

CDS® Elbow Brace Extension

Dynamic spring-loaded elbow orthosis

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

Sizes  This product is available in pediatric sizes

Indications

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

Features

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



Mode of Operation

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

Size chart and article numbers

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

*in combination with the respective shell sets

Modules for individual assembly

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

Shell Sets Upper Arm

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



Dynamic splints

Hinge Sets CDS® Elbow Brace Extension

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



*in combination with the respective shell sets

Shell Sets Forearm

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



Measurement Chart

Noch nicht richtig übersetzt

