

CDS® Knee Brace Flexion

Dynamic spring-loaded knee orthosis

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

Sizes  This product is available in pediatric sizes.

Indications

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

Features

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

Mode of Operation

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

Size chart and article numbers

Bezeichnung	Length of thigh shell medial*	Length of calf medial*	Circumference of thigh	Circumference of calf	Art.-No. left	Art.-No. right
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	21,5 - 24 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 M/S	17,5 - 20 cm	20,5 - 22,5 cm	30 - 40 cm	22 - 32 cm	904MS-L	904MS-R
Knee Flexion S/S	18 cm	20 cm	30 - 40 cm	22 - 32 cm	904SS-L	904SS-R
Knee Flexion XS/XS	15 cm	18 cm	25 - 35 cm	20 - 30 cm	904XSXS-L	904XSXS-R
Knee Flexion XXS	12 cm	15 cm	20 - 30 cm	15 - 25 cm	904XXS-L	904XXS-R

*in combination with the respective shell sets



Modules for the modular assembly

Thigh Shell Sets

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



Hinge Sets CDS® Knee Brace Flexion

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

*in combination with the respective shell sets

Calf Shell Set

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



Measurement Chart

Noch nicht richtig übersetzt

