

CDS® Sup-Prosan

Dynamic spring-loaded elbow orthosis

Patents EP 0 841 044 / US 5,954,677 / EP 3 352 713 / EP 3 146 944
further patents pending

Indications

- Joint contractures due to
 - surgery
 - conservative treatment of capsular ligament injury
 - burns
 - stroke
 - paralysis
 - craniocerebral injury
 - radius fracture
 - ulnafracture
 - radial head fracture
 - scaphoid fracture
 - before and after joint replacement
 - arthrosis and chronic polyarthritis
- treatment of biceps tendon rupture
- to prevent recurring constracures following arthrolysis

Features

- therapy in Pro-/Supination
- individual adjustment of the spring tension
- spring tension can be switched on and off without tools and without varying the set spring tension
- adjustable hand plate
- infinitely variable adjustment of the redression range
- individual adjustment of shells and straps
- easy handling and high wearing comfort
- with carrying strap
- right supination can be easily changed to left pronation and left supination can be changed to right pronation.



Mode of Operation

The CDS® Sup-Prosan is based on the CDS®-principle and has been designed to treat a pro- or supination deficit of the elbow. The brace applies a dynamic low load prolonged stretch to stimulate growth in the contracted tissue. The infinitely adjustable redression range 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	Width palm plate	Art.-No. left	Art.-No. right
Sup-Prosan L/L Supination	20 - 24 cm	21 - 36 cm	28 - 38 cm	27 - 36 cm	10 cm	908LL-L	908LL-R
Sup-Prosan M/M Supination	20 - 24 cm	21 - 36 cm	22 - 30 cm	20 - 30 cm	8 cm	908MM-L	908MM-R
Sup-Prosan M/S Supination	20 - 24 cm	21 - 36 cm	18 - 24 cm	16 - 26 cm	6 cm	908MS-L	908MS-R
Sup-Prosan L/L Pronation	20 - 24 cm	21 - 36 cm	28 - 38 cm	27 - 36 cm	10 cm	909LL-L	909LL-R
Sup-Prosan M/M Pronation	20 - 24 cm	21 - 36 cm	22 - 30 cm	20 - 30 cm	8 cm	909MM-L	909MM-R
Sup-Prosan M/S Pronation	20 - 24 cm	21 - 36 cm	18 - 24 cm	16 - 26 cm	6 cm	909MS-L	909MS-R

* When only one upper arm shell is used the measurements are 12-14 cm for all orthoses.

** Lenght lower arm from pivtural point elbow to wrist.

Modules for the modular assembly

Shell Sets Sup-Prosan

Size	Circumference of upper arm	left	right	Art.-No.
L/L	28 - 38 cm	•		828LL-L
			•	828LL-R
M/M	22 - 30 cm	•		828MM-L
			•	828MM-R
M/S	18 - 24 cm	•		828MS-L
			•	828MS-R



Hinge Sets CDS® Sup-Prosan

Application	Hinge Set	Length of upper arm shell medial*	Length of forearm shell medial*	left	right	Art.-No.
L/L M/M M/S	Hinge Set CDS® Supination left/ Pronation right	20 - 24 cm	21 - 36 cm	•	•	870-240
L/L M/M M/S	Hinge Set CDS® Supination right/ Pronation left	20 - 24 cm	21 - 36 cm	•	•	870-241



* When only one upper arm shell is used the measurements are 12-14 cm for all orthoses.

** Length lower arm from pivotal point elbow to wrist.

Palm Plates

Application	Width	left	right	Art.-No.
L/L	10 cm	•	•	829L
M/M	8 cm	•	•	829M
S/S	6 cm	•	•	829S



Carrying strap

	left	right	Art.-No.
L	•	•	580-200-S
S	•	•	580-210-S



Measurement Chart

Noch nicht richtig übersetzt

