® Osteo Dorsal plate with reclination straps (S 46 cm)	•			•			•			•			•			•			761-066-S
MKS® Osteo Dorsal plate with reclination straps (M 50 cm)		•			•			•			•			•			•		761-067-S
MKS® Osteo Dorsal plate with reclination straps (L 56 cm)			•			•			•			•			•			•	761-068-S
MKS® Body belt size 1 60 - 70 cm	•	•	•																582-001-S
MKS® Body belt size 2 70 - 80 cm				•	•	•													582-002-S
MKS® Body belt size 3 80 - 90 cm							•	•	•										582-003-S
MKS® Body belt size 4 90 - 105 cm										•	•	•							582-004-S
MKS® Body belt size 5 105 - 120 cm													•	•	•				582-005-S
MKS® Body belt size 6 120 - 135 cm																•	•	•	582-006-S



# MKS® Osteo – Reduced height

## Spinal orthosis

### Indications

- Osteoporosis
- Stable, osteoporotic and traumatic vertebral fractures
- Sintered vertebral fractures in osteoporosis
- Pain caused by poor posture, e.g. rounded shoulders
- Poor posture
- Hollow round back
- Chronic lumbago caused by hyperlordosis
- Spondylodiscitis
- Facet syndrome
- Degenerative changes in the lumbar spine
- Tumor
- Condition after intervertebral disc surgery
- Muscle insufficiency
- Abdominal muscle insufficiency
- Spondylitis

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Adjustable back plate with incorporated aluminium profile
- Individual strap course
- Reclination straps



### Mode of Operation

The MKS® Osteo functions according to the reclination principle.

The two shoulder straps attached to the back plate straighten the vertebral column to relieve the thoracic spine.

The wide lumbar bandage straightens and hence relieves the lumbar vertebral column. The reclination straps are attached to the lumbar bandage through additional lateral straps. Hereby rotation is limited and stabilisation is ensured.

### Size chart and article numbers

Size	Body circumference	Art.-No.	Art.-No.	Art.-No.	Art.-No.
		Abdominal height / Height of back piece Reclination	Abdominal height / Height of back piece Reclination	Abdominal height / Height of back piece Reclination	Abdominal height / Height of back piece Reclination
		14 cm / XS (43 cm)	14 cm / S (46 cm)	14 cm / M (50 cm)	14 cm / L (56 cm)
1	60 - 70 cm	782D-1N	782C-1N	782A-1N	782B-1N
2	70 - 80 cm	782D-2N	782C-2N	782A-2N	782B-2N
3	80 - 90 cm	782D-3N	782C-3N	782A-3N	782B-3N
4	90 - 105 cm	782D-4N	782C-4N	782A-4N	782B-4N
5	105 - 120 cm	782D-5N	782C-5N	782A-5N	782B-5N
6	120 - 135 cm	782D-6N	782C-6N	782A-6N	782B-6N



T3 - L5





## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 782...																								Art.-No.	
	D1	C1	A1	B1	D2	C2	A2	B2	D3	C3	A3	B3	D4	C4	A4	B4	D5	C5	A5	B5	D6	C6	A6	B6		
MKS® Osteo Dorsal plate with reclination straps (XS 43 cm)	•				•				•				•				•				•				761-065-S	
MKS® Osteo Dorsal plate with reclination straps (S 46 cm)		•				•				•				•				•				•			761-066-S	
MKS® Osteo Dorsal plate with reclination straps (M 50 cm)			•				•				•				•				•				•		761-067-S	
MKS® Osteo Dorsal plate with reclination straps (L 56 cm)				•				•				•				•				•				•	761-068-S	
MKS® Body belt size 1 60 - 70 cm	•	•	•	•																					582-001N-S	
MKS® Body belt size 2 70 - 80 cm					•	•	•	•																	582-002N-S	
MKS® Body belt size 3 80 - 90 cm									•	•	•	•													582-003N-S	
MKS® Body belt size 4 90 - 105 cm													•	•	•	•									582-004N-S	
MKS® Body belt size 5 90 - 105 cm																		•	•	•	•				582-005N-S	
MKS® Body belt size 6 120 - 135 cm																						•	•	•	•	582-006N-S



# MKS® Osteo plus

## Spinal orthosis

### Sizes



This product is available in pediatric sizes.

### Indications

- Osteoporosis
- Stable, osteoporotic and traumatic vertebral fractures
- Sintered vertebral fractures in osteoporosis
- Pain caused by poor posture, e.g. rounded shoulders
- Poor posture
- Hollow round back
- Chronic lumbago caused by hyperlordosis
- Spondylodiscitis
- Facet syndrome
- Degenerative changes in the lumbar spine
- Tumor
- Condition after intervertebral disc surgery
- Muscle insufficiency
- Abdominal muscle insufficiency
- Spondylitis

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Additional tensioning straps
- Adjustable back plate with incorporated aluminium profile
- Individual strap course
- Reclination straps



### Mode of Operation

The MKS® Osteo plus functions according to the reclination principle.

The two shoulder straps attached to the back plate straighten the vertebral column to relieve the thoracic spine. The wide lumbar bandage with the additional tensioning straps straightens and hence relieves the lumbar vertebral column.

The reclination straps are attached to the lumbar bandage through additional lateral straps. Hereby rotation is limited and stabilisation is ensured.

### Size chart and article numbers

Size	Body circumference	Art.-No.	Art.-No.	Art.-No.
		Abdominal height / Height of back piece Reclination	Abdominal height / Height of back piece Reclination	Abdominal height / Height of back piece Reclination
		18 cm / S (46 cm)	18 cm / M (50 cm)	18 cm / L (56 cm)
1	60 - 70 cm	784C-1	784A-1	784B-1
2	70 - 80 cm	784C-2	784A-2	784B-2
3	80 - 90 cm	784C-3	784A-3	784B-3
4	90 - 105 cm	784C-4	784A-4	784B-4
5	105 - 120 cm	784C-5	784A-5	784B-5
6	120 - 135 cm	784C-6	784A-6	784B-6



T3 - L5



## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 784..																		Art.-No.
	C1	A1	B1	C2	A2	B2	C3	A3	B3	C4	A4	B4	C5	A5	B5	C6	A6	B6	
MKS® Osteo Dorsal plate with reclination straps (S 46 cm)	•			•			•			•			•			•			761-066-S
MKS® Osteo Dorsal plate with reclination straps (M 50 cm)		•			•			•			•			•			•		761-067-S
MKS® Osteo Dorsal plate with reclination straps (L 56 cm)			•			•			•			•			•			•	761-068-S
MKS® Body belt plus, size 1 60 - 70 cm	•	•	•																582-201-S
MKS® Body belt plus, size 2 70 - 80 cm				•	•	•													582-202-S
MKS® Body belt plus, size 3 80 - 90 cm							•	•	•										582-203-S
MKS® Body belt plus, size 4 90 - 105 cm										•	•	•							582-204-S
MKS® Body belt plus plus, size 5 105 - 120 cm													•	•	•				582-205-S
MKS® Body belt plus, size 6 120 - 135 cm																•	•	•	582-206-S



# MKS® Osteo plus – Reduced height

## Spinal orthosis

### Indications

- Osteoporosis
- Stable, osteoporotic and traumatic vertebral fractures
- Sintered vertebral fractures in osteoporosis
- Pain caused by poor posture, e.g. rounded shoulders
- Poor posture
- Hollow round back
- Chronic lumbago caused by hyperlordosis
- Spondylodiscitis
- Facet syndrome
- Degenerative changes in the lumbar spine
- Tumor
- Condition after intervertebral disc surgery
- Muscle insufficiency
- Abdominal muscle insufficiency
- Spondylitis

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Additional tensioning straps
- Adjustable back plate with incorporated aluminium profile
- Individual strap course
- Reclination straps



### Mode of Operation

The MKS® Osteo plus functions according to the reclination principle.

The two shoulder straps attached to the back plate straighten the vertebral column to relieve the thoracic spine. The wide lumbar bandage with the additional tensioning straps straightens and hence relieves the lumbar vertebral column.

The reclination straps are attached to the lumbar bandage through additional lateral straps. Hereby rotation is limited and stabilisation is ensured.

### Size chart and article numbers

Size	Body circumference	Art.-No.	Art.-No.	Art.-No.	Art.-No.
		Abdominal height / Height of back piece Reclination	Abdominal height / Height of back piece Reclination	Abdominal height / Height of back piece Reclination	Abdominal height / Height of back piece Reclination
		14 cm / XS (43 cm)	14 cm / S (46 cm)	14 cm / M (50 cm)	14 cm / L (56 cm)
1	60 - 70 cm	784D-1N	784C-1N	784A-1N	784B-1N
2	70 - 80 cm	784D-2N	784C-2N	784A-2N	784B-2N
3	80 - 90 cm	784D-3N	784C-3N	784A-3N	784B-3N
4	90 - 105 cm	784D-4N	784C-4N	784A-4N	784B-4N
5	105 - 120 cm	784D-5N	784C-5N	784A-5N	784B-5N
6	120 - 135 cm	784D-6N	784C-6N	784A-6N	784B-6N



## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 784..																								Art.-No.
	D1	C1	A1	B1	D2	C2	A2	B2	D3	C3	A3	B3	D4	C4	A4	B4	D5	C5	A5	B5	D6	C6	A6	B6	
MKS® Osteo Dorsal plate with reclination straps (XS 43 cm)	•				•				•				•				•				•				761-065-S
MKS® Osteo Dorsal plate with reclination straps (S 46 cm)		•				•				•				•				•				•			761-066-S
MKS® Osteo Dorsal plate with reclination straps (M 50 cm)			•				•				•				•				•				•		761-067-S
MKS® Osteo Dorsal plate with reclination straps (L 56 cm)				•				•				•				•				•				•	761-068-S
MKS® Body belt plus, size 1 60 - 70 cm	•	•	•	•																					582-201N-S
MKS® Body belt plus, size 2 70 - 80 cm					•	•	•	•																	582-202N-S
MKS® Body belt plus, size 3 80 - 90 cm									•	•	•	•													582-203N-S
MKS® Body belt plus, size 4 90 - 105 cm													•	•	•	•									582-204N-S
MKS® Body belt plus, size 5 105 - 120 cm																	•	•	•	•					582-205N-S
MKS® Body belt plus, size . 6 120 - 135 cm																					•	•	•	•	582-206N-S



# MKS® Osteo flex

## Spinal orthosis

### Indications

- Osteoporosis
- Stable, osteoporotic and traumatic vertebral fractures
- Sintered vertebral fractures in osteoporosis
- Pain caused by poor posture, e.g. rounded shoulders
- Poor posture
- Hollow round back
- Chronic lumbago caused by hyperlordosis
- Spondylodiscitis
- Facet syndrome
- Degenerative changes in the lumbar spine
- Tumor
- Condition after intervertebral disc surgery
- Muscle insufficiency
- Abdominal muscle insufficiency
- Spondylitis

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Textile back piece with paravertebral steel tape rods
- Individual strap course
- Reclination straps



### Mode of Operation

The MKS® Osteo flex functions according to the reclination principle.

The two shoulder straps attached to the flexible back piece straighten the vertebral column to relieve the thoracic spine. The wide lumbar bandage with the additional tensioning straps straightens and hence relieves the lumbar vertebral column.

The reclination straps are attached to the lumbar bandage through additional lateral straps. Hereby rotation is limited and stabilisation is ensured.

### Size chart and article numbers



Size	Body circumference	Art.-No. Abdominal height / Height of back piece Reclination	Art.-No. / Abdominal height / Height of back piece Reclination	Art.-No. / Abdominal height / Height of back piece Reclination
		18 cm / S (46 cm)	18 cm / M (50 cm)	18 cm / L (56 cm)
1	60 - 70 cm	783C-1	783A-1	783B-1
2	70 - 80 cm	783C-2	783A-2	783B-2
3	80 - 90 cm	783C-3	783A-3	783B-3
4	90 - 105 cm	783C-4	783A-4	783B-4
5	105 - 120 cm	783C-5	783A-5	783B-5
6	120 - 135 cm	783C-6	783A-6	783B-6



T3 - L5



## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 783..																		Art.-No.	
	C1	A1	B1	C2	A2	B2	C3	A3	B3	C4	A4	B4	C5	A5	B5	C6	A6	B6		
MKS® Osteo flex Back piece with reclination straps (S 46 cm)	•			•			•			•			•			•			761-071-S	
MKS® Osteo flex Back piece with reclination straps (M 50 cm)		•		•			•			•			•			•			761-072-S	
MKS® Osteo flex Back piece with reclination straps (L 56 cm)			•			•			•			•			•			•	761-073-S	
MKS® Body belt size 1 60 - 70 cm	•	•	•																582-001-S	
MKS® Body belt size 2 70 - 80 cm				•	•	•													582-002-S	
MKS® Body belt size 3 80 - 90 cm							•	•	•										582-003-S	
MKS® Body belt size 4 90 - 105 cm										•	•	•							582-004-S	
MKS® Body belt size 5 105 - 120 cm													•	•	•				582-005-S	
MKS® Body belt size 6 120 - 135 cm																•	•	•	582-006-S	

# MKS® Osteo flex – Reduced height

## Spinal orthosis

### Indications

- Osteoporosis
- Stable, osteoporotic and traumatic vertebral fractures
- Sintered vertebral fractures in osteoporosis
- Pain caused by poor posture, e.g. rounded shoulders
- Poor posture
- Hollow round back
- Chronic lumbago caused by hyperlordosis
- Spondylodiscitis
- Facet syndrome
- Degenerative changes in the lumbar spine
- Tumor
- Condition after intervertebral disc surgery
- Muscle insufficiency
- Abdominal muscle insufficiency
- Spondylitis

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Textile back piece with paravertebral steel tape rods
- Individual strap course
- Reclination straps



### Mode of Operation

The MKS® Osteo flex functions according to the reclination principle.

The two shoulder straps attached to the flexible back piece straighten the vertebral column to relieve the thoracic spine. The wide lumbar bandage with the additional tensioning straps straightens and hence relieves the lumbar vertebral column.

The reclination straps are attached to the lumbar bandage through additional lateral straps. Hereby rotation is limited and stabilisation is ensured.

### Size chart and article numbers

Size	Body circumference	Art.-No.	Art.-No.	Art.-No.	Art.-No.
		Abdominal height / Height of back piece Reclination	Abdominal height / Height of back piece Reclination	Abdominal height / Height of back piece Reclination	Abdominal height / Height of back piece Reclination
		14 cm / XS (43 cm)	14 cm / S (46 cm)	14 cm / M (50 cm)	14 cm / L (56 cm)
1	60 - 70 cm	783D-1N	783C-1N	783A-1N	783B-1N
2	70 - 80 cm	783D-2N	783C-2N	783A-2N	783B-2N
3	80 - 90 cm	783D-3N	783C-3N	783A-3N	783B-3N
4	90 - 105 cm	783D-4N	783C-4N	783A-4N	783B-4N
5	105 - 120 cm	783D-5N	783C-5N	783A-5N	783B-5N
6	120 - 135 cm	783D-6N	783C-6N	783A-6N	783B-6N





## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 783..																								Art.-No.	
	D1	C1	A1	B1	D2	C2	A2	B2	D3	C3	A3	B3	D4	C4	A4	B4	D5	C5	A5	B5	D6	C6	A6	B6		
MKS® Osteo flex Back piece with reclination straps (XS 43 cm)	•				•				•				•				•				•				761-070-S	
MKS® Osteo flex Back piece with reclination straps (S 46 cm)		•				•				•				•				•				•			761-071-S	
MKS® Osteo flex Back piece with reclination straps (M 50 cm)			•				•				•				•				•				•		761-072-S	
MKS® Osteo flex Back piece with reclination straps (L 56 cm)				•				•				•				•				•				•	761-073-S	
MKS® Body belt size 1 60 - 70 cm	•	•	•	•																					582-001N-S	
MKS® Body belt size 2 70 - 80 cm					•	•	•	•																	582-002N-S	
MKS® Body belt size 3 80 - 90 cm									•	•	•	•													582-003N-S	
MKS® Body belt size 4 90 - 105 cm													•	•	•	•									582-004N-S	
MKS® Body belt size 5 105 - 120 cm																	•	•	•	•					582-005N-S	
MKS® Body belt size 6 120 - 135 cm																						•	•	•	•	582-006N-S



# MKS® Osteo flex plus

## Spinal orthosis

### Indications

- Osteoporosis
- Stable, osteoporotic and traumatic vertebral fractures
- Sintered vertebral fractures in osteoporosis
- Pain caused by poor posture, e.g. rounded shoulders
- Poor posture
- Hollow round back
- Chronic lumbago caused by hyperlordosis
- Spondylodiscitis
- Facet syndrome
- Degenerative changes in the lumbar spine
- Tumor
- Condition after intervertebral disc surgery
- Muscle insufficiency
- Abdominal muscle insufficiency
- Spondylitis

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Textile back piece with paravertebral steel tape rods
- Individual strap course
- Reclination straps



### Mode of Operation

The MKS® Osteo flex plus functions according to the reclination principle.

The two shoulder straps attached to the flexible back piece straighten the vertebral column to relieve the thoracic spine. The wide lumbar bandage with the additional tensioning straps straightens and hence relieves the lumbar vertebral column.



The reclination straps are attached to the lumbar bandage through additional lateral straps. Hereby rotation is limited and stabilisation is ensured.

### Size chart and article numbers

Size	Body circumference	Art.-No. Abdominal height / Height of back piece Reclination	Art.-No. Abdominal height / Height of back piece Reclination	Art.-No. Abdominal height / Height of back piece Reclination
		18 cm / S (46 cm)	18 cm / M (50 cm)	18 cm / L (56 cm)
1	60 - 70 cm	781C-1	781A-1	781B-1
2	70 - 80 cm	781C-2	781A-2	781B-2
3	80 - 90 cm	781C-3	781A-3	781B-3
4	90 - 105 cm	781C-4	781A-4	781B-4
5	105 - 120 cm	781C-5	781A-5	781B-5
6	120 - 135 cm	781C-6	781A-6	781B-6



## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 781..																		Art.-No.	
	C1	A1	B1	C2	A2	B2	C3	A3	B3	C4	A4	B4	C5	A5	B5	C6	A6	B6		
MKS® Osteo flex Back piece with reclination straps (S 46 cm)	•			•			•			•			•			•			761-071-S	
MKS® Osteo flex Back piece with reclination straps (M 50 cm)		•			•			•			•			•			•		761-072-S	
MKS® Osteo flex Back piece with reclination straps (L 56 cm)			•			•			•			•			•			•	761-073-S	
MKS® Body belt plus size 1 60 - 70 cm	•	•	•																582-201-S	
MKS® Body belt plus size 2 70 - 80 cm				•	•	•													582-202-S	
MKS® Body belt plus size 3 80 - 90 cm							•	•	•										582-203-S	
MKS® Body belt plus size 4 90 - 105 cm										•	•	•							582-204-S	
MKS® Body belt plus size 5 105 - 120 cm													•	•	•				582-205-S	
MKS® Body belt plus size 6 120 - 135 cm																•	•	•	582-206-S	

# MKS® Osteo flex plus – Reduced height

## Spinal orthosis

### Indications

- Osteoporosis
- Stable, osteoporotic and traumatic vertebral fractures
- Sintered vertebral fractures in osteoporosis
- Pain caused by poor posture, e.g. rounded shoulders
- Poor posture
- Hollow round back
- Chronic lumbago caused by hyperlordosis
- Spondylodiscitis
- Facet syndrome
- Degenerative changes in the lumbar spine
- Tumor
- Condition after intervertebral disc surgery
- Muscle insufficiency
- Abdominal muscle insufficiency
- Spondylitis

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Textile back piece with paravertebral steel tape rods
- Individual strap course
- Reclination straps



### Mode of Operation

The MKS® Osteo flex plus functions according to the reclination principle.

The two shoulder straps attached to the flexible back piece straighten the vertebral column to relieve the thoracic spine. The wide lumbar bandage with the additional tensioning straps straightens and hence relieves the lumbar vertebral column.

The reclination straps are attached to the lumbar bandage through additional lateral straps. Hereby rotation is limited and stabilisation is ensured.

### Size chart and article numbers

Size	Body circumference	Art.-No.	Art.-No.	Art.-No.	Art.-No.
		Abdominal height / Height of back piece Reclination	Abdominal height / Height of back piece Reclination	Abdominal height / Height of back piece Reclination	Abdominal height / Height of back piece Reclination
		14 cm / XS (43 cm)	14 cm / S (46 cm)	14 cm / M (50 cm)	14 cm / L (56 cm)
1	60 - 70 cm	781D-1N	781C-1N	781A-1N	781B-1N
2	70 - 80 cm	781D-2N	781C-2N	781A-2N	781B-2N
3	80 - 90 cm	781D-3N	781C-3N	781A-3N	781B-3N
4	90 - 105 cm	781D-4N	781C-4N	781A-4N	781B-4N
5	105 - 120 cm	781D-5N	781C-5N	781A-5N	781B-5N
6	120 - 135 cm	781D-6N	781C-6N	781A-6N	781B-6N



T3 - L5

## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 781..																								Art.-No.	
	D1	C1	A1	B1	D2	C2	A2	B2	D3	C3	A3	B3	D4	C4	A4	B4	D5	C5	A5	B5	D6	C6	A6	B6		
MKS® Osteo flex Back piece with reclination straps (XS 43 cm)	•				•				•				•				•				•				761-070-S	
MKS® Osteo flex Back piece with reclination straps (S 46 cm)		•			•				•				•				•				•				761-071-S	
MKS® Osteo flex Back piece with reclination straps (M 50 cm)			•			•				•				•				•				•			761-072-S	
MKS® Osteo flex Back piece with reclination straps (L 56 cm)				•			•				•				•				•				•		761-073-S	
MKS® Body belt plus size 1 60 - 70 cm	•	•	•	•																					582-201N-S	
MKS® Body belt plus size 2 70 - 80 cm					•	•	•	•																	582-202N-S	
MKS® Body belt plus size 3 80 - 90 cm									•	•	•	•													582-203N-S	
MKS® Body belt plus size 4 90 - 105 cm													•	•	•	•									582-204N-S	
MKS® Body belt plus size 5 105 - 120 cm																		•	•	•	•				582-205N-S	
MKS® Body belt plus size 6 120 - 135 cm																						•	•	•	•	582-206N-S



# MKS® Lumbo

## Bridging orthosis

### Indications

- Severe lower back pain
- Severe lumbar sciatica
- Lumbar sciatica
- Spondylolithesis
- Facet syndrome
- Spinal stenosis
- Vertebral body fractures

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Circumference and shape can be adjusted
- Modular frame structure with thorax and pelvic support
- Individual strap course



### Mode of Operation

The MKS® Lumbo functions according to the 3-Point-Principle.

The wide lumbar bandage with the additional tensioning straps and the modular frame structure straightens and hence relieves the lumbar vertebral column.

### Size chart and article numbers












Name	Body circumference	Art.-No. Abdominal height / Height of back piece	Art.-No. Abdominal height / Height of back piece
		18 cm / 28 - 32 cm	18 cm / 36 - 40 cm
<b>Standard</b>	70 - 95 cm	785A-1	785B-1
<b>Extra</b>	95 - 125 cm	785A-2	785B-2



T9 - L5



## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 785..				Art.-No.	
	A1	B1	A2	B2		
MKS® Body belt Vario Standard 70 – 95 cm	•	•			581-063-S	
MKS® Body belt Vario Extra 95 – 125 cm			•	•	581-064-S	
MKS® Dorsal rod Set 25 cm	•		•		221-005-S	
MKS® Dorsal rod Set 32 cm		•		•	221-006-S	
MKS® Thoracic brace 45 cm	•	•			422-014-S	
MKS® Pelvic brace 45 cm	•	•			422-015-S	
MKS® Thoracic brace 60 cm			•	•	422-012-S	
MKS® Pelvic brace 60 cm			•	•	422-013-S	
MKS® Lumbo Fastening straps	•	•	•	•	581-051-S	
MKS® Lumbo Back cover height 1	•		•		422-016-S	
MKS® Lumbo Back cover height 2		•		•	422-017-S	

# MKS® Lumbo forte

## Bridging orthosis

### Indications

- Severe lower back pain
- Severe lumbar sciatica
- Spondylolithesis
- Facet syndrome
- Spinal stenosis
- Stable vertebral body fractures
- Scheuermann's disease
- Tumor
- Spondylitis
- Degenerative changes in the lumbar spine
- Abdominal and lumbar muscle insufficiency

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm, high abdominal piece with hook and loop fastener
- Modular frame structure with thorax and pelvic support
- Individual strap course



### Mode of Operation

The MKS® Lumbo forte functions according to the 3-Point-Principle.

The wide, high lumbar bandage with the additional tensioning straps and the modular frame structure straightens and hence relieves the lumbar vertebral column.

### Size chart and article numbers

Size	Body circumference	Art.-No.	Art.-No.
		Abdominal height / Height of back piece	Abdominal height / Height of back piece
		25 cm / 32 cm	30 cm / 38 cm
1	60 - 70 cm	787-11	787-12
2	70 - 80 cm	787-21	787-22
3	80 - 90 cm	787-31	787-32
4	90 - 105 cm	787-41	787-42
5	105 - 120 cm	787-51	787-52
6	120 - 135 cm	787-61	787-62











Optional back rods (spring band steel) for mobilisation:  
 28 cm – Art.-No.: 221-021-S (for height of back piece 32 cm)  
 34 cm – Art.-No.: 221-022-S (for height of back piece 38 cm)



T9 - L5



## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 787..												Art.-No.		
	11	21	31	41	51	61	12	22	32	42	52	62			
MKS® Thoracic brace 45 cm	•	•	•				•	•	•					422-014-S	
MKS® Pelvic brace 45 cm	•	•	•				•	•	•					422-015-S	
MKS® Thoracic brace 60 cm				•	•	•					•	•	•	422-012-S	
MKS® Pelvic brace 60 cm				•	•	•					•	•	•	422-013-S	
MKS® Dorsal rod Set 25 cm	•	•	•	•	•	•								221-005-S	
MKS® Dorsal rod Set 32 cm							•	•	•	•	•	•		221-006-S	
MKS® Lumbo forte Strap Set	•	•	•	•	•	•	•	•	•	•	•	•	•	787-gt	
Body belt Lumbo forte 11	•													581-101-S	
Body belt Lumbo forte 21		•												581-102-S	
Body belt Lumbo forte 31			•											581-103-S	
Body belt Lumbo forte 41				•										581-104-S	
Body belt Lumbo forte 51					•									581-105-S	
Body belt Lumbo forte 61						•								581-106-S	
Body belt Lumbo forte 12							•							581-107-S	
Body belt Lumbo forte 22								•						581-108-S	
Body belt Lumbo forte 32									•					581-109-S	
Body belt Lumbo forte 42										•				581-110-S	
Body belt Lumbo forte 52											•			581-111-S	
Body belt Lumbo forte 62												•		581-112-S	
MKS® Lumbo Back cover height 1	•	•	•	•	•	•								422-016-S	
MKS® Lumbo Back cover height 2							•	•	•	•	•	•		422-017-S	

# MKS® Lumbo plus

## Spinal orthosis

### Indications

- Stable vertebral body fractures
- Scheuermann's disease
- Tumor
- Spondylitis
- Severe lower back pain
- Severe lumbar sciatica
- Spondylolithesis
- Facet syndrome
- Spinal stenosis

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Circumference and shape can be adjusted
- Modular frame structure with thorax and pelvic support
- Individual strap course
- Reclination straps



### Mode of Operation

The MKS® Lumbo plus functions according to the 3-Point-Principle.

The wide lumbar bandage with the additional tensioning straps and the modular frame structure straightens and hence relieves the lumbar vertebral column.

The adjustable circumference and outline the bandage can be fitted for different body shapes.

The reclination straps are attached to the lumbar bandage through additional lateral straps. Hereby rotation is limited and stabilisation is ensured.

### Size chart and article numbers

Name	Body circumference	Art.-No. Abdominal height / Height of back piece Reclination	Art.-No. Abdominal height / Height of back piece Reclination	Art.-No. Abdominal height / Height of back piece Reclination
		18 cm / 53 - 58 cm	18 cm / 59 - 65 cm	18 cm / 66 - 72 cm
<b>Standard</b>	70 - 95 cm	786C-1	786A-1	786B-1
<b>Extra</b>	95 - 125 cm	786C-2	786A-2	786B-2















Opt. Dorsal rods (46 cm) – Art.-No.: 221-026-S (for height of back piece 48 - 52 cm)



T3 - L5



## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 786..						Art.-No.	
	C1	A1	B1	C2	A2	B2		
MKS® Body belt Vario Standard 70 - 95 cm	•	•	•				581-063-S	
MKS® Body belt Vario Extra 95 - 125 cm				•	•	•	581-064-S	
MKS® Reclination rod Set 51 cm	•			•			221-008-S	
MKS® Reclination rod Set 58 cm		•			•		221-009-S	
MKS® Reclination rod Set 65 cm			•			•	221-010-S	
MKS® Thoracic brace 45 cm	•	•	•				422-014-S	
MKS® Pelvic brace 45 cm	•	•	•				422-015-S	
MKS® Thoracic brace 60 cm				•	•	•	422-012-S	
MKS® Pelvic brace 60 cm				•	•	•	422-013-S	
MKS® Lumbo Shoulder plate	•	•	•	•	•	•	422-010-S	
MKS® Lumbo plus Reclination strap Set	•	•	•	•	•	•	786-gt	
MKS® Lumbo Back cover Height 1	•	•		•	•		422-016-S	
MKS® Lumbo Back cover Height 2			•			•	422-017-S	
MKS® Strap loop	•	•	•	•	•	•	761-001-S	

# MKS® Lumbo forte plus

## Spinal orthosis

### Sizes



This product is available in pediatric sizes.

### Indications

- Severe lower back pain
- Severe lumbar sciatica
- Lumbar sciatica
- Spondylolithesis
- Facet syndrome
- Spinal stenosis
- Stable vertebral body fractures
- Scheuermann's disease
- Tumor
- Spondylitis

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm, high abdominal piece with hook and loop fastener
- Modular frame structure with thorax and pelvic support
- Individual strap course
- Reclination straps



### Mode of Operation

The MKS® Lumbo forte plus functions according to the 3-Point-Principle.

The wide, high lumbar bandage with the additional tensioning straps and the modular frame structure straightens and hence relieves the lumbar vertebral column.

The reclination straps are attached to the lumbar bandage through additional lateral straps. Hereby rotation is limited and stabilisation is ensured.

### Size chart and article numbers

Size	Body circumference	Art.-No. Abdominal height / Height of back piece Reclination	Art.-No. Abdominal height / Height of back piece Reclination	Art.-No. Abdominal height / Height of back piece Reclination
		25 cm / 53 - 58 cm	25 cm / 59 - 65 cm	30 cm / 66 - 72 cm
1	60 - 70 cm	788-10	788-11	788-12
2	70 - 80 cm	788-20	788-21	788-22
3	80 - 90 cm	788-30	788-31	788-32
4	90 - 105 cm	788-40	788-41	788-42
5	105 - 120 cm	788-50	788-51	788-52
6	120 - 135 cm	788-60	788-61	788-62













Opt. Dorsal rods (46 cm) – Art.-No.: 221-026-S (for height of back piece 48 - 52 cm)



T3 - L5



## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 788..																Art.-No.			
	10	20	30	40	50	60	11	21	31	41	51	61	12	22	32	42			52	62
MKS® Thoracic brace 45 cm	•	•	•				•	•	•				•	•	•				422-014-S	
MKS® Pelvic brace 45 cm	•	•	•				•	•	•				•	•	•				422-015-S	
MKS® Thoracic brace 60 cm				•	•	•				•	•	•				•	•	•	422-012-S	
MKS® Pelvic brace 60 cm				•	•	•				•	•	•				•	•	•	422-013-S	
MKS® Reclination rod Set 51 cm	•	•	•	•	•	•													221-008-S	
MKS® Reclination rod Set 58 cm							•	•	•	•	•	•							221-009-S	
MKS® Reclination rod Set 65 cm													•	•	•	•	•	•	221-010-S	
MKS® Lumbo Shoulder plate	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	422-010-S	
MKS® Lumbo forte plus Strap Set	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	788-gt	
Body belt Lumbo forte 11	•						•												581-101-S	
Body belt Lumbo forte 21		•						•											581-102-S	
Body belt Lumbo forte 31			•						•										581-103-S	
Body belt Lumbo forte 41				•						•									581-104-S	
Body belt Lumbo forte 51					•						•								581-105-S	
Body belt Lumbo forte 61						•						•							581-106-S	
Body belt Lumbo forte 12													•						581-107-S	
Body belt Lumbo forte 22														•					581-108-S	
Body belt Lumbo forte 32															•				581-109-S	
Body belt Lumbo forte 42																•			581-110-S	
Body belt Lumbo forte 52																	•		581-111-S	
Body belt Lumbo forte 62																		•	581-112-S	
MKS® Lumbo Back cover Height 1	•	•	•	•	•	•	•	•	•	•	•	•							422-016-S	
MKS® Lumbo Back cover Height 2													•	•	•	•	•	•	422-017-S	
MKS® Strap loop	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	761-001-S	

# MKS® Lumbo mobil

## Spinal orthosis

### Indications

- Severe lower back pain
- Severe lumbar sciatica
- Lumbar sciatica
- Spondylolithesis
- Facet syndrome
- Spinal stenosis
- Stable vertebral body fractures
- Scheuermann's disease
- Tumor
- Spondylitis
- Degenerative changes in the lumbar spine
- Abdominal and lumbar muscle insufficiency

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm, high abdominal piece with hook and loop fastener
- Modular frame structure with thorax and pelvic support
- Individual strap course
- Front Pad



### Mode of Operation

The MKS® Lumbo mobil functions according to the 3-Point-Principle.

The wide lumbar bandage with the additional tensioning straps and the modular frame structure straightens and hence relieves the lumbar vertebral column.

### Size chart and article numbers









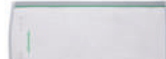




Size	Body circumference	Abdominal height	Height of back piece	Art.-No.
1	60 - 70 cm	18 cm	32 cm	789-1
2	70 - 80 cm	18 cm	32 cm	789-2
3	80 - 90 cm	18 cm	34 cm	789-3
4	90 - 105 cm	18 cm	34 cm	789-4
5	105 - 120 cm	18 cm	38 cm	789-5
6	120 - 135 cm	18 cm	38 cm	789-6
51	105 - 120 cm	18 cm	34 cm (reduced)	789-51
61	120 - 135 cm	18 cm	34 cm (reduced)	789-61



T9 - L5



## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 789..								Art.-No.			
	1	2	3	4	5	6	51	61				
MKS® Thoracic brace 45 cm	•	•	•							422-014-S		
MKS® Pelvic brace 45 cm	•	•	•							422-015-S		
MKS® Thoracic brace 60 cm				•	•	•	•	•		422-012-S		
MKS® Pelvic brace 60 cm				•	•	•	•	•		422-013-S		
MKS® Dorsal rod Set 25 cm	•	•	•	•					•	•	221-005-S	
MKS® Dorsal rod Set 32 cm					•	•					221-006-S	
MKS® Lumbo mobil Fastening straps	•	•	•	•	•	•	•	•			581-055-S	
MKS® Front Pad	•	•	•	•	•	•	•	•			761-051-S	
MKS® Body belt mobil size 1	•										581-301-S	
MKS® Body belt mobil size 2		•									581-302-S	
MKS® Body belt mobil size 3			•								581-303-S	
MKS® Body belt mobil size 4				•							581-304-S	
MKS® Body belt mobil size 5					•						581-305-S	
MKS® Body belt mobil size 6						•					581-306-S	
MKS® Body belt mobil size 51								•			581-3051-S	
MKS® Body belt mobil size 61									•		581-3061-S	
MKS® Lumbo Back cover Height 1	•	•	•	•					•	•	422-016-S	
MKS® Lumbo Back cover Height 2					•	•					422-017-S	
Lateral double straps size 1	•										581-201-S	
Lateral double straps size 2		•									581-202-S	
Lateral double straps size 3			•								581-203-S	
Lateral double straps size 4				•							581-204-S	
Lateral double straps size 5					•						581-205-S	
Lateral double straps size 6						•					581-206-S	
Lateral double straps size 51								•			581-2051-S	
Lateral double straps size 61									•		581-2061-S	
Dorsal rod Set 24 / 26 cm Spring band steel	•	•									221-020-S	
Dorsal rod Set 28 cm Spring band steel			•	•				•	•		221-021-S	
Dorsal rod Set 34 cm Spring band steel					•	•					221-022-S	

## Lumbar bandage

### Indications

- Lower back pain
- Moderately severe lumbar sciatica with slight failures in intervertebral disc protrusion/prolapse
- Moderately severe radicular lumbar syndrome, pseudo-radicular lumbar syndrome
- Spondylolisthesis, grade I with lumbago
- Moderately severe lumbar deformity (relapsing treatment, complicated course)
- Condition after intervertebral disc surgery with small up to medium-sized prolapse
- Spondylarthrosis
- Sacroiliac joint irritation
- Lumbar muscle insufficiency

### Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with hook and loop fastener
- Bridging rods (spring band steel)
- Stable bridging frame that adjusts to contour, with window



### Mode of Operation

The MKS® Lumbo fenestra functions according to the bridging principle. The wide bandage with the additional lateral double straps straightens and hence relieves the lumbar vertebral column. The stable bridging frame that adjusts to contour contains a window for easy access to the wound and pressure relief of the injured area.

### Size chart and article numbers

Size	Body circumference	Abdominal height	Height of back piece	Art.-No.
1	60 - 70 cm	18 cm	32 cm	790-11
2	70 - 80 cm	18 cm	32 cm	790-21
3	80 - 90 cm	18 cm	34 cm	790-31
4	90 - 105 cm	18 cm	34 cm	790-41
5	105 - 120 cm	18 cm	38 cm	790-51
6	120 - 135 cm	18 cm	38 cm	790-61



T9 - L5





# MKS® Extensa

## Three-Point-Fixation

### Sizes



This product is available in pediatric sizes.

### Indications

- Stable vertebral body fractures
- Postsurgical stabilisation
- Osteoporosis

### Features

- Adjustable, stable aluminium profiles
- Padded pelottes
- Individual strap course
- Compression padding for the waist
- Clip fastener for easy handling



### Mode of Operation

The MKS® Extensa functions according to the 3-Point-Principle.

Front- and back piece straighten and hence relieve the vertebral column. Focused compression between iliac crest and thorax relieves the lumbar vertebral column further.









### Size chart and article numbers

Size	Body circumference	Height of front piece	Height of back piece	Art.-No.
S	70 - 125 cm	40 - 47 cm	28 cm	706C
M	70 - 125 cm	48 - 53 cm	28 cm	706A
L	70 - 125 cm	54 - 59 cm	28 cm	706B

Optional Front rod 32 cm – Art.-No.: 221-014-S  
(for chest height 35 - 40 cm)




## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 706..			Art.-No.	
	S	M	L		
MKS® Front rod 38 cm	•			221-015-S	
MKS® Front rod 44 cm		•		221-016-S	
MKS® Front rod 50 cm			•	221-017-S	
MKS® Sternal pad	•	•	•	761-041-S	
MKS® Abdominal plate	•	•	•	761-042-S	
MKS® Symphyseal pad	•	•	•	761-043-S	
MKS® Dorsal plate	•	•	•	761-049-S	
MKS® Extensa/Extensa plus Strap Set	•	•	•	706-gt	

# MKS® Extensa plus

## Three-Point-Fixation

### Sizes

 This product is available in pediatric sizes.

### Indications

- Stable vertebral body fractures
- Postsurgical stabilisation
- Osteoporosis

### Features

- Adjustable, stable aluminium profiles
- Padded pelottes
- Individual strap course
- Compression padding for the waist
- Adjustable, firm back plate
- Clip fastener for easy handling



**Optionally** a gluteal brace can be used for further limitation of the lateral flexion.

### Mode of Operation

The MKS® Extensa plus functions according to the 3-Point-Principle. Front- and back piece straighten and hence relieve the vertebral column. Focused compression between iliac crest and thorax relieves the lumbar vertebral column further.

### Size chart and article numbers














Size	Body circumference	Height of front piece	Height of back piece	Art.-No.
S	70 - 125 cm	40 - 47 cm	27 - 31 cm	711C
M	70 - 125 cm	48 - 53 cm	27 - 31 cm	711A
L	70 - 125 cm	54 - 59 cm	33 - 38 cm	711B

Optional front rod 32 cm – Art.-No.: 221-014-S  
(for chest height 35 - 40 cm)



L1 - L5

## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 711..			Art.-No.	
	S	M	L		
MKS® Front rod 38 cm	•			221-015-S	
MKS® Front rod 44 cm		•		221-016-S	
MKS® Front rod 50 cm			•	221-017-S	
MKS® Dorsal rod Set 25 cm	•	•		221-005-S	
MKS® Dorsal rod Set 32 cm			•	221-006-S	
MKS® Sternal pad	•	•	•	761-041-S	
MKS® Abdominal pad	•	•	•	761-042-S	
MKS® Symphyseal pad	•	•	•	761-043-S	
MKS® End plate large		•	•	761-044-S	
MKS® Pelvic fastener element	•	•	•	761-046-S	
MKS® End plate small	••	•	•	761-045-S	
MKS® Extensa/Extensa plus Strap Set	•	•	•	706-gt	
MKS® Gluteal brace (optionally)				771-mp01	

# MKS® Thorecta

## Three-Point-Fixation

### Sizes



This product is available in pediatric sizes.

### Indications

- Stable vertebral body fractures
- Scheuermann's disease
- Postsurgical stabilisation
- Tumor
- Spondylitis

### Features

- Adjustable, stable aluminium profiles
- Padded pelottes
- Individual strap course
- Compression padding for the waist
- Additional firm thorax support
- Clip fastener for easy handling

**Optionally** a gluteal brace can be used for further limitation of the lateral flexion.

### Mode of Operation

The MKS® Thorecta functions according to the 3-Point-Principle.

Front- and back piece straighten and hence relieve the vertebral column. The wide thorax support limits the lateral flexion of the spine to further immobilize and relieve the vertebral column. Focused compression between iliac crest and thorax relieves the lumbar vertebral column further.

### Size chart and article numbers

Size	Body circumference	Height of front piece	Height of back piece	Art.-No.
S	70 - 125 cm	40 - 47 cm	33 - 38 cm	731C
M	70 - 125 cm	48 - 53 cm	33 - 38 cm	731A
L	70 - 125 cm	54 - 59 cm	40 - 45 cm	731B














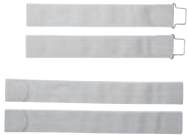

Optional front rod 32 cm – Art.-No.: 221-014-S  
(for chest height 35 - 40 cm)



T9 - L5



## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 731..			Art.-No.	
	S	M	L		
MKS® Front rod 38 cm	•			221-015-S	
MKS® Front rod 44 cm		•		221-016-S	
MKS® Front rod 50 cm			•	221-017-S	
MKS® Dorsal rod Set 32 cm	•	•		221-006-S	
MKS® Dorsal rod Set 39 cm			•	221-007-S	
MKS® Sternal pad	•	•	•	761-041-S	
MKS® Abdominal plate	••	••	••	761-042-S	
MKS® Symphyseal pad	•	•	•	761-043-S	
MKS® Thoracic support	•	•	•	761-047-S	
MKS® Pelvic fastener element	•	•	•	761-046-S	
MKS® End plate large			•	761-044-S	
MKS® End plate small	•	•		761-045-S	
MKS® Double strap loop	•	•	•	451-001-S	
MKS® Thorecta Strap Set	•	•	•	731-gt	
MKS® Gluteal brace (optionally)				771-mp01	

# MKS® Thorecta plus

## Three-Point-Fixation

### Sizes



This product is available in pediatric sizes.

### Indications

- Stable vertebral body fractures
- Scheuermann's disease
- Postsurgical stabilisation
- Tumor
- Spondylitis

### Features

- Adjustable, stable aluminium profiles
- Padded pelottes
- Individual strap course
- Compression padding for the waist
- Additional firm thorax support
- Reclination straps
- Clip fastener for easy handling



**Optionally** a gluteal brace can be used for further limitation of the lateral flexion.

### Mode of Operation

The MKS® Thorecta plus functions according to the 3-Point-Principle.

Front- and back piece straighten and hence relieve the vertebral column. The wide thorax support limits the lateral flexion of the spine to further immobilize and relieve the vertebral column. The reclination straps straighten the vertebral column further and minimize rotation. Focused compression between iliac crest and thorax relieves the lumbar vertebral column further.

### Size chart and article numbers

Size	Body circumference	Height of front piece	Height of back piece Reclination	Art.-No.
S	70 - 125 cm	40 - 47 cm	52 - 56 cm	751C
M	70 - 125 cm	48 - 53 cm	59 - 63 cm	751A
L	70 - 125 cm	54 - 59 cm	66 - 70 cm	751B

Opt. front rod 32 cm – Art.-No.: 221-014-S (for chest height 35 - 40 cm)

Opt. Reclination rod 46 cm – Art.-No.: 221-026-S (for height of back piece 48 - 51 cm)





## Modules for the modular assembly

Name	Included as standard in the products Art.-No. 751..			Art.-No.	
	S	M	L		
MKS® Front rod 38 cm	•			221-015-S	
MKS® Front rod 44 cm		•		221-016-S	
MKS® Front rod 50 cm			•	221-017-S	
MKS® Reclination rod Set 51 cm	•			221-008-S	
MKS® Reclination rod Set 58 cm		•		221-009-S	
MKS® Reclination rod Set 65 cm			•	221-010-S	
MKS® Sternal pad	•	•	•	761-041-S	
MKS® Abdominal plate	•	•	•	761-042-S	
MKS® Symphyseal pad	•	•	•	761-043-S	
MKS® End plate large	•	•	••	761-044-S	
MKS® Thoracic support	•	•	•	761-047-S	
MKS® Pelvic fastener element	•	•	•	761-046-S	
MKS® End plate small	•	•		761-045-S	
MKS® Double strap loop	•	•	•	451-001-S	
MKS® Thorecta plus Strap Set	•	•	•	751-gt	
MKS® Gluteal brace (optionally)				771-mp01	

# MKS® Core Compression Bandage

## Compression bandage

### Indications

- Prevention of blood congestion
- Support during transfer

### Features

- Semi-elastic bandaging material
- Abdominal piece with hook and loop fastener
- Individual strap course
- Detachable lateral double straps

### Mode of Operation

The function of the MKS® Core Compression Bandage is based on the principle of compression. The stomach part, which consists of several straps can be individually adapted to the patient's needs by means of a side binding piece. This produces a compression pressure on the lower abdomen and can thus counteract blood retention.



### Size chart and article numbers

#### MKS® Core Compression Bandage (4 straps)

Size	Body circumference	Abdominal height	Height of back piece	Art.-No.
1	60 - 70 cm	32 cm	32 cm	583-001-S
2	70 - 80 cm	32 cm	32 cm	583-002-S
3	80 - 90 cm	34 cm	34 cm	583-003-S
4	90 - 105 cm	34 cm	34 cm	583-004-S
5	105 - 120 cm	34 cm	34 cm	583-005-S
6	120 - 135 cm	34 cm	34 cm	583-006-S

#### MKS® Core Compression Bandage (3 straps)

Size	Body circumference	Abdominal height	Height of back piece	Art.-No.
1	60 - 70 cm	22 cm	22 cm	583-001N-S
2	70 - 80 cm	22 cm	22 cm	583-002N-S
3	80 - 90 cm	22 cm	22 cm	583-003N-S
4	90 - 105 cm	22 cm	22 cm	583-004N-S
5	105 - 120 cm	22 cm	22 cm	583-005N-S
6	120 - 135 cm	22 cm	22 cm	583-006N-S

Optionally side binding pieces for additional compression.



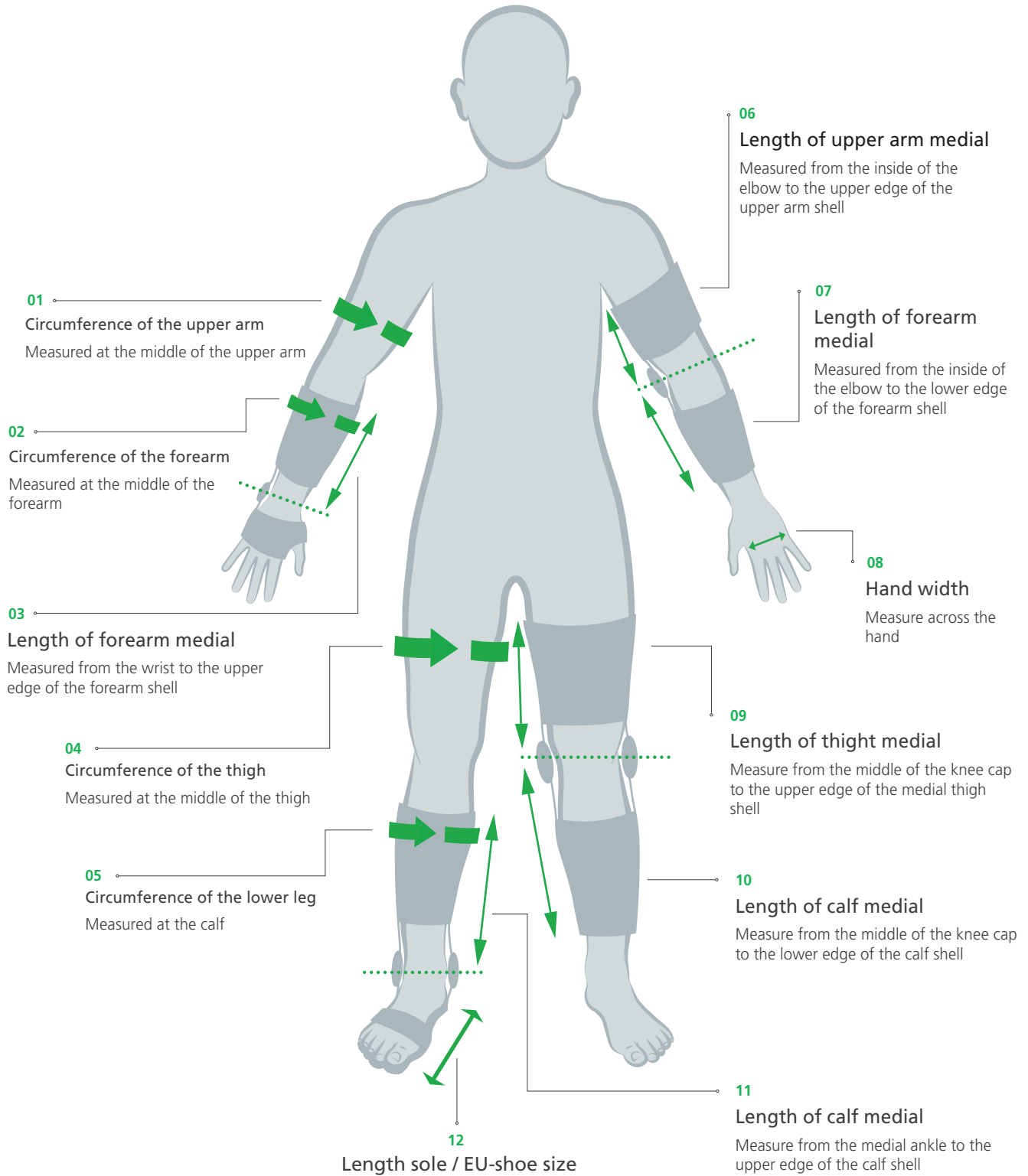
Optionally side binding pieces

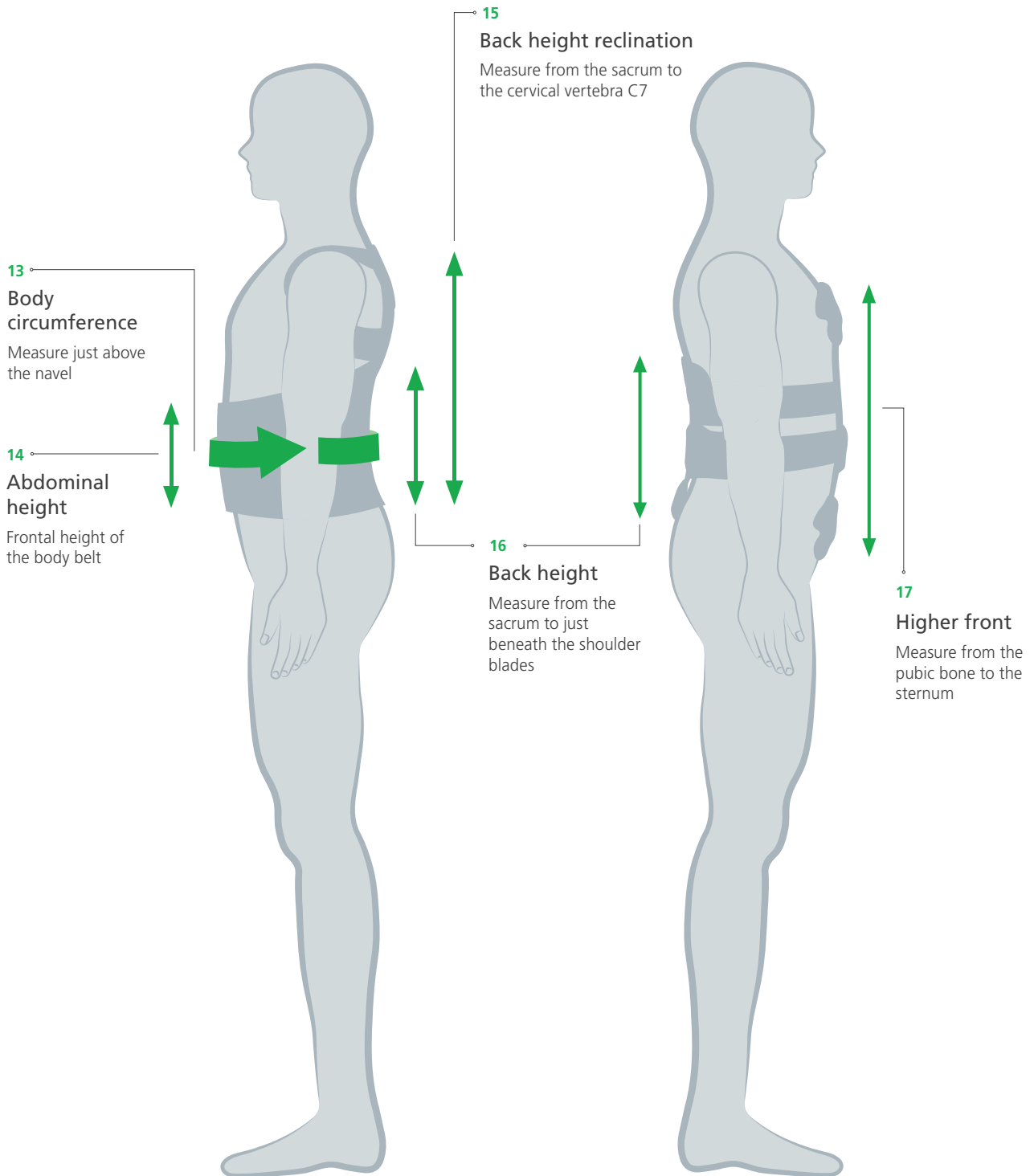


Spinal  
orthoses

# Measurement Chart

Noch nicht richtig übersetzt





# Our entire portfolio

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Here you can find the albrecht-products for neurology and pediatrics.



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