

albrecht GmbH

For a dynamic life



Irene Albrecht

Quality Assurance

Beate Albrecht

Managing Director

Sabine Albrecht

Market and Technology

In close collaboration with experienced doctors, technicians and therapists, we develop and produce innovative orthopaedic devices that support patients during all stages of rehabilitation and improve quality of life.

With the involvement of the second generation in management, our family business will continue to focus on innovation in the future.

Green is the colour of growth and awakening, vitality and energy. Green is the colour of hope. Green is the colour of nature. As such green is often overlooked and taken for granted. Just like we take our health for granted until it is at risk. We believe it is our duty to provide support in all stages of rehabilitation. Our products encourage the growth of healthy structures for a dynamic life.



albrecht CDS® program

Contents

albrecht GmbH	1
Study	4
The starting point	5
CDS® – Controlled-Dynamic-Stretch	6
Case studies	8
Dynamic splints	
CDS® Knee Brace	
CDS® Knee Brace Extension	12
CDS® Knee Brace Extension – Junior	14
CDS® Knee Brace Extension – Bambini, Malinki	16
CDS® Knee Brace Flexion	18
CDS® Knee Brace Flexion – Junior	20
CDS® Knee Brace Flexion – Bambini, Malinki	22
CDS® Ankle Brace	
CDS® Ankle Brace	24
CDS® Ankle Brace – Junior	26
CDS® Ankle Brace Neuro	28
CDS® Ankle Brace to go	30
CDS® Elbow Brace	
CDS® Elbow Brace Extension	32
CDS® Elbow Brace Extension – Junior	34
CDS® Elbow Brace Extension – Bambini	36
CDS® Elbow Brace Flexion	38
CDS® Elbow Brace Flexion – Junior	40
CDS® Elbow Brace Flexion – Bambini	42
CDS® Elbow Brace Duo	44
CDS® Wrist Brace	
CDS® Wrist Brace Extension	46
CDS® Wrist Brace Extension – Junior	48
CDS® Wrist Brace Flexion	50
CDS® Wrist Brace Flexion – Junior	52
CDS® Wrist Brace Duo	54
CDS® Mansuan Finger and Wrist Brace	56
Manusan Finger Brace	57

CDS® Combination Braces	58
CDS® Combination Brace Coniungi	59
Immobilizer (foot)	60
Immobilizer (elbow)	61
MKS® Body Belt	62
MKS® Body Belt – Junior, Bambini	63
MKS® Body Belt plus	64
MKS® Body Belt plus – Junior, Bambini	65
MKS® Osteo flex	66
MKS® Osteo flex – reduced Height	68
Core Compressions Bandage	70
Cushions	71
System hinges	72
How to measure correctly	74
Our entire portfolio	76



CharitéCentrum für Frauen-, Kinder und Jugendmedizin mit Perinatalzentrum und Humangenetik

Benefits of dynamic joint orthoses for regression of joint contractures in children and adolescents

Katrin Drossel, MD, ¹ Lieske van der Stam, ¹ Ana Pekanovic, PhD, ² Caroline Schmidt-Lucke, MD, PhD,² Angela Kaindl, MD ^{1,3,4}

¹ Charité – Universitätsmedizin Berlin, Center for Chronically Sick Children, Berlin, Germany

² MEDIACC, Medico-academic Consultings, Berlin, Germany

³ Charité – Universitätsmedizin Berlin, Department of Pediatric Neurology, Berlin, Germany

⁴ Charité – Universitätsmedizin Berlin, Institute of Cell Biology and Neurobiology, Berlin, Germany

Introduction

Contractures are a common complication in neurological conditions such as cerebral palsy, resulting in a limited range of motion (ROM). Stretching plays an important role in treatment of the affected joints. Controlled dynamic stretching (CDS) orthotic joints represent promising new devices to enhance existing therapy, but there are no data on this therapeutic option in children and adolescents.

Objectives

To analyze whether CDS orthotics reduce or prevent contractures of various joints in children and adolescents with the primary endpoint of clinically relevant improvement of passive ROM (PROM).

Patients and Methods

In this single-center, observational, intraindividually-controlled study, children and adolescents were recruited in 2018-2019 at the Charité Center for Chronically Sick Children. Patients received CDS orthotics in addition to their regular multidisciplinary treatment. CDS orthotics were used for knee flexion (KF) and extension (KE), elbow extension (EE), wrist dorsal extension (W) and ankle dorsal extension (DE). PROM and clinically relevant changes were assessed with neutral/zero-method and goal attainment scale (GAS) at baseline, after 6 (FU1) and 12 weeks (FU2), and 6 (FU3) and 12 months (FU4). Undesired events were monitored continuously.

Results

We treated 39 affected joints with CDS orthotics (13 KE, 10 W, 7 EE, 4 KF, 5 DE) in a total of 18 children (8 male, median age 9 years (range 5-15) with cerebral palsy, spina bifida or other genetic syndromes. In addition to contractures, most patients had increased muscular tone. Children received 1 to 4 (mean 2) orthotics. At FU2, PROM improved in 5/6 KE by $8 \pm 3^\circ$ ($p < 0.05$) and in 7/7 EE by $7 \pm 6^\circ$ ($p < 0.05$). We detected a trend towards PROM improvement in 4/6 W by $18 \pm 12^\circ$ ($p = 0.05$). Parents and therapists noted alleviation in care, positioning, transfers and increased activity in therapy. CDS were globally well tolerated, and no worsening of contractures was found. Until FU2, outcomes have improved, but not yet reached their pre-specified long-term goals (GAS). Whereas PROM was improved in 97% ($p < 0.05$) of tested joints, active usage of improved ROM as long-term goal still needs to be evaluated at FU4.

Conclusion

This is the first study showing improvements in PROM attributed to CDS orthotics in the majority of joints after a short treatment period with consecutive clinical improvements of individually set goals in children and adolescents with chronic neurological conditions.

The starting point



CDS® – Controlled-Dynamic-Stretch

The physiological contracture treatment

What are contractures?

Dynamic splints are a valuable element in the treatment of joint contractures.

Shortening of the tissue surrounding the joint leads to restrictions of motion that are painful and palpably interfere with the affected patient's ordinary life. The aim of our CDS® treatment concept is therefore to eliminate the motion deficits with continuous, controlled and painless traction, thereby supporting a return to a "life in motion".

"Don't tear it, let it grow"

This physiological contracture treatment achieves rapid success with a high level of compliance. Following an exact diagnosis, the motion deficit is established and the first treatment aim is determined. To achieve permanent plastic stretching of the contracted tissue, treatment times from 30 minutes to several hours are required depending on power.

The spring loading and number of degrees are set according to the findings and patient's sensitivity. At the start of the treatment, the aim should not exceed 5° and this can then be increased in the course of the treatment.

• **Contraindications:**

Bony obstruction, osteoporosis, thrombophlebitis



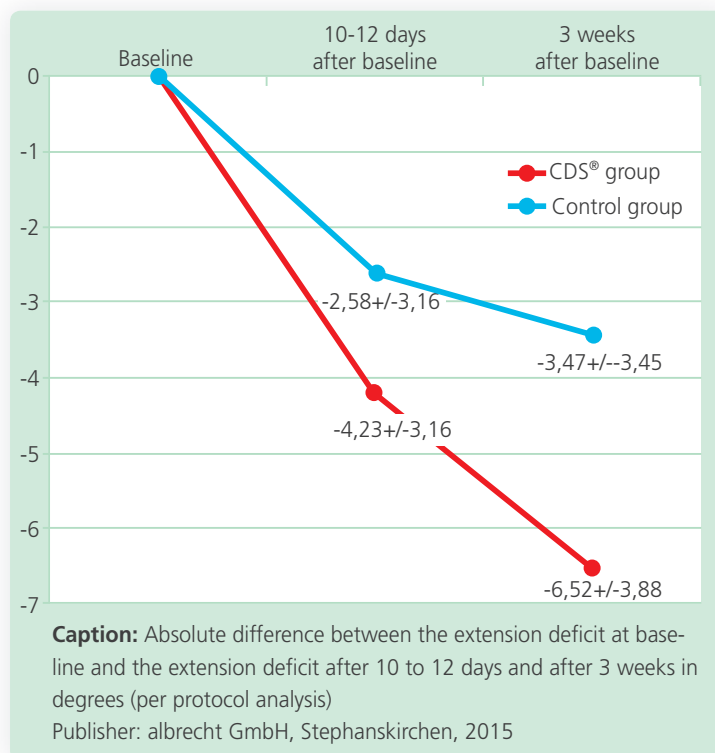
Study on the effect of the CDS® Knie Brace Extension

From 2009 to 2014 a randomized clinical study of the effect of the CDS® Knee Brace Extension was conducted in patients at the Oberstdorf Special Clinic, Deutsche Rentenversicherung [German Pension Insurance] Schwaben under the medical direction of senior physician Dr. Nils Dalaker and head physiotherapist Christian Waibel. Statistical analysis was performed by Prof. Dr. Sven Schneider, University of Heidelberg.

72 patients with an extension deficit took part in the study, divided into two parallel groups. The CDS® group wore the brace for 2.5 hours twice a day over a period of 3 weeks, in addition to the concomitant therapy.

Results: The extension deficit in the CDS® brace group diminished by an average of 7 angular degrees while the extension deficit in the control group was reduced by 3 angular degrees (all figures are rounded). The illustration below shows this graphically.

Reduction of the extension deficit compared with the baseline measurement on the starting day



Subjective satisfaction of the patients: Overall, the majority of the study participants found the padding of the CDS® brace good. Any interference with daily life by the CDS® brace was described as "severe" by only 2 of the 31 subjects.

User-friendly application of the CDS® brace received an even better assessment: All patients assessed the brace as easy to put on.

Case studies



Patient S, 65 years old,

...suffered from an intercerebral bleed and has been dependent on his wheelchair ever since. Progressing spasticity of his hands limits his ability to navigate his wheelchair. Physical therapy and immobilising splints were unable to stop the progress of the contracture.

Therapy with the **CDS® hand wrist** stops the progress of the contracture while also enabling further independent navigation of the wheelchair and thus mobility.





Patient N, 40,

... was diagnosed with early childhood brain damage caused by a lack of oxygen at birth. He is wheelchair bound and suffers from severe spastic contractures.

He has been fitted for **CDS® elbow braces** on both arms and **CDS® knee braces** on both legs. Within three months of treatment the ROM on his knee joint has increased from 30° to 58° in comparison to the static brace used before.



30° static brace



58° CDS® brace

Case studies



Emre, 12,

... was diagnosed with Duchenne muscular dystrophy. In collaboration with his medical practitioners and therapists Emre was fitted for an albrecht **MKS® Osteo flex**. The orthosis helps to stabilise the torso and facilitates mobility.

L., 4

Elbow Contracture





R., 8

... the ten-year-old sustained severe injuries to both legs during war. His left leg could be saved but strong contractures significantly limited his mobility. Through the work of a multi-disciplinary team of doctors, therapy with an albrecht **CDS® knee brace Extension** was made possible. Following therapy the injured leg is fully functional and first steps towards mobility are now possible.

A., 12

Dyskinetic Cerebral Palsy



CDS® Knee Brace Extension

Dynamic spring-loaded knee orthosis

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

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
 - After burns
 - After strokes
 - After spinal cord injuries
 - Paralysis (discrete palsy of peripheral origin)
 - After cranio-cerebral trauma (CCT)
- To prevent new contractures after arthrolysis
- Rupture of a muscle fibre of quadriceps femoris
- Patella tendon rupture
- Extension deficit from weakness of quadriceps
- Conservative and postoperative indications, where active extension of the knee is contraindicated

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
- Adjustable shell- and strapsystem
- High wearing comfort thanks to air-permeable, light aluminium shell element
- **CDS® Knee Brace Extension L/L, L/M, M/L, S/S:** Infinitely variable adjustment of the redression range between -15° and +30°.
- **CDS® Knee Brace Extension XS/XS, XXS:** Adjustment of the redression range in 10° steps

Mode of Operation

The CDS® Knee Brace Extension functions according to 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 adjustable redression range protects the tissue from painful overstretching and allows for individual extension until -15°.


Size chart and article numbers

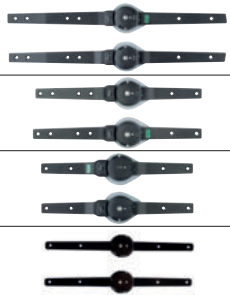
Name	Length of thigh shell	Length of lower leg shell	Circumference of thigh	Circumference of lower leg	Art.-No. left	Art.-No. right
Knee Extension L/L	23 - 25,5 cm	26,5 - 29 cm	36 - 66 cm	32 - 47 cm	901LL-L	901LL-R
Knee Extension L/M	23 - 25,5 cm	26,5 - 29 cm	33-43 cm	24 - 35 cm	901LM-L	901LM-R
Knee Extension M/L	18,5 - 21 cm	20,5 - 23,5 cm	36 - 66 cm	32 - 47 cm	901ML-L	901ML-R
Knee Extension S/S	17,5 - 20 cm	21,5 - 25 cm	30 - 40 cm	22 - 32 cm	901SS-L	901SS-R
Knee Extension XS/XS	14 - 16 cm	15 - 18 cm	21 - 30 cm	20 - 30 cm	901XSXS-L	901XSXS-R
Knee Extension XXS	14 - 16 cm	15 - 18 cm	18 - 22 cm	17 - 20 cm	901XXS-L	901XXS-R




Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

 Modules for individual assembly

Art.- No.	Thigh Shell Sets		Left	Right
820LL-L	Thigh Shell Set L/L		•	
820LL-R	Length: 23 - 25,5 cm Circumference: 36 - 66 cm			•
820LM-L	Thigh Shell Set L/M		•	
820LM-R	Length: 23 - 25,5 cm Circumference: 33 - 43 cm			•
820ML-L	Thigh Shell Set M/L		•	
820ML-R	Length: 18,5 - 21 cm Circumference: 36 - 66 cm			•
820SS-L	Thigh Shell Set S/S		•	
820SS-R	Length: 17,5 - 20 cm Circumference: 30 - 40 cm			•
820XSXS-L	Thigh Shell Set XS/XS		•	
820XSXS-R	Length: 14 - 16 cm Circumference: 21 - 30 cm			•
820XXS-L	Thigh Shell Set XXS	•		
820XXS-R	Length: 14 - 16 cm Circumference: 18 - 22 cm		•	

Art.-No.	Application	Hinge Sets		Left	Right
870-100-L	L/L, L/M	Hinge Set CDS® Extension Knee L		•	
870-100-R					•
870-110-L	M/L	Hinge Set CDS® Extension Knee M		•	
870-110-R					•
870-120-L	S/S	Hinge Set CDS® Extension Knee S		•	
870-120-R					•
870-125-L	XS/XS, XXS	Hinge Set CDS® Extension Knee XS		•	
870-125-R					•

Art.-No.	Lower Leg Shell Sets		Left	Right
821LL	Lower Leg Shell Set L/L		•	•
821LM-L	Lower Leg Shell Set L/M		•	
821LM-R	Length: 26,5 - 29 cm Circumference: 24 - 35 cm			•
821ML	Lower Leg Shell Set M/L		•	•
821SS-L	Lower Leg Shell Set S/S		•	
821SS-R	Length: 21,5 - 25 cm Circumference: 22 - 32 cm			•
821XSXS-L	Lower Leg Shell Set XS/XS		•	
821XSXS-R	Length: 15 - 18 cm Circumference: 22 - 30 cm			•
821XXS-L	Lower Leg Shell Set XXS		•	
821XXS-R	Length: 15 - 18 cm Circumference: 17 - 20 cm			•

Junior

CDS® Knee Brace Extension

Dynamic spring-loaded knee orthosis

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

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
 - After burns
 - After strokes
 - After spinal cord injuries
 - Paralysis (discrete palsy of peripheral origin)
 - After cranio-cerebral trauma (CCT)
- To prevent new contractures after arthrolisis
- Rupture of a muscle fibre of quadriceps femoris
- Patella tendon rupture
- Extension deficit from weakness of quadriceps
- Conservative and postoperative indications, where active extension of the knee is contraindicated

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
- Infinitely variable adjustment of the redression range between -15° and +30°.
- Adjustable shell- and strapsystem
- High wearing comfort thanks to air-permeable, light aluminium shell element

Mode of Operation

The CDS® Knee Brace Extension functions according to 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 adjustable redression range protects the tissue from painful overstretching and allows for individual extension until -15°.

Size chart and article numbers

Name	Length of thigh shell	Length of lower leg shell	Circumference of thigh	Circumference of lower leg	Art.-No. left	Art.-No. right
Knee Extension Junior Green	17,5 - 20 cm	21,5 - 25 cm	30 - 40 cm	22 - 32 cm	901SS-GL	901SS-GR
Knee Extension Junior Blue	17,5 - 20 cm	21,5 - 25 cm	30 - 40 cm	22 - 32 cm	901SS-BL	901SS-BR
Knee Extension Junior Orange	17,5 - 20 cm	21,5 - 25 cm	30 - 40 cm	22 - 32 cm	901SS-OL	901SS-OR
Knee Extension Junior Pink	17,5 - 20 cm	21,5 - 25 cm	30 - 40 cm	22 - 32 cm	901SS-PL	901SS-PR



Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

 Modules for individual assembly

Art.- No.	Thigh Shell Sets		Left	Right
820SS-GL	Thigh Shell Set Junior Green Length: 17,5 - 20 cm Circumference: 30 - 40 cm		•	
820SS-GR				•
820SS-BL	Thigh Shell Set Junior Blue Length: 17,5 - 20 cm Circumference: 30 - 40 cm		•	
820SS-BR				•
820SS-OL	Thigh Shell Set Junior Orange Length: 17,5 - 20 cm Circumference: 30 - 40 cm		•	
820SS-OR				•
820SS-PL	Thigh Shell Set Junior Pink Length: 17,5 - 20 cm Circumference: 30 - 40 cm		•	
820SS-PR				•

Art.-No.	Hinge Set		Left	Right
870-120-L	Hinge Set CDS® Extension Knee S		•	
870-120-R				•

Art.-No.	Lower Leg Shell Sets		Left	Right
821SS-GL	Lower Leg Shell Set Junior Green Length: 21,5 - 25 cm Circumference: 22 - 32 cm		•	
821SS-GR				•
821SS-BL	Lower Leg Shell Set Junior Blue Length: 21,5 - 25 cm Circumference: 22 - 32 cm		•	
821SS-BR				•
821SS-OL	Lower Leg Shell Set Junior Orange Length: 21,5 - 25 cm Circumference: 22 - 32 cm		•	
821SS-OR				•
821SS-PL	Lower Leg Shell Set Junior Pink Length: 21,5 - 25 cm Circumference: 22 - 32 cm		•	
821SS-PR				•

CDS® Knee Brace Extension

Dynamic spring-loaded knee orthosis

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

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
 - After burns
 - After strokes
 - After spinal cord injuries
 - Paralysis (discrete palsy of peripheral origin)
 - After cranio-cerebral trauma (CCT)
- To prevent new contractures after arthrolisis
- Rupture of a muscle fibre of quadriceps femoris
- Patella tendon rupture
- Extension deficit from weakness of quadriceps
- Conservative and postoperative indications, where active extension of the knee is contraindicated

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
- Adjustable shell- and strapsystem
- High wearing comfort thanks to air-permeable, light aluminium shell element
- **CDS® Knee Brace Extension Bambini, Malinki:** Adjustment of the redression range in 10° steps



Mode of Operation



The CDS® Knee Brace Extension functions according to 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 adjustable redression range protects the tissue from painful overstretching and allows for individual extension until -15°.

Size chart and article numbers

Name	Length of thigh shell	Length of lower leg shell	Circumference of thigh	Circumference of lower leg	Art.-No. left	Art.-No. right
Knee Extension Bambini Green	14 - 16 cm	15 - 18 cm	21 - 30 cm	20 - 30 cm	901XSXS-GL	901XSXS-GR
Knee Extension Bambini Blue	14 - 16 cm	15 - 18 cm	21 - 30 cm	20 - 30 cm	901XSXS-BL	901XSXS-BR
Knee Extension Bambini Orange	14 - 16 cm	15 - 18 cm	21 - 30 cm	20 - 30 cm	901XSXS-OL	901XSXS-OR
Knee Extension Bambini Pink	14 - 16 cm	15 - 18 cm	21 - 30 cm	20 - 30 cm	901XSXS-PL	901XSXS-PR
Knee Extension Malinki Green	14 - 16 cm	15 - 18 cm	18 - 22 cm	17 - 20 cm	901XXS-GL	901XXS-GR
Knee Extension Malinki Blue	14 - 16 cm	15 - 18 cm	18 - 22 cm	17 - 20 cm	901XXS-BL	901XXS-BR
Knee Extension Malinki Orange	14 - 16 cm	15 - 18 cm	18 - 22 cm	17 - 20 cm	901XXS-OL	901XXS-OR
Knee Extension Malinki Pink	14 - 16 cm	15 - 18 cm	18 - 22 cm	17 - 20 cm	901XXS-PL	901XXS-PR

Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

Modules for individual assembly

Art.- No.	Thigh Shell Sets		Left	Right
820XSXS-GL	Thigh Shell Set Bambini Green		•	
820XSXS-GR	Length: 14 - 16 cm Circumference: 21 - 30 cm			•
820XSXS-BL	Thigh Shell Set Bambini Blue		•	
820XSXS-BR	Length: 14 - 16 cm Circumference: 21 - 30 cm			•
820XSXS-OL	Thigh Shell Set Bambini Orange		•	
820XSXS-OR	Length: 14 - 16 cm Circumference: 21 - 30 cm			•
820XSXS-PL	Thigh Shell Set Bambini Pink		•	
820XSXS-PR	Length: 14 - 16 cm Circumference: 21 - 30 cm			•
820XXS-GL	Thigh Shell Set Malinki Green		•	
820XXS-GR	Length: 14 - 16 cm Circumference: 18 - 22 cm			•
820XXS-BL	Thigh Shell Set Malinki Blue		•	
820XXS-BR	Length: 14 - 16 cm Circumference: 18 - 22 cm			•
820XXS-OL	Thigh Shell Set Malinki Orange		•	
820XXS-OR	Length: 14 - 16 cm Circumference: 18 - 22 cm			•
820XXS-PL	Thigh Shell Set Malinki Pink		•	
820XXS-PR	Length: 14 - 16 cm Circumference: 18 - 22 cm			•

Art.-No.	Hinge Set		Left	Right
870-125-L	Hinge Set CDS® Extension Knee XS		•	
870-125-R				•

Art.-No.	Lower Leg Shell Sets		Left	Right
821XSXS-GL	Lower Leg Shell Set Bambini Green		•	
821XSXS-GR	Length: 15 - 18 cm Circumference: 20 - 30 cm			•
821XSXS-BL	Lower Leg Shell Set Bambini Blue		•	
821XSXS-BR	Length: 15 - 18 cm Circumference: 20 - 30 cm			•
821XSXS-OL	Lower Leg Shell Set Bambini Orange		•	
821XSXS-OR	Length: 15 - 18 cm Circumference: 20 - 30 cm			•
821XSXS-PL	Lower Leg Shell Set Bambini Pink		•	
821XSXS-PR	Length: 15 - 18 cm Circumference: 20 - 30 cm			•
821XXS-GL	Lower Leg Shell Set Malinki Green		•	
821XXS-GR	Length: 15 - 18 cm Circumference: 17 - 20 cm			•
821XXS-BL	Lower Leg Shell Set Malinki Blue		•	
821XXS-BR	Length: 15 - 18 cm Circumference: 17 - 20 cm			•
821XXS-OL	Lower Leg Shell Set Malinki Orange		•	
821XXS-OR	Length: 15 - 18 cm Circumference: 17 - 20 cm			•
821XXS-PL	Lower Leg Shell Set Malinki Pink		•	
821XXS-PR	Length: 15 - 18 cm Circumference: 17 - 20 cm			•

CDS® Knee Brace Flexion

Dynamic spring-loaded knee orthosis

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

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
 - After burns
- After strokes
- After spinal cord injuries
- Paralysis (discrete palsy of peripheral origin)
- After cranio-cerebral trauma (CCT)
- To prevent new contractures after arthrolysis
- Conservative and postoperative indications, where active flexion of the knee is contraindicated

Features

- Therapy in flexion
- Individual adjustment of the spring tension
- Spring tension can be switched on and off without tools and without varying the set spring tension
- Adjustable shell- and strapsystem
- High wearing comfort thanks to air-permeable, light aluminium shell elements
- High flexibility thanks to adjustable shell elements
- **CDS® Knee Brace Flexion L/L, L/M, M/L, S/S:** Infinitely variable adjustment of the redression range in Flexion
- **CDS® Knee Brace Flexion XS/XS, XXS,:** Adjustment of the redression range in 10° steps

Mode of Operation

The CDS® Knee Brace Flexion functions according to the CDS®-principle and has been designed to treat a flexion deficit of the knee. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The adjustable redression range protects the tissue from painful overstretching.


Size chart and article numbers





Name	Length of thigh shell	Length of lower leg shell	Circumference of thigh	Circumference of lower leg	Art.-No. left	Art.-No. right
Knee Flexion L/L	23 - 25,5 cm	26,5 - 29 cm	36 - 66 cm	32 - 47 cm	904LL-L	904LL-R
Knee Flexion L/M	23 - 25,5 cm	26,5 - 29 cm	33-43 cm	24 - 35 cm	904LM-L	904LM-R
Knee Flexion M/L	18,5 - 21 cm	20,5 - 23,5 cm	36 - 66 cm	32 - 47 cm	904ML-L	904ML-R
Knee Flexion S/S	17,5 - 20 cm	21,5 - 25 cm	30 - 40 cm	22 - 32 cm	904SS-L	904SS-R
Knee Flexion XS/XS	14 - 16 cm	15 - 18 cm	21 - 30 cm	20 - 30 cm	904XSXS-L	904XSXS-R
Knee Flexion XXS	14 - 16 cm	15 - 18 cm	18 - 22 cm	17 - 20 cm	904XXS-L	904XXS-R



Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

Modules for the modular assembly

Art.- No.	Thigh Shell Sets		Left	Right
820LL-L	Thigh Shell Set L/L		•	
820LL-R	Length: 23 - 25,5 cm Circumference: 36 - 66 cm			•
820LM-L	Thigh Shell Set L/M		•	
820LM-R	Length: 23 - 25,5 cm Circumference: 33 - 43 cm			•
820ML-L	Thigh Shell Set M/L		•	
820ML-R	Length: 18,5 - 21 cm Circumference: 36 - 66 cm			•
820SS-L	Thigh Shell Set S/S		•	
820SS-R	Length: 17,5 - 20 cm Circumference: 30 - 40 cm			•
820XSXS-L	Thigh Shell Set XS/XS		•	
820XSXS-R	Length: 14 - 16 cm Circumference: 21 - 30 cm			•
820XXS-L	Thigh Shell Set XXS	•		
820XXS-R	Length: 14 - 16 cm Circumference: 18 - 22 cm		•	

Art.-No.	Application	Hinge Sets		Left	Right
870-130-L	L/L, L/M	Hinge Set CDS® Knee Flexion L		•	
870-130-R					•
870-140-L	M/L	Hinge Set CDS® Knee Flexion M		•	
870-140-R					•
870-150-L	S/S, XS/XS	Hinge Set CDS® Knee Flexion S		•	
870-150-R					•
870-155-L	XS/XS, XXS	Hinge Set CDS® Knee Flexion XS		•	
870-155-R					•

Art.-No.	Lower Leg Shell Sets		Left	Right
821LL	Lower Leg Shell Set L/L		•	•
821LM-L	Lower Leg Shell Set L/M		•	
821LM-R	Length: 26,5 - 29 cm Circumference: 24 - 35 cm			•
821ML	Lower Leg Shell Set M/L		•	•
821SS-L	Lower Leg Shell Set S/S		•	
821SS-R	Length: 21,5 - 25 cm Circumference: 22 - 32 cm			•
821XSXS-L	Lower Leg Shell Set XS/XS		•	
821XSXS-R	Length: 15 - 18 cm Circumference: 22 - 30 cm			•
821XXS-L	Lower Leg Shell Set XXS		•	
821XXS-R	Length: 15 - 18 cm Circumference: 17 - 20 cm			•

Junior

CDS® Knee Brace Flexion

Dynamic spring-loaded knee orthosis

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

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
 - After burns
 - After strokes
 - After spinal cord injuries
- Paralysis (discrete palsy of peripheral origin)
- After cranio-cerebral trauma (CCT)
- To prevent new contractures after arthrolysis
- Conservative and postoperative indications, where active flexion of the knee is contraindicated

Features

- Therapy in flexion
- Individual adjustment of the spring tension
- Spring tension can be switched on and off without tools and without varying the set spring tension
- Infinitely variable adjustment of the redression range in Flexion
- Adjustable shell- and strapsystem
- High wearing comfort thanks to air-permeable, light aluminium shell elements
- High flexibility thanks to adjustable shell elements

Mode of Operation

The CDS® Knee Brace Flexion functions according to the CDS®-principle and has been designed to treat a flexion deficit of the knee. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The adjustable redression range protects the tissue from painful overstretching.

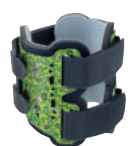
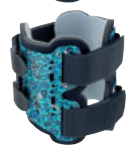







Size chart and article numbers

Name	Length of thigh shell	Length of lower leg shell	Circumference of thigh	Circumference of lower leg	Art.-No. left	Art.-No. right
Knee Flexion Junior Green	17,5 - 20 cm	21,5 - 25 cm	30 - 40 cm	22 - 32 cm	904SS-GL	904SS-GR
Knee Flexion Junior Blue	17,5 - 20 cm	21,5 - 25 cm	30 - 40 cm	22 - 32 cm	904SS-BL	904SS-BR
Knee Flexion Junior Orange	17,5 - 20 cm	21,5 - 25 cm	30 - 40 cm	22 - 32 cm	904SS-OL	904SS-OR
Knee Flexion Junior Pink	17,5 - 20 cm	21,5 - 25 cm	30 - 40 cm	22 - 32 cm	904SS-PL	904SS-PR



Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

 Modules for the modular assembly

Art.- No.	Thigh Shell Sets		Left	Right
820SS-GL	Thigh Shell Set Junior Green Length: 17,5 - 20 cm Circumference: 30 - 40 cm		•	
820SS-GR				•
820SS-BL	Thigh Shell Set Junior Blue Length: 17,5 - 20 cm Circumference: 30 - 40 cm		•	
820SS-BR				•
820SS-OL	Thigh Shell Set Junior Orange Length: 17,5 - 20 cm Circumference: 30 - 40 cm		•	
820SS-OR				•
820SS-PL	Thigh Shell Set Junior Pink Length: 17,5 - 20 cm Circumference: 30 - 40 cm		•	
820SS-PR				•
Art.- No.	Hinge Sets		Left	Right
870-150-L	Hinge Set CDS® Knee Flexion S		•	
870-150-R				•
Art.-No.	Lower Leg Shell Sets		Left	Right
821SS-GL	Lower Leg Shell Set Junior Green Length: 21,5 - 25 cm Circumference: 22 - 32 cm		•	
821SS-GR				•
821SS-BL	Lower Leg Shell Set Junior Blue Length: 21,5 - 25 cm Circumference: 22 - 32 cm		•	
821SS-BR				•
821SS-OL	Lower Leg Shell Set Junior Orange Length: 21,5 - 25 cm Circumference: 22 - 32 cm		•	
821SS-OR				•
821SS-PL	Lower Leg Shell Set Junior Pink Length: 21,5 - 25 cm Circumference: 22 - 32 cm		•	
821SS-PR				•

CDS® Knee Brace Flexion

Dynamic spring-loaded knee orthosis

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

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
 - After burns
 - After strokes
- After spinal cord injuries
- Paralysis (discrete palsy of peripheral origin)
- After cranio-cerebral trauma (CCT)
- To prevent new contractures after arthrolysis
- Conservative and postoperative indications, where active flexion of the knee is contraindicated

Features

- Therapy in flexion
- Individual adjustment of the spring tension
- Spring tension can be switched on and off without tools and without varying the set spring tension
- Adjustable shell- and strapsystem
- High wearing comfort thanks to air-permeable, light aluminium shell elements
- High flexibility thanks to adjustable shell elements
- **CDS® Knee Brace Flexion Bambini, Malinki:** Adjustment of the redression range in 10° steps

Mode of Operation

The CDS® Knee Brace Flexion functions according to the CDS®-principle and has been designed to treat a flexion deficit of the knee. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The adjustable redression range protects the tissue from painful overstretching.

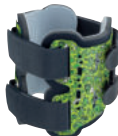
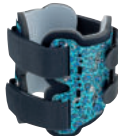













Size chart and article numbers

Name	Length of thigh shell	Length of lower leg shell	Circumference of thigh	Circumference of lower leg	Art.-No. left	Art.-No. right
Knee Flexion Bambini Green	14 - 16 cm	15 - 18 cm	21 - 30 cm	20 - 30 cm	904XSXS-GL	904XSXS-GR
Knee Flexion Bambini Blue	14 - 16 cm	15 - 18 cm	21 - 30 cm	20 - 30 cm	904XSXS-BL	904XSXS-BR
Knee Flexion Bambini Orange	14 - 16 cm	15 - 18 cm	21 - 30 cm	20 - 30 cm	904XSXS-OL	904XSXS-OR
Knee Flexion Bambini Pink	14 - 16 cm	15 - 18 cm	21 - 30 cm	20 - 30 cm	904XSXS-PL	904XSXS-PR
Knee Flexion Maliniki Green	14 - 16 cm	15 - 18 cm	18 - 22 cm	17 - 20 cm	904XXS-GL	904XXS-GR
Knee Flexion Maliniki Blue	14 - 16 cm	15 - 18 cm	18 - 22 cm	17 - 20 cm	904XXS-BL	904XXS-BR
Knee Flexion Maliniki Orange	14 - 16 cm	15 - 18 cm	18 - 22 cm	17 - 20 cm	904XXS-OL	904XXS-OR
Knee Flexion Maliniki Pink	14 - 16 cm	15 - 18 cm	18 - 22 cm	17 - 20 cm	904XXS-PL	904XXS-PR



Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

Modules for the modular assembly

Art.- No.	Thigh Shell Sets		Left	Right
820XSXS-GL	Thigh Shell Set Bambini Green		•	
820XSXS-GR	Length: 14 - 16 cm Circumference: 21 - 30 cm			•
820XSXS-BL	Thigh Shell Set Bambini Blue		•	
820XSXS-BR	Length: 14 - 16 cm Circumference: 21 - 30 cm			•
820XSXS-OL	Thigh Shell Set Bambini Orange		•	
820XSXS-OR	Length: 14 - 16 cm Circumference: 21 - 30 cm			•
820XSXS-PL	Thigh Shell Set Bambini Pink		•	
820XSXS-PR	Length: 14 - 16 cm Circumference: 21 - 30 cm			•
820XXS-GL	Thigh Shell Set Malinki Green		•	
820XXS-GR	Length: 14 - 16 cm Circumference: 18 - 22 cm			•
820XXS-BL	Thigh Shell Set Malinki Blue		•	
820XXS-BR	Length: 14 - 16 cm Circumference: 18 - 22 cm			•
820XXS-OL	Thigh Shell Set Malinki Orange		•	
820XXS-OR	Length: 14 - 16 cm Circumference: 18 - 22 cm			•
820XXS-PL	Thigh Shell Set Malinki Pink		•	
820XXS-PR	Length: 14 - 16 cm Circumference: 18 - 22 cm			•
Art.- No.	Hinge Sets		Left	Right
870-155-L	Hinge Set CDS® Knee Flexion XS		•	
870-155-R				•
Art.-No.	Lower Leg Shell Sets		Left	Right
821XSXS-GL	Lower Leg Shell Set Bambini Green		•	
821XSXS-GR	Length: 15 - 18 cm Circumference: 20 - 30 cm			•
821XSXS-BL	Lower Leg Shell Set Bambini Blue		•	
821XSXS-BR	Length: 15 - 18 cm Circumference: 20 - 30 cm			•
821XSXS-OL	Lower Leg Shell Set Bambini Orange		•	
821XSXS-OR	Length: 15 - 18 cm Circumference: 20 - 30 cm			•
821XSXS-PL	Lower Leg Shell Set Bambini Pink		•	
821XSXS-PR	Length: 15 - 18 cm Circumference: 20 - 30 cm			•
821XXS-GL	Lower Leg Shell Set Malinki Green		•	
821XXS-GR	Length: 15 - 18 cm Circumference: 17 - 20 cm			•
821XXS-BL	Lower Leg Shell Set Malinki Blue		•	
821XXS-BR	Length: 15 - 18 cm Circumference: 17 - 20 cm			•
821XXS-OL	Lower Leg Shell Set Malinki Orange		•	
821XXS-OR	Length: 15 - 18 cm Circumference: 17 - 20 cm			•
821XXS-PL	Lower Leg Shell Set Malinki Pink		•	
821XXS-PR	Length: 15 - 18 cm Circumference: 17 - 20 cm			•

CDS® Ankle Brace

Dynamic spring-loaded ankle orthosis

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

Indication

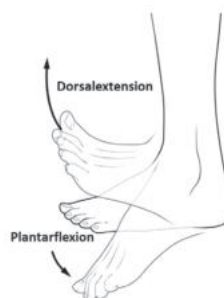
- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
- After burns
- After strokes
- After spinal cord injuries
- Paralysis (discrete palsy of peripheral origin)
- After cranio-cerebral trauma (CCT)
- To prevent new contractures after arthrolysis

Features

- Therapy in dorsal extension
- Small hinge with established features:
 - Individual adjustment of the spring tension
 - Spring tension can be switched on and off without tools and without varying the set spring tension
 - Infinitely variable adjustment of the redression range in dorsal extension
- Adjustable shell- and strapsystem:
 - High wearing comfort thanks to air-permeable, light aluminium shell elements
 - High flexibility thanks to adjustable shell elements

Mode of Operation


The CDS® Ankle Brace functions according to 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 adjustable redression range protects the tissue from painful overstretching.









Size chart and article numbers

Name	Length of lower leg shell	Circumference of calf	EU- shoe size	Sole Length	Art.-No. left	Art.-No. right
Ankle L/L	36 - 38,5 cm	32 - 47 cm	44 - 47	30 cm	920LL-L	920LL-R
Ankle L/M	36 - 38,5 cm	32 - 47 cm	40 - 43	27,5 cm	920LM-L	920LM-R
Ankle L/S	36 - 38,5 cm	32 - 47 cm	37 - 39	26 cm	920LS-L	920LS-R
Ankle S/XS	27 - 31 cm	22 - 32 cm	24 - 34	23 cm	920SXS-L	920SXS-R

Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

 Modules for the modular assembly

Art.-No.	Lower Leg Shell Sets Ankle			Left	Right
825L-L	Lower Leg Shell Set Ankle L Length: 36 - 38,5 cm Circumference: 32 - 47 cm			•	
825L-R					•
Art.-No.	Application	Hinge Sets		Left	Right
870-160	L/L, L/M, L/S	Hinge Set CDS® Ankle Extension L		•	•
Art.-No.	Foot Pieces			Left	Right
826L-L	Foot Piece L EU-Shoe Sizes: 44 - 47 Sole Length: 30 cm			•	
826L-R					•
826M-L	Foot Piece M EU-Shoe Sizes: 40 - 43 Sole Length: 27,5 cm			•	
826M-R					•
826S-L	Foot Piece S EU-Shoe Sizes: 37 - 39 Sole Length: 26 cm			•	
826S-R					•

Art.-No.	Lower Leg Shell Sets Ankle			Left	Right
825S-L	Lower Leg Shell Set Ankle S Length: 27 - 31 cm Circumference: 22 - 32 cm			•	
825S-R					•
Art.-No.	Application	Hinge Sets		Left	Right
870-170-L	S/XS	Hinge Set CDS® Ankle Extension S		•	
870-170-R					•
Art.-No.	Foot Pieces			Left	Right
826XS-L	Foot Piece XS EU-Shoe Sizes: 24 - 34 Sole Length: 23 cm*			•	
826XS-R					•

* The foot bedding (insole) has to be made individually by the specialised trade in order to guarantee an optimal bedding of the foot. The special construction of the sole part of the CDS® Ankle Brace facilitates an individual adjustment through the orthopaedic technician.

Junior

CDS® Ankle Brace

Dynamic spring-loaded ankle orthosis

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

Indication

- Joint contractures:
 - Cerebral palsy
 - Genetic syndroms that are causing increased muscle tone in the lower / upper extremities
 - Epelepsy with secondary causes of increased muscle tone
 - After surgery
 - In arthrosis and chronic polyarthritis
- After burns
- After strokes
- After spinal cord injuries
- Paralysis (discrete palsy of peripheral origin)
- After cranio-cerebral trauma (CCT)
- To prevent new contractures after arthrolysis

Features

- Therapy in dorsal extension
- Small hinge with established features:
 - Individual adjustment of the spring tension
 - Spring tension can be switched on and off without tools and without varying the set spring tension
 - Infinitely variable adjustment of the redression range in dorsal extension
- High wearing comfort thanks to air-permeable, light aluminium shell elements
- High flexibility thanks to adjustable shell elements



Mode of Operation

The CDS® Ankle Brace functions according to 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 adjustable redression range protects the tissue from painful overstretching.









Size chart and article numbers

Name	Length of lower leg shell	Circumference of calf	EU- shoe size	Sole Length	Art.-No. left	Art.-No. right
Ankle Junior Green	27 - 31 cm	22 - 32 cm	24 - 34	23 cm*	920SXS-GL	920SXS-GR
Ankle Junior Blue	27 - 31 cm	22 - 32 cm	24 - 34	23 cm*	920SXS-BL	920SXS-BR
Ankle Junior Orange	27 - 31 cm	22 - 32 cm	24 - 34	23 cm*	920SXS-OL	920SXS-OR
Ankle Junior Pink	27 - 31 cm	22 - 32 cm	24 - 34	23 cm*	920SXS-PL	920SXS-PR

Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

Modules for the modular assembly

Art.-No.	Lower Leg Shell Sets Ankle		Left	Right
825S-GL	Lower Leg Shell Set Ankle Junior Green Length: 27 - 31 cm Circumference: 22 - 32 cm		•	
825S-GR				•
825S-BL	Lower Leg Shell Set Ankle Junior Blue Length: 27 - 31 cm Circumference: 22 - 32 cm		•	
825S-BR				•
825S-OL	Lower Leg Shell Set Ankle Junior Orange Length: 27 - 31 cm Circumference: 22 - 32 cm		•	
825S-OR				•
825S-PL	Lower Leg Shell Set Ankle Junior Pink Length: 27 - 31 cm Circumference: 22 - 32 cm		•	
825S-PR				•
Art.-No.	Hinge Sets		Left	Right
870-170-L	Hinge Set CDS® Ankle Extension S		•	
870-170-R				•
Art.-No.	Foot Pieces		Left	Right
826XS-SL	Foot Piece Junior EU-Shoe Sizes: 24 - 34 Sole Length: 23 cm*		•	
826XS-SR				•

* The foot bedding (insole) has to be made individually by the specialised trade in order to guarantee an optimal bedding of the child's foot. The special construction of the sole part of the paediatric CDS® Ankle Brace facilitates an individual adjustment through the orthopaedic technician.

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:
 - After strokes
 - After spinal cord injuries
 - Paralysis (discrete palsy of peripheral origin)
 - After cranio-cerebral trauma (CCT)

Features

- Therapy in dorsalextension
- Small hinge with established features:
 - Individual adjustment of the spring tension
 - Spring tension can be switched on and off without tools and without varying the set spring tension
 - Infinitely variable adjustment of the redression range in dorsalflexion
 - Hinge cover
- Safe fixation through vacuum pillow
 - Individuel adjustable foot bedding
 - Adjustable pronation and supination
 - Adjustable rotation
 - Inclusive Vacuum pump
- Adjustable shell- and strap system

Mode of operation

The CDS® Ankle Brace Neuro functions according to 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 adjustable redression range protects the tissue from painful overstretching.





Size chart and article numbers

Name	Length of lower leg shell	Circumference of calf	EU- shoe size	Sole Length	Art.-No. left/right
Ankle Neuro L/L	36 - 38,5 cm	22 - 47 cm	44 - 47	32 cm	922LL
Ankle Neuro L/M	36 - 38,5 cm	22 - 47 cm	37 -43	28,5 cm	922LM



Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

 Modules for the modular assembly

Art.-No.	Shell set lower leg ankle		Left	Right
835	Calf pad siliconized Length: 36 - 38,5 cm Circumference: 22 - 47 cm		•	•
Art.-No.	Hinge set		Left	Right
870-160	Hinge set CDS® Ankle Extension L		•	•
Art.-No.	Foot piece		Left	Right
826LN	Foot piece Neuro LN EU- shoe size: 44 - 47 Sole Length: 32 cm		•	•
826MN	Foot piece Neuro MN EU- shoe size: 37 - 43 Sole Length: 28,5 cm		•	•
580-300-S	Hinge cover		•	•



CDS® Ankle Brace to go

Dynamic spring-loaded ankle orthosis

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

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
- After burns
- After strokes
- After spinal cord injuries
- Paralysis (discrete palsy of peripheral origin)
- After cranio-cerebral trauma (CCT)
- To prevent new contractures after arthrolysis

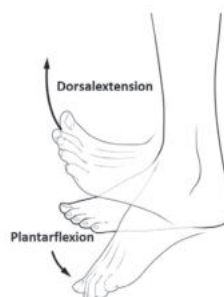
Features

- Therapy in dorsalextension
- Small hinge with established features:
 - Individual adjustment of the spring tension
 - Spring tension can be switched on and off without tools and without varying the set spring tension
 - Infinitely variable adjustment of the redression range in dorsalextension
- Adjustable shell- and strapsystem:
 - High wearing comfort thanks to air-permeable, light aluminium shell elements
 - High flexibility thanks to adjustable shell elements

The brace can be used for walking during the treatment due to the stable stainless steel hinge and walking sole.

Mode of operation

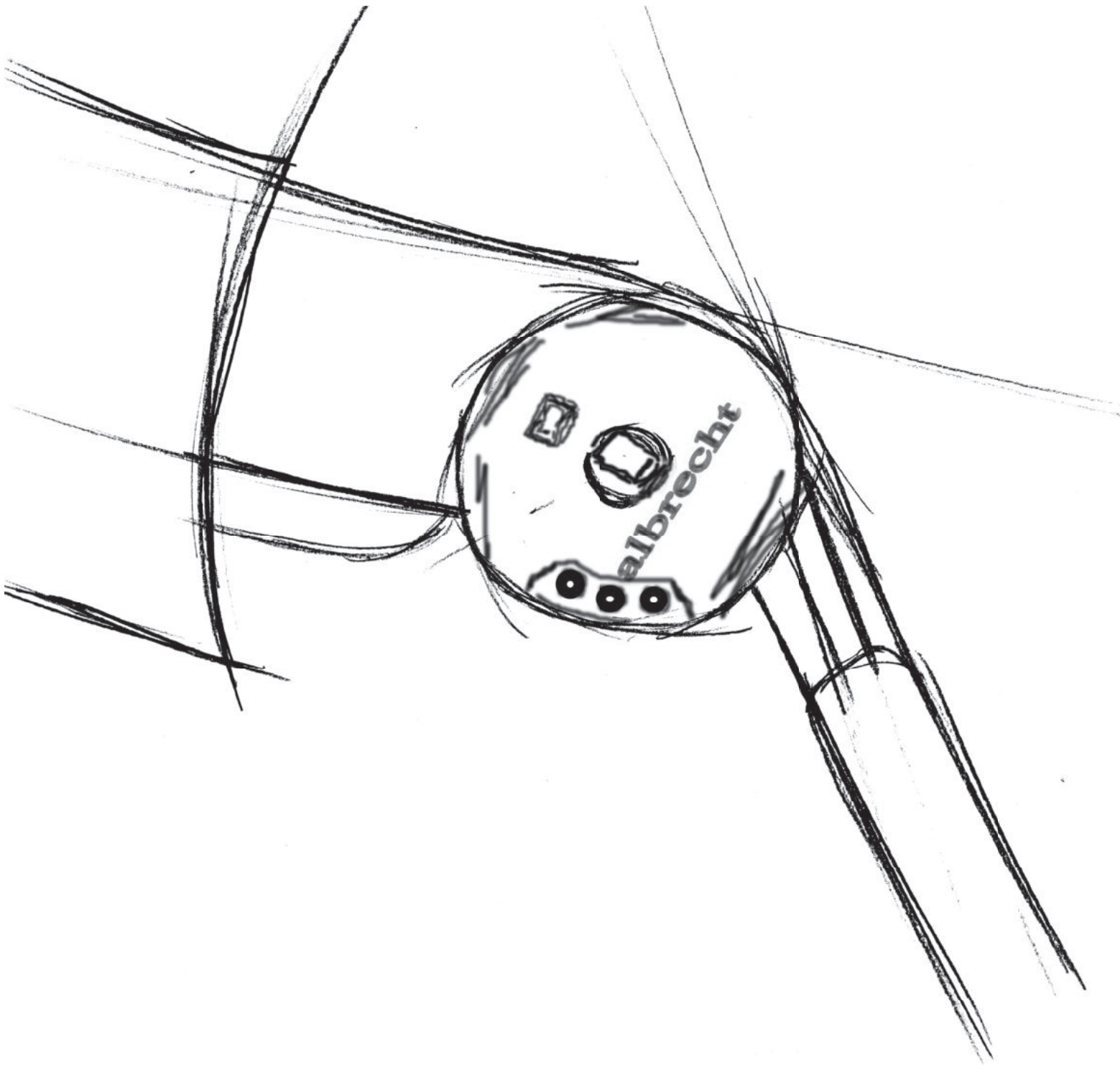
The CDS® Ankle Brace to go functions according to the CDS®-principle and has been designed to treat an extension deficit of the ankle. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The adjustable redression range protects the tissue from painful overstretching.



Size chart and article numbers

Name	Length of lower leg shell	Circumference of calf	EU- shoe size	Sole Length	Art.-No. left	Art.-No. right
Ankle Brace to go L/L	36 - 38,5 cm	32 - 47 cm	44 - 47	30 cm	921LL-L	921LL-R
Ankle Brace to go L/M	36 - 38,5 cm	32 - 47 cm	40 - 43	27,5 cm	921LM-L	921LM-R
Ankle Brace to go L/S	36 - 38,5 cm	32 - 47 cm	37 - 39	26 cm	921LS-L	921LS-R

Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.



CDS® Elbow Brace Extension

Dynamic spring-loaded elbow orthosis

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

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
- After burns
- After strokes
- Paralysis (discrete palsy of peripheral origin)
- After cranio-cerebral trauma (CCT)
- To prevent new contractures after 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
- Adjustable shell- and strapsystem:
- High wearing comfort thanks to air-permeable, light aluminium shell elements
- High flexibility thanks to adjustable shell elements
- CDS® Elbow Brace Extension L/L, M/M, S/S: Infinitely variable adjustment of the redression range between -15° and +30°
- CDS® Elbow Brace Extension XS/XS: Adjustment of the redression range in 10° steps



Available with adjustable handle to immobilize the wrist from 70° pronation to 70° supination in every position.

Optionally with adjustable handplate.

Optionally with carrying strap.

Mode of Operation

The CDS® Elbow Brace Extension functions according to 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 adjustable redression range protects the tissue from overstretching and allows for individual extension until -15°.

Size chart and article numbers


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

Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

Name	Art.-No. left	Art.-No. right
Adjustable handle	993A-HL	993A-HR
Adjustable hand plate L	994L-HL	994L-HR
Adjustable hand plate M	994M-HL	994M-HR
Adjustable hand plate S	994S-HL	994S-HR
Carrying strap L	580-200-S	

Modules for the modular assembly

Art.-No.	Upper Arm Shell Sets		Left	Right
822LL-L	Upper Arm Shell Set L/L Length: 17 - 21 cm Circumference: 28 - 39 cm		•	
822LL-R				•
822MM-L	Upper Arm Shell Set M/M Length: 17 - 20,5 cm Circumference: 20 - 30 cm		•	
822MM-R				•
822SS-L	Upper Arm Shell Set S/S Length: 17 - 20 cm Circumference: 15 - 21 cm		•	
822SS-R				•
822XSXS-L	Upper Arm Shell Set XS/XS Length: 14 - 17 cm Circumference: 12 - 17 cm	•		
822XSXS-R			•	

Art.-No.	Application	Hinge Set		Left	Right
870-180-L	L/L, L/L with handle, M/M, M/M with handle, S/S	Hinge Set CDS® Elbow Extension		•	
870-180-R					•
870-181-L	XS/XS	Hinge Set CDS® Elbow Extension XS		•	
870-181-R					•

Art.-No.	Forearm Shell Sets		Left	Right
823LL-L	Forearm Shell Set L/L Length: 20 - 24 cm Circumference: 22 - 30 cm		•	
823LL-R				•
823MM-L	Forearm Shell Set M/M Length: 19,5 - 22 cm Circumference: 18 - 24 cm		•	
823MM-R				•
823SS-L	Forearm Shell Set S/S Length: 17,5 - 20,5 cm Circumference: 14 - 19 cm		•	
823SS-R				•
823XSXS-L	Forearm Shell Set XS/XS Length: 14 - 17,5 cm Circumference: 12 - 14 cm	•		
823XSXS-R			•	

The shell sets are combinable amongst each other.

Junior

CDS® Elbow Brace Extension

Dynamic spring-loaded elbow orthosis

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

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
- After burns
- After strokes
- Paralysis (discrete palsy of peripheral origin)
- After cranio-cerebral trauma (CCT)
- To prevent new contractures after 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
- Infinitely variable adjustment of the redression range between -15° and +30°

Optionally with carrying strap.

Mode of Operation

The CDS® Elbow Brace Extension functions according to 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 adjustable redression range protects the tissue from overstretching and allows for individual extension until -15°.

Size chart and article numbers





Name	Length of upper arm shell	Length of forearm shell	Circumference of upper arm	Circumference of forearm	Art.-No. left	Art.-No. right
Elbow Extension Junior Green	17 - 20 cm	17,5 - 20,5 cm	15 - 21 cm	14 - 19 cm	906SS-GL	906SS-GR
Elbow Extension Junior Blue	17 - 20 cm	17,5 - 20,5 cm	15 - 21 cm	14 - 19 cm	906SS-BL	906SS-BR
Elbow Extension Junior Orange	17 - 20 cm	17,5 - 20,5 cm	15 - 21 cm	14 - 19 cm	906SS-OL	906SS-OR
Elbow Extension Junior Pink	17 - 20 cm	17,5 - 20,5 cm	15 - 21 cm	14 - 19 cm	906SS-PL	906SS-PR

Name	Art.-No.
Carrying strap	580-210-S







Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

 Modules for the modular assembly

Art.-No.	Upper Arm Shell Sets		Left	Right
822SS-GL	Upper Arm Shell Set Junior Green Length: 17 - 20 cm Circumference: 15 - 21 cm		•	
822SS-GR				•
822SS-BL	Upper Arm Shell Set Junior Blue Length: 17 - 20 cm Circumference: 15 - 21 cm		•	
822SS-BR				•
822SS-OL	Upper Arm Shell Set Junior Orange Length: 17 - 20 cm Circumference: 15 - 21 cm		•	
822SS-OR				•
822SS-PL	Upper Arm Shell Set Junior Pink Length: 17 - 20 cm Circumference: 15 - 21 cm		•	
822SS-PR				•

Art.-No.	Hinge Set		Left	Right
870-180-L	Hinge Set CDS® Elbow Extension S		•	
870-180-R				•

Art.-No.	Forearm Shell Sets		Left	Right
823SS-GL	Forearm Shell Set Junior Green Length: 17,5 - 20,5 cm Circumference: 14 - 19 cm		•	
823SS-GR				•
823SS-BL	Forearm Shell Set Junior Blue Length: 17,5 - 20,5 cm Circumference: 14 - 19 cm		•	
823SS-BR				•
823SS-OL	Forearm Shell Set Junior Orange Length: 17,5 - 20,5 cm Circumference: 14 - 19 cm		•	
823SS-OR				•
823SS-PL	Forearm Shell Set Junior Pink Length: 17,5 - 20,5 cm Circumference: 14 - 19 cm		•	
823SS-PR				•

CDS® Elbow Brace Extension

Dynamic spring-loaded elbow orthosis

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

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
- After burns
- After strokes
- Paralysis (discrete palsy of peripheral origin)
- After cranio-cerebral trauma (CCT)
- To prevent new contractures after 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
- **CDS® Elbow Brace Extension Bambini:**
Adjustment of the redression range in 10° steps

Optionally with carrying strap.

Mode of Operation

The CDS® Elbow Brace Extension functions according to 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 adjustable redression range protects the tissue from overstretching and allows for individual extension until -15°.

Size chart and article numbers





Name	Length of upper arm shell	Length of forearm shell	Circumference of upper arm	Circumference of forearm	Art.-No. left	Art.-No. right
Elbow Extension Bambini Green	14 - 17 cm	14 - 17,5 cm	12 - 17 cm	12 - 14 cm	906XSXS-GL	906XSXS-GR
Elbow Extension Bambini Blue	14 - 17 cm	14 - 17,5 cm	12 - 17 cm	12 - 14 cm	906XSXS-BL	906XSXS-BR
Elbow Extension Bambini Orange	14 - 17 cm	14 - 17,5 cm	12 - 17 cm	12 - 14 cm	906XSXS-OL	906XSXS-OR
Elbow Extension Bambini Pink	14 - 17 cm	14 - 17,5 cm	12 - 17 cm	12 - 14 cm	906XSXS-PL	906XSXS-PR


Name	Art.-No.
Carrying strap	580-210-S







Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

 Modules for the modular assembly

Art.-No.	Upper Arm Shell Sets		Left	Right
822XSXS-GL	Upper Arm Shell Set Bambini Green Length: 14 - 17 cm Circumference: 12 - 17 cm		•	
822XSXS-GR				•
822XSXS-BL	Upper Arm Shell Set Bambini Blue Length: 14 - 17 cm Circumference: 12 - 17 cm		•	
822XSXS-BR				•
822XSXS-OL	Upper Arm Shell Set Bambini Orange Length: 14 - 17 cm Circumference: 12 - 17 cm		•	
822XSXS-OR				•
822XSXS-PL	Upper Arm Shell Set Bambini Pink Length: 14 - 17 cm Circumference: 12 - 17 cm		•	
822XSXS-PR				•

Art.-No.	Hinge Set		Left	Right
870-181-L	Hinge Set CDS® Elbow Extension XS		•	
870-181-R				•

Art.-No.	Forearm Shell Sets		Left	Right
823XSXS-GL	Forearm Shell Set Bambini Green Length: 14 - 17,5 cm Circumference: 12 - 14 cm		•	
823XSXS-GR				•
823XSXS-BL	Forearm Shell Set Bambini Blue Length: 14 - 17,5 cm Circumference: 12 - 14 cm		•	
823XSXS-BR				•
823XSXS-OL	Forearm Shell Set Bambini Orange Length: 14 - 17,5 cm Circumference: 12 - 14 cm		•	
823XSXS-OR				•
823XSXS-PL	Forearm Shell Set Bambini Pink Length: 14 - 17,5 cm Circumference: 12 - 14 cm		•	
823XSXS-PR				•

CDS® Elbow Brace Flexion

Dynamic spring-loaded elbow orthosis

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

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
 - After burns
- After strokes
- Paralysis (discrete palsy of peripheral origin)
- After cranio-cerebral trauma (CCT)
- Treatment after biceps tendon rupture
- To prevent new contractures after arthrolysis

Features

- Therapie in flexion
- Individual adjustment of the spring tension
- Spring tension can be switched on and off without tools and without varying the set spring tension
- Adjustable shell - and strapsystem
- High wearing comfort thanks to air-permeable, light aluminium shell elements
- High flexibility thanks to adjustable shell elements
- **CDS® Elbow Brace Flexion L/L, M/M, S/S:**
Infinitely variable adjustment of the redression range in flexion
- **CDS® Elbow Brace Flexion XS/XS:**
Adjustment of the redression range in 10° steps

Available with adjustable handle to immobilize the wrist from 70° pronation to 70° supination in every position.

Optionally with adjustable handplate.

Optionally with carrying strap.

Mode of Operation

The CDS® Elbow Brace Flexion functions according to 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 simulate growth in the contracted tissue. The adjustable redression range protects the tissue from painful overstretching.

Size chart and article numbers

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



Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

Name	Art.-No. left	Art.-No. right
Adjustable handle	993A-HL	993A-HR
Adjustable hand plate L	994L-HL	994L-HR
Adjustable hand plate M	994M-HL	994M-HR
Adjustable hand plate S	994S-HL	994S-HR
Carrying strap L	580-200-S	

Modules for the modular assembly

Art.-No.	Upper Arm Shell Sets		Left	Right
822LL-L	Upper Arm Shell Set L/L Length: 17 - 21 cm Circumference: 28 - 39 cm		•	
822LL-R				•
822MM-L	Upper Arm Shell Set M/M Length: 17 - 20,5 cm Circumference: 20 - 30 cm		•	
822MM-R				•
822SS-L	Upper Arm Shell Set S/S Length: 17 - 20 cm Circumference: 15 - 21 cm		•	
822SS-R				•
822XSXS-L	Upper Arm Shell Set XS/XS Length: 14 - 17 cm Circumference: 12 - 17 cm	•		
822XSXS-R			•	
Art.-No.	Application	Hinge Set	Left	Right
870-190-L	L/L, L/L with handle, M/M, M/M with handle, S/S	Hinge Set CDS® Elbow Flexion	•	
870-190-R				
870-191-L	XS/XS	Hinge Set CDS® Elbow Flexion XS	•	
870-191-R				
Art.-No.	Forearm Shell Sets		Left	Right
823LL-L	Forearm Shell Set L/L Length: 20 - 24 cm Circumference: 22 - 30 cm		•	
823LL-R				
823MM-L	Forearm Shell Set M/M Length: 19,5 - 22 cm Circumference: 18 - 24 cm		•	
823MM-R				
823SS-L	Forearm Shell Set S/S Length: 17,5 - 20,5 cm Circumference: 14 - 19 cm		•	
823SS-R				
823XSXS-L	Forearm Shell Set XS/XS Length: 14 - 17,5 cm Circumference: 12 - 14 cm	•		
823XSXS-R				•

The shell sets are combinable amongst each other.

CDS® Elbow Brace Flexion

Dynamic spring-loaded elbow orthosis

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

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
 - After burns
- After strokes
- Paralysis (discrete palsy of peripheral origin)
- After cranio-cerebral trauma (CCT)
- Treatment after biceps tendon rupture
- To prevent new contractures after arthrolysis

Features

- Therapie in flexion
- Individual adjustment of the spring tension
- Spring tension can be switched on and off without tools and without varying the set spring tension
- Infinitely variable adjustment of the redression range in flexion

Optionally with carrying strap.

Mode of Operation

The CDS® Elbow Brace Flexion functions according to 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 simulate growth in the contracted tissue. The adjustable redression range protects the tissue from painful overstretching.


Size chart and article numbers





Name	Length of upper arm shell	Length of forearm shell	Circumference of upper arm	Circumference of forearm	Art.-No. left	Art.-No. right
Elbow Flexion Junior Green	17 - 20 cm	17,5 - 20,5 cm	15 - 21 cm	14 - 19 cm	907SS-GL	907SS-GR
Elbow Flexion Junior Blue	17 - 20 cm	17,5 - 20,5 cm	15 - 21 cm	14 - 19 cm	907SS-BL	907SS-BR
Elbow Flexion Junior Orange	17 - 20 cm	17,5 - 20,5 cm	15 - 21 cm	14 - 19 cm	907SS-OL	907SS-OR
Elbow Flexion Junior Pink	17 - 20 cm	17,5 - 20,5 cm	15 - 21 cm	14 - 19 cm	907SS-PL	907SS-PR

Name	Art.-No.
Carrying strap	580-210-S







Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

 Modules for the modular assembly

Art.-No.	Upper Arm Shell Sets		Left	Right
822SS-GL	Upper Arm Shell Set Junior Green Length: 17 - 20 cm Circumference: 15 - 21 cm		•	
822SS-GR				•
822SS-BL	Upper Arm Shell Set Junior Blue Length: 17 - 20 cm Circumference: 15 - 21 cm		•	
822SS-BR				•
822SS-OL	Upper Arm Shell Set Junior Orange Length: 17 - 20 cm Circumference: 15 - 21 cm		•	
822SS-OR				•
822SS-PL	Upper Arm Shell Set Junior Pink Length: 17 - 20 cm Circumference: 15 - 21 cm		•	
822SS-PR				•

Art.-No.	Hinge Set		Left	Right
870-190-L	Hinge Set CDS® Elbow Flexion S		•	
870-190-R				•

Art.-No.	Forearm Shell Sets		Left	Right
823SS-GL	Forearm Shell Set Junior Green Length: 17,5 - 20,5 cm Circumference: 14 - 19 cm		•	
823SS-GR				•
823SS-BL	Forearm Shell Set Junior Blue Length: 17,5 - 20,5 cm Circumference: 14 - 19 cm		•	
823SS-BR				•
823SS-OL	Forearm Shell Set Junior Orange Length: 17,5 - 20,5 cm Circumference: 14 - 19 cm		•	
823SS-OR				•
823SS-PL	Forearm Shell Set Junior Pink Length: 17,5 - 20,5 cm Circumference: 14 - 19 cm		•	
823SS-PR				•

CDS® Elbow Brace Flexion

Dynamic spring-loaded elbow orthosis

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



Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
 - After burns
- After strokes
- Paralysis (discrete palsy of peripheral origin)
- After cranio-cerebral trauma (CCT)
- Treatment after biceps tendon rupture
- To prevent new contractures after arthrolysis



Features

- Therapie in flexion
- Individual adjustment of the spring tension
- Spring tension can be switched on and off without tools and without varying the set spring tension
- **CDS® Elbow Brace Flexion Bambini:**
Adjustment of the redression range in 10° steps



Optionally with carrying strap.



Mode of Operation

The CDS® Elbow Brace Flexion functions according to 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 simulate growth in the contracted tissue. The adjustable redression range protects the tissue from painful overstretching.












Size chart and article numbers

Name	Length of upper arm shell	Length of forearm shell	Circumference of upper arm	Circumference of forearm	Art.-No. left	Art.-No. right
Elbow Flexion Bambini Green	14 - 17 cm	14 - 17,5 cm	12 - 17 cm	12 - 14 cm	907XSXS-GL	907XSXS-GR
Elbow Flexion Bambini Blue	14 - 17 cm	14 - 17,5 cm	12 - 17 cm	12 - 14 cm	907XSXS-BL	907XSXS-BR
Elbow Flexion Bambini Orange	14 - 17 cm	14 - 17,5 cm	12 - 17 cm	12 - 14 cm	907XSXS-OL	907XSXS-OR
Elbow Flexion Bambini Pink	14 - 17 cm	14 - 17,5 cm	12 - 17 cm	12 - 14 cm	907XSXS-PL	907XSXS-PR

Name	Art.-No.
Carrying strap	580-210-S

Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

Modules for the modular assembly

Art.-No.	Upper Arm Shell Sets		Left	Right
822XSXS-GL	Upper Arm Shell Set Bambini Green Length: 14 - 17 cm Circumference: 12 - 17 cm		•	
822XSXS-GR				•
822XSXS-BL	Upper Arm Shell Set Bambini Blue Length: 14 - 17 cm Circumference: 12 - 17 cm		•	
822XSXS-BR				•
822XSXS-OL	Upper Arm Shell Set Bambini Orange Length: 14 - 17 cm Circumference: 12 - 17 cm		•	
822XSXS-OR				•
822XSXS-PL	Upper Arm Shell Set Bambini Pink Length: 14 - 17 cm Circumference: 12 - 17 cm		•	
822XSXS-PR				•
Art.-No.	Hinge Set		Left	Right
870-191-L	Hinge Set CDS® Elbow Flexion XS		•	
870-191-R				•
Art.-No.	Forearm Shell Sets		Left	Right
823XSXS-GL	Forearm Shell Set Bambini Green Length: 14 - 17,5 cm Circumference: 12 - 14 cm		•	
823XSXS-GR				•
823XSXS-BL	Forearm Shell Set Bambini Blue Length: 14 - 17,5 cm Circumference: 12 - 14 cm		•	
823XSXS-BR				•
823XSXS-OL	Forearm Shell Set Bambini Orange Length: 14 - 17,5 cm Circumference: 12 - 14 cm		•	
823XSXS-OR				•
823XSXS-PL	Forearm Shell Set Bambini Pink Length: 14 - 17,5 cm Circumference: 12 - 14 cm		•	
823XSXS-PR				•

CDS® Elbow Brace Duo

Dynamic spring-loaded elbow orthosis

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

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - After cranio-cerebral trauma (CCT) and after spinal cord injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
- After burns
- After strokes
- Paralysis (discrete palsy of peripheral origin)
- Treatment after biceps tendon rupture
- To prevent new contractures after arthrolysis

Features

- **Therapy in flexion and extension**
- Individual adjustment of the tension spring without tools
- Limits for flexion and extension continuously adjustable
- Limit for extension can be set as far as -10°
- Immobilisation function between -10° and +150°
- Individual adjustment of shells and straps
- Change-over point can be set between +46° and +92°
- Easy handling and high wearing comfort

Available with adjustable handle to immobilize the wrist from 70° pronation to 70° supination in every position.

Optionally with adjustable handplate.

Optionally with carrying strap.

Mode of Operation

The CDS® Elbow Brace Duo functions according to the CDS®-principle and has been designed for the simultaneous treatment of extension and flexion deficits of the elbow. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue.

The adjustable redression range protects the tissue from overstretching and allows for individual terminal extension until -10°.

Size chart and article numbers




Name	Length of upper arm shell	Length of forearm shell	Circumference of upper arm	Circumference of forearm	Art.-No. left	Art.-No. right
Elbow DUO L/L	18 - 22 cm	23 cm	28 - 39 cm	22 - 30 cm	905LL-L	905LL-R
Elbow DUO L/L with handle	18 - 22 cm	23 cm	28 - 39 cm	22 - 30 cm	9051LL-L	9051LL-R
Elbow DUO M/M	18 - 21,5 cm	23 cm	20 - 30 cm	18 - 24 cm	905MM-L	905MM-R
Elbow DUO M/M with handle	18 - 21,5 cm	23 cm	20 - 30 cm	18 - 24 cm	9051MM-L	9051MM-R



Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

Name	Art.-No. left	Art.-No. right
Adjustable handle	993A-HL	993A-HR
Adjustable hand plate L	994L-HL	994L-HR
Adjustable hand plate M	994M-HL	994M-HR
Adjustable hand plate S	994S-HL	994S-HR
Carrying strap L	580-200-S	

Modules for the modular assembly

Art.-No.	Upper Arm Shell Sets		Left	Right
822LL-L	Upper Arm Shell Set L/L Length: 17 - 21 cm Circumference: 28 - 39 cm		•	
822LL-R				•
822MM-L	Upper Arm Shell Set M/M Length: 17 - 20,5 cm Circumference: 20 - 30 cm		•	
822MM-R				•
Art.-No.	Application	Hinge Set	Left	Right
870-185-L	Application in Elbow Braces with effective direction towards both extension and flexion	CDS® Duo-hinge Elbow	•	
870-185-R				•
				
Art.-No.	Forearm Shell Sets		Left	Right
823LL-L	Forearm Shell Set L/L Length: 20 - 24 cm Circumference: 22 - 30 cm		•	
823LL-R				•
823MM-L	Forearm Shell Set M/M Length: 19,5 - 22 cm Circumference: 18 - 24 cm		•	
823MM-R				•

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
further patents pending

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
- After burns
- After strokes
- After spinal cord injuries
- Paralysis
- After cranio-cerebral trauma (CCT)
- To prevent new contractures after arthrolysis

Features

- Therapy in extension
- Smaller hinge with established features:
 - Individual adjustment of the spring tension
 - Spring tension can be switched on and off without tools and without varying the set spring tension
 - Redression range can be adjusted in 15° intervals
- Adjustable shell- and strapsystem:
 - High wearing comfort thanks to air-permeable, light aluminium shell elements
 - High flexibility thanks to adjustable shell elements
- Flexible handle:
 - Angle adjustable according to course of treatment
 - Soft coating

Optionally with carrying strap.

Mode of Operation

The CDS® Wrist Brace Extension functions accordingly to 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 adjustable redression range protects the tissue from painful overstretching.

Size chart and article numbers

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


Name	Art.-No. right/left
Carrying strap L	580-200-S




Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

 Modules for the modular assembly

Art.-No.	Forearm Wrist Shell Sets		Left	Right
824LXXL-L	Forearm Wrist Shell Set L/XXL Length: 21- 23,5 cm Circumference: 28- 38 cm		•	
824LXXL-R				•
824LXL-L	Forearm Wrist Shell Set L/XL Length: 21- 23,5 cm Circumference: 24- 36 cm		•	
824LXL-R				•
824LL-L	Forearm Wrist Shell Set L/L Length: 21 - 23,5 cm Circumference: 22 - 30 cm		•	
824LL-R				•
824LM-L	Forearm Wrist Shell Set L/M Length: 21 - 23,5 cm Circumference: 18 - 24 cm		•	
824LM-R				•
824LS-L	Forearm Wrist Shell Set L/S Length: 21 - 23,5 cm Circumference: 14 - 19 cm		•	
824LS-R				•
824MM-L	Forearm Wrist Shell Set M/M Length: 17 - 19 cm Circumference: 18 - 24 cm		•	
824MM-R				•
824SS-L	Forearm Wrist Shell Set S/S Length: 16 - 19 cm Circumference: 14 - 19 cm		•	
824SS-R				•

Art.-No.	Application	Hinge Sets		Left	Right
870-200-L	L/L, L/M, L/S	Hinge Set CDS® Wrist Extension L		•	
870-200-R					•
870-210-L	M/M, S/S	Hinge Set CDS® Wrist Extension M		•	
870-210-R					•

Art.-No.	Application	Palm Plates		Left	Right
827L-PL	L/L	Palm Plate L L plus * Width: 10 cm		•	
827L-PR					•
827L-L	L/L	Palm Plate L Width: 10 cm		•	
827L-R					•
827M-L	L/M, M/M	Palm Plate M Width: 8 cm		•	
827M-R					•
827S-L	L/S, M/S, S/S	Palm Plate S Width: 6 cm		•	
827S-R					•

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

Junior

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
further patents pending

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
 - After burns
- After strokes
- After spinal cord injuries
- Paralysis
- After cranio-cerebral trauma (CCT)
- To prevent new contractures after arthrolysis

Features

- Therapy in extension
- Smaller hinge with established features:
 - Individual adjustment of the spring tension
 - Spring tension can be switched on and off without tools and without varying the set spring tension
 - Redression range can be adjusted in 15° intervals
- Adjustable shell - and strapsystem:
 - High wearing comfort thanks to air-permeable, light aluminium shell elements
 - High flexibility thanks to adjustable shell elements
- Flexible handle:
 - Angle adjustable according to course of treatment
 - Soft coating



Optionally with carrying strap.

Mode of Operation

The CDS® Wrist Brace Extension functions accordingly to 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 adjustable redression range protects the tissue from painful overstretching.


Size chart and article numbers

Name	Length of forearm shell	Circumference of forearm	Circumference of wrist	Art.-No. left	Art.-No. right
Wrist Extension Junior Green	16 - 19 cm	14 - 19 cm	12 - 22 cm	931SS-GL	931SS-GR
Wrist Extension Junior Blue	16 - 19 cm	14 - 19 cm	12 - 22 cm	931SS-BL	931SS-BR
Wrist Extension Junior Orange	16 - 19 cm	14 - 19 cm	12 - 22 cm	931SS-OL	931SS-OR
Wrist Extension Junior Pink	16 - 19 cm	14 - 19 cm	12 - 22 cm	931SS-PL	931SS-PR


Name	Art.-No. right/left
Carrying strap S	580-210-S

Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

 Modules for the modular assembly

Art.-No.	Forearm Wrist Shell Sets		Left	Right
824SS-GL	Forearm Wrist Shell Set Junior Green		•	
824SS-GR	Length: 16 - 19 cm Circumference: 14 - 19 cm			•
824SS-BL	Forearm Wrist Shell Set Junior Blue		•	
824SS-BR	Length: 16 - 19 cm Circumference: 14 - 19 cm			•
824SS-OL	Forearm Wrist Shell Set Junior Orange		•	
824SS-OR	Length: 16 - 19 cm Circumference: 14 - 19 cm			•
824SS-PL	Forearm Wrist Shell Set Junior Pink		•	
824SS-PR	Length: 16 - 19 cm Circumference: 14 - 19 cm			•

Art.-No.	Hinge Sets		Left	Right
870-210-L	Hinge Set CDS® Wrist Extension M		•	
870-210-R				•

Art.-No.	Palm Plates		Left	Right
827S-SL	Palm Plate S Junior Width: 6 cm		•	
827S-SR				•

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
further patents pending

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
- After burns
- After strokes
- After spinal cord injuries
- Paralysis
- After cranio-cerebral trauma (CCT)
- To prevent new contractures after arthrolysis

Features

- Therapy in flexion
- Small hinge with established features:
 - Individual adjustment of the spring tension
 - Spring tension can be switched on and off without tools and without varying the set spring tension
 - Redression range can be adjusted in 15° intervals
- Adjustable shell- and strapsystem:
 - High wearing comfort thanks to air-permeable, light aluminium shell elements
 - High flexibility thanks to adjustable shell elements.
- Flexible handle:
 - Angle adjustable according to course of treatment
 - Soft coating

Optionally with carrying strap.

Mode of Operation

The CDS® Wrist Brace Flexion functions accordingly to 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 adjustable redression range protects the tissue from painful overstretching.

Size chart and article numbers



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

Name	Art.-No. left/right
Carrying strap L	580-200-S



Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

Modules for the modular assembly

Art.-No.	Forearm Wrist Shell Sets		Left	Right
824LXXL-L	Forearm Wrist Shell Set L/XXL		•	
824LXXL-R	Length: 21- 23,5 cm Circumference: 28- 38 cm			•
824LXL-L	Forearm Wrist Shell Set L/XL		•	
824LXL-R	Length: 21- 23,5 cm Circumference: 24- 36 cm			•
824LL-L	Forearm Wrist Shell Set L/L		•	
824LL-R	Length: 21 - 23,5 cm Circumference: 22 - 30 cm			•
824LM-L	Forearm Wrist Shell Set L/M		•	
824LM-R	Length: 21 - 23,5 cm Circumference: 18 - 24 cm			•
824LS-L	Forearm Wrist Shell Set L/S		•	
824LS-R	Length: 21 - 23,5 cm Circumference: 14 - 19 cm			•
824MM-L	Forearm Wrist Shell Set M/M		•	
824MM-R	Length: 17 - 19 cm Circumference: 18 - 24 cm			•
824SS-L	Forearm Wrist Shell Set S/S		•	
824SS-R	Length: 16 - 19 cm Circumference: 14 - 19 cm			•

Art.-No.	Application	Hinge Sets	Left	Right
870-220-L	L/L, L/M, S/S	Hinge Set CDS® Wrist Flexion L	•	
870-220-R				•
870-230-L	M/M, M/S	Hinge Set CDS® Wrist Flexion M	•	
870-230-R				•

Art.-No.	Application	Palm Plates	Left	Right
827L-PL	L/L	Palm Plate L plus* Width: 10 cm	•	
827L-PR				•
827L-L	L/L	Palm Plate L Width: 10 cm	•	
827L-R				•
827M-L	L/M, M/M	Palm Plate M Width: 8 cm	•	
827M-R				•
827S-L	L/S, M/S, S/S	Palm Plate S Width: 6 cm	•	
827S-R				•

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

Junior

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
further patents pending

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
 - After burns
- After strokes
- After spinal cord injuries
- Paralysis
- After cranio-cerebral trauma (CCT)

- To prevent new contractures after arthrolysis

Features

- Therapy in flexion
- Small hinge with established features:
 - Individual adjustment of the spring tension
 - Spring tension can be switched on and off without tools and without varying the set spring tension
 - Redression range can be adjusted in 15° intervals
- Adjustable shell- and strapsystem:
 - High wearing comfort thanks to air-permeable, light aluminium shell elements
 - High flexibility thanks to adjustable shell elements.
- Flexible handle:
 - Angle adjustable according to course of treatment
 - Soft coating



Optionally with carrying strap.

Mode of Operation

The CDS® Wrist Brace Flexion functions accordingly to 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 adjustable redression range protects the tissue from painful overstretching.


Size chart and article numbers


Name	Length of forearm shell	Circumference of forearm	Circumference of wrist	Art.-No. left	Art.-No. right
Wrist Flexion Junior Green	16 - 19 cm	14 - 19 cm	12 - 22 cm	932SS-GL	932SS-GR
Wrist Flexion Junior Blue	16 - 19 cm	14 - 19 cm	12 - 22 cm	932SS-BL	932SS-BR
Wrist Flexion Junior Orange	16 - 19 cm	14 - 19 cm	12 - 22 cm	932SS-OL	932SS-OR
Wrist Flexion Junior Pink	16 - 19 cm	14 - 19 cm	12 - 22 cm	932SS-PL	932SS-PR

Name	Art.-No. left/right
Carrying strap S	580-210-S

Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

 Modules for the modular assembly

Art.-No.	Forearm Wrist Shell Sets		Left	Right
824SS-GL	Forearm Wrist Shell Junior Green		•	
824SS-GR	Length: 16 - 19 cm Circumference: 14 - 19 cm			•
824SS-BL	Forearm Wrist Shell Junior Blue		•	
824SS-BR	Length: 16 - 19 cm Circumference: 14 - 19 cm			•
824SS-OL	Forearm Wrist Shell Junior Orange		•	
824SS-OR	Length: 16 - 19 cm Circumference: 14 - 19 cm			•
824SS-PL	Forearm Wrist Shell Junior Pink		•	
824SS-PR	Length: 16 - 19 cm Circumference: 14 - 19 cm			•

Art.-No.	Hinge Sets		Left	Right
870-230-L	Hinge Set CDS® Wrist Flexion M		•	
870-230-R				•

Art.-No.	Palm Plates		Left	Right
827S-SL	Palm Plate S Junior Width: 6 cm		•	
827S-SR				•

CDS® Wrist Brace Duo

Dynamic spring-loaded wrist orthosis

Patents: DE 199 04 554 / EP 1 482 881 / US 7,083,583 / DE 10 2015 012 320
further patents pending

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - In arthrosis and chronic polyarthritis
 - After burns
- After strokes
- After spinal cord injuries
- After cranio-cerebral trauma (CCT)
- To prevent new contractures after arthrolysis
- Treatment after biceps tendon rupture

Features

- Therapy in extension and flexion
- Spring tension can be adjusted individually and tool-free
- Stops can be set in flexion and extension
- Immobilization function between 80° extension and 80° flexion
- Switchover point can be set between 24° extension and 24° flexion
- Flexible shell- and strapsystem:
 - High wearing comfort thanks to air-permeable, light aluminium shell elements
 - High flexibility thanks to adjustable shell elements
- Flexible handle:
 - Angle adjustable according to course of treatment
 - Soft coating

Optionally with carrying strap.

Mode of Operation

The CDS® Wrist Brace Extension functions accordingly to 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 adjustable redression range protects the tissue from painful overstretching.

Size chart and article numbers


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


Name	Art.-No. left/right
Carrying strap L	580-200-S



Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

Modules for the modular assembly

Art.-No.	Forearm Shell Sets		Left	Right
824LXXL-L	Forearm Wrist Shell Set L/XXL		•	
824LXXL-R	Length: 21- 23,5 cm Circumference: 28- 38 cm			•
824LXL-L	Forearm Wrist Shell Set L/XL		•	
824LXL-R	Length: 21- 23,5 cm Circumference: 24- 36 cm			•
824LL-L	Forearm Wrist Shell Set L/L		•	
824LL-R	Length: 21 - 23,5 cm Circumference: 22 - 30 cm			•
824LM-L	Forearm Wrist Shell Set L/M		•	
824LM-R	Length: 21 - 23,5 cm Circumference: 18 - 24 cm			•
824LS-L	Forearm Wrist Shell Set L/S	•		
824LS-R	Length: 21 - 23,5 cm Circumference: 14 - 19 cm		•	

Art.-No.	Application	Hinge		Left	Right
870-215	L/L, L/M, L/S	Hinge CDS® Wrist Duo		•	•

Art.-No.	Application	Palm Plate		Left	Right
827L-PL	L/L	Palm Plate L plus *		•	
827L-PR		Width: 10 cm			•
827L-L	L/L	Palm Plate L		•	
827L-R		Width: 10 cm			•
827M-L	L/M, M/M	Palm Plate M		•	
827M-R		Width: 8 cm			•
827S-L	L/S, M/S, S/S	Palm Plate S		•	
827S-R		Width: 6 cm			•

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

CDS® Mansuan Finger and Wrist Brace

Dynamic finger and wrist orthosis

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

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
 - After burns
 - After strokes
- After spinal cord injuries
- Paralysis (discrete palsy of peripheral origin)
- After cranio-cerebral trauma (CCT)
- Lacerations
- Tendon sutures
- Dupuytren's contracture
- To prevent new contractures after arthrolysis

Features

- Extension therapy
- Individual adjustment of the spring tension
- Spring tension can be switched on and off without tools and without varying the set spring tension
- Redression range can be adjusted in 15° intervals
- Individually adjustable shell and strap system
- Easy handling and comfortable in use
- Length adjustment of the shell components
- Adjustable hand plate
- No tool necessary for adjusting the finger elements spring force
- Individual toolless adaptation of chains to finger length



Mode of Operation

The CDS® Manusan functions according to the CDS®-principle and has been designed to treat an flexion deficit of the fingers and wrist. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The adjustable redression range protects the tissue from painful overstretching.

Size chart and article numbers

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

Manusan Finger Brace

Dynamic finger and wrist orthosis

patents pending

Indications

- Joint contractures:
 - After surgery
 - After conservative treatment of capsular ligament injuries
 - Before and after joint replacement
 - In arthrosis and chronic polyarthritis
 - After burns
 - After strokes
- After spinal cord injuries
- Paralysis (discrete palsy of peripheral origin)
- After cranio-cerebral trauma (CCT)
- Lacerations
- Tendon sutures
- Dupuytren's contracture

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

Mode of Operation

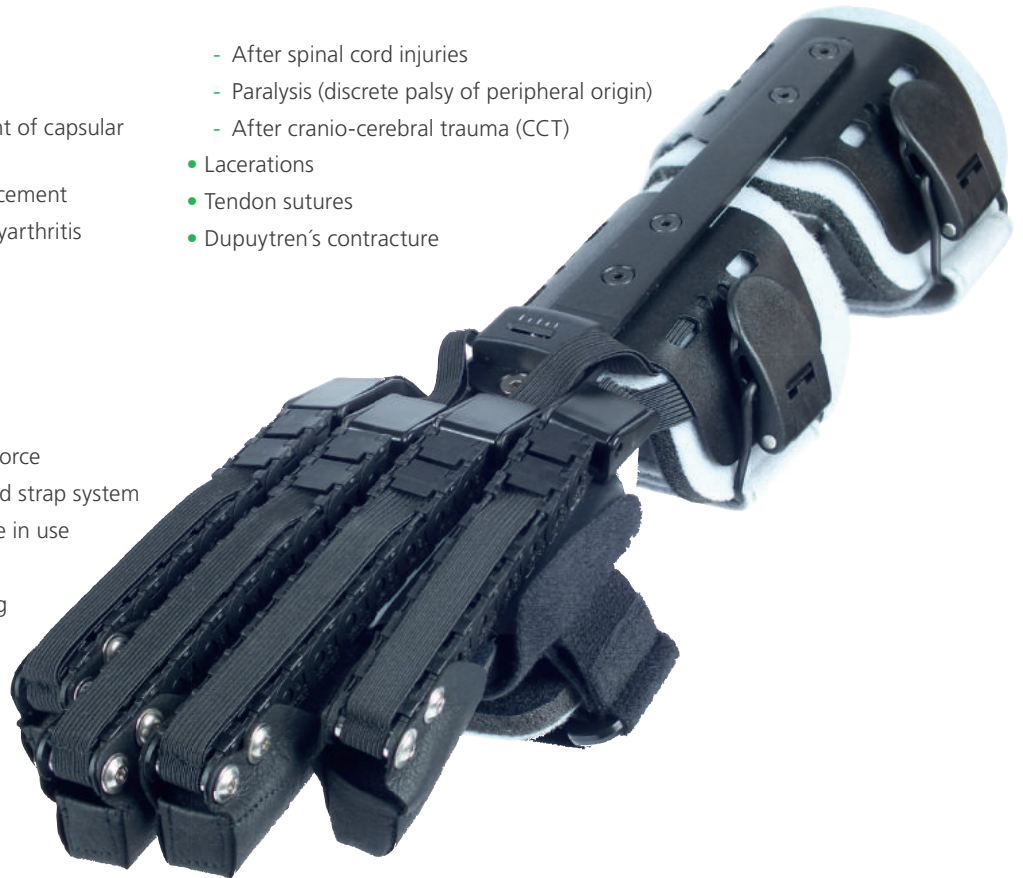
The **Manusan** is used to treat an extension deficit of the finger joints.

Active use trains the appendicular finger muscles.

Passive use stimulates growth of contracted tissue due to continuous dynamic tension.

Size chart and article numbers

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



CDS® Combination Braces



The modular system and the external aluminium rods of our CDS® orthoses allow for an individual fabrication of the combination braces. These can be used to treat several joints simultaneously.

Name	Art.-No.: left	Art.-No.: right
CDS® knee/ankle	980-L	980-R
CDS® knee/ankle S/Junior	980S-L	980S-R
CDS® elbow/wrist	981-L	981-R

CDS® Combination Brace Coniungi

+++ available immediately +++



Mode of Operation

The CDS® combination braces are available with Coniungi now.

Hence, they may be taken apart to temporarily focus therapy on one joint.

+++ available immediately +++

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 skin-friendly padding
- Broad velcro straps for fixation
- Adjustable angle

Mode of Operation

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

Optionally also available as foot splint without padding and straps.

Foot splint →
(without padding
and straps)



Size chart and article numbers

Immobilizer:

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

Foot Splint:

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



Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

Immobilizer (elbow)

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 skin-friendly padding
- Broad velcro straps for fixation
- Physiological flexion angle of 58°

Mode of Operation

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

Optionally also available as foot splint without padding and straps.

Elbow splint →
(without padding
and straps)



Size chart and article numbers

Immobilizer:

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

Elbow Splint:

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



Information on "How to measure correctly" can be found starting on page 76. ● Other sizes on request.

MKS® Body Belt

Lumbar Bandage

Indications

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

Features

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

Mode of Operation

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

The firm fastener element provides the necessary abdominal pressure.

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

Size chart and article numbers

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

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

MKS Body belt – reduced height

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



L1 - L5



Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

MKS® Body Belt

Lumbar Bandage

Indications

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

Features

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

Mode of Operation

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

The firm fastener element provides the necessary abdominal pressure.

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



Size chart and article numbers

MKS Body belt				
Size	Body circumference	Abdominal height	Height of back piece	Art.-No.
Bambini	50 - 60 cm	14 cm	18 cm	582-000NS-S
Junior	60 - 70 cm	14 cm	18 cm	582-001NS-S



Information on "How to measure correctly" can be found starting on page 76. ● Other sizes on request.

MKS® Body Belt plus

Lumbar Bandage

Indications

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

Features

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

Mode of Operation

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

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

Size chart and article numbers

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

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

MKS Body Belt plus – reduced height

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



L1 - L5



Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

Lumbar Bandage

Indications

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

Features

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

Mode of Operation

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

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



Size chart and article numbers

MKS Body Belt plus

Size	Body circumference	Abdominal height	Height of back piece	Art.-No.
Bambini	50 - 60 cm	14 cm	18 cm	582-200NS-S
Junior	60 - 70 cm	14 cm	18 cm	582-201NS-S



L1 - L5

MKS® Osteo flex

Spinal orthosis

Indications

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

Features

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

Mode of Operation

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

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

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

Size chart and article numbers

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





T3 - L5



Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

Modules for the modular assembly

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

MKS® Osteo flex – reduced Height

Spinal orthosis

Indications

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

Features

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

Mode of Operation

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

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

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

Size chart and article numbers

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



BWK 3 bis LWK 5

Information on "How to measure correctly" can be found starting on page 74 and 75. ● Other sizes on request.

Modules for the modular assembly

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



Core Compression Bandage

Core Compression Bandage

Features

- The height of the bandage can be adjusted individually through an additional belt strap.
- The belt straps and the stabilising back part can be attached with hook and loop fastener.
- The bandage can be attached while sitting.
- Every single strap can be adjusted individually, in order to create precise compression.

Mode of Operation

The [albrecht Core Compression Bandage](#) builds up compression at the tissue and supports blood circulation.



To prevent and relieve the problems of pressure ulcers on the surface of contact



Square with hole cushion

Features

- Upper side in suapel
- Sanitized treatment
- Underside in cotton
- Filled with hollow silicone fiber.
- The sanitized finishing protects the functional properties of the fiber, offering welfare while inhibiting the growth of bacteria, yeasts, fungus and mites.
- Measure: 41 cm x 41 cm x 12 cm



Visco elastic antidecubitus cushion

Features

- The holes favor a correct positioning
- Maximum user's weight: 100 kg
- Measure: 42 cm x 42 cm x 7 cm



Gel cushion

Features

- Anti-slip base to prevent falls
- Two handles
- Maximum user's weight: 120 kg
- Measure: 40 cm x 40 cm x 2 cm



Visco-anatomic cushion

Features

- Maximum user's weight: 100 kg
- Measure: 42 cm x 42 cm x 7 cm



Visco-gel cushion

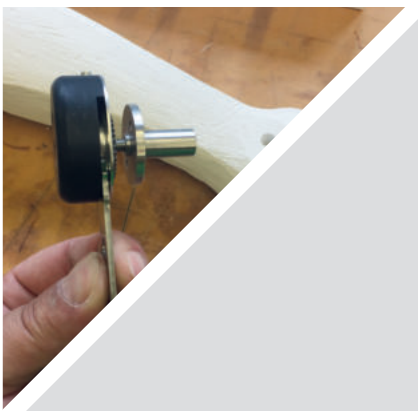
Features

- Anti-slip base to prevent falls
- Two handles
- Maximum user's weight: 120 kg
- Measure: 41 cm x 41 cm x 7 cm oder 45 x 42 x 7 cm

System hinges



Our hinge range for custom made solutions also supports you in the treatment of neurological patients.



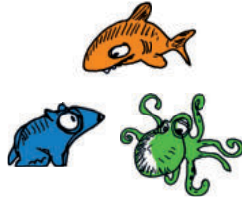


How to measure correctly

Measurements of

Colour

- Green
- Blue
- Orange
- Pink

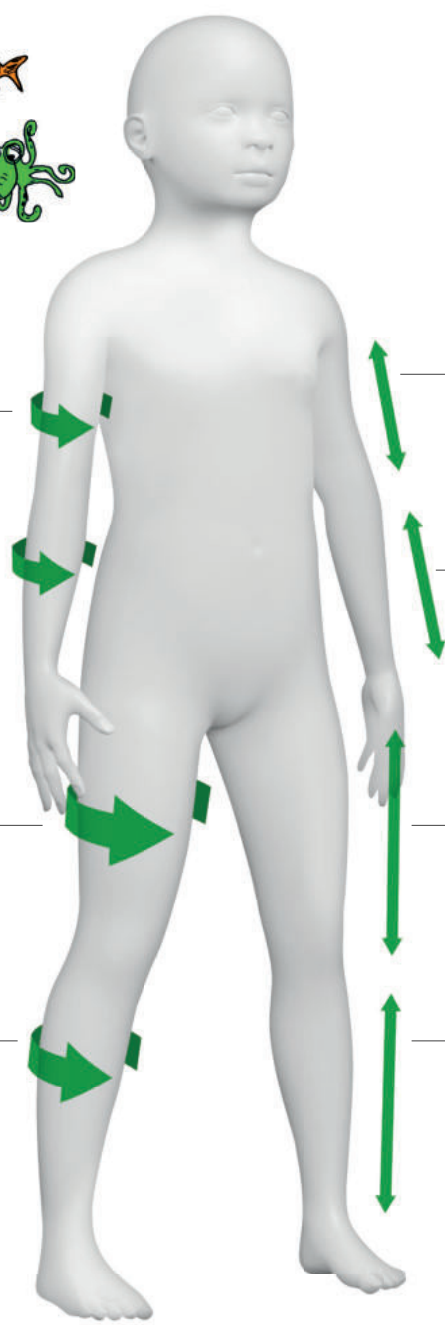


Side

- left
- right

Working direction

- Extension
- Flexion



Circumference of the upper arm

Measured at the middle of the upper arm

Circumference of the forearm

Measured at the middle of the forearm

Circumference of the thigh

Measured at the middle of the thigh

Circumference of the lower leg

Measured at the calf

Length of the upper arm

Measured from the elbow to the top edge of the upper arm shell

Length of the forearm

Measured from the elbow to the lower edge of the forearm shell

Length of the thigh

Measured from the knee to the top edge of the medial thigh shell

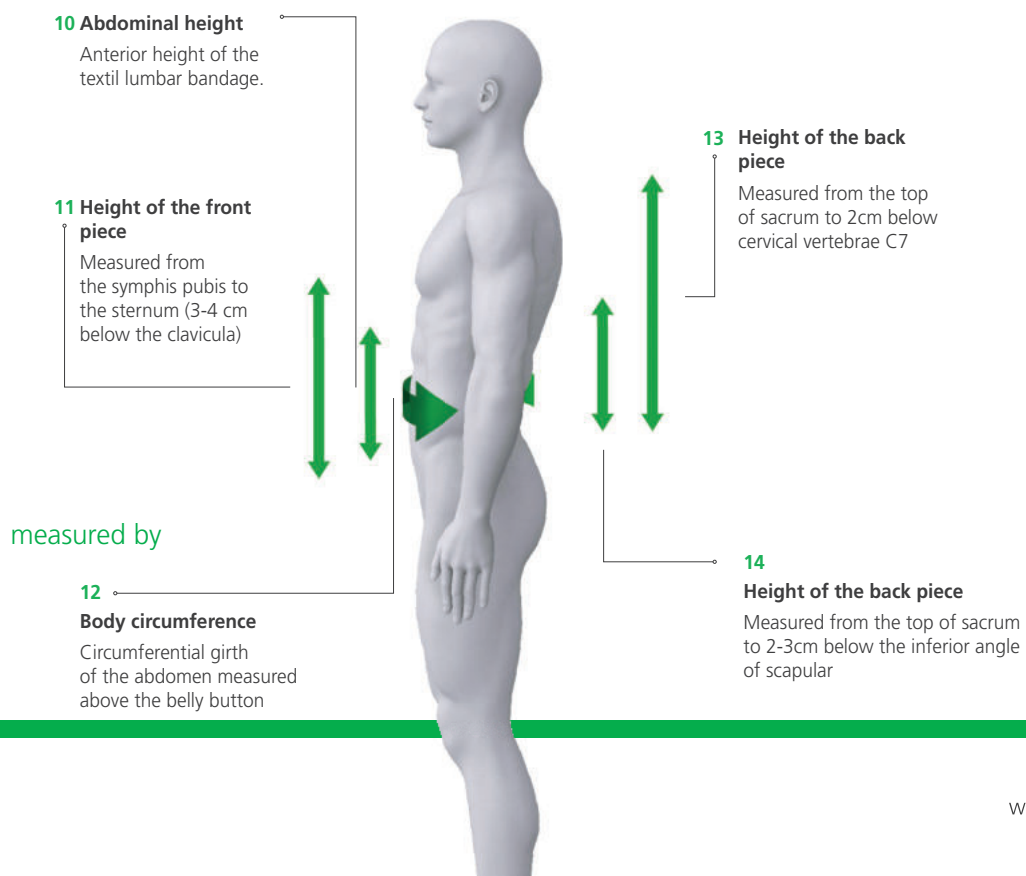
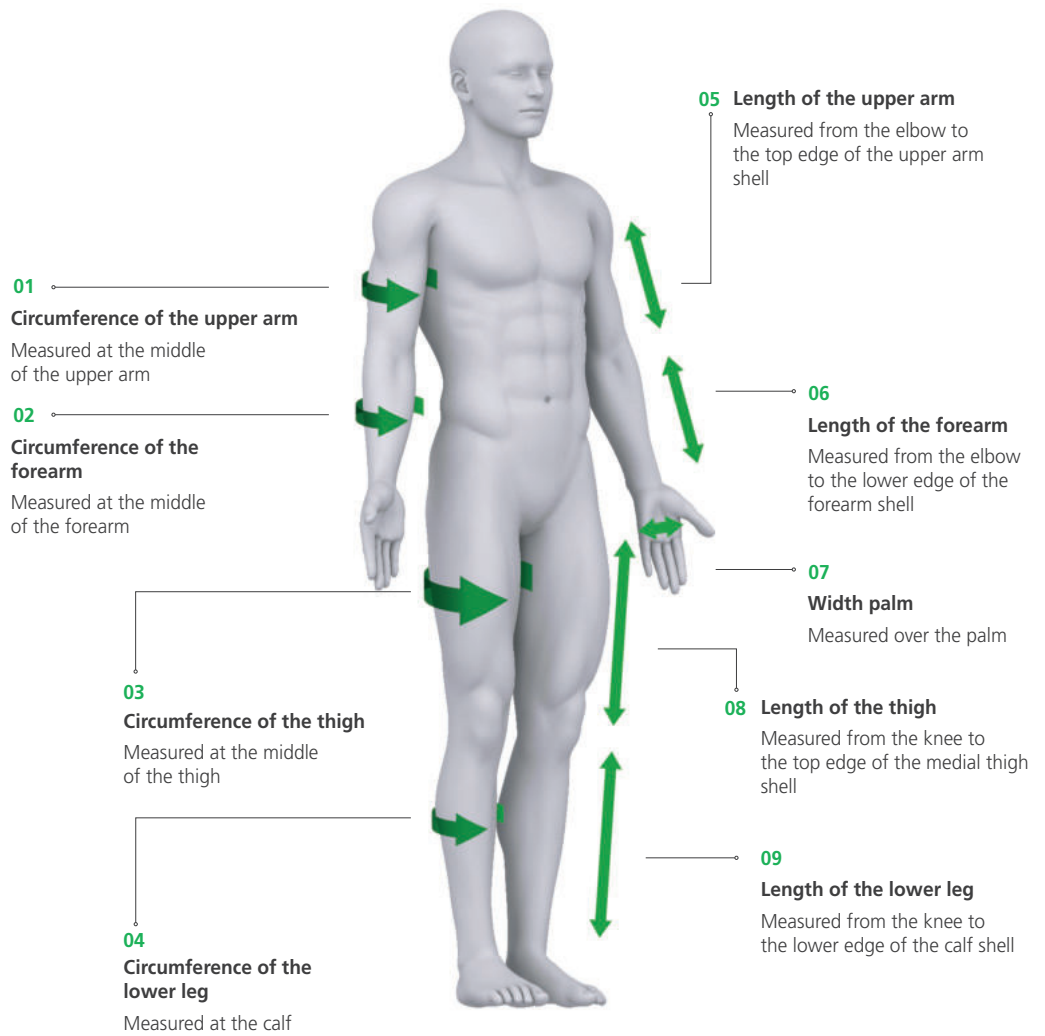
Length of the lower leg

Measured from the knee to the lower edge of the calf shell

measured by

date





Our entire portfolio

Here you can find the albrecht-products completely



albrecht general catalogue

Please view our general catalogue for our entire product portfolio. Our location in Bavaria, Germany, allows for diligent quality assurance as well as the timely implementation of innovation. Furthermore, we are able to manufacture size modifications, if required.



albrecht JUNIOR

We offer a broad product portfolio for the pediatrics to ensure optimal treatment. The albrecht Junior series includes orthoses for functional rehabilitation and dynamic contracture therapy as well as selected back products. To improve the suitability for children the Junior series is available in four colours with animal pattern.



Request our catalogues

We enjoy to give you advise by phone and to send you our further catalogues

albrecht GmbH

PHONE +49 8051 96129-0

FAX +49 8051 96129-30

INFO@ALBRECHTGMBH.COM