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Rehabilitation can support the healing of traumatised structures – both after surgical procedures and as part of conservative treatments. At the same time, rehabilitation means coming to terms with new physical conditions and adapting to changed circumstances.

Functional rehabilitation has many faces: the recreational athlete after a snowboarding accident, the child after falling off a swing, the grandfather with osteoporosis, the stroke patient, the slipped disc after heavy lifting, the golfer with chronic knee pain, the posterior cruciate ligament injury after a skiing holiday or a stroke before birth.

Our care services are as diverse as the people we support. Driven by innovation and scientific progress, we are constantly working to further develop our treatment concepts. Since 1995, we have been working hand in hand with doctors, therapists and technicians to achieve this. Interdisciplinary cooperation forms the foundation of everything we do.

**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 - this sentence has been with us for a long time. People cannot be categorized, and this has never been more relevant than today.

Not least because of our production site in Upper Bavaria and the albrecht principle of modularity, we can produce modular changes and size modifications according to your wishes.

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# Functional orthoses

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## Full physiological mobility

Functional orthoses serve to relieve and stabilise the joint and ligament apparatus after trauma and surgery. Their task is to protect joints and ligaments during rehabilitation without unnecessarily restricting mobility.

Our orthoses provide protection and guidance during the healing process and enable a gradual, controlled return to full physiological mobility.

### **Professor Eijnar Eriksson, M.D.**

An extension deficit is one of the most debilitating complications following surgical treatment of the anterior cruciate ligament. We suspect that one of the reasons for this complication is the slight flexion position (protective posture) of the knee joint after surgery. The use of the albrecht Hypex®Lite knee brace with a setting of  $-5^{\circ}$  postoperatively seems to be a very simple way to prevent extension deficits.

### **Mikkelsen, C., Cerulli, G., Lorenzini, M. et al. (2003)**

Can a post-operative brace in slight hyperextension prevent extension deficit after anterior cruciate ligament reconstruction?

In: Knee Surgery, Sports Traumatology, Arthroscopy, Jg. 11, H. 5, S. 318–321, <https://doi.org/10.1007/s00167-003-0406-3>

# Hypex® Lite Knee Brace

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

**Patents** DE 199 33 197 / EP 0 956 837 / US 6,375,632 / EP 3 761 920 / EP 3 761 921

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

### Indications

- 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

- Individually adjustable shell and strap system
- Easy handling and high wearing comfort
- Stops in extension and flexion can be adjusted without tools
- Brace can be adjusted to the leg during the healing process
- **Hypex® Lite L/L, M/L, L/M, M/S:**
  - Anatomically shaped with aluminium shells and quick-release fasteners on the upper and lower leg
  - ROM joint adjustable in 15° increments
  - Continuous fine adjustment of extension from -15° to 45°
  - Flexion adjustable from 0° to 90° (max. flexion 130°)
  - Continuously adjustable immobilisation from -15° to 45
- **Hypex® Lite S/S, XS/XS, XXS:**
  - Textile shells on upper and lower leg
  - ROM Nano joint adjustable in 10° increments
  - Extension adjustable from -10° to 100°
  - Flexion adjustable from 10° to 130
  - Immobilisation of the Brace adjustable from -10° to 100



### 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

Size	L/L	L/M	M/L	M/S	S/S	XS/XS	XXS
<b>Hinge</b>	ROM Hinge				ROM Nano Hinge		
<b>Shells</b>	PE Shells				Textile Shells (black)		
<b>Length at thigh medial [cm]*</b>	24	19 - 23	18 - 21	17 - 20	18	15	12
<b>Length at calf medial [cm]*</b>	26,5	25 - 28	20 - 23	21 - 25	20	18	15
<b>Circumference at thigh [cm]</b>	36 - 66	33 - 43	36 - 66	30 - 40	30 - 40	25 - 35	20 - 30
<b>Circumference at calf [cm]</b>	27 - 47	24 - 35	27 - 47	22 - 32	22 - 32	20 - 30	15 - 25
<b>Art.-No. left</b>	804LL-L	804LM-L	804ML-L	804MS-L	804SS-L	804XSXS-L	804XXS-L
<b>Art.-No. right</b>	804LL-R	804LM-R	804ML-R	804MS-R	804SS-R	804XSXS-R	804XXS-R

\*in combination with the respective shell set

Other sizes available on request

## Hypex® Lite – for all stages of rehabilitation

The Hypex® Lite Knee Brace is used in all phases of rehabilitation from post-op/posttrauma to full recovery and enables gradual and individual adjustment to full physiological extension corresponding to the contralateral side.

Hinge medial  
(monocentric)



Hinge lateral  
(polycentric)



For Sizes:

L/L

L/M

M/L

M/S

The extension can be fixed at any angle to prevent contractures from developing in the early post-operative phase.

The ability to fine-tune the stop function in the extension to accommodate the individual's maximum range of motion proved to be extremely functional during the series of measurements.<sup>1</sup>

The mixed hinge arrangement (polycentric lateral and monocentric medial) prevents excessive forces on the knee joint.<sup>2</sup>

<sup>1</sup> BASIS Institute Munich of TÜV Product Service GmbH. *Study commissioned by albrecht GmbH to determine the stabilising properties of the Hypex® Lite knee orthosis in comparison on the basis of a knee simulator as part of an overall assessment.* August 2000, Munich, p. 42. (The study can be requested from Albrecht GmbH, Chiemseestraße 81, 83233 Bernau am Chiemsee).

<sup>2</sup> dré R.-Baehler. *Orthopaedic indications.* 1st edition 1996, Verlag Hans Huber, Bern, pp. 184-185.

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

When combining modules of different sizes, we recommend consulting albrecht to ensure the compatibility of the modules.

### Thigh Shell Sets

Size	S/S	XS/XS	XXS
Shells	Textile shells (black)		
Circumference at thigh [cm]	30 - 40	25 - 35	20 - 30
Art.-No. left	832SS-L	832XSXS-L	832XXS-L
Art.-No. right	832SS-R	832XSXS-R	832XXS-R



### Hinge Sets

Size	S	XS	XXS
Use for	S/S	XS/XS	XXS
Hinge	ROM Nano Hinge		
Length at thigh medial [cm]*	18	15	12
Length at calf medial [cm]*	20	18	15
Art.-No. left	820-820-S	820-822-S	820-824-S
Art.-No. right	820-821-S	820-823-S	820-825-S



\*in combination with the respective shell set

### Calf Shell Sets

Size	S/S	XS/XS	XXS
Shells	Textile Shells (black)		
Circumference at calf [cm]	22 - 32	20 - 30	15 - 25
Art.-No. left	833SS-L	833XSXS-L	833XXS-L
Art.-No. right	833SS-R	833XSXS-R	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 / EP 3 352 713 / further patents pending

**Sizes**  This product is also 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 tension can be switched on and off without tools whilst retaining the set pressure force at the calf shell
- ROM possible from 0° to 120°
- Extension limitation 0° / 15° / 30° / 45°
- Flexion limitation 60° / 75° / 90° / 105° / 120°
- Immobilisation 0° / 15° / 30° / 45° / 60° / 75° / 90° / 105° / 120°
- High flexibility due to adjustable, customisable thigh shells
- High wearing comfort thanks to breathable, lightweight aluminium thigh shells
- Anatomically shaped tibia shell to improve pressure distribution
- Individually adjustable strap system
- 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.

### Size chart and article numbers

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

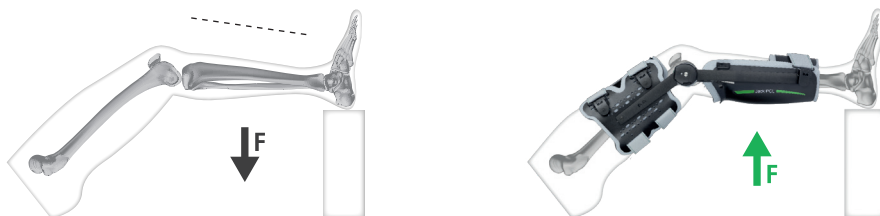
\*in combination with the respective shell set

Other sizes available on request

## 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.




## Modules for the modular assembly

When combining modules of different sizes, we recommend consulting albrecht to ensure the compatibility of the modules.


### Thigh Shell Sets

Size	L	LM	M	S
Circumference at calf [cm]	36 - 66	33 - 43	36 - 66	30 - 40
Art.-No. left	830L-L	830LM-L	830M-L	830S-L
Art.-No. right	830L-R	830LM-R	830M-R	830S-R



### Hinge Sets


Size	L				M			S
Use for	L/L	L/M	L/S	LM/S	M/L	M/M	M/S	S/XS
Length at thigh medial [cm]*	23 - 25,5				18,5 - 21			17,5 - 20
Length at calf medial [cm]*	34	32	31	31	27	27	27	24
Art.-No. left	870-300-L				870-310-L			870-320-L
Art.-No. right	870-300-R				870-310-R			870-320-R



\*in combination with the respective shell set

### Calf Shell Sets

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



# gonasan SPORT OA Knee Brace

Knee Brace for relief using the three-point principle, adjustable

## Indications

- Early to moderate varus gonarthrosis
- Genu varum
- Early to moderate valgus gonarthrosis
- Genu valgum
- Mild knee instability

## Features

- Physiological knee position thanks to 3-point principle
- Elastic knitted mesh provides stabilisation and cushioning
- Easy positioning thanks to patella cut-out and non-elastic Velcro fasteners
- Extension limitation 0° / 30°
- Flexion limitation 30° / 60° / 90° / 120°
- Low weight and slim design due to restriction to functional components

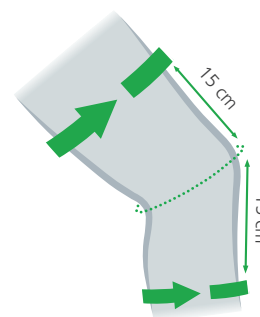
## Mode of operation

The gonasan SPORT OA Knee Brace is a soft orthosis that uses the 3-point principle to change the flow of force in the knee joint. The redistribution of load prevents further reduction of the knee joint space and relieves pressure on the painful area. Light compression of the tissue surrounding the knee joint subconsciously reminds the user to put the correct amount of weight on their knee joint (proprioception). At the same time, the knee is stabilised, guided and limited.



## Size chart and article numbers

Size	One size	
Circumference at thigh [cm] (see diagram)	40 - 50	
Circumference at calf [cm] (see diagram)	31 - 41	
Art.-No. left*	varus on the left leg (lateral relief)	400-L
	valgus on the right leg (medial relief)	
Art.-No. right**	valgus on the left leg (medial relief)	400-R
	varus on the right leg (lateral relief)	



\* A left orthosis is suitable for lateral gonarthrosis on the left leg and medial gonarthrosis on the right leg  
 \*\* A right orthosis is suitable for lateral gonarthrosis on the right leg and medial gonarthrosis on the left leg



Functional  
orthoses



## Functional elbow orthosis with ROM limitation

**Patents** EP 0 956 837 / US 6,375,632 / EP 3 761 920 / EP 3 761 921

**Sizes**  This product is also 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

### Features

- individual adjustment of shells and straps
- easy handling and high wearing comfort
- flexion and extension limits may be adjusted without tools
- Brace can be adjusted to the arm during the healing process
- **Elbo-track L/L and M/M:**
  - Anatomically shaped with aluminium shells and quick-release fasteners on the upper and forearm
  - ROM hinge adjustable in 15° increments
- **Elbo-track S/S and XS/XS:**
  - Continuous fine adjustment of extension from 0° to 135°
  - Flexion adjustable from 0° to 120°
  - Immobilisation adjustable from 0° to 135°
  - Textile shells on the upper and forearm
  - ROM Nano hinge adjustable in 10° increments
  - Extension adjustable from -10° to 100°
  - Flexion adjustable from 0° bis 120°
  - Immobilisation of the brace adjustable from -10° to 100°



### Mode of operation

The **Elbo-track** 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

Size	L/L	M/M	S/S	XS/XS
<b>Hinge</b>	ROM Hinge		ROM Nano Hinge	
<b>Shells</b>	Aluminium Shells		Aluminium Shells and Textile Shells (black)	
<b>Length at upper arm medial [cm]</b>	17 - 21	17 - 20,5	17 - 20	14 - 17
<b>Length at forearm [cm]</b>	20 - 25	19 - 23	17,5	14,5
<b>Circumference at upper arm [cm]</b>	28 - 39	20 - 30	15 - 21	12 - 17
<b>Circumference at forearm [cm]</b>	22 - 30	18 - 24	14 - 19	12 - 14
<b>Art.-No. left</b>	850LL-L	850MM-L	850SS-L	850XSXS-L
<b>Art.-No. right</b>	850LL-R	850MM-R	850SS-R	850XSXS-R

Supplied with handle as standard.

Other sizes available on request

## Optional accessories

	width	Art.-No. left	Art.-No. right
handle L		991L-HL	991L-HR
handle S (JUNIOR)		991S-HL	991S-HR
adjustable handle L		993L-HL	993L-HR
adjustable handle S (JUNIOR)		993S-HL	993S-HR
adjustable hand rest L	10 cm	994L-HL	994L-HR
adjustable hand rest M	8 cm	994M-HL	994M-HR
adjustable hand rest S (JUNIOR)	6 cm	994S-HL	994S-HR
carrying strap L		580-200-S	
carrying strap S (JUNIOR)		580-210-S	

**Adjustable handle:**  
Infinitely adjustable immobilisation from 70° pronation to 70° supination.

**Adjustable hand rest:**  
With angle adjustment – proven technology from the CDS® wrist brace

# taluir® 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
- 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

- 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

### Mode of operation

The taluir® 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	S	M	L	M	L
<b>Body height [cm]</b>	under 158	158 - 163	from 163	up to 163	from 163
<b>Colour</b>	white	white	white	black	black
<b>Art.-No. left</b>	600S-L	600M-L	600L-L	600MS-L	600LS-L
<b>Art.-No. right</b>	600S-R	600M-R	600L-R	600MS-R	600LS-R

Other sizes available on request

# 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
- 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 consists 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.

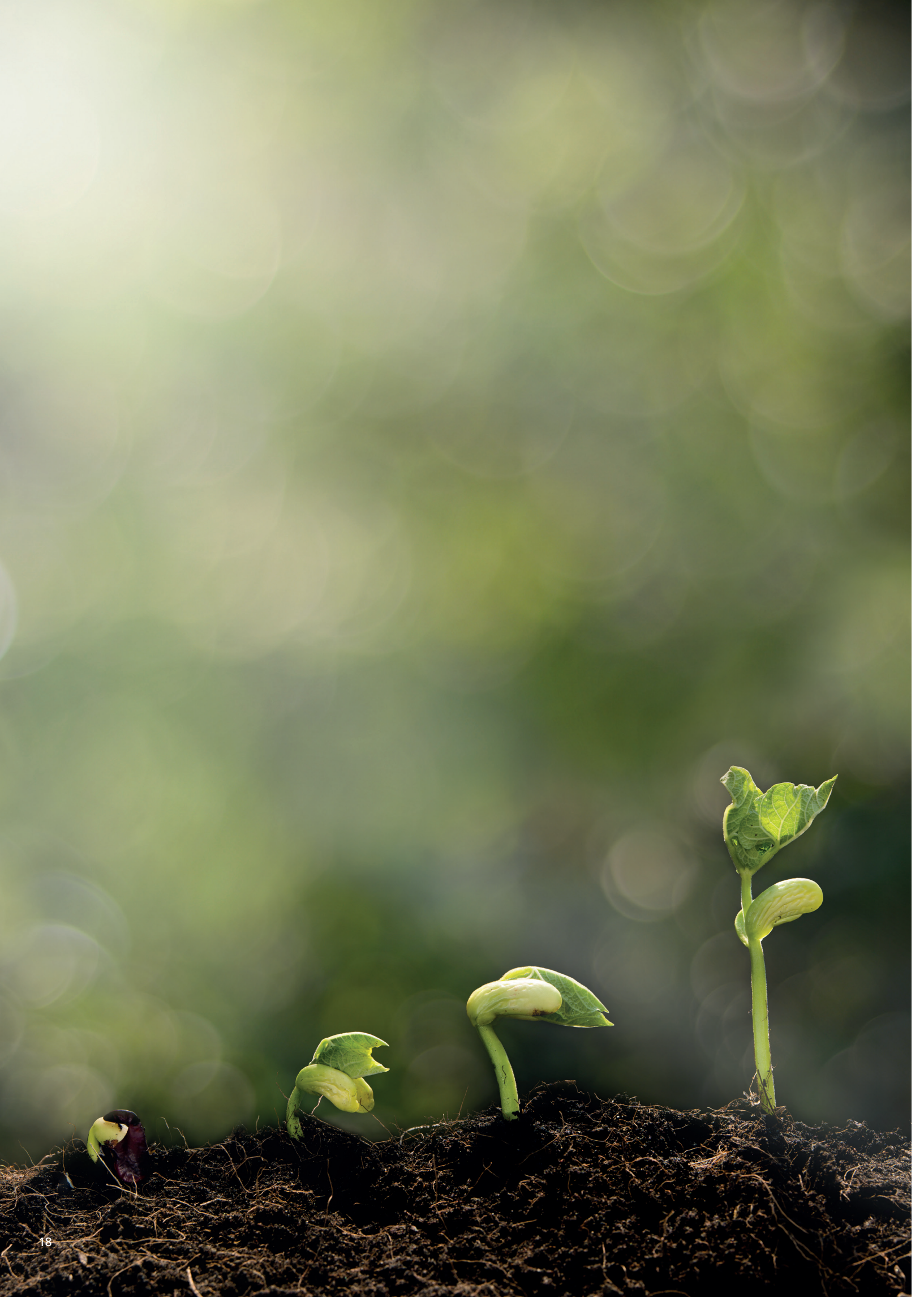


Functional  
orthoses

## Size chart and article numbers

Size	S	M	L	M	L
<b>Body height [cm]</b>	under 158	158 - 163	from 163	up to 163	from 163
<b>Colour</b>	white	white	white	black	black
<b>Art.-No. left</b>	610S-L	610M-L	610L-L	610MS-L	610LS-L
<b>Art.-No. right</b>	610S-R	610M-R	610L-R	610MS-R	610LS-R

Other sizes available on request



# CDS® - orthoses for dynamic correction

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## CDS® – Controlled-Dynamic-Stretch

### Spring back to life

Restricted movement following trauma, surgery, neurological conditions or burns can cause pain and severely impair quality of life. Effective help often requires a complex therapy concept and close cooperation between doctors, therapists and technicians.

Our CDS® braces are an innovative aid that supports patients on their way back to a "life in motion" as part of an overall concept.

### Don't tear, let it grow

The aim of the therapy is to slowly stretch the shortened tissue as much as possible. The use of CDS® orthoses is intended to support physiotherapeutic treatment. Our CDS® orthoses contain an adjustable brace that exerts a continuous, adjustable stretching stimulus on the tissue through a controllable, dynamic spring force. The continuous tension of the spring joint stimulates the growth of shortened tissue while maintaining movement. Continuous stretching with low force (creep stretching) combined with cyclic tissue loading, for example when walking, stimulates metabolism and blood circulation in the contracted tissue. This allows a normal level of stress and movement profile to be achieved again. The individually adjustable spring force is indicated by a gauge and can be deactivated when putting on and taking off the orthosis, as well as during therapy breaks. The shell construction of the orthoses ensures high wearing comfort and optimal pressure distribution. The adjustable limitation of the redressment range protects the tissue from harmful or painful overstretching.

### Dr. rer. med. Lieske van der Stam

The use of CDS® orthoses can lead to a significant improvement in PROM after a relatively short period of treatment.

### Van der Stam, L., Drossel, K., Schneider, J. & Kaindl, A. M. (2025)

Innovative controlled dynamic stretching orthotics for easy everyday use in children and adolescents. In: Minerva Pediatrics, Jg. 77, [online], <https://doi.org/10.23736/S2724-5276.25.07515-9>

# 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 also 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
- rupture of muscle fibre in the quadriceps
- patella tendon tear
- quadriceps weakness
- conservative, post-surgical for all indications that contraindicate active extension of the knee

### 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.

### Features

- activation of the extensors and stretching of the flexors
- easy handling and high wearing comfort
- Individually adjustable shell and strap system
- spring tension individually adjustable
- spring tension can be switched on and off without tools and without varying the set spring tension
- Brace can be adjusted to the leg during the healing process
- **CDS® Knee Brace Extension L/L, L/M, M/L, M/S:**
  - Anatomically shaped with aluminium shells and quick-release fasteners on the upper and lower leg
  - Continuous adjustment of the extension stop from -15° (hyperextension) to +30°
  - Flexion limitation adjustable from 0° to 60° in 15° increments
- **CDS® Knee Brace Extension S/S, XS/XS, XXS with CDS® Nano Hinge:**
  - Lightweight textile shell elements on the upper and lower leg
  - adjustment of the redression range in 10° steps



## Size chart and article numbers



Size	L/L	L/M	M/L	M/S	S/S	XS/XS	XXS
Hinge	CDS® Hinge				CDS® Nano Hinge		
Shells	Aluminium shells				Textile shells (black)		
Length at thigh medial [cm]*	23 - 25,5	21,5 - 24	18,5 - 21	17,5 - 20	18	15	12
Length at calf medial [cm]*	26,5 - 29	26,5 - 29	20,5 - 23,5	20,5 - 22,5	20	18	15
Circumference at thigh [cm]	36 - 66	33 - 43	36 - 66	30 - 40	30 - 40	25 - 35	20 - 30
Circumference at calf [cm]	27 - 47	24 - 35	27 - 47	22 - 32	22 - 32	20 - 30	15 - 25
Art.-No. left	901LL-L	901LM-L	901ML-L	901MS-L	901SS-L	901XSXS-L	901XXS-L
Art.-No. right	901LL-R	901LM-R	901ML-R	901MS-R	901SS-R	901XSXS-R	901XXS-R

\*in combination with the respective shell set

Dynamic orthoses

## Size chart and article numbers - JUNIOR series



Size	Junior		Bambini		Malinki	
Hinge	CDS® Nano Hinge					
Shells	Textile Shells (coloured)					
Length at thigh medial [cm]*	18		15		12	
Length at calf medial [cm]*	20		18		15	
Circumference at thigh [cm]	30 - 40		25 - 35		20 - 30	
Circumference at calf [cm]	22 - 32		20 - 30		15 - 25	
Art.-No.	left	right	left	right	left	right
Pink	901SS-PL	901SS-PR	901XSXS-PL	901XSXS-PR	901XXS-PL	901XXS-PR
Green	901SS-GL	901SS-GR	901XSXS-GL	901XSXS-GR	901XXS-GL	901XXS-GR
Blue	901SS-BL	901SS-BR	901XSXS-BL	901XSXS-BR	901XXS-BL	901XXS-BR
Orange	901SS-OL	901SS-OR	901XSXS-OL	901XSXS-OR	901XXS-OL	901XXS-OR

\*in combination with the respective shell set

Other sizes available on request

## Modules for the modular assembly

When combining modules of different sizes, we recommend consulting albrecht to ensure the compatibility of the modules.

### Thigh Shell Sets



Size	L/L	L/M	M/L	M/S	S/S	XS/XS	XXS
Shells	Aluminium Shells				Textile Shells (black)		
Circumference at thigh [cm]	36 - 66	33 - 43	36 - 66	30 - 40	30 - 40	25 - 35	20 - 30
Art.-No. left	820LL-L	820LM-L	820ML-L	820MS-L	820SS-L	820XSXS-L	820XXS-L
Art.-No. right	820LL-R	820LM-R	820ML-R	820MS-R	820SS-R	820XSXS-R	820XXS-R

### Hinge Sets CDS® Knee Brace Extension



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

\*in combination with the respective shell set

### Calf Shell Sets



Size	L/L	L/M	M/L	M/S	S/S	XS/XS	XXS
Shells	Aluminium shells				Textile shells (black)		
Circumference at calf [cm]	27 - 47	24 - 35	27 - 47	22 - 32	22 - 32	20 - 30	15 - 25
Art.-No. left	821LL-L	821LM-L	821ML-L	821MS-L	821SS-L	821XSXS-L	821XXS-L
Art.-No. right	821LL-R	821LM-R	821ML-R	821MS-R	821SS-R	821XSXS-R	821XXS-R

Other sizes available on request

## Modules for the modular assembly - JUNIOR

When combining modules of different sizes, we recommend consulting albrecht to ensure the compatibility of the modules.

### Thigh Shell Sets



Size	Junior		Bambini		Malinki	
Shells	Textile Shells (coloured)					
Circumference at thigh [cm]	30 - 40		25 - 35		20 - 30	
Art.-No.	left	right	left	right	left	right
Pink	820SS-PL	820SS-PR	820XSXS-PL	820XSXS-PR	820XXS-PL	820XXS-PR
Green	820SS-GL	820SS-GR	820XSXS-GL	820XSXS-GR	820XXS-GL	820XXS-GR
Blue	820SS-BL	820SS-BR	820XSXS-BL	820XSXS-BR	820XXS-BL	820XXS-BR
Orange	820SS-OL	820SS-OR	820XSXS-OL	820XSXS-OR	820XXS-OL	820XXS-OR

### Hinge Sets CDS® Knee Brace Extension



Size	Junior		Bambini		Malinki	
Hinge	CDS® Nano Hinge					
Length at thigh medial [cm]	18		15		12	
Length at calf medial [cm]	20		18		15	
Art.-No.	left	right	left	right	left	right
	870-120-L	870-120-R	870-125-L	870-125-R	870-126-L	870-126-R

### Calf Shell Sets



Size	Junior		Bambini		Malinki	
Shells	Textile Shells (coloured)					
Circumference at calf [cm]	22 - 32		20 - 30		15 - 25	
Art.-No.	left	right	left	right	left	right
Pink	821SS-PL	821SS-PR	821XSXS-PL	821XSXS-PR	821XXS-PL	821XXS-PR
Green	821SS-GL	821SS-GR	821XSXS-GL	821XSXS-GR	821XXS-GL	821XXS-GR
Blue	821SS-BL	821SS-BR	821XSXS-BL	821XSXS-BR	821XXS-BL	821XXS-BR
Orange	821SS-OL	821SS-OR	821XSXS-OL	821XSXS-OR	821XXS-OL	821XXS-OR

# 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 also 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
- conservative, post-surgical for all indications that contrindicate active flexion of the knee

### Features

- activation of flexors and stretching of extensors
- easy handling and high wearing comfort
- adjustable shell- and strap system
- spring tension individually adjustable
- spring tension can be switched on and off without tools and without varying the set spring tension
- Brace can be adjusted to the leg during the healing process
- **CDS® Knee Brace Flexion L/L, L/M, M/L, M/S:**
  - Anatomically shaped with aluminium shells and quick-release fasteners on the upper and lower leg
  - adjustment of the redression range in 15° steps
  - ROM limitation in extension and flexion adjustable in 15° increments
  - Continuous adjustment of extension from -15° (hyperextension) to +30°
  - Flexion limitation adjustable in 15° increments
- **CDS® Kneebrace Flexion S/S, XS/XS, XXS with CDS® Nano Hinge:**
  - Lightweight textile shell elements on the upper and lower leg
  - adjustment of the redression range in 10° steps



### 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

Size	L/L	L/M	M/L	M/S	S/S	XS/XS	XXS
<b>Hinge</b>	CDS® Hinge				CDS® Nano Hinge		
<b>Shells</b>	Aluminium Shells				Textile Shells (black)		
<b>Length at thigh medial [cm]</b>	23 - 25,5	21,5 - 24	18,5 - 21	17,5 - 20	18	15	12
<b>Length at calf medial [cm]</b>	26,5 - 29	26,5 - 29	20,5 - 23,5	20,5 - 22,5	20	18	15
<b>Circumference at thigh [cm]</b>	36 - 66	33 - 43	36 - 66	30 - 40	30 - 40	25 - 35	20 - 30
<b>Circumference at calf [cm]</b>	27 - 47	24 - 35	27 - 47	22 - 32	22 - 32	20 - 30	15 - 25
<b>Art.-No. left</b>	904LL-L	904LM-L	904ML-L	904MS-L	904SS-L	904XSXS-L	904XXS-L
<b>Art.-No. right</b>	904LL-R	904LM-R	904ML-R	904MS-R	904SS-R	904XSXS-R	904XXS-R

\*in combination with the respective shell set

Other sizes available on request

## Modules for the modular assembly

When combining modules of different sizes, we recommend consulting albrecht to ensure the compatibility of the modules.

### Thigh Shell Sets



Size	L/L	L/M	M/L	M/S	S/S	XS/XS	XXS
Shells	Aluminium Shells				Textile Shells (black)		
Circumference at thigh [cm]	36 - 66	33 - 43	36 - 66	30 - 40	30 - 40	25 - 35	20 - 30
Art.-No. left	820LL-L	820LM-L	820ML-L	820MS-L	820SS-L	820XSXS-L	820XXS-L
Art.-No. right	820LL-R	820LM-R	820ML-R	820MS-R	820SS-R	820XSXS-R	820XXS-R

### Hinge Sets CDS® Knee Brace Flexion



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

\*in combination with the respective shell set

### Calf Shell Sets



Size	L/L	L/M	M/L	M/S	S/S	XS/XS	XXS
Shells	Aluminium Shells				Textile Shells (black)		
Circumference at calf [cm]	27 - 47	24 - 35	27 - 47	22 - 32	22 - 32	20 - 30	15 - 25
Art.-No. left	821LL-L	821LM-L	821ML-L	821MS-L	821SS-L	821XSXS-L	821XXS-L
Art.-No. right	821LL-R	821LM-R	821ML-R	821MS-R	821SS-R	821XSXS-R	821XXS-R

# CDS® lock Knee Brace Extension

Knee orthosis for dynamic redression and stability with locking function of the knee joint

**Patents** EP 0 841 044 / US 5,954,677 / EP 3 352 713 / EP 3764 952 / further patents pending

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

## Indications

- Joint contracture, including as a result of:
  - vegetative state
  - Cerebral palsy
  - Genetic syndromes
  - Epilepsy
  - Spina bifida
  - Alcoholism
  - Burns
  - Stroke
  - Spinal cord injury
  - Paralysis
  - Traumatic brain injury
  - Capsular ligament injury
  - Surgical intervention
  - Before and after joint replacement
  - Osteoarthritis and chronic polyarthritis
- To prevent renewed contracture after arthrolysis
- Quadriceps muscle fibre tear
- Patellar tendon rupture
- Quadriceps weakness
- Conservative, post-operative for all indications where active
- extension of the knee is contraindicated

## Features

- Therapy in extension
- Individually adjustable spring force
- Tool-free activation and deactivation of the redression force without changing the set spring force
- Adjustment of the position of the redressment area via 360° feature
- Load-bearing, self-locking lock in the knee joint for standing therapy
- Permanent free wheel allows walking shorter transfer distances and use in walking therapy
- Individually adjustable shell and strap system
- Easy handling and high wearing comfort
- **CDS® lock Knee Brace Extension L/L, L/M, M/L, M/S:**
  - Extension stop adjustment in 15° increments
  - Remote control via Bowden cables and star knob for quick, tool-free activation/deactivation of the lock
  - One-handed control of the lock on both joints in the knee (medial/lateral) by connecting the Bowden cables in parallel
- **CDS® lock Knee Brace Extension S/S, XS/XS, XXS with CDS® lock Nano Hinge:**
  - Control of the lock directly on the joint via a slider
  - Lightweight textile shell elements on the upper and lower leg



## Mode of operation

The CDS® lock Knee Brace is based on the CDS® principle and is used to treat movement deficits in the knee joint. The brace stimulates the growth of shortened tissue through dynamic continuous traction. The redressment range can be adjusted in 10° increments to allow for individual end-range extension (adults and JUNIOR). To stabilise and secure the position, CDS® lock knee braces are equipped with a self-locking mechanism. The angle at which the lock engages can be individually adjusted and is 30° in the standard setting. Further extension of the knee engages additional locking stages. When the lock is engaged, the orthosis can fully absorb the patient's load, where enabled by standing therapy. The patient can lock or unlock the joint with one hand and without tools, either directly via a remote control on the orthosis (adults) or on the joint itself (JUNIOR). In unlock mode, the joint is permanently set to free movement. This enables walking over shorter transfer distances and use in walking therapy.

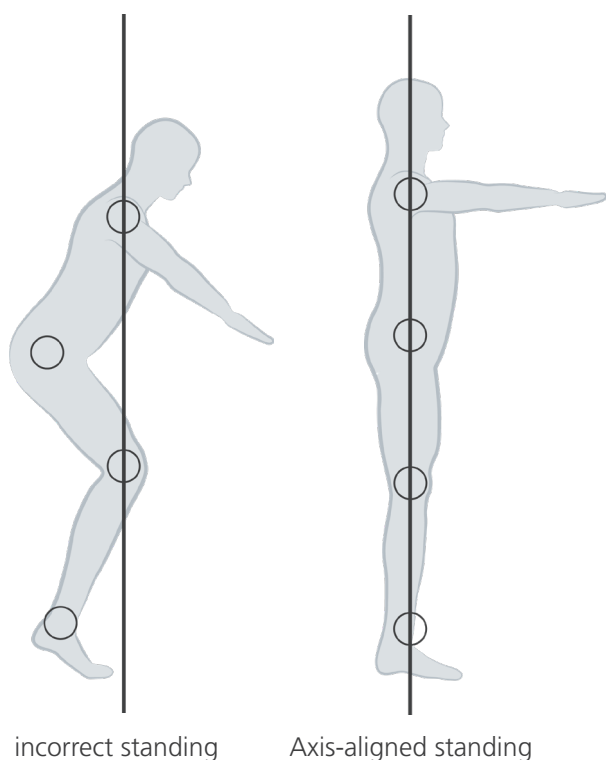
## Size chart and article numbers

Size	L/L	L/M	M/L	M/S	S/S	XS/XS	XXS
<b>Hinge</b>	CDS® lock Hinge				CDS® lock Nano Hinge		
<b>Shells</b>	Aluminium Shells				Textile Shells (black)		
<b>Length at thigh medial [cm]</b>	23 - 25,5	21,5 - 24	18,5 - 21	17,5 - 20	18	15	12
<b>Length at calf medial [cm]</b>	26,5 - 29	26,5 - 29	20,5 - 23,5	20,5 - 22,5	20	18	15
<b>Circumference at thigh [cm]</b>	36 - 66	33 - 43	36 - 66	30 - 40	30 - 40	25 - 35	20 - 30
<b>Circumference at calf [cm]</b>	27 - 47	24 - 35	27 - 47	22 - 32	22 - 32	20 - 30	15 - 25
<b>Art.-No. left</b>	910LL-L	910LM-L	910ML-L	910MS-L	910SS-L	910XSXS-L	910XXS-L
<b>Art.-No. right</b>	910LL-R	910LM-R	910ML-R	910MS-R	910SS-R	910XSXS-R	910XXS-R

\*in combination with the respective shell set

Other sizes available on request

Standing is a vertical posture in which the legs are stretched and the upper body is upright. The body weight is carried only by the feet. Standing is a dynamic process controlled by the CNS (central nervous system) and involves the sense of balance, proprioception, coordination and leg and trunk muscles. Patients with neuromotor disorders are often unable to stand unaided, which is why standing therapy is an important tool in treatment.



## Verticalisation promotes

- head, torso and posture control
- the cardiovascular system
- cerebral performance
- the development of joints and bones under load against gravity
- the development of the hip socket (acetabulum)
- hip stability and joint mobility perception
- participation in an active life

Dynamic orthoses

The concept of standing therapy is the verticalisation of patients.

The CDS® lock combination Brace for the knee and ankle JUNIOR supports therapists in their work during therapy. The combination orthosis gives patients confidence when standing and thus helps them to participate in an active life.



**Dr. rer. med. Lieske van der Stam**

**The lock system enables even children with severe muscle weakness to stand up. This puts the children at eye level with their peers, which greatly promotes their psychosocial development.**

# 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
- Continuous adjustment of the extension stop from -15° to +30°
- Flexion stop adjustable from 0° to 60° in 15° increments by inserting stop wedges
- spring tension individually adjustable
- spring tension can be switched on and off without tools and without varying the set spring tension
- Length adjustment of upper and lower leg elements possible in all sizes
- Large-area closed calf shell for 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	L/L	LM/M	S/S
<b>Hinge</b>	CDS® Hinge		
<b>Shells</b>	Aluminium Shells		
<b>Length at thigh medial [cm]</b>	23 - 25,5	21,5 - 24	17,5 - 20
<b>Length at stump [cm]</b>	17 - 25	17 - 25	17 - 25
<b>Circumference at thigh [cm]</b>	36 - 66	33 - 43	30 - 40
<b>Circumference at stump [cm]</b>	40 - 48	33 - 40	27 - 33
<b>Art.-No. left</b>	903LL-L	903LMM-L	903SS-L
<b>Art.-No. right</b>	903LL-R	903LMM-R	903SS-R

\*in combination with the respective shell set


Other sizes available on request

## Modules for the modular assembly

When combining modules of different sizes, we recommend consulting albrecht to ensure the compatibility of the modules.


### Thigh Shell Sets

Size	L	LM	S
Shells	Aluminium Shells		
Circumference at thigh [cm]	36 - 66	33 - 43	30 - 40
Art.-No. left	830L-L	830LM-L	830S-L
Art.-No. right	830L-R	830LM-R	830S-R



### Hinge Set CDS® Knee Brace Amputation


Size	L	S
Use for	L,LM	S
Hinge	CDS® Hinge	
Length at thigh medial [cm]*	23 - 25,5	17,5 - 20
Length at calf medial [cm]*	17 - 25	17 - 25
Art.-No. left	870-102-L	870-122-L
Art.-No. right	870-102-R	870-122-R



\*in combination with the respective shell set

### Calf Shell Sets

Size	L	M	S
Shells	Aluminium Shells		
Circumference at stump [cm]	40 - 48	33 - 40	27 - 33
Art.-No. left	834L	834M	834S
Art.-No. right	834L	834M	834S



Dynamic  
orthoses

# CDS® Ankle Brace

## Dynamic spring-loaded ankle orthosis

**Patents** EP 0 841 044 / US 5,954,677 / EP 3352713 / EP 3 922 221 / further patents pending

**Sizes**  This product is also 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
- After conservative treatment of capsular ligament injury



### Features

- therapy in dorsal extension
- easy handling and high wearing comfort
- adjustable shell- and strap system
- spring tension individually adjustable
- spring tension can be switched on and off without tools and without varying the set spring tension
- Height adjustment at the ankle joint with individual alignment of the ankle axis
- adjustable foot rotation: 5° internal rotation, 5° external rotation
- **CDS® Ankle Brace L/L, L/M, L/S, M/S:**
  - Anatomically shaped with aluminium shells and quick-release fasteners on the lower leg
  - Removable walking sole with rollover support
  - adjustment of the redression range in 15° steps
  - ROM limitation in dorsal extension
- **CDS® Ankle Brace S/S, XS/XS, XXS with CDS® Nano Gelenk:**
  - Lightweight textile shell elements on the lower leg
  - adjustment of the redression range in 10° steps
  - Removable walking sole



### 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



Size	L/L	L/M	L/S	M/S	S/S	XS/XS	XXS
<b>Hinge</b>	CDS® Hinge				CDS® Nano Hinge		
<b>Shells</b>	Aluminium Shells				Textile Shells (black)		
<b>Length at calf medial [cm]*</b>	29,5 - 33	29,5 - 33	29,5 - 33	20,5 - 24,5	20	18	15
<b>Circumference at calf [cm]</b>	32 - 47	32 - 47	32 - 47	22 - 32	22 - 32	20 - 30	17 - 22
<b>EU-shoe size</b>	44 - 47	40 - 43	37 - 39	35 - 36	30 - 34	26 - 29	20 - 25
<b>Length of sole [cm]</b>	30	27,5	26	24,5	23	20	17,5
<b>Art.-No. left</b>	920LL-L	920LM-L	920LS-L	920MS-L	920SS-L	920XSXS-L	920XXS-L
<b>Art.-No. right</b>	920LL-R	920LM-R	920LS-R	920MS-R	920SS-R	920XSXS-R	920XXS-R

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

Dynamic  
orthoses

## Size chart and article numbers - JUNIOR



Size	Junior		Bambini		Malinki	
<b>Hinge</b>	CDS® Nano Hinge					
<b>Shells</b>	Textile Shells (coloured)					
<b>Length at calf medial [cm]</b>	20		18		15	
<b>Circumference at calf [cm]</b>	22 - 32		20 - 30		17 - 22	
<b>EU-shoe size</b>	30 - 34		26 - 29		20 - 25	
<b>Length of sole [cm]</b>	23		20		17,5	
<b>Art.-No.</b>	<b>left</b>	<b>right</b>	<b>left</b>	<b>right</b>	<b>left</b>	<b>right</b>
<b>Pink</b>	920SS-PL	920SS-PR	920XSXS-PL	920XSXS-PR	920XXS-PL	920XXS-PR
<b>Green</b>	920SS-GL	920SS-GR	920XSXS-GL	920XSXS-GR	920XXS-GL	920XXS-GR
<b>Blue</b>	920SS-BL	920SS-BR	920XSXS-BL	920XSXS-BR	920XXS-BL	920XXS-BR
<b>Orange</b>	920SS-OL	920SS-OR	920XSXS-OL	920XSXS-OR	920XXS-OL	920XXS-OR

Additional sizes available on request, optionally with follower hinge.

## Modules for the modular assembly

When combining modules of different sizes, we recommend consulting albrecht to ensure the compatibility of the modules.

### Foot Hinge Sets CDS® Ankle Brace

Size	L	M	S	MS	SS	XS	XXS
Use for Shells	L, LT	L, LT	L, LT	M/S	S/S	XS/XS	XXS
Hinge	CDS® Hinge				CDS® Nano Hinge		
Length at calf medial [cm]*	29,5 - 33	29,5 - 33	29,5 - 33	20,5 - 24,5	20	18	15
EU-shoe size	44 - 47	40 - 43	37 - 39	35 - 36	30 - 34	26 - 29	20 - 25
Length of sole [cm]	30	27,5	26	24,5	23	20	17,5
Art.-No. left	836L-L	836M-L	836S-L	836MS-L	836SS-L	836XSXS-L	836XXS-L
Art.-No. right	836L-R	836M-R	836S-R	836MS-R	836SS-R	836XSXS-R	836XXS-R

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

### Shell Sets CDS® Ankle Brace



Size	L	LT	M/S	S/S	XS/XS	XXS
Shells	Aluminium Shells	Textile Shells	Aluminium Shells	Textile Shells (black)		
Circumference at calf [cm]	32 - 47	22 - 47	22 - 32	22 - 32	20 - 30	17 - 22
Art.-No. left	825L-L	825LT-L	825MS-L	825SS-L	825XSXS-L	825XXS-L
Art.-No. right	825L-R	825LT-R	825MS-R	825SS-R	825XSXS-R	825XXS-R

Other sizes available on request

## Modules for the modular assembly - JUNIOR

When combining modules of different sizes, we recommend consulting albrecht to ensure the compatibility of the modules.

### Foot Hinge Sets CDS® Ankle Brace

Size	Junior		Bambini		Malinki	
Hinge	CDS® Nano Hinge					
Length at calf medial [cm]	20		18		15	
EU-shoe size	30 - 34		26 - 29		20 - 25	
Length of sole [cm]	23		20		17,5	
Art.-No.	left	right	left	right	left	right
	836SS-L	836SS-R	836XSXS-L	836XSXS-R	836XXS-L	836XXS-R

### Shell Sets CDS® Ankle Brace

Size	Junior		Bambini		Malinki	
Shells	Textile Shells (coloured)					
Circumference at calf [cm]	22 - 32		20 - 30		17 - 22	
Art.-No.	left	right	left	right	left	right
<b>Pink</b>	825SS-PL	825SS-PR	825XSXS-PL	825XSXS-PR	825XXS-PL	825XXS-PR
<b>Green</b>	825SS-GL	825SS-GR	825XSXS-GL	825XSXS-GR	825XXS-GL	825XXS-GR
<b>Blue</b>	825SS-BL	825SS-BR	825XSXS-BL	825XSXS-BR	825XXS-BL	825XXS-BR
<b>Orange</b>	825SS-OL	825SS-OR	825XSXS-OL	825XSXS-OR	825XXS-OL	825XXS-OR

Dynamic orthoses

# 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
- spring tension individually adjustable
- spring tension can be switched on and off without tools and without varying the set spring tension
- Continuous adjustment of the redression range in dorsal extension
- hinge cover
- even pressure distribution due to vacuum pillow
- individual adjustable foot bedding
- adjustable pronation and supination
- adjustable rotation
- inclusive vacuum pump
- High wearing comfort thanks to calf padding



### 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


Size	L/L	L/M
<b>Hinge</b>	CDS® Hinge	
<b>Length at calf [cm]</b>	36 - 38,5	36 - 38,5
<b>Circumference at calf [cm]</b>	22 - 47	22 - 47
<b>EU-shoe size</b>	44 - 47	37 - 43
<b>Length of sole [cm]</b>	32	28,5
<b>Art.-No. left</b>	922LL	922LM
<b>Art.-No. right</b>	922LL	922LM

Other sizes available on request


## Modules for the modular assembly

When combining modules of different sizes, we recommend consulting albrecht to ensure the compatibility of the modules.

### Calf pad silicone-coated


Size	L/L	L/M	
Circumference [cm]	22 - 47		
Art.-No. left	835		
Art.-No. right			

### Hinge Set CDS® Ankle Brace Extension L

Size	L/L	L/M	
Length [cm]	36 - 38,5		
Art.-No. left	870-160		
Art.-No. right			

### Foot piece

Size	L/L	L/M	
EU-shoe size	44 - 47	37 - 43	
Length of sole [cm]	32	28,5	
Art.-No. left	826LN	826MN	
Art.-No. right	826LN	826MN	

hinge cover	L/L	L/M	
Art.-No. left / right	580-300-5		



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 also 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 constractions 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
- easy handling and high wearing comfort
- adjustable shell- and strap system
- Brace can be adjusted to the leg during the healing process
- **CDS® Elbow Brace Extension L/L, M/M:**
  - Anatomically shaped with aluminium shells and quick-release fasteners on the upper and forearm
  - adjustment of the redression range in 15° steps
  - infinitely variable adjustment of the redression range between -15° (hyperextension) to +30°
  - Flexion limitation adjustable in 15° increments
- **CDS® Elbow Brace Extension S/S, XS/XS with CDS® Nano Hinge:**
  - Lightweight textile shell elements on the upper and forearm
  - 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

Size	L/L	M/M	S/S	XS/XS
<b>Hinge</b>	CDS® Hinge		CDS® Nano Hinge	
<b>Shells</b>	Aluminium Shells		Aluminium Shells and Textile Shells (black)	
<b>Length at upper arm medial [cm]*</b>	17 - 21	17 - 20,5	17 - 20	14 - 17
<b>Length at forearm medial [cm]*</b>	20 - 24	19 - 22	17,5	14,5
<b>Circumference at upper arm [cm]</b>	28 - 39	20 - 30	15 - 21	12 - 17
<b>Circumference at forearm [cm]</b>	22 - 30	18 - 24	14 - 19	12 - 14

#### without handle

<b>Art.-No. left</b>	906LL-L	906MM-L	906SS-L	906XSXS-L
<b>Art.-No. right</b>	906LL-R	906MM-R	906SS-R	906XSXS-R

#### with handle

<b>Art.-No. left</b>	9061LL-L	9061MM-L	9061SS-L	9061XSXS-L
<b>Art.-No. right</b>	9061LL-R	9061MM-R	9061SS-R	9061XSXS-R

\*in combination with the respective shell set

Other sizes available on request

## Optional accessories

	Width	Art.-No. left	Art.-No. right	
handle L		991L-HL	991L-HR	Adjustable handle: Infinitely adjustable immobilisation from 70° pronation to 70° supination.
handle S (JUNIOR)		991S-HL	991S-HR	
adjustable handle L		993L-HL	993L-HR	
adjustable handle S (JUNIOR)		993S-HL	993S-HR	
adjustable hand rest L	10 cm	994L-HL	994L-HR	Adjustable hand rest: With angle adjustment – proven technology from the CDS® wrist brace
adjustable hand rest M	8 cm	994M-HL	994M-HR	
adjustable hand rest S (JUNIOR)	6 cm	994S-HL	994S-HR	
carrying strap L		580-200-S		
carrying strap S (JUNIOR)		580-210-S		
omosan Shoulder Brace connecting set		37-7100		

## modules for the modular assembly



When combining modules of different sizes, we recommend consulting albrecht to ensure the compatibility of the modules.

### Shell Sets Upper Arm

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

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### Hinge Sets CDS® Elbow Brace Extension

				
Size	L/L	M/M	S/S	XS/XS
Hinge	CDS® Hinge		CDS® Nano Hinge	
Length at upper arm [cm]*	17 - 21	17 - 20,5	17 - 20	14 - 17
Length at forearm medial [cm]*	20 - 24	19 - 22	17,5	14,5
Art.-No. left	870-180-L		870-181-L	870-182-L
Art.-No. right	870-180-R		870-181-R	870-182-R

\*in combination with the respective shell set

### Shell Sets Forearm

				
Size	L/L	M/M	S/S	XS/XS
Shells	Aluminium Shells		Textile Shells (black)	
Circumference at forearm [cm]	22 - 30	18 - 24	14 - 19	12 - 14
Art.-No. left	823LL-L	823MM-L	823SS-L	823XSXS-L
Art.-No. right	823LL-R	823MM-R	823SS-R	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 also 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
- easy handling and high wearing comfort
- adjustable shell- and strap system
- Brace can be adjusted to the leg during the healing process
- **CDS® Elbow Brace Flexion L/L, M/M:**
  - Anatomically shaped with aluminium shells and quick-release fasteners on the upper and lower arm
  - Adjustment of the redressment range in 15° increments
  - Stepless adjustment of the extension stop
  - Flexion limitation adjustable in 15° increments
- **CDS® Elbow Brace Flexion S/S, XS/XS with CDS® Nano Hinge:**
  - Lightweight textile shell elements on the upper and lower arm
  - 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 a 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

Size	L/L	M/M	S/S	XS/XS
<b>Hinge</b>	CDS® Hinge		CDS® Nano Hinge	
<b>Shells</b>	Aluminium Shells		Aluminium Shells and Textile Shells (black)	
<b>Length at upper arm medial [cm]</b>	17 - 21	17 - 20,5	17 - 20	14 - 17
<b>Length at forearm medial [cm]</b>	20 - 24	19 - 22	17,5	14,5
<b>Circumference at upper arm [cm]</b>	28 - 39	20 - 30	15 - 21	12 - 17
<b>Circumference at forearm [cm]</b>	22 - 30	18 - 24	14 - 19	12 - 14

#### without handle

<b>Art.-No. left</b>	907LL-L	907MM-L	907SS-L	907XSXS-L
<b>Art.-No. right</b>	907LL-R	907MM-R	907SS-R	907XSXS-R

#### with handle

<b>Art.-No. left</b>	9071LL-L	9071MM-L	9071SS-L	9071XSXS-L
<b>Art.-No. right</b>	9071LL-R	9071MM-R	9071SS-R	9071XSXS-R

\*in combination with the respective shell set

Other sizes available on request

## Optional accessories

	Width	Art.-No. left	Art.-No. right	
handle L		991L-HL	991L-HR	Adjustable handle: Infinitely adjustable immobilisation from 70° pronation to 70° supination.
handle S (JUNIOR)		991S-HL	991S-HR	
adjustable handle L		993L-HL	993L-HR	
adjustable handle S (JUNIOR)		993S-HL	993S-HR	
adjustable hand rest L	10 cm	994L-HL	994L-HR	Adjustable hand rest: With angle adjustment – proven technology from the CDS® wrist brace
adjustable hand rest M	8 cm	994M-HL	994M-HR	
adjustable hand rest S (JUNIOR)	6 cm	994S-HL	994S-HR	
carrying strap L		580-200-S		
carrying strap S (JUNIOR)		580-210-S		
omosan Shoulder Brace connecting set		37-7100		



## Modules for the modular assembly

When combining modules of different sizes, we recommend consulting albrecht to ensure the compatibility of the modules.

### Shell Sets Upper Arm

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

### Hinge Sets CDS® Elbow Brace Flexion

				
Size	L/L	M/M	S/S	XS/XS
Hinge	CDS® Hinge		CDS® Nano Hinge	
Length at upper arm medial [cm]*	17 - 21	17 - 20,5	17 - 20	14 - 17
Length at forearm [cm]*	20 - 24	19 - 22	17,5	14,5
Art.-No. left	870-190-L		870-191-L	870-192-L
Art.-No. right	870-190-R		870-191-R	870-192-R

\*in combination with the respective shell set

### Shell Sets Forearm

				
Size	L/L	M/M	S/S	XS/XS
Shells	Aluminium Shells		Textile Shells (black)	
Circumference at forearm [cm]	22 - 30	18 - 24	14 - 19	12 - 14
Art.-No. left	823LL-L	823MM-L	823SS-L	823XSXS-L
Art.-No. right	823LL-R	823MM-R	823SS-R	823XSXS-R

# CDS® Elbow Brace DUO - WITH NEW HINGE

Elbow orthosis for dynamic redression in extension and flexion

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 and flexion
- spring tension individually adjustable
- Stops in flexion and extension adjustable in 15° increments
- ROM range and switchover point adjustable in 10° increments using 360° feature
- Locking function: easy to put on and take off the orthosis by locking the joint in any position. Immobilisation possible
- Redression range 160°
- adjustable shell- and strap system
- easy handling and high wearing comfort



## 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 - NEW SIZES AVAILABLE

Size	L/L	M/M
Hinge	CDS® DUO Hinge	
Shells	Aluminium Shells	
Length at upper arm medial [cm]*	17 - 21	17 - 20,5
Length at forearm medial [cm]*	20 - 24	19 - 22
Circumference at upper arm [cm]	28 - 39	20 - 30
Circumference at forearm [cm]	22 - 30	18 - 24

### without handle

Art.-No. left	905LL-L	905MM-L
Art.-No. right	905LL-R	905MM-R

### with handle

Art.-No. left	9051LL-L	9051MM-L
Art.-No. right	9051LL-R	9051MM-R

\*in combination with the respective shell set

Other sizes available on request


## Optional accessories

	Width	Art.-No. links	Art.-No. rechts	
handle L		991L-HL	991L-HR	Adjustable handle: Infinitely adjustable immobilisation from 70° pronation to 70° supination.
adjustable handle L		993L-HL	993L-HR	
adjustable hand rest L	10 cm	994L-HL	994L-HR	Adjustable hand rest: With angle adjustment – proven technology from the CDS® wrist brace
adjustable hand rest M	8 cm	994M-HL	994M-HR	
adjustable hand rest S	6 cm	994S-HL	994S-HR	
carrying strap L		580-200-S		
omosan Shoulder Brace connecting set		37-7100		

## Modules for the modular assembly


When combining modules of different sizes, we recommend consulting albrecht to ensure the compatibility of the modules.

### Shell Sets Upper Arm

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


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### Hinge Sets CDS® Elbow Brace DUO

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

\*in combination with the respective shell set

### Shell Sets Forearm

Size	L/L	M/M	
Circumference of forearm [cm]	22 - 30	18 - 24	
Art.-No. left	823LL-L	823MM-L	
Art.-No. right	823LL-R	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 / DE 10 2015 012 320 / 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 constractions following arthrolysis

### Features

- therapy in Pronation or 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 prevents harmful overstretching.

### Size chart and article numbers

Size	L/L	M/M	M/S
<b>Hinge</b>	CDS® Hinge		
<b>Shells</b>	Aluminium Shells		
<b>Length at upper arm medial [cm]*</b>	20 - 24	20 - 24	20 - 24
<b>Length at forearm medial [cm]**</b>	21 - 36	21 - 36	21 - 36
<b>Circumference at upper arm [cm]</b>	28 - 38	22 - 30	18 - 24
<b>Circumference at forearm [cm]</b>	27 - 36	20 - 30	16 - 26
<b>Width palm plate [cm]</b>	10	8	6

#### Supination

<b>Art.-No. left</b>	908LL-L	908MM-L	908MS-L
<b>Art.-No. right</b>	908LL-R	908MM-R	908MS-R

#### Pronation

<b>Art.-No. left</b>	909LL-L	909MM-L	909MS-L
<b>Art.-No. right</b>	909LL-R	909MM-R	909MS-R

\*When using only one upper arm shell 12 - 14 cm for all sizes

\*\*Length of forearm from the elbow pivot point to the wrist

Weitere Größen sind auf Anfrage erhältlich

## Optional accessories

	Art.-No. left	Art.-No. right
carrying strap L	580-200-S	
carrying strap S	580-210-S	

## Modules for the modular assembly

When combining modules of different sizes, we recommend consulting albrecht to ensure the compatibility of the modules.

### Shell Sets Sup-Prosan

Size	L/L	M/M	M/S
Shells	Aluminium Shells		
Circumference at upper arm [cm]	28 - 38	22 - 30	18 - 24
Art.-No. left	828LL-L	828MM-L	828MS-L
Art.-No. right	828LL-R	828MM-R	828MS-R



### Hinge Sets CDS® Sup-Prosan

Size	L/L	M/M	M/S
Hinge	CDS® Hinge		
Length at upper arm medial [cm]*	20 - 24	20 - 24	20 - 24
Length of forearm medial [cm]**	21 - 36	21 - 36	21 - 36
Art.-No. Supination left / Pronation right	870-240	870-240	870-240
Art.-No. Supination right / Pronation left	870-241	870-241	870-241



\*When using only one upper arm shell 12 - 14 cm for all sizes

\*\*Length of forearm from the elbow pivot point to the wrist

### Palm Plates

Size	L/L	M/M	S/S
Width [cm]	10	8	6
Art.-No. left	829L 829M 829S		
Art.-No. right			



# 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 also 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
- Tool-free activation and deactivation of the redressive force without changing the set spring force
- Finger section can be individually adjusted to the treatment process
- easy handling and high wearing comfort
- adjustable shell- and strap system
- **CDS® Wrist Brace Extension L/L, L/M, L/S and M/M:**
  - Anatomically shaped, adjustable and easily adapted aluminium shells and quick-release fasteners
  - Adjustment of the redressment range in 15° increments
  - Limitation of ROM in extension and flexion in 15° increments
- **CDS® Wrist Brace Extension S/S with CDS® Nano Hinge:**
  - Lightweight textile shell elements on the forearm
  - Adjustment of the redressment range in 10° increments



### 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 prevents harmful overstretching.

### Size chart and article numbers

Size	L/L	L/M	L/S	M/M	S/S
<b>Hinge</b>	CDS® Hinge				CDS® Nano Hinge
<b>Shells</b>	Aluminium Shells				Textile Shells (black)
<b>Length at forearm medial [cm]*</b>	21 - 23,5	21 - 23,5	21 - 23,5	17 - 19	16 - 19
<b>Circumference of wrist [cm]</b>	22 - 30	18 - 24	14 - 19	18 - 24	14 - 19
<b>Width palm plate [cm]</b>	10	8	6	8	6
<b>Art.-No. left</b>	931LL-L	931LM-L	931LS-L	931MM-L	931SS-L
<b>Art.-No. right</b>	931LL-R	931LM-R	931LS-R	931MM-R	931SS-R

\*in combination with the respective shell set

Other sizes available on request

## Optional accessories

	Art.-No.
carrying strap L	580-200-S
carrying strap S (JUNIOR)	580-210-S
omosan Shoulder Brace connecting set	37-7100

## Modules for the modular assembly

When combining modules of different sizes, we recommend consulting albrecht to ensure the compatibility of the modules.




### Shell Sets Forearm

					
Size	L/L	L/M	L/S	M/M	S/S
Shells	Aluminium Shells				Textile Shells (black)
Circumference at forearm [cm]	22 - 30	18 - 24	14 - 19	18 - 24	14 - 19
Art.-No. left	824LL-L	824LM-L	824LS-L	824MM-L	824SS-L
Art.-No. right	824LL-R	824LM-R	824LS-R	824MM-R	824SS-R

Forearm shell set XL (24-36 cm): 824LXL-L / 824LXL-R  
Forearm shell set XXL (28-38 cm): 824LXXL-L / 824LXXL-R



Dynamic  
orthoses

### Hinge Sets CDS® Wrist Extension

				
Name Hinge Set	Hinge Set CDS® Wrist Extension L		Hinge Set CDS® Wrist Extension M	Hinge Set CDS® Wrist Extension S
Use for	L/L, L/M, L/S		M/M	S/S
Hinge	CDS® Hinge			CDS® Nano Hinge
Length at forearm medial [cm]*	21 - 23,5		17 - 19	16 - 19
Art.-No. left	870-200-L		870-210-L	870-213-L
Art.-No. right	870-200-R		870-210-R	870-213-R

\*in combination with the respective shell set

### Palm Plates

						
Size	L plus*	L	M	S	S	
Width [cm]	10	10	8	6	6	
Art.-No. left	827L-PL	827L-L	827M-L	827S-L	827S-SL	
Art.-No. right	827L-PR	827L-R	827M-R	827S-R	827S-SR	

\* 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 also 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
- Tool-free activation and deactivation of the redressive force without changing the set spring force
- Finger section can be individually adjusted to the treatment process
- easy handling and high wearing comfort
- adjustable shell- and strap system
- **CDS® Wrist Brace Flexion L/L, L/M, L/S and M/M:**
  - Anatomically shaped, adjustable and easily customised aluminium shells and quick-release fasteners
  - Adjustment of the redressment range in 15° increments
  - Limitation of ROM in extension and flexion in 15° increments
- **CDS® Wrist Brace Flexion S/S with CDS® Nano Hinge:**
  - Lightweight textile shell elements on the forearm
  - Adjustment of the redressment range in 10° increments



### 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 prevents harmful overstretching.

### Size chart and article numbers

Size	L/L	L/M	L/S	M/M	S/S
<b>Hinge</b>	CDS® Hinge				CDS® Nano Hinge
<b>Shells</b>	Aluminium Shells				Textile Shells (black)
<b>Length at forearm medial [cm]*</b>	21 - 23,5	21 - 23,5	21 - 23,5	17 - 19	16 - 19
<b>Circumference at forearm [cm]</b>	22 - 30	18 - 24	14 - 19	18 - 24	14 - 19
<b>Circumference of wrist [cm]</b>	10	8	6	8	6
<b>Art.-No. left</b>	932LL-L	932LM-L	932LS-L	932MM-L	932SS-L
<b>Art.-No. right</b>	932LL-R	932LM-R	932LS-R	932MM-R	932SS-R

\*in combination with the respective shell set

Other sizes available on request




## Optional accessories

	Art.-No.
carrying strap L	580-200-S
carrying strap S (JUNIOR)	580-210-S
omosan Shoulder Brace connecting set	37-7100

## Modules for the modular assembly




When combining modules of different sizes, we recommend consulting albrecht to ensure the compatibility of the modules.

### Shell Sets Forearm

					
Size	L/L	L/M	L/S	M/M	S/S
Shells	Aluminium Shells				Textile Shells (black)
Circumference at forearm [cm]	22 - 30	18 - 24	14 - 19	18 - 24	14 - 19
Art.-No. left	824LL-L	824LM-L	824LS-L	824MM-L	824SS-L
Art.-No. right	824LL-R	824LM-R	824LS-R	824MM-R	824SS-R



Forearm shell set XL (24-36 cm): 824LXL-L / 824LXL-R  
Forearm shell set XXL (28-38 cm): 824LXXL-L / 824LXXL-R

### Hinge Sets CDS® Wrist Flexion

				
Name Hinge Set	Hinge Set CDS® Wrist Flexion L		Hinge Set CDS® Wrist Flexion M	Hinge Set CDS® Wrist Flexion S
Use for	L/L, L/M, L/S		M/M	S/S
Hinge	CDS® Hinge			CDS® Nano Hinge
Length at forearm medial [cm]*	21 - 23,5		17 - 19	16 - 19
Art.-No. left	870-220-L		870-230-L	870-235-L
Art.-No. right	870-220-R		870-230-R	870-235-R

\*in combination with the respective shell set

### Palm Plates

					
Size	L plus*	L	M	S	S
Width [cm]	10	10	8	6	6
Art.-No. left	827L-PL	827L-L	827M-L	827S-L	827S-SL
Art.-No. right	827L-PR	827L-R	827M-R	827S-R	827S-SR

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

# CDS® Wrist Brace DUO - WITH NEW HINGE

## 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

- Therapy in extension and flexion
- spring tension individually adjustable
- Stops in flexion and extension adjustable in 15° increments
- ROM range and switch point adjustable in 10° increments using 360° feature
- Locking function: Easy to put on and take off the orthosis by locking the joint in any position. Immobilisation possible
- Redression range 160°
- High wearing comfort thanks to air-permeable, lightweight aluminium shell elements and soft cover on the hand section
- High flexibility thanks to adjustable, adaptable shell elements
- Finger section can be individually adjusted to the course of treatment
- Easy handling thanks to quick-release fasteners on the forearm



### 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 prevents harmful overstretching.

### Size chart and article numbers - NEW SIZES AVAILABLE

Size	L/L	L/M	L/S	M/M
<b>Hinge</b>	CDS® DUO Hinge			
<b>Shells</b>	Aluminium Shells			
<b>Length at forearm medial [cm]*</b>	21 - 23,5	21 - 23,5	21 - 23,5	17 - 19
<b>Circumference at forearm [cm]</b>	22 - 30	18 - 24	14 - 19	18 - 24
<b>Circumference of wrist [cm]</b>	10	8	6	8
<b>Art.-No. left</b>	930LL-L	930LM-L	930LS-L	930MM-L
<b>Art.-No. right</b>	930LL-R	930LM-R	930LS-R	930MM-R

\*in combination with the respective shell set

Other sizes available on request

## Optional accessories

	Art.-No.
carrying strap L	580-200-S
carrying strap S (JUNIOR)	580-210-S
omosan Shoulder Brace connecting set	37-7100

## Modules for the modular assembly

When combining modules of different sizes, we recommend consulting albrecht to ensure the compatibility of the modules.

### Shell Sets Forearm



Size	L/L	L/M	L/S	M/M
Shells	Aluminium Shells			
Circumference at forearm [cm]	22 - 30	18 - 24	14 - 19	18 - 24
Art.-No. left	824LL-L	824LM-L	824LS-L	824MM-L
Art.-No. right	824LL-R	824LM-R	824LS-R	824MM-R

Forearm shell set XL (24-36cm): 824LXL-L / 824LXL-R  
Forearm shell set XXL (28-38cm): 824LXXL-L / 824LXXL-R

### Hinge CDS® Wrist Brace DUO



Hinge	Hinge Set CDS® DUO Hinge L	Hinge Set CDS® DUO Hinge M
Use for	L/L, L/M, L/S	M/M
Length at forearm medial [cm]*	21 - 23,5	17 - 19
Art.-No. left	870-215-L	870-216-L
Art.-No. right	870-215-R	870-216-R

\*in combination with the respective shell set

### Palm Plates



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

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

# omosan Shoulder Brace

## Shoulder joint orthosis for physiological guidance and stabilisation

### Indications

- Subluxation of the shoulder in hemiplegia
- Paralysis of the muscles surrounding the shoulder
- Lesion of the brachial plexus
- Peripheral nerve damage in the cervical spine and shoulder region
- Mild to moderate instability of the shoulder joint
- Conservative treatment for habitual shoulder dislocation
- Inflammation
- Degeneration

### Features

- Partially elastic bandage material
- Shoulder-encompassing element
- Forearm cuff with adjustable straps
- One size
- Can be used on the right or left side
- Can be combined with CDS® braces for the upper extremities using the **omosan Shoulder Brace** connecting set.



### Mode of operation

The **omosan Shoulder Brace** adapts well to the body thanks to its partially elastic bandage material. The material surrounding the shoulder, which is fastened on the other side via the armpit with a strap, ensures that the humeral head is returned to its original position and prevents subluxation. The forearm cuff with its adjustable straps ensures that the entire arm is pulled towards the head.

### Size chart and article numbers

Name	omosan Shoulder Brace	omosan Shoulder Brace connecting set
Size	One size fits all	One size fits all
Art.-No.:	37-7000	37-7100

The respective drilling templates can be found here



Other sizes available on request

# omosan Shoulder Brace connecting set

☎ 00800 03032900

## omosan Shoulder Brace offers new (connection-) possibilities

With the omosan shoulder brace in combination with the CDS® orthoses for the upper extremities, patients can be treated individually from the fingers to the shoulder joint.

CDS® Wrist Brace  
Extension / Flexion  
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CDS® Elbow Brace  
Extension / Flexion  
Page: 36/38



CDS® Wrist Brace DUO  
Extension / Flexion  
Page: 48



CDS® Elbow Brace DUO  
Extension / Flexion  
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CDS® Manusan  
Page: 52



CDS® Combination Brace  
Elbow-wrist  
Extension / Flexion  
Page: 58



Dynamic  
orthoses

# 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
  - surgery
  - arthrosis and chronic polyarthritis
  - burns
  - stroke
  - spinal injury
  - Paralysis
  - Traumatic brain injury
  - Capsular ligament injury
  - Before and after joint replacement
- cut injury
- tendon suture
- Morbus Dupuytren
- to prevent recurring contractures 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 strap system
- 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 extension 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

Size	L/L	M/M
Hinge	CDS® Hinge	
Shells	Aluminium Shells	
Circumference of wrist [cm]	22 - 30	18 - 24
Width Palm plate [cm]	10	9
Art.-No. left	960LL-L	960MM-L
Art.-No. right	960LL-R	960MM-R

### Accessories

	Art.-No.
omosan Shoulder Brace connecting set	37-7100

Other sizes available on request

## Finger Brace

**Patents** EP 3 421 016

### Indications

- Joint contractures due to
  - surgery
  - arthrosis and chronic polyarthritis
  - burns
  - stroke
  - spinal injury
  - Paralysis
  - Traumatic brain injury
  - Capsular ligament injury
  - Before and after joint replacement
- cut injury
- tendon suture
- Morbus Dupuytren
- to prevent recurring constracures 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 orthoses

### 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

Size	L/L	M/M
<b>Shells</b>	Aluminium Shells	
<b>Circumference of wrist [cm]</b>	22 - 30	18 - 24
<b>Width Palm plate [cm]</b>	10	9
<b>Art.-No. left</b>	955LL-L	955MM-L
<b>Art.-No. right</b>	955LL-R	955MM-R

### Accessories

	Art.-No.
<b>Thumb element</b>	956

Other sizes available on request

# halluxsan®

## Hallux valgus orthosis for dynamic redressment with adjustable spring joint

Patents DE 10 2008 049 854

### 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	green	black	pink	grey
Art.-No. left	940A-L	940AS-L	940AP-L	940AG-L
Art.-No. right	940A-R	940AS-R	940AP-R	940AG-R

### Accessory socks


EU-shoe size	35 - 38	39 - 42	43 - 46
Art.-No. Socks left and right	70001	70002	70003

# CDS® Combination Brace Knee - Ankle

☎ 00800 03032900

## Dynamic spring-loaded knee / ankle orthosis

**Patents** EP 0 841 044 / US 5,954,677 / EP 3 352 713 / EP 3 922 221 / further patents pending

**Sizes**  This product is also 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 contractures following arthrolysis
- rupture of muscle fibre in the quadriceps
- patella tendon tear
- quadriceps weakness
- conservative, post-surgical for all indications that contraindicate active flexion of the knee
- spasticity following surgery on the central nervous system
- hereditary spastic paraparesis
- muscular dystrophy
- arthrogryposis multiplex congenita
- pointed toe

### Features

- Quick, tool-free separation or connection of elements using Coniungi
- Variable length adjustment between knee and ankle joint
- adjustable foot rotation 5° exterior rotation, 5° interior rotation
- Therapy in the ankle joint
- Height adjustment in the ankle joint
- spring tension can be switched on and off without tools and without varying the set spring tension
- individually adjustable shell and strap system
- Easy handling and comfortable in use
- Individually adjustable spring force
- Therapy in the knee joint
- **CDS® Combination Brace Knee-Ankle:**
  - Stepless adjustment of the extension stop from 0° to +15°
  - Outsole with roll-off aid (980C)
- **CDS® Combination Brace Knee-Ankle Junior with CDS® Nano Hinge:**
  - Lightweight textile shell elements in the upper and lower leg



Dynamic orthoses

### Mode of operation

The CDS® Combination Brace Knee-Ankle is based on the CDS®-principle and has been designed to treat an extension deficit in the knee and a dorsal extension 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	CDS® Combination Brace Knee-Ankle	CDS® Combination Brace Knee-Ankle Junior
<b>Hinge</b>	CDS® Hinge	CDS® Nano Hinge
<b>Shells</b>	Aluminium Shells	Textile Shells
<b>Art.-No. left</b>	980C-L	980CN-L
<b>Art.-No. right</b>	980C-R	980CN-R

Other sizes available on request

# CDS® lock Combination Brace Knee - Ankle

Dynamic spring-loaded knee / ankle orthosis for stance support with locking function of the knee joint

**Patents** EP 0 841 044 / US 5,954,677 / EP 3352713 / EP 3 922 221 / further patents pending

**Sizes**  This product is also 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

## Features

- Quick, tool-free separation and connection of the modules (knee/ankle joint) using the Coniungi connecting element
- Variable length adjustment between knee and ankle
- Option of separate therapy for knee and ankle
- Therapy in extension (knee orthoses)
- Therapy in dorsal extension (ankle orthoses)
- Load-bearing, self-locking lock in the knee joint for standing therapy
- Adjustable angle position of the lock
- Permanent freewheel for walking shorter transfer distances and walking therapy
- Spring force individually adjustable
- Tool-free activation and deactivation of the redression force without changing the set spring tension
- Individually adjustable shell and strap system
- easy handling and high wearing comfort
- Adjustment of the position of the redression range via 360° feature
- Adjustable foot rotation (max. 5° external or 5° internal rotation)
- Height adjustment in the ankle joint

- before and after joint 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 flexion of the knee
- spasticity following surgery on the central nervous system
- hereditary spastic paraparesis
- muscular dystrophy
- arthrogryposis multiplex congenita
- pointed toe

- Outsole with roll-off aid, JUNIOR without roll-off aid
- **CDS® lock Combination Brace Knee-Ankle:**
  - Remote control via Bowden cables and star knob for quick, tool-free activation/deactivation of the lock without exerting force
  - One-handed control of the lock on both joints in the knee (medial/lateral) through parallel connection of the Bowden cables
  - Limitation of range of motion (ROM) via extension stops in 15° increments
- **CDS® lock Combination Brace Knee-Ankle Junior with CDS® Nano Hinge:**
  - Activation/deactivation of the lock without effort directly on the joint
  - Lightweight textile shell elements in the upper and lower leg



Other sizes available on request

## Mode of operation

The CDS® lock combination knee/ankle orthosis is based on the CDS® principle and is used to treat an extension deficit of the knee joint and a dorsal extension deficit of the ankle joint. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The spring force also supports the patient when standing up. To stabilize and secure the stance, the CDS® hinges in the knee are equipped with a self-locking lock. Further locking steps are achieved when the knee is extended further. When the lock is engaged, the orthosis can fully absorb the patient's load, enabling standing therapy. Locking and unlocking can be adjusted by the patient with one hand and without tools directly via a remote control on the orthosis. In "freewheel" mode, the hinge is permanently set to freewheel. This makes it possible to walk shorter transfer distances and for use in walking therapy.

## Size chart and article numbers

Name	CDS® lock Combination Brace Knee-Ankle	CDS® lock Combination Brace Knee-Ankle JUNIOR
Hinge	CDS® Hinge (Ankle), CDS® lock Hinge (Knee)	CDS® Nano Hinge (ankle), CDS® lock Nano Hinge (Knee)
Shells	Aluminium Shells	Textile shells
Art.-No. left	985C-L	985CN-L
Art.-No. right	985C-R	985CN-R



Name	CDS® lock thigh module	Connection support 24 mm perforated aluminium with coniungi (2 pieces)
Art.-No. left	985C3-L	814-420-S
Art.-No. right	985C3-R	

## Example supply



# CDS® Combination Brace Elbow-Wrist

## Dynamic spring-loaded elbow / wrist orthosis

**Patents** EP 0 841 044 / US 5,954,677 / EP 3 352 713 / DE 10 2015 012 320 / EP 3 146 344 / further patents pending

**Sizes**  This product is also 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

### Features

- fast disconnection and reconnection of the elements by Coniungi
- Variable length adjustment between elbow and wrist
- therapy in extension
- Individually adjustable spring force
- spring tension can be switched on and off without tools and without varying the set spring tension
- Individually adjustable shell and strap system
- easy handling and high wearing comfort
- **CDS® Combinations Brace Elbow-Wrist:**
  - Stepless adjustment of the extension stop from -15° (hyperextension) to +30° at the elbow joint
- **CDS® Combinations Brace Elbow-Wrist Junior with CDS® Nano Hinge:**
  - Adjustment of the redressment range in 10° increments



### Mode of operation

The CDS® Combination elbow-hand orthosis is based on the CDS® principle and is used to treat extension deficits of the elbow joint and wrist. The splint stimulates the growth of shortened tissue through dynamic continuous traction. The continuously adjustable extension stop protects against harmful overstretching of the tissue and allows individual endrange extension up to -15°.

### Size chart and article numbers

Name	CDS® Combination Brace Elbow-Wrist	CDS® Combination Brace Elbow-Wrist Junior
Hinge	CDS® Hinge	CDS® Nano Hinge
Shells	Aluminium shells	Textile shells
Art.-No. left	981C-L	981CN-L
Art.-No. right	981C-R	981CN-R



Dynamic  
orthoses





# INDIVIDUAL

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Tailored solution for your patient



INDIVIDUAL



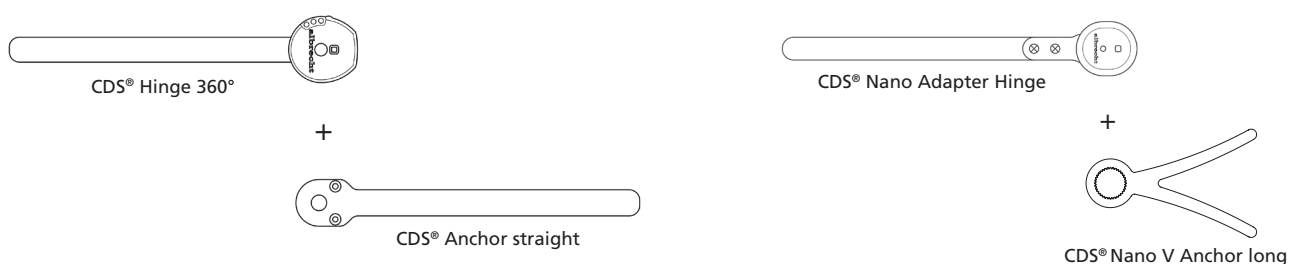
## INDIVIDUAL – Hinges for customized orthoses

**Important notes** on selecting and ordering the appropriate hinges and accessory components:

CDS® Hinges and CDS® Nano Hinges have a straight side bar as standard, which is firmly connected to the hinge body. A second side bar (anchor) in the opposite direction needs to be selected and ordered separately.

- Anchors are available in various shapes (straight anchor, T-anchor, V-anchor).
- A complete hinge unit therefore always requires the combination of a CDS® Hinge or CDS® Nano Hinge AND an anchor.
- Exceptions: No separate anchor is required for the following products:
  - CDS® lock INDIVIDUAL sets (the set already includes straight adapter anchors)
  - CDS® Hybrid Hinge / CDS® Nano Hybrid Hinge (anchor is 3D-printed)
  - ROM Nano Adapter Hinge (already has a straight adapter anchor)

### Examples:



## Mounting options

### Hinge

The side bars of the hinges are firmly connected to the hinge body. The hinges can be riveted on or inserted.

CDS® Hinge 360° with CDS® Anchor straight



CDS® Nano Hinge with CDS® Nano Anchor straight



### Adapter Hinge

The hinge supports can be unscrewed near the joint for embedding into the resin.

CDS® Adapter Hinge 360° with CDS® Adapter Anchor

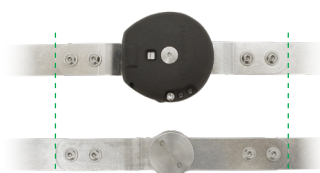
The design allows for a close-to-the-body construction.



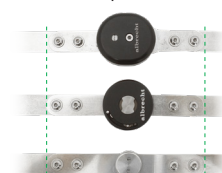
CDS® Nano Adapter Hinge with CDS® Nano Adapter Anchor



The central modules of the CDS® Adapter Hinge and CDS® Adapter Stabiliser are interchangeable.



The center parts of the CDS® Nano Adapter Hinge, ROM Nano Adapter Hinge and CDS® Adapter Stabiliser is possible.



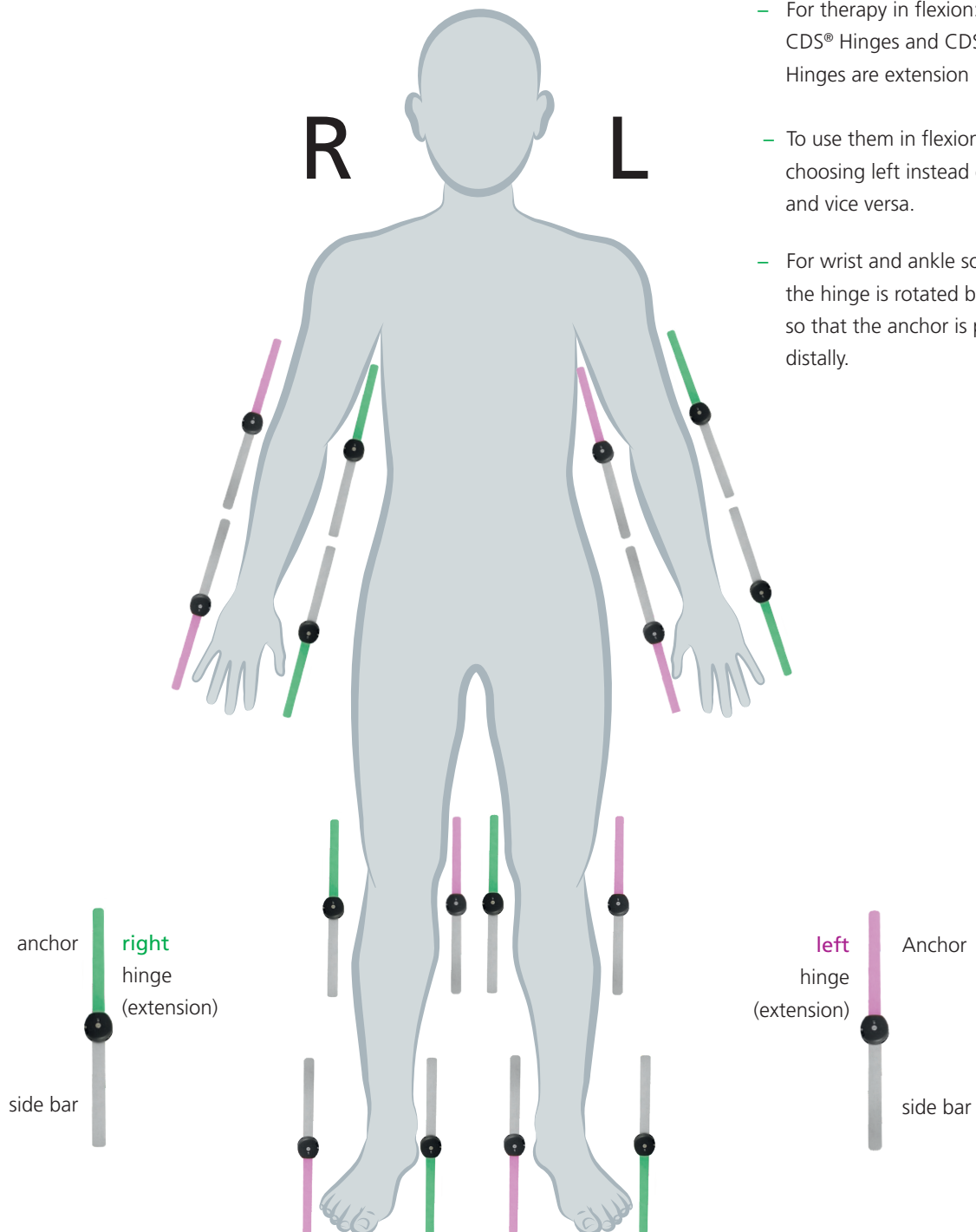
# INDIVIDUAL hinge finder for CDS® Hinges and CDS® Nano Hinges

☎ 00800 03032900

Depending on the extremity being covered (knee, ankle, elbow, wrist) and the side of the body (left/right, medial/lateral), information is provided as to whether a left or right CDS® (Nano) Hinge is suitable for the respective order. The **hinge finder** helps with this decision.

### Note

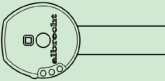
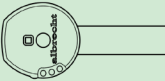
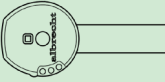
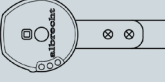
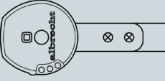



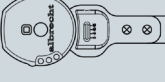

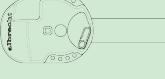
- For therapy in flexion: The CDS® Hinges and CDS® Nano Hinges are extension hinges.
- To use them in flexion requires choosing left instead of right and vice versa.
- For wrist and ankle solutions, the hinge is rotated by 180° so that the anchor is positioned distally.



INDIVIDUAL

# Hinge Selection

## CDS® Hinge

		width	Knee		Ankle	
			left/lat. right/med.	right/lat. left/med.	left/lat. right/med.	right/lat. left/med.
CDS® Hinge 360° SST		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
CDS® Hinge 360° Alu		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
CDS® Adapter Hinge 360° SST		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
CDS® Adapter Hinge 360° Alu		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
CDS® Hinge 360° plus SST		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
CDS® Hinge 360° plus Alu		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
CDS® Adapter Hinge 360° plus SST		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
CDS® Adapter Hinge 360° plus Alu		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
CDS® DUO Hinge SST		20 mm	818-205-L	818-205-R	818-205-R	818-205-L
CDS® DUO Hinge Alu		20 mm	818-235-L	818-235-R	818-235-R	818-235-L

	width	left	right
CDS® lock INDIVIDUAL Set unilateral SST	16 mm	817-100-L	817-100-R
	20 mm	817-105-L	817-105-R
	24 mm	817-110-L	817-110-R
CDS® lock INDIVIDUAL Set bilateral SST	16 mm	816-100-L	816-100-R
	20 mm	816-105-L	816-105-R
	24 mm	816-110-L	816-110-R

Elbow		Wrist		Anchor		
left/lat. right/med.	right/lat. left/med.	left/lat. right/med.	right/lat. left/med.	Anchor straight	V-long	T-short T-long
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
818-205-R	818-205-L	818-205-R	818-205-L	813-446-S	813-401-S	813-406-S 813-411-S
818-235-R	818-235-L	818-235-R	818-235-L	813-476-S	813-421-S	813-426-S 813-431-S

+



**Note:** The CDS® lock INDIVIDUAL Sets (unilateral and bilateral) are only available in the adapter version and already have a straight adapter anchor with mounted remote control for the hinge lock.

INDIVIDUAL

## CDS® Nano Hinge

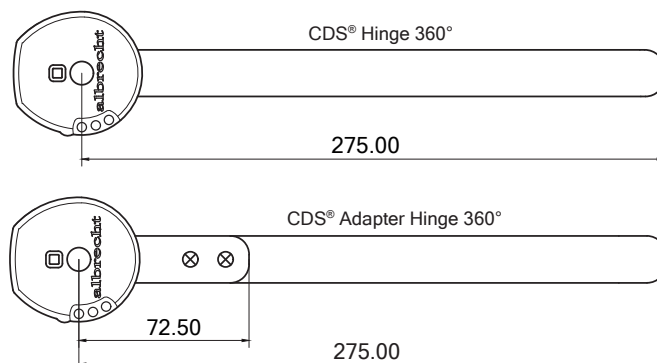
		width	Knee		Ankle	
			left/lat. right/med.	right/lat. left/med.	left/lat. right/med.	right/lat. left/med.
CDS® Nano Hinge SST		16 mm	812-100-L	812-100-R	812-100-R	812-100-L
CDS® Nano Hinge Alu		16 mm	812-130-L	812-130-R	812-130-R	812-130-L
CDS® Nano Adapter Hinge SST		16 mm	812-150-L	812-150-R	812-150-R	812-150-L
CDS® Nano Adapter Hinge Alu		16 mm	812-180-L	812-180-R	812-180-R	812-180-L
CDS® lock Nano Hinge SST		16 mm	812-110-L	812-110-R	812-110-R	812-110-L
CDS® lock Nano Hinge Alu		16 mm	812-140-L	812-140-R	812-140-R	812-140-L
CDS® lock Nano Adapter Hinge SST		16 mm	812-160-L	812-160-R	812-160-R	812-160-L
CDS® lock Nano Adapter Hinge Alu		16 mm	812-190-L	812-190-R	812-190-R	812-190-L
CDS® block Nano Hinge SST		16 mm	819-100-L	819-100-R	819-100-R	819-100-L
CDS® block Nano Hinge Alu		16 mm	819-130-L	819-130-R	819-130-R	819-130-L
CDS® block Nano Adapter Hinge SST		16 mm	819-150-L	819-150-R	819-150-R	819-150-L
CDS® block Nano Adapter Hinge Alu		16 mm	819-180-L	819-180-R	819-180-R	819-180-L

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
812-100-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
812-110-R	812-110-L	812-110-R	812-110-L	813-160-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
812-140-R	812-140-L	812-140-R	812-140-L	813-170-S	813-130-S -	813-135-S 813-140-S	813-175-S
812-160-R	812-160-L	812-160-R	812-160-L	813-190-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
812-190-R	812-190-L	812-190-R	812-190-L	813-195-S	813-130-S -	813-135-S 813-140-S	813-175-S
819-100-R	819-100-L	819-100-R	819-100-L	813-160-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
819-130-R	819-130-L	819-130-R	819-130-L	813-170-S	813-130-S -	813-135-S 813-140-S	813-175-S
819-150-R	819-150-L	819-150-R	819-150-L	813-190-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
819-180-R	819-180-L	819-180-R	819-180-L	813-195-S	813-130-S -	813-135-S 813-140-S	813-175-S

## CDS® Hinge 360°

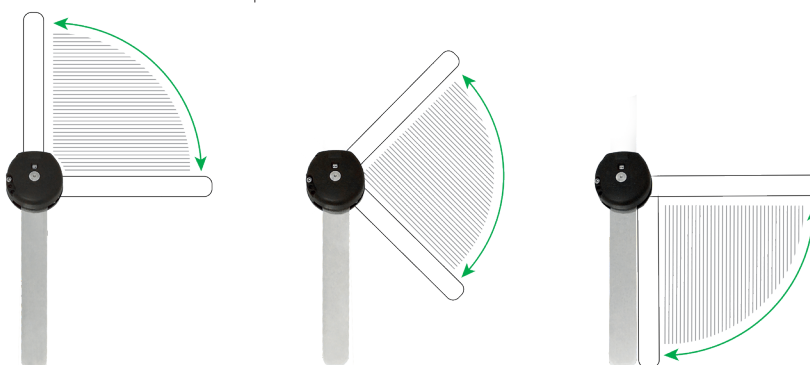
### Features

- Spring force individually and continuously adjustable
- Max. torque: 5.2 Nm
- Tool-free activation/deactivation of the correction force without altering the set spring force
- Range of motion can be limited
- Immobilization possible



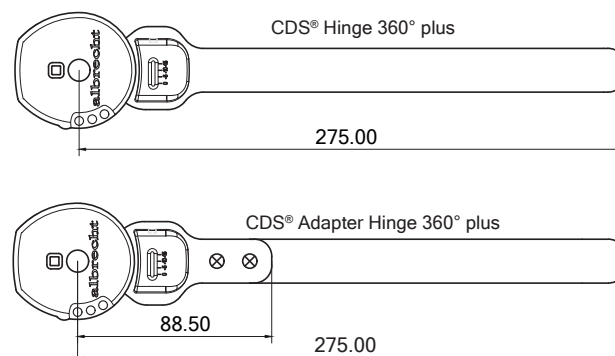
### Hinge 360°

- 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

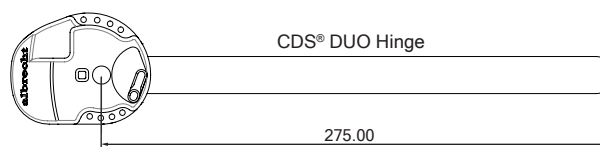
The PLUS hinges include a fine adjustment option. Fine adjustment allows for the infinitely variable adjustment of the redression range. The redression range may also be extended to -15° for hyperextension.



## CDS® DUO Hinge

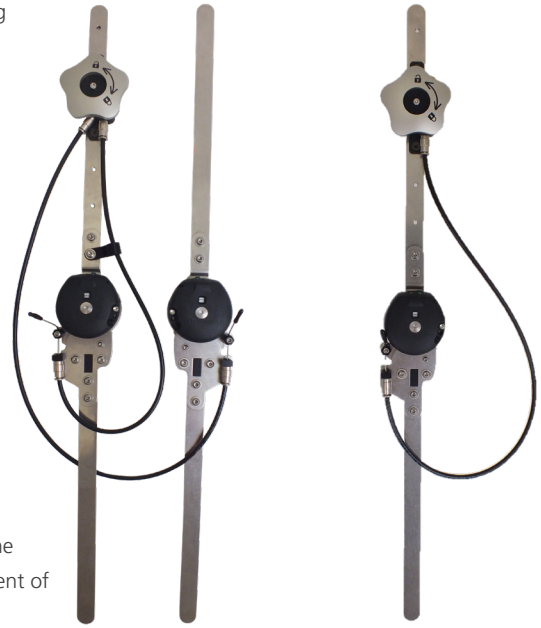
### Features

- Correction in extension and flexion within a single joint
- Spring force individually and continuously adjustable
- Max. torque: 5.2 Nm
- Range of motion can be limited
- Locking function allows easy donning and doffing of the orthosis by locking the joint in any position. Immobilization is possible
- Therapy range of 160° and switching point position can be adjusted in 10° increments using the 360° feature.



## Features

- Dynamic CDS® lock INDIVIDUAL Hinge Set with self-locking mechanism for standing therapy
- Available in unilateral and bilateral set
- Hinge features like CDS® Hinge 360° (max. torque 5.2 Nm)
- Mechanical remote control of the lock via Bowden cables and star grip
- Individual positioning of the star grip
- Quick activation / deactivation of the lock without effort
- Simple and tool-free handling
- One-handed control of the lock
- Adjustable angle position of the lock
- Load-bearing construction
- "Freewheel" mode enables walking shorter transfer distances and use in walking therapy
- Alignment Set and installation aids:  
Separately available positioning aids and a pouring dummy, in combination with the existing CDS® Alignment Set, enable precise installation and synchronized movement of the hinges.



bilateral set

unilateral set

## CDS® Hybrid Hinge

### Features

- Optimized for orthoses from additive manufacturing
- Individually adjustable spring tension, max. torque 5.2 Nm
- spring tension can be switched on and off without tools and without varying the tension setting
- Limitation of the range of motion possible (extension stop)
- Adjustment of the redression range in 5° steps
- Position of the redression range of 90° selectable via adjustable joint adapter
- Hexagon for optimum force transmission between hinge and printed holder
- On request, the hinge can be provided as an STL file for construction purposes

CDS® Hybrid Hinge	Art.No. left	Art.-No. right
CDS® Hybrid Hinge 20mm Alu	811-910-S	811-911-S
CDS® Hybrid Hinge 20mm Alu 15° curved	811-915-S	811-916-S

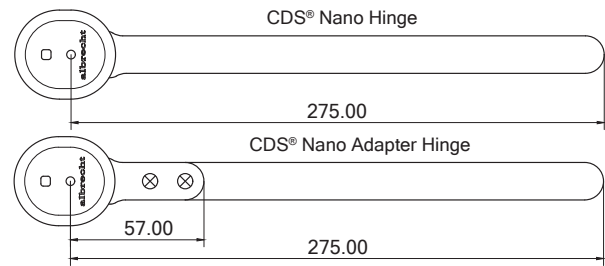


INDIVIDUAL

## CDS® Nano Hinge

### Features

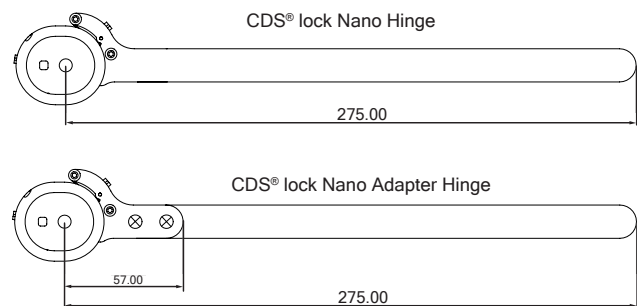
- Spring force is individually adjustable
- Max. torque: 2.2 Nm
- spring tension can be switched on and off without tools and without varying the tension setting
- Adjustment of the correction range in 10° increments



## CDS® lock Nano Hinge

### Features

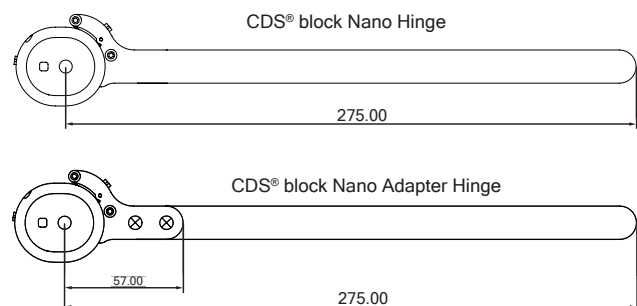
- Dynamic CDS® lock Nano Hinge with self-locking mechanism
- Individually adjustable spring tension
- Max. Torque: 2.2 Nm
- spring tension can be switched on and off without tools and without varying the tension setting
- Adjustment of the redression range in 10° steps
- Position of the redression range of 90° selectable via adjustable hinge bar
- Load-bearing construction
- Quick activation/deactivation of the lock without effort directly on the hinge
- Adjustable angle position of the lock
- Adjustable "freewheel" mode



## CDS® block Nano Hinge

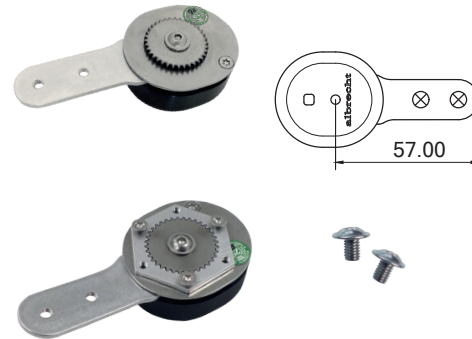
### Features

- Dynamic CDS® block Nano Hinge with self-locking mechanism
- Individually adjustable spring tension
- Max. Torque: 2.2 Nm
- spring tension can be switched on and off without tools and without varying the tension setting
- Adjustment of the redression range in 10° steps
- Position of the redression range of 90° selectable via adjustable hinge bar
- Load-bearing construction
- Quick activation/deactivation of the lock without effort directly on the hinge
- Adjustable "freewheel" mode
- Immobilisation possible



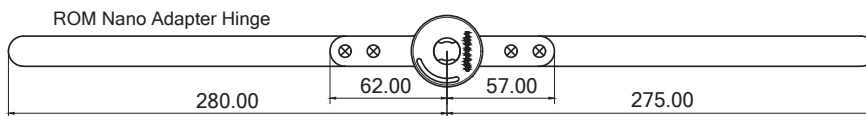
## Features

- Optimized for orthoses produced by additive manufacturing
- Individually adjustable spring tension, max. torque 2.2 Nm
- spring tension can be switched on and off without tools and without varying the tension setting
- Limitation of the range of motion possible (extension stop)
- Adjustment of the redression range in 10° steps
- Position of the redression range of 90° selectable via adjustable joint adapter
- Hexagon for optimum force transmission between hinge and printed holder
- On request, the hinge can be provided as an STL file for Construction



CDS® Nano Hybrid Hinge	Art.-No. left	Art.-No. right
CDS® Nano Hybrid Hinge 16 mm Alu	811-900-S	811-901-S
CDS® Nano Hybrid Hinge 16 mm Alu 15° curved	811-905-S	811-906-S

## ROM Nano Adapter Hinge

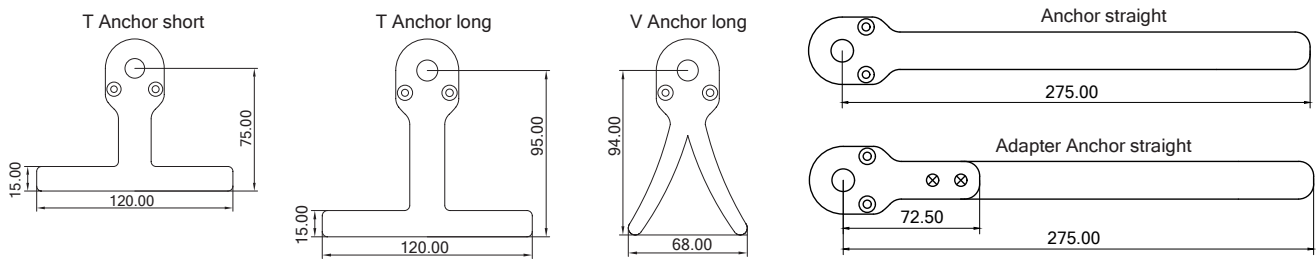


## Features

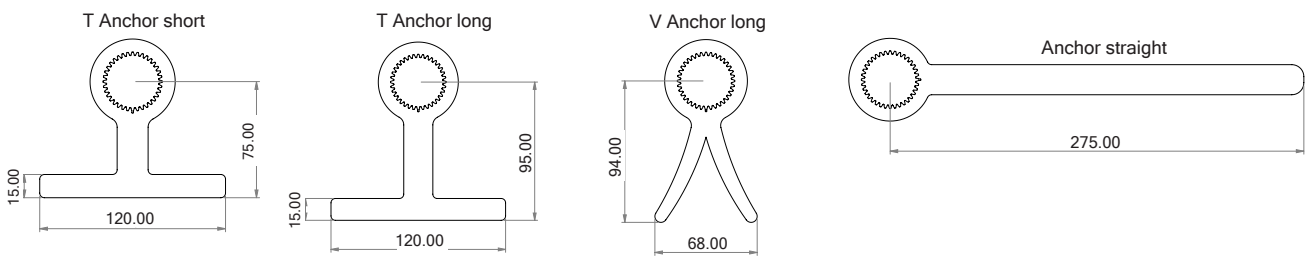
- limits may be adjusted without tools
- extension limti may be adjusted between -10° and 100° in 10° increments
- flexion limits may be adjusted between 0° and 130° in 10° increments
- immobilisation is possible between -10° and 100° in 10° increments

ROM Nano Adapter Hinge	Art.No. left	Art.-No. right
ROM Nano Adapter Hinge SST	811-110-S	811-111-S
ROM Nano Adapter Hinge Alu	811-100-S	811-101-S

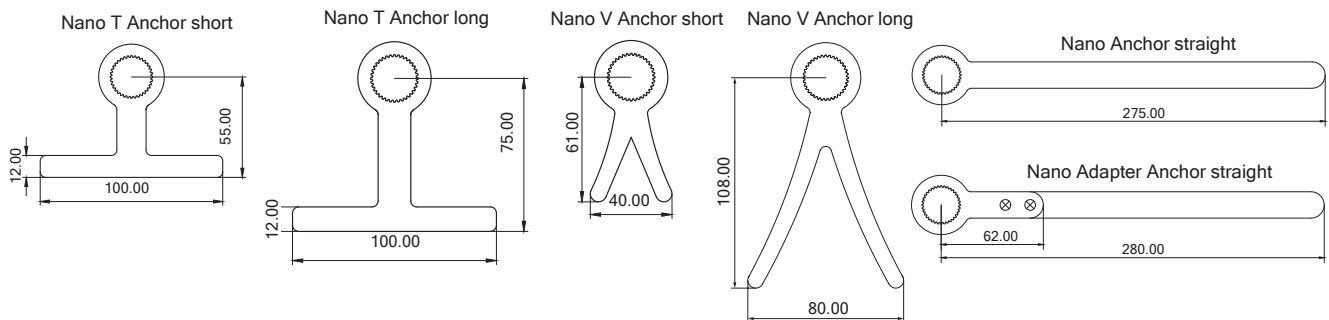
## Anchor for CDS® Hinge



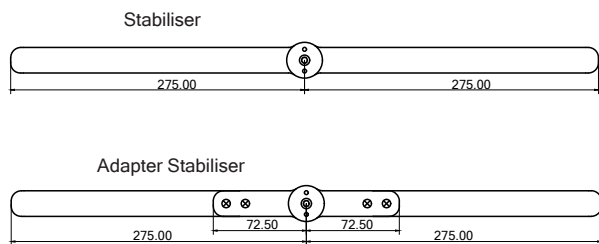
## Toothed anchor for CDS® Hinge



## Anchor for CDS® Nano Hinge

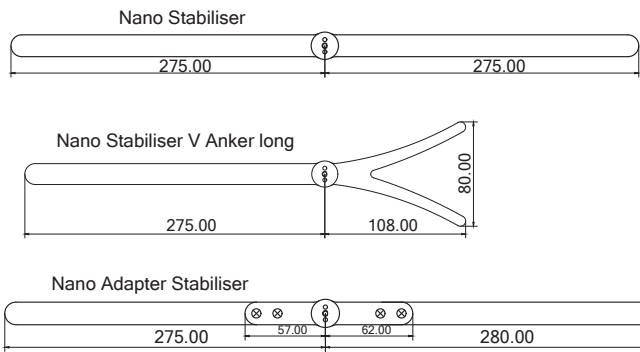


## CDS® Stabiliser



Stabilisers can be configured to match the joint you have selected. You can also choose between standard stabilisers and adapter stabilisers, aluminum or steel, and various widths and strengths.

Stabiliser	Art.-No.
CDS® Stabiliser 16 mm SST	830-180-S
CDS® Stabiliser 20 mm SST	830-160-S
CDS® Stabiliser 24 mm SST	830-110-S
CDS® Stabiliser 20 mm Alu	830-150-S
CDS® Stabiliser 24 mm Alu	830-100-S
CDS® Adapter Stabiliser 16 mm SST	830-280-S
CDS® Adapter Stabiliser 20 mm SST	830-260-S
CDS® Adapter Stabiliser 24 mm SST	830-210-S
CDS® Adapter Stabiliser 20 mm Alu	830-250-S
CDS® Adapter Stabiliser 24 mm Alu	830-200-S

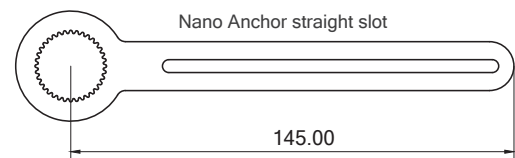


Stabiliser	Art.-No.
CDS® Nano Stabiliser SST	830-195-S
CDS® Nano Stabiliser Alu	830-190-S
CDS® Nano Stabiliser V Anchor long SST	830-196-S
CDS® Nano Adapter Stabiliser SST	830-295-S
CDS® Nano Adapter Stabiliser Alu	830-290-S

Nano Stabilisers can be configured to match the joint you have selected. You can also choose between nano stabilisers and nano adapter stabilisers, aluminum or steel, and various widths and strengths.

## CDS® Nano Anchor straight slot

CDS® Nano Anchor straight slot	Art.-No.
CDS® Nano Anchor straight 16 mm slot SST	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 element for quick, tool-free connection or separation of two components

### Separating Coniungi:

Press the locking bolt on the Coniungi and pull the elements apart at the same time.

### Connecting Coniungi:

Push the two elements together until the Coniungi locks audibly.

### Coniungi connecting element with connection support

The Coniungi, which is already mounted and assembled with screws on a connection support, makes it easier to work with the connecting element.

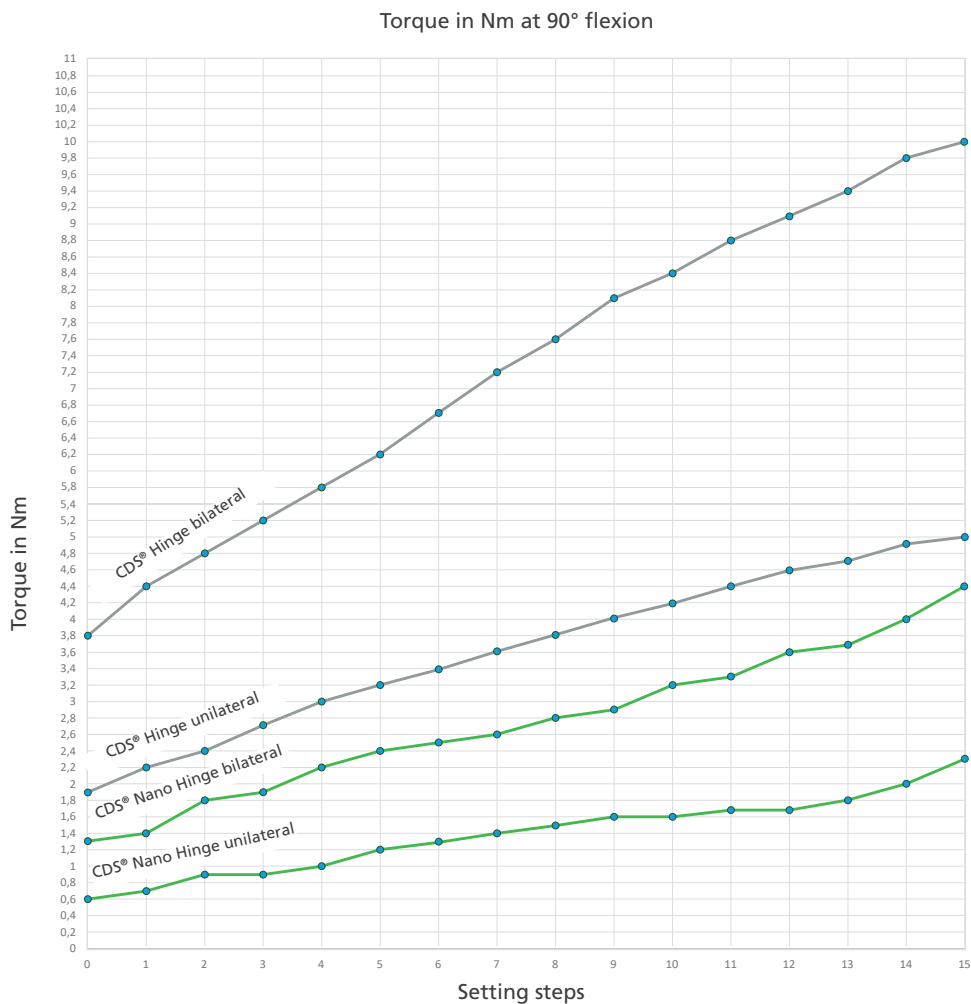


connecting unit Coniungi	Art.-No.
connecting unit Coniungi 16 mm	814-100-S
connecting unit Coniungi 24 mm	814-120-S



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

## Technical data for CDS® Hinges and CDS® Nano Hinges



## Materials and widths

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

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

## CDS® Alignment Set

Using the Alignment Set when manufacturing custom-made orthoses ensures the correct position and parallelism of the hinges.

<b>Article designation</b>	<b>Art.-No.</b>
CDS® Alignment Set	860-100-S
Alignment Set Replacement Kit	860-180-S
<b>Article designation</b>	<b>Art.-No.</b>
Adjustable face spanner	280-044-S
<b>Article designation</b>	<b>Art.-No.</b>
Spiral drill HSS/E DIN3 38 type N 3,2	280-076-S
Spiral drill HSS/E DIN3 38 type N 4,2	280-077-S



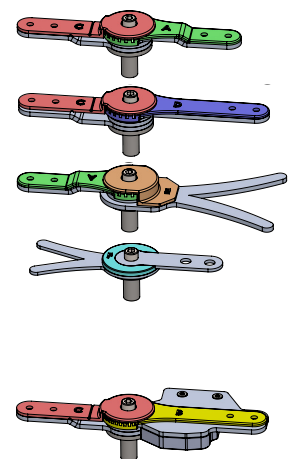
CDS® Alignment Set

### Positioning sets:

These sets can be used in addition to the CDS® Alignment Set. The plastic components enable the angular alignment of the hinge side bars to each other. Particularly with bilateral hinge configurations, the positioning aids ensure identical stop or locking positions as well as the subsequent synchronized movement of the hinges. The positioning sets are designed for single use. One positioning set is required per installed hinge.

Name	Art.-No.
Positioning set CDS® Adapter Hinge 360°	860-420-S
Positioning set CDS® Adapter Hinge 360° plus	860-440-S
Positioning set CDS® Adapter Hinge 360° with V/T Anchor	860-460-S
Positioning set CDS® Nano Adapter Hinge	860-400-S
Positioning set CDS® lock INDIVIDUAL Set unilat. 16mm left	860-500-L
Positioning set CDS® lock INDIVIDUAL Set unilat. 16mm right	860-500-R
Positioning set CDS® lock INDIVIDUAL Set unilat. 20mm left	860-505-L
Positioning set CDS® lock INDIVIDUAL Set unilat. 20mm right	860-505-R
Positioning set CDS® lock INDIVIDUAL Set unilat. 24mm left	860-510-L
Positioning set CDS® lock INDIVIDUAL Set unilat. 24mm right	860-510-R

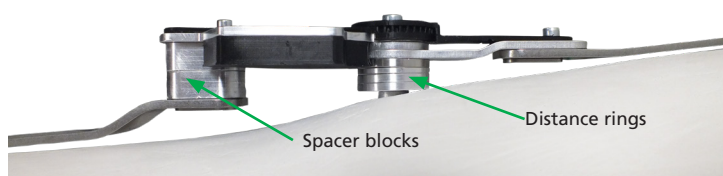
Positioning sets for hinge alignment



### Spacer blocks:

Spacer blocks can be used to reduce the amount of adjusting and resin build-up. Spacer blocks are available for side bar widths of 16mm, 20mm and 24mm. The sets contain 4 blocks (5mm thick) that can be placed on top of each other. The blocks are laminated into the orthosis.

Name	Art.-No.
Set Spacer blocks 16mm	860-600-S
Set Spacer blocks 20mm	860-605-S
Set Spacer blocks 24mm	860-610-S

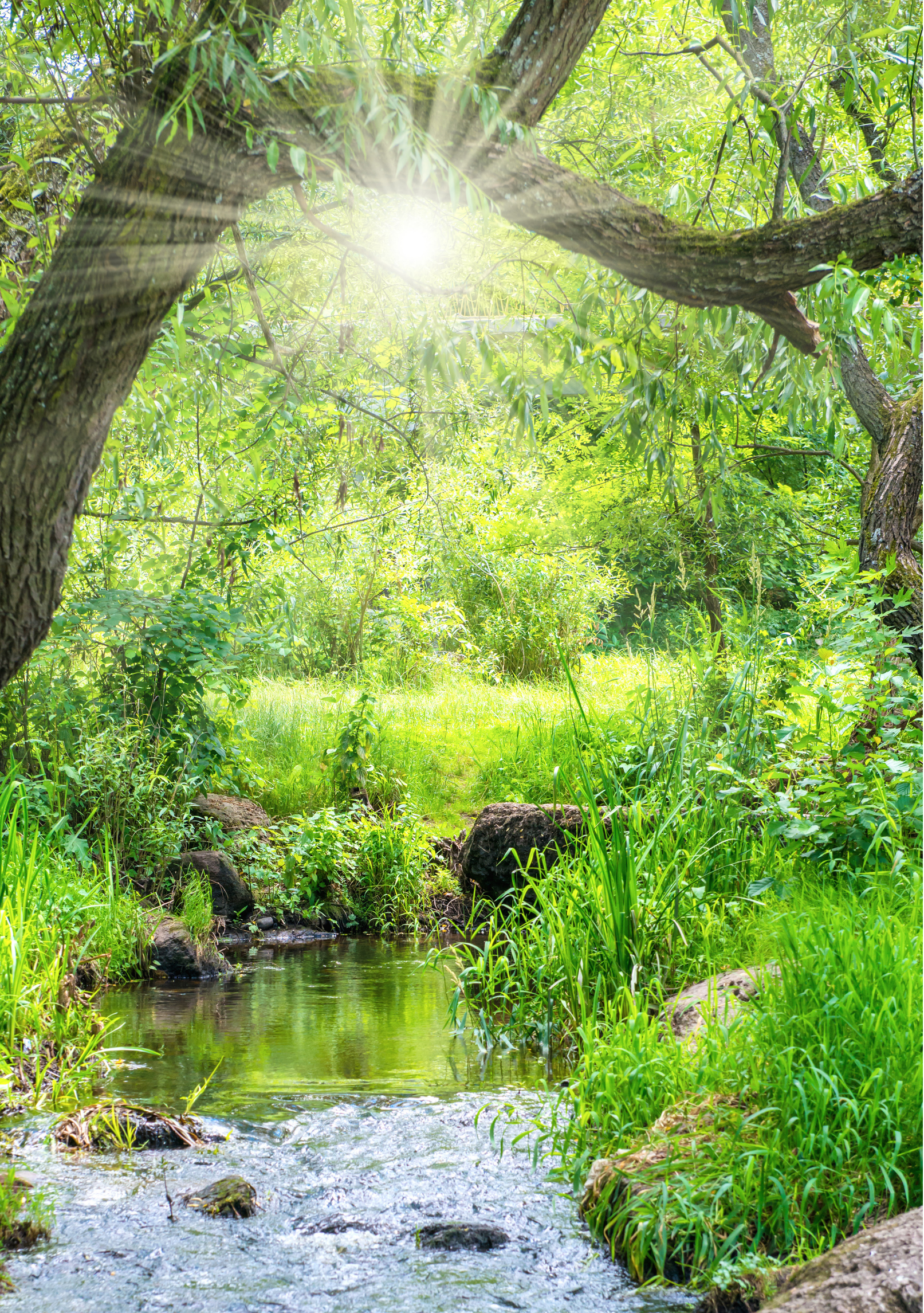


Assembled CDS® Alignment Aet for the CDS® lock INDIVIDUAL Set with matching Positioning set and spacer components

### Spacer rings:

Spacer rings can be used to fill gaps between the cast and the alignment set and to precisely define the contact. The set includes rings with thicknesses of 5mm, 3mm and 2mm, which can be combined as required. The spacer rings are designed for multiple use.

Name	Art.-No.
Set Spacer rings	860-680-S



## Orthoses to immobilize during rehabilitation

Positioning orthoses are used to hold a body part in a prescribed position to provide stabilization and protection.

They are typically used while the patient is at rest or lying down and are not intended to facilitate movement.

These devices are commonly applied during the acute phase of treatment, for example following injury or surgery.

# 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 in 10° increments from 60° to 120°

**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 (foot)

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

#### Foot splint (without padding and straps)

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

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 (elbow)

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

#### Elbow splint (without padding and straps)

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

Other sizes available on request

# 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	L	M	S
Length of Arm sling [cm]	50	44	38
Art.-No.	37-6002	37-6001	37-6000

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
- Suitable for left or right foot



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

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

Immobilizer

# 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 [cm]	1,25	1,90	2,50
Length [cm]	46	46	46
Art.-No.	10601	10611	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	S	M	L
Length [cm]	9	10,5	12,5
Art.-No.	11111	11121	11131

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

# 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

Size	S	M	L
Length [cm]	6	8,5	16
Art.-No.	11011	11021	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.



Immobilizer

### Size chart and article numbers

Size	S	M	L
Length [cm]	5,5	8	9
Art.-No.	10911	10921	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

Size	S	M	L
Length [cm]	6	7,5	8
Art.-No.	10801	10811	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	1	2	3	4	5	5,5	6	7
Art.-No.	10701	10702	10703	10704	10705	10706	10707	10708

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

## Finger splints

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



### Size chart and article numbers

Name	Splintbox
Art.-No.	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

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## MKS® – Modular Corset System

The modular corset system stabilises specific areas of the spine and supports upright posture. This achieves postural corrections that actively support rehabilitation for certain indications.


Our MKS® programme is based on a **modular system** and is divided into an orthosis programme with rigid support elements and a bandage programme with partially elastic, supple back and torso bandages.

The individual components of the programmes can be combined in some cases, enabling precise, individual adaptation to the respective indication and patient.

# MKS® Body Belt

## Stabilisation orthosis with upgrade option

### Sizes

 This product is also 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 micro 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	1	2	3	4	5	6
<b>Body circumference [cm]</b>	60 - 70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135
<b>Abdominal height [cm]</b>	18	18	18	18	18	18
<b>Back height [cm]</b>	22	23	23	24	24	24
<b>Art.-No.</b>	582-001-S	582-002-S	582-003-S	582-004-S	582-005-S	582-006-S

#### Reduced height

<b>Abdominal height [cm]</b>	14	14	14	14	14	14
<b>Back height [cm]</b>	18	19	19	20	20	20
<b>Art.-No.</b>	582-001N-S	582-002N-S	582-003N-S	582-004N-S	582-005N-S	582-006N-S

### Optional accessories

	Silicone pad
<b>Art.-No.</b>	350-014-S

Other sizes available on request

# MKS® Body Belt plus

☎ 00800 03032900

## Stabilisation orthosis with upgrade option and tension elements

### Sizes



This product is also available in pediatric sizes

### Indications

- Pain in the lumbar spine region
- Lumbar spine syndrome
- Lumbago
- Spondylarthrosis
- Sacroiliac joint irritation
- Lumbar muscle insufficiency

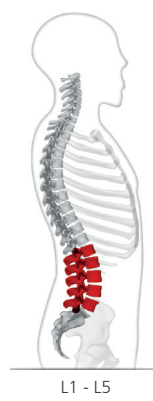
### Features

- Additional tensioning straps
- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with micro 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 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	1	2	3	4	5	6
<b>Body circumference [cm]</b>	60 - 70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135
<b>Abdominal height [cm]</b>	18	18	18	18	18	18
<b>Back height [cm]</b>	22	23	23	24	24	24
<b>Art.-No.</b>	582-201-S	582-202-S	582-203-S	582-204-S	582-205-S	582-206-S

#### Reduced height

<b>Abdominal height [cm]</b>	14	14	14	14	14	14
<b>Back height [cm]</b>	18	19	19	20	20	20
<b>Art.-No.</b>	582-201N-S	582-202N-S	582-203N-S	582-204N-S	582-205N-S	582-206N-S

### Optional accessories

	Silicone pad
<b>Art.-No.</b>	350-014-S

Other sizes available on request

# MKS® Vario

## Variable stabilisation orthosis with upgrade option

### Indications

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

### Features

- The 3-part design allows the support to be individually adjusted to the respective body shape.
- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with micro 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® 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

Size	Standard	Extra
Body circumference [cm]	70 - 95	95 - 125
Abdominal height [cm]	18	18
Back height [cm]	25	25
Art.-No.	581-063-S	581-064-S

### Optional accessories

Art.-No.	Silicone pad
	350-014-S

### Build-up

The MKS® Vario consists of two side sections, a center section, and a textile cover. This allows the bandage to be adapted to different body shapes. Depending on the required circumference and desired shape, the two side sections are attached symmetrically to the center section using Velcro. The sewn-on markings serve as a guide for this.



Other sizes available on request

## Stabilisation orthosis with pad and option to attach and detach

### Indications

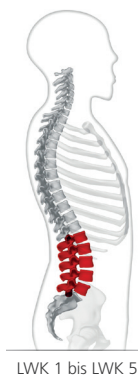
- Severe lower back pain
- Severe lumbago
- Relapsing lumbago
- Osteochondrosis
- Spondylolysis without displacement of vertebrae
- Mild lumbar deformity (with displacement of vertebrae)
- Spondylarthrosis
- Sacroiliac joint irritation
- Lumbar muscle insufficiency

### Features

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



Silicone Pad



LWK 1 bis LWK 5

### 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.

### Size chart and article numbers

Size	1	2	3	4	5	6
<b>Body circumference [cm]</b>	60 - 70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135
<b>Abdominal height [cm]</b>	18	18	18	18	18	18
<b>Back height [cm]</b>	22	23	23	24	24	24
<b>Art.-No.</b>	582-401-S	582-402-S	582-403-S	582-404-S	582-405-S	582-406-S

Other sizes available on request

# MKS® Lumbago plus

Stabilising orthosis with tensioning elements and attachment and removal options and pad

## 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

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



Silicone Pad



L1 - L5



## 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.

## Size chart and article numbers

Size	1	2	3	4	5	6
<b>Body circumference [cm]</b>	60 - 70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135
<b>Abdominal height [cm]</b>	18	18	18	18	18	18
<b>Back height [cm]</b>	22	23	23	24	24	24
<b>Art.-No.</b>	582-501-S	582-502-S	582-503-S	582-504-S	582-505-S	582-506-S

Other sizes available on request

## Lumbar Bandage with silicone pad stimulating blood circulation

### Indications

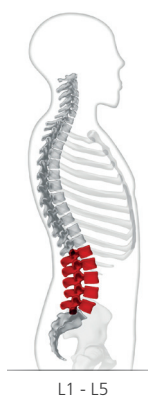
- Severe lower back pain
- Severe lumbago
- Relapsing lumbago
- Osteochondrosis
- Spondylolysis without displacement of vertebrae
- Mild lumbar deformity (with displacement of vertebrae)
- Spondylarthrosis
- Sacroiliac joint irritation
- Lumbar muscle insufficiency

### Features

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



Silicone Pad



L1 - L5

### 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.

### Size chart and article numbers

Size	Standard	Extra
<b>Body circumference [cm]</b>	70 - 95	95 - 125
<b>Abdominal height [cm]</b>	18	18
<b>Back height [cm]</b>	25	25
<b>Art.-No.</b>	581-069-S	581-070-S

### Build-up

The MKS® Lumbago Vario consists of two side sections, a center section, and a textile cover. This allows the bandage to be adapted to different body shapes. Depending on the required circumference and desired shape, the two side sections are attached symmetrically to the center section using Velcro. The sewn-on markings serve as a guide for this.



Spinal  
orthoses

Other sizes available on request

# 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

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



### 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	1	2	3	4	5	6	51	61
<b>Body circumference [cm]</b>	60 -70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135	105 - 120	120 - 135
<b>Abdominal height [cm]</b>	18	18	18	18	18	18	18	18
<b>Back height [cm]</b>	32	32	34	34	38	38	34 (reduced)	34 (reduced)
<b>Art.-No.</b>	582-801-S	582-802-S	582-803-S	582-804-S	582-805-S	582-806-S	582-8051-S	582-8061-S

#### Reduced height

<b>Abdominal height [cm]</b>	14	14	14	14	14	14
<b>Back height [cm]</b>	26	26	26	26	26	26
<b>Art.-No.</b>	582-801N-S	582-802N-S	582-803N-S	582-804N-S	582-805N-S	582-806N-S

Other sizes available on request

## 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

- Firm, circular high abdominal piece with hook and loop fastener
- Semi-elastic bandaging material
- Lateral reinforcing stays
- 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		1	2	3	4	5	6
<b>Body circumference [cm]</b>		60 - 70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135
<b>Abdominal height [cm]</b>	25	582-9011-S	582-9021-S	582-9031-S	582-9041-S	582-9051-S	582-9061-S
<b>Back height [cm]</b>	32						
<b>Abdominal height [cm]</b>	30	582-9012-S	582-9022-S	582-9032-S	582-9042-S	582-9052-S	582-9062-S
<b>Back height [cm]</b>	38						

#### Semi-Assembled Product\*

Size		1	2	3	4	5	6
<b>Body circumference [cm]</b>		60 - 70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135
<b>Abdominal height [cm]</b>	25	582-9011-H	582-9021-H	582-9031-H	582-9041-H	582-9051-H	582-9061-H
<b>Back height [cm]</b>	32						
<b>Abdominal height [cm]</b>	30	582-9012-H	582-9022-H	582-9032-H	582-9042-H	582-9052-H	582-9062-H
<b>Back height [cm]</b>	38						

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

Other sizes available on request

# MKS® Pontsana® mobil

Lumbar support orthosis with mobilization function through up and down adjustment option

## Indications

- Moderatley severe lumbar sciatica with slight failures in intervertebral disc protrusion/prolapse
- Moderatley severe radicular lumbar syndrome, pseudo-radicular lumbar syndrome
- 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
- Lumbar spinal syndromes
- Lumbago
- Spondylarthrosis
- Sacroiliac joint irritation
- Lumbar muscle insufficiency

## Features

- Removable, additional, double elastic side straps
- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with micro hook and loop fastener
- Bridging rods (spring band steel)



## 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	1	2	3	4	5	6	51	61
<b>Body circumference [cm]</b>	60 - 70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135	105 - 120	120 - 135
<b>Abdominal height [cm]</b>	18	18	18	18	18	18	18	18
<b>Back height [cm]</b>	32	32	34	34	38	38	34 (reduced)	34 (reduced)
<b>Art.-No.</b>	582-811-S	582-812-S	582-813-S	582-814-S	582-815-S	582-816-S	582-8151-S	582-8161-S

Other sizes available on request

## Lumbar bandage with firm bridging frame

### Indications

- Severe lumbar sciatica with muscle weakness in cases of significant disc protrusion/prolapse without absolute indication for surgery
- Severe radicular, pseudoradicular lumbar syndrome (resistant to conservative treatment)
- Spondylolisthesis with recurrent lumbar sciatica
- Severe lumbar deformity with facet syndrome / arthrosis
- Single-level spinal canal decompression without deformity
- After disc surgery without residual paresis with cleared disc
- Single-level disc surgery
- Spinal canal stenosis with short walking distance without severe paresis
- Minor post-traumatic vertebral fracture
- Pathological fracture, e.g. fracture threatening to become plasmacytoma
- Stable fracture that can be managed conservatively
- ISG irritation
- Spinal canal stenosis with severe paresis

### Features

- Stable, contour-adapting bridging frame
- Semi-elastic bandaging material
- Firm abdominal piece with micro hook and loop fastener
- Bridging rods (spring band steel)
- lateral reinforcing stays
- additional lateral double straps



### 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	1	2	3	4	5	6	51	61
<b>Body circumference [cm]</b>	60 - 70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135	105 - 120	120 - 135
<b>Abdominal height [cm]</b>	18	18	18	18	18	18	18	18
<b>Back height [cm]</b>	32	32	34	34	38	38	34 (reduced)	34 (reduced)
<b>Art.-No.</b>	582-881-S	582-882-S	582-883-S	582-884-S	582-885-S	582-886-S	582-8851-S	582-8861-S

#### Reduced height

<b>Abdominal height [cm]</b>	14	14	14	14	14	14
<b>Back height [cm]</b>	26	26	26	26	26	26
<b>Art.-No.</b>	582-881N-S	582-882N-S	582-883N-S	582-884N-S	582-885N-S	582-886N-S

Other sizes available on request

# MKS® Osteo

Orthosis for active relief and correction of the lumbar/thoracic spine in the sagittal plane with up and down adjustment option

## Sizes



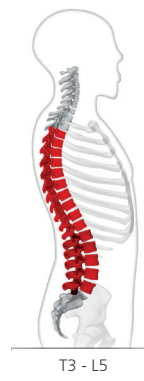
This product is also available in pediatric sizes.

## 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 staysäbe
- Firm abdominal piece with micro 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		1	2	3	4	5	6
<b>Body circumference [cm]</b>		60 -70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135
<b>Abdominal height [cm]</b>	18						
<b>Back height reclination [cm]</b>	S 46	782C-1	782C-2	782C-3	782C-4	782C-5	782C-6
	M 50	782A-1	782A-2	782A-3	782A-4	782A-5	782A-6
	L 56	782B-1	782B-2	782B-3	782B-4	782B-5	782B-6

## Reduced height

<b>Abdominal height [cm]</b>	14						
<b>Back height reclination [cm]</b>	XS 43	782D-1N	782D-2N	782D-3N	782D-4N	782D-5N	782D-6N
	S 46	782C-1N	782C-2N	782C-3N	782C-4N	782C-5N	782C-6N
	M 50	782A-1N	782A-2N	782A-3N	782A-4N	782A-5N	782A-6N
	L 56	782B-1N	782B-2N	782B-3N	782B-4N	782B-5N	782B-6N

Other sizes available on request

## Modules for the modular assembly

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



### Reduced height

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




Spinal  
orthoses

# MKS® Osteo plus

Orthosis for active relief and correction of the lumbar/thoracic spine in the sagittal plane with up and down adjustment option

## Sizes

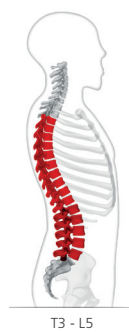
 This product is also available in pediatric sizes.

## 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

- Additional lateral double straps
- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with micro hook and loop fastener
- 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		1	2	3	4	5	6
<b>Body circumference [cm]</b>		60 -70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135
<b>Abdominal height [cm]</b>	18						
<b>Back height reclination [cm]</b>	S 46	784C-1	784C-2	784C-3	784C-4	784C-5	784C-6
	M 50	784A-1	784A-2	784A-3	784A-4	784A-5	784A-6
	L 56	784B-1	784B-2	784B-3	784B-4	784B-5	784B-6

## Reduced height

<b>Abdominal height [cm]</b>	14						
<b>Back height reclination [cm]</b>	XS 43	784D-1N	784D-2N	784D-3N	784D-4N	784D-5N	784D-6N
	S 46	784C-1N	784C-2N	784C-3N	784C-4N	784C-5N	784C-6N
	M 50	784A-1N	784A-2N	784A-3N	784A-4N	784A-5N	784A-6N
	L 56	784B-1N	784B-2N	784B-3N	784B-4N	784B-5N	784B-6N

Other sizes available on request

## Modules for the modular assembly

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



### Reduced height

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



Spinal  
orthoses

# MKS® Osteo flex

Orthosis for active relief and correction of the lumbar/thoracic spine in the sagittal plane with up and down adjustment option

## 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

- Textile back section with paravertebral spring band rods
- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with micro hook and loop fastener
- 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		1	2	3	4	5	6
<b>Body circumference [cm]</b>		60 -70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135
<b>Abdominal height [cm]</b>	18						
<b>Back height reclination [cm]</b>	S 46	783C-1	783C-2	783C-3	783C-4	783C-5	783C-6
	M 50	783A-1	783A-2	783A-3	783A-4	783A-5	783A-6
	L 56	783B-1	783B-2	783B-3	783B-4	783B-5	783B-6

## Reduced height

<b>Abdominal height [cm]</b>	14						
<b>Back height reclination [cm]</b>	XS 43	783D-1N	783D-2N	783D-3N	783D-4N	783D-5N	783D-6N
	S 46	783C-1N	783C-2N	783C-3N	783C-4N	783C-5N	783C-6N
	M 50	783A-1N	783A-2N	783A-3N	783A-4N	783A-5N	783A-6N
	L 56	783B-1N	783B-2N	783B-3N	783B-4N	783B-5N	783B-6N

Other sizes available on request

## Modules for the modular assembly

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



### Reduced height

		Included as standard in the products Art.-No. 783.																								
Name	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	
<b>Dorsal plate with reclination straps</b>																										
XS 43 cm	761-070-S	•				•				•				•				•				•				
S 46 cm	761-071-S		•				•				•				•				•			•				
M 50 cm	761-072-S			•				•				•				•				•			•			
L 56 cm	761-073-S				•				•				•				•				•			•		
<b>Body belt Gr. 1 60 - 70 cm</b>	582-001N-S	•	•	•	•																					
<b>Body belt Gr. 2 70 - 80 cm</b>	582-002N-S					•	•	•	•																	
<b>Body belt Gr. 3 80 - 90 cm</b>	582-003N-S									•	•	•	•													
<b>Body belt Gr. 4 90 - 105 cm</b>	582-004N-S													•	•	•	•									
<b>Body belt Gr. 5 105 - 120 cm</b>	582-005N-S																		•	•	•	•				
<b>Body belt Gr. 6 120 - 135 cm</b>	582-006N-S																					•	•	•	•	



Spinal  
orthoses

# MKS® Osteo flex plus

Orthosis for active relief and correction of the lumbar/thoracic spine in the sagittal plane with up and down adjustment option

## 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

- Additional lateral double straps
- Textile back piece with paravertebral steel tape rods
- Semi-elastic bandaging material
- Lateral reinforcing stayse
- Firm abdominal piece with micro hook and loop fastener
- 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	1	2	3	4	5	6	
<b>Body circumference [cm]</b>	60 -70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135	
<b>Abdominal height [cm]</b>	18						
<b>Back height reclination [cm]</b>	S 46	781C-1	781C-2	781C-3	781C-4	781C-5	781C-6
	M 50	781A-1	781A-2	781A-3	781A-4	781A-5	781A-6
	L 56	781B-1	781B-2	781B-3	781B-4	781B-5	781B-6

### Reduced height

Abdominal height [cm]							
<b>Back height reclination [cm]</b>	XS 43	781D-1N	781D-2N	781D-3N	781D-4N	781D-5N	781D-6N
	S 46	781C-1N	781C-2N	781C-3N	781C-4N	781C-5N	781C-6N
	M 50	781A-1N	781A-2N	781A-3N	781A-4N	781A-5N	781A-6N
	L 56	781B-1N	781B-2N	781B-3N	781B-4N	781B-5N	781B-6N

Other sizes available on request

## Modules for the modular assembly

Name	Art.-No.	Included as standard in the products Art.-No. 781...																	
		C1	A1	B1	C2	A2	B2	C3	A3	B3	C4	A4	B4	C5	A5	B5	C6	A6	B6
<b>Dorsal plate with reclination straps</b>																			
S 46 cm	761-071-S	•			•			•			•			•			•		
M 50 cm	761-072-S		•			•			•			•			•			•	
L 56 cm	761-073-S			•			•			•			•			•			•
<b>Body belt Gr. 1 60 - 70 cm</b>	582-201-S	•	•	•															
<b>Body belt Gr. 2 70 - 80 cm</b>	582-202-S				•	•	•												
<b>Body belt Gr. 3 80 - 90 cm</b>	582-203-S							•	•	•									
<b>Body belt Gr. 4 90 - 105 cm</b>	582-204-S										•	•	•						
<b>Body belt Gr. 5 105 - 120 cm</b>	582-205-S													•	•	•			
<b>Body belt Gr. 6 120 - 135 cm</b>	582-206-S																•	•	•



### Reduced height

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



Spinal orthoses

# MKS® Lumbo

Bridging orthosis with mobilisation function through up and down adjustment option

## Indications

- Severe lumbar sciatica
- Severe lumbar syndrome
- Spondylolithesis
- Facet syndrome
- Spinal stenosis
- Vertebral body fractures

## Features

- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with micro 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

Size	Standard	Extra
Body circumference [cm]	70 - 95	95 - 125
Abdominal height: 18 cm Back height: 28-32 cm	785A-1	785A-2
Abdominal height: 18 cm Back height: 36-40 cm	785B-1	785B-2

Other sizes available on request

## Modules for the modular assembly

Name	Art.-No.	Included as standard in the products Art.-No. 785...				
		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

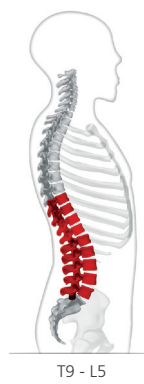
## Bridging orthosis with mobilisation function

### 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

- Firm, high abdominal piece with hook and loop fastener
- Semi-elastic bandaging material
- Lateral reinforcing stays
- 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	1	2	3	4	5	6
<b>Body circumference [cm]</b>	60 - 70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135
<b>Abdominal height: 25 cm Back height: 32 cm</b>	787-11	787-21	787-31	787-41	787-51	787-61
<b>Abdominal height: 30 cm Back height: 38 cm</b>	787-12	787-22	787-32	787-42	787-52	787-62

Optional back rods (spring band steel) for mobilisation:  
 28 cm – Art.-Nr.: 221-021-S (for Back height 32 cm)  
 34 cm – Art.-Nr.: 221-022-S (for Back height 38 cm)

Other sizes available on request

## Modules for the modular assembly

Name	Art.-No.	Included as standard in the products Art.-No. 787...												
		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

Orthosis for relief/correction of the lumbar/thoracic spine in the sagittal and frontal planes with mobilisation function through up and down adjustment option

## Indications

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

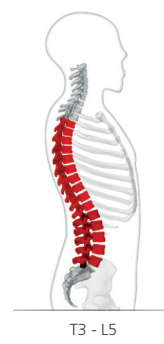
## Features

- Reclination straps
- Semi-elastic bandaging material
- Lateral reinforcing stays
- Firm abdominal piece with micro 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 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

Size	Standard	Extra
<b>Body circumference [cm]</b>	70 - 95	95 - 125
<b>Abdominal height: 18cm Back height reclination: 53-58 cm</b>	786C-1	786C-2
<b>Abdominal height: 18cm Back height reclination: 59-65 cm</b>	786A-1	786A-2
<b>Abdominal height: 18cm Back height reclination: 66-72 cm</b>	786B-1	786B-2

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

Other sizes available on request


## Modules for the modular assembly

Name	Art.-No.	Included as standard in the products Art.-No. 786...						
		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

Orthosis for relief/correction of the lumbar/thoracic spine in the sagittal and frontal planes with mobilisation function through up and down adjustment option

## Sizes

 This product is also 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

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



## 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	1	2	3	4	5	6
<b>Body circumference [cm]</b>	60 - 70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135
<b>Abdominal height: 25 cm Back height reclination: 53-58 cm</b>	788-10	788-20	788-30	788-40	788-50	788-60
<b>Abdominal height: 25 cm Back height reclination: 59-65 cm</b>	788-11	788-21	788-31	788-41	788-51	788-61
<b>Abdominal height: 25 cm Back height reclination: 66-72 cm</b>	788-12	788-22	788-32	788-42	788-52	788-62

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

Other sizes available on request

## Modules for the modular assembly

Name	Art.-No.	Included as standard in the products Art.-No. 788...																		
		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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	

Spinal  
orthoses

# MKS® Lumbo mobil

Flexion orthosis with mobilisation function through up and down adjustment option

## Indications

- Severe lumbar sciatica without absolute indication for surgery
- In cases where surgery is contraindicated
- In patients who refuse surgery
- Severe radicular, pseudoradicular lumbar syndrome (resistant to conservative treatment)
- Spondylolisthesis with severe lumbar sciatica
- Severe lumbar deformity with hypermobility in facet syndrome/arthrosis
- After spinal surgery, e.g.: dorso-ventral/dorso-lateral fusion, spinal canal decompression, single-level with deformity and multi-level
- Disc surgery with large prolapse
- Lumbar instability
- Spinal canal stenosis with paresis and contraindication for surgery
- Post-traumatic vertebral fracture with significant vertebral body damage

## Features

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



## Mode of operation









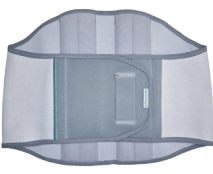






The MKS® Lumbo mobil functions according to the 3-Point-Principle. The wide lumbar bandage with the additional tensioning straps and the modular frame structure straightens and hence relieves the lumbar vertebral column.

## Size chart and article numbers

Size	1	2	3	4	5	6	51	61
<b>Body circumference [cm]</b>	60 - 70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135	105 - 120	120 - 135
<b>Abdominal height [cm]</b>	18	18	18	18	18	18	18	18
<b>Back height [cm]</b>	32	32	34	34	38	38	34 (reduced)	34 (reduced)
<b>Art.-No.</b>	789-1	789-2	789-3	789-4	789-5	789-6	789-51	789-61

Other sizes available on request

## Modules for the modular assembly

Name	Art.-No.	Included as standard in the products Art.-No. 789...									
		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 Gr. 1	581-301-S	•									
MKS® Body belt mobil Gr. 2	581-302-S		•								
MKS® Body belt mobil Gr. 3	581-303-S			•							
MKS® Body belt mobil Gr. 4	581-304-S				•						
MKS® Body belt mobil Gr. 5	581-305-S					•					
MKS® Body belt mobil Gr. 6	581-306-S						•				
MKS® Body belt mobil Gr. 51	581-3051-S							•			
MKS® Body belt mobil Gr. 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					•	•				

## Bridging orthosis with stable frame and mobilisation function

### Indications

- Severe lumbar sciatica with muscular deficiency in cases of significant disc protrusion/ prolapse without absolute indication for surgery
- Severe radicular, pseudoradicular lumbar syndrome (resistant to conservative treatment)
- Spondylolisthesis with recurrent lumbar sciatica
- Severe lumbar deformity in facet syndrome/ arthrosis
- Single-level spinal canal decompression without deformity
- After disc surgery without residual paresis with cleared disc
- Single-level disc surgery
- Spinal canal stenosis with short walking distance without severe paresis
- Minor post-traumatic vertebral fracture
- Pathological fractures, e.g. plasmacytoma-threatening fracture
- Stable, conservatively manageable fracture
- Spinal canal stenosis with severe

### Features

- Stable bridging frame that adjusts to contour, with window
- Semi-elastic bandaging material
- Firm abdominal piece with micro hook and loop fastener
- Removable bridging bars made of spring steel
- Lateral reinforcing stays
- Additional lateral double straps



### 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	1	2	3	4	5	6
<b>Body circumference [cm]</b>	60 - 70	70 - 80	80 - 90	90 - 105	105 - 120	120 - 135
<b>Abdominal height [cm]</b>	18	18	18	18	18	18
<b>Back height [cm]</b>	32	32	34	34	38	38
<b>Art.-No.</b>	790-11	790-21	790-31	790-41	790-51	790-61

Other sizes available on request




Spinal  
orthoses



# MKS® Extensa

Orthosis for relieving the lumbar/thoracic spine by restricting movement in the sagittal plane with up and down adjustment option

## Sizes

 This product is also 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	S	M	L
Body circumference [cm]	70 - 125	70 - 125	70 - 125
Front height [cm]	40 - 47	48 - 53	54 - 59
Back height [cm]	28	28	28
Art.-No.	706C	706A	706B

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

Other sizes available on request

## Modules for the modular assembly

Name	Art.-No.	Included as standard in the products Art.-No. 706...			
		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

Orthosis for relieving the lumbar/thoracic spine by restricting movement in the sagittal plane with up and down adjustment option

## Sizes



This product is also 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	S	M	L
Body circumference [cm]	70 - 125	70 - 125	70 - 125
Front height [cm]	40 - 47	48 - 53	54 - 59
Back height [cm]	27 - 31	27 - 31	33 - 38
Art.-No.	711C	711A	711B

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

Other sizes available on request

## Modules for the modular assembly

Name	Art.-No.	Included as standard in the products Art.-No. 711...			
		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

Orthosis for relief/correction of the lumbar/thoracic spine in the sagittal and frontal planes with mobilisation function through up and down adjustment option

## Sizes



This product is also 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.
















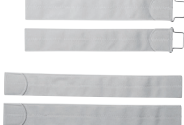

## Size chart and article numbers

Size	S	M	L
Body circumference [cm]	70 - 125	70 - 125	70 - 125
Front height [cm]	40 - 47	48 - 53	54 - 59
Back height [cm]	33 - 38	33 - 38	40 - 45
Art.-No.	731C	731A	731B

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

Other sizes available on request

## Modules for the modular assembly

Name	Art.-No.	Included as standard in the products Art.-No. 731...			
		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

Orthosis for relief and/or correction of the lumbar spine/thoracic spine in the sagittal and frontal planes with mobilisation function through up and down adjustment option

## Sizes



This product is also available in pediatric sizes.

## Indications

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

## Features

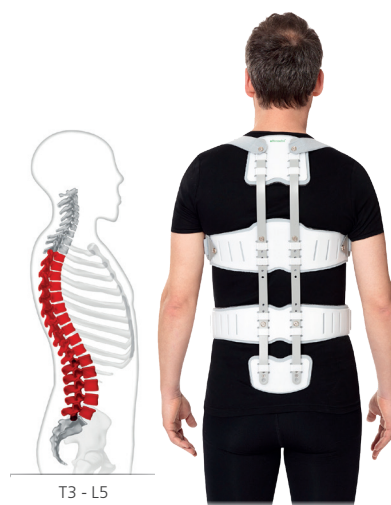
- Adjustable, stable aluminium profiles
- Padded pelottes
- Individual strap course
- Compression padding for the waist
- Additional firm thorax support
- Reclination straps
- Clip fastener for easy handling



**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















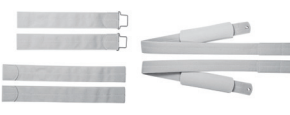

Size	S	M	L
Body circumference [cm]	70 - 125	70 - 125	70 - 125
Front height [cm]	40 - 47	48 - 53	54 - 59
Back height reclination [cm]	52 - 56	59 - 63	66 - 70
Art.-No.	751C	751A	751B

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

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

Other sizes available on request

## Modules for the modular assembly

Name	Art.-No.	Included as standard in the products Art.-No. 751...			
		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 groß	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 with dressing/undressing option

### 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.



Optionally side binding pieces

Optionally side binding pieces for additional compression.

### Size chart and article numbers

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

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

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

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

Other sizes available on request

**Spine**

— MKS® Body Belt	88
— MKS® Body Belt plus	89
— MKS® Vario	90
— MKS® Lumbago	91
— MKS® Lumbago plus	92
— MKS® Lumbago Vario	93
— MKS® Pontsana®	94
— MKS® Pontsana® plus	95
— MKS® Pontsana® mobil	96
— MKS® Pontsana® stabil	97
— MKS® Osteo	98
— MKS® Osteo plus	100
— MKS® Osteo flex	102
— MKS® Osteo flex plus	104
— MKS® Lumbo	106
— MKS® Lumbo forte	108
— MKS® Lumbo plus	110
— MKS® Lumbo forte plus	112
— MKS® Lumbo mobil	114
— MKS® Lumbo fenestra	116
— MKS® Extensa	118
— MKS® Extensa plus	120
— MKS® Thorecta	122
— MKS® Thorecta plus	124
— MKS® Core-Compression-Bandage	126

**Shoulder**

— omosan Shoulder Brace	50
— omosan Shoulder Brace connecting set	51

**Elbow**

— Elbo track	14
— CDS® Elbow Brace Extension	36
— CDS® Elbow Brace Flexion	38
— CDS® Elbow Brace DUO	40
— CDS® Sup-Prosan	42
— CDS® Combination Brace Elbow - Wrist	58
— Immobilizer (elbow)	79
— Arm sling	80

**Hand**

— CDS® Wrist Brace Extension	44
— CDS® Wrist Brace Flexion	46
— CDS® Wrist Brace DUO	48
— CDS® Manusan	52
— Manusan	53
— Aluminium Finger Splint	82
— Baseball Splint	82
— Curved Finger Splint	83
— Finger Cot	83

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— Frog Splint	84
— Stax-Mallet	84
— Splintbox	85

## Knee.....

— Hypex® Lite Brace	8
— Jack PCL	10
— gonasan SPORT OA Brace	12
— CDS® Knee Brace Extension	20
— CDS® Knee Brace Flexion	24
— CDS® lock Knee Brace Extension	26
— CDS® Knee Brace Amputation	28
— CDS® Combination Brace Knee - Ankle	55
— CDS® lock Combination Brace Knee - Ankle	56

## Foot.....

— taluair® Ankle Brace	16
— talupro® Ankle Brace	17
— CDS® Ankle Brace	30
— CDS® Ankle Brace Neuro	34
— halluxsan®	54
— Immobilizer (foot)	78
— Toe plate	81

For orders please copy and send filled in form to:  
E-Mail: info@albrechtgmbh.com  
Fax: 08051-961 29 30

## Dimension sheet lower extremity

Order       Quotation

Date: \_\_\_\_\_

Medical supply store: \_\_\_\_\_

Customer ID: \_\_\_\_\_

Orthopaedic technician: \_\_\_\_\_

Patient ID: \_\_\_\_\_

### Side

Left       Right

### Product name

- Hypex® Lite Knee Brace
- Jack PCL Brace
- CDS® Knee Brace
- CDS® Lock Knee Brace
- CDS® Knee Brace Amputation
- CDS® Ankle Brace
- CDS® Ankle Brace Neuro
- CDS® Combination Brace Knee-Ankle
- CDS® lock Combination Brace Knee-Ankle
- other: \_\_\_\_\_

### Direction of spring force (for CDS®)

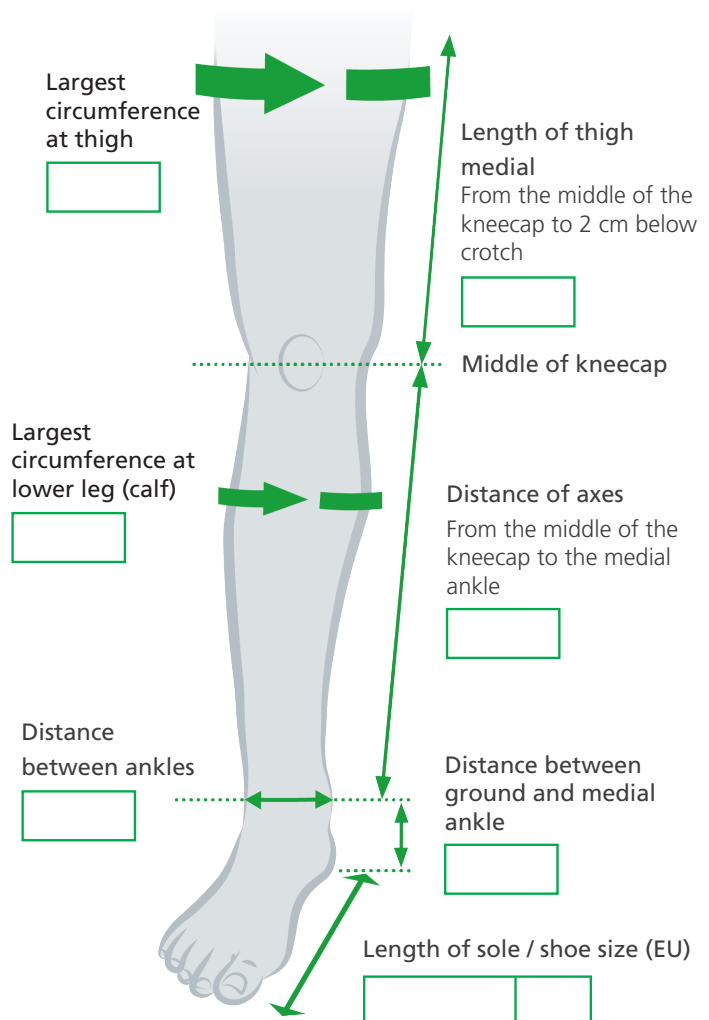
**Knee**       Extension       Flexion

**Ankle**       Dorsal extension       Plantar flexion

### For children

#### Colour

- Green
- Blue
- Orange
- Pink



	* Distance of axes
CDS® Combinationbrace Knee-Ankle JUNIOR (Dynamic orthoses)	12 - 38 cm
CDS® lock Combinationbrace Knee-Ankle JUNIOR	12 - 31 cm
CDS® Combinationbrace Knee-Ankle (Dynamic orthoses)	29 - 51 cm
CDS® lock Combinationbrace Knee-Ankle	29 - 51 cm

### Technical implementation (to be filled in by albrecht)

- Size modification
- Modular adaptation

Art.-No.: \_\_\_\_\_

Approval: \_\_\_\_\_

# Dimension sheet upper extremity

For orders please copy and send filled in form to:  
 E-Mail: info@albrechtgmbh.com  
 Fax: 08051-961 29 30

Order       Quotation

Date: \_\_\_\_\_

Medical supply store: \_\_\_\_\_

Customer ID: \_\_\_\_\_

Orthopaedic technician: \_\_\_\_\_

Patient ID: \_\_\_\_\_

## Side

Left       Right

## Product name

- Elbo-track
- CDS® Elbow Brace
- CDS® Elbow Brace DUO
- CDS® Sup-Prosan
- CDS® Wrist Brace
- CDS® Wrist Brace DUO
- CDS® Manusan
- Manusan
- CDS® Combination Brace Elbow-Wrist
- other: \_\_\_\_\_

## Direction of spring force (for CDS®)

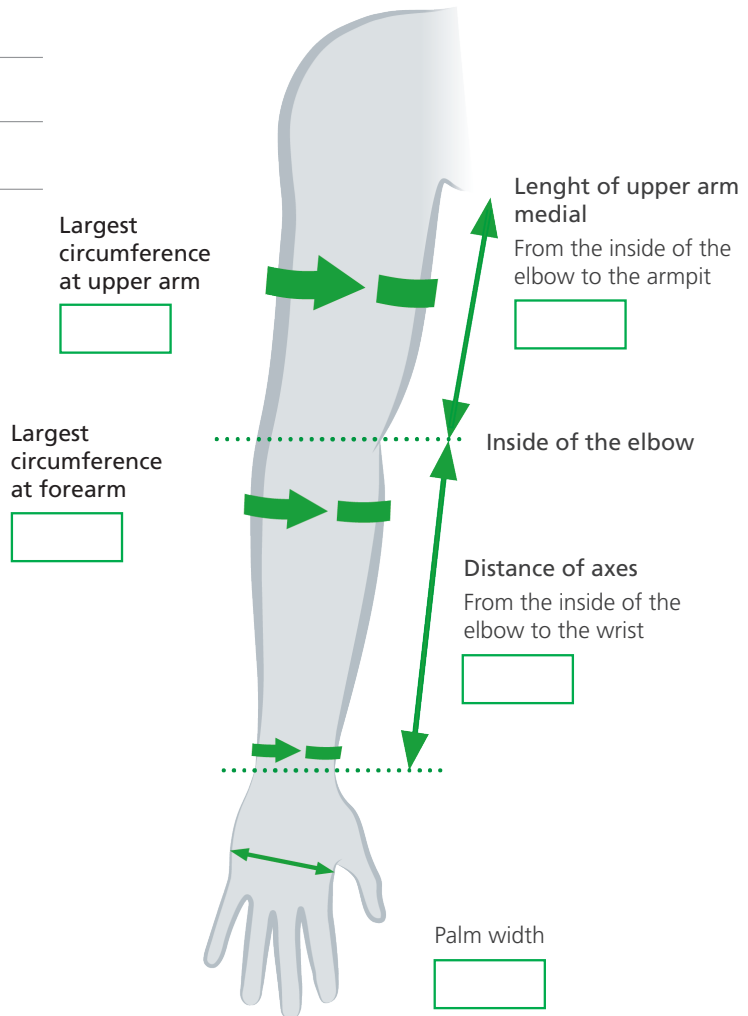
**Elbow**       Extension       Flexion

**Hand**       Extension       Flexion

## For children

### Colour

- |                                 |   |                               |   |
|---------------------------------|---|-------------------------------|---|
| <input type="checkbox"/> Green  |  | <input type="checkbox"/> Blue |  |
| <input type="checkbox"/> Orange |  | <input type="checkbox"/> Pink |  |



## Technical implementation (to be filled in by albrecht)

- Size modification
- Modular adaptation

Art.-No.: \_\_\_\_\_

\_\_\_\_\_

Approval: \_\_\_\_\_

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 E-Mail: info@albrechtgmbh.com  
 Fax: 08051-961 29 30

# Dimension sheet torso

Order       Quotation

Date: \_\_\_\_\_

Medical supply store: \_\_\_\_\_

Customer ID: \_\_\_\_\_

Orthopaedic technician: \_\_\_\_\_

Patient ID: \_\_\_\_\_

## Product name

- MKS® Body belt
- MKS® Body belt plus
- MKS® Vario
- MKS® Lumbago
- MKS® Lumbago plus
- MKS® Lumbago Vario
- MKS® Pontsana®
- MKS® Pontsana® plus
- MKS® Pontsana® mobil
- MKS® Pontsana® stabil
- MKS® Osteo
- MKS® Osteo plus
- MKS® Osteo flex
- MKS® Osteo flex plus
- MKS® Lumbo
- MKS® Lumbo forte
- MKS® Lumbo plus
- MKS® Lumbo forte plus
- MKS® Lumbo mobil
- MKS® Lumbo fenestra
- MKS® Extensa
- MKS® Extensa plus
- MKS® Thorecta
- MKS® Thorecta plus
- MKS® Core Compression Bandage
- other: \_\_\_\_\_

**Abdominal height**  
 Maximum front height of the textile body belt

**Front height**  
 Measured from the upper edge of the pubic bone to the sternum (3-4 below the collarbone)

**Body circumference**  
 Measured at the middle of the torso (just above the navel)

**Back height reclination**  
 Measured from the sacrum (beginning of gluteal fold) to circa 2-3 cm below cervical vertebra C7

**Back height**  
 Measured from the sacrum to circa 2-3 cm below the tips of the shoulder blades



### Technical implementation (to be filled in by albrecht)

- Size modification
- Modular adaptation

Art.-No.: \_\_\_\_\_

\_\_\_\_\_

Approval: \_\_\_\_\_

Technical information

# Our portfolio

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

## **albrecht NEURO**

To highlight our commitment to neuro-orthopaedics, we have grouped selected products together in the albrecht NEURO series. As part of the albrecht NEURO series, we offer a wide range of innovative products that have proven themselves in neurological applications. The albrecht NEURO catalogue provides you with a clear overview of our product portfolio.

## **albrecht JUNIOR**

In order to provide high-quality care even in small sizes, we offer a wide range of products for paediatrics. The albrecht JUNIOR series includes orthoses for functional rehabilitation and dynamic redress, as well as back products. To make the care child-friendly, the JUNIOR series is available in four colours with animal patterns

## Request our catalogues

We would be happy to advise you by telephone and send you our other catalogues:

### **albrecht GmbH**

T +49 8051 96129-0

F +49 8051 96129-30

info@albrechtgmbh.com