


# CDS® Knee Brace Extension

## Dynamic spring-loaded knee orthosis

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

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

### Indications

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

### Mode of Operation

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

### Features

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



### Size chart and article numbers

Name	Length of thigh shell medial*	Length of calf medial*	Circumference of thigh	Circumference of calf	Art.-No. left	Art.-No. right
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	21,5 - 24 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 M/S	17,5 - 20 cm	20,5 - 22,5 cm	30 - 40 cm	22 - 32 cm	901MS-L	901MS-R
Knee Extension S/S	18 cm	20 cm	30 - 40 cm	22 - 32 cm	901SS-L	901SS-R
Knee Extension XS/XS	15 cm	18 cm	25 - 35 cm	20 - 30 cm	901XSXS-L	901XSXS-R
Knee Extension XXS	12 cm	15 cm	20 - 30 cm	15 - 25 cm	901XXS-L	901XXS-R

\*in combination with the respective shell sets

## Modules for the modular assembly

### Thigh Shell Sets

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



### Hinge Sets CDS® Knee Brace Extension

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

\*in combination with the respective shell sets

### Calf Shell Set

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



# Measurement Chart

Noch nicht richtig übersetzt

