

INDIVIDUAL

The constantly growing albrecht INDIVIDUAL portfolio allows you to build customized solutions for your patients.



INDIVIDUAL – Hinges for customized orthoses

Important notes on selecting and ordering the appropriate hinges and accessory components:

CDS® Hinges and CDS® Nano Hinges have a straight side bar as standard, which is firmly connected to the hinge body. A second side bar (anchor) in the opposite direction needs to be selected and ordered separately.

- Anchors are available in various shapes (straight anchor, T-anchor, V-anchor).
- A complete hinge unit therefore always requires the combination of a CDS® Hinge or CDS® Nano Hinge AND an anchor.
- Exceptions: No separate anchor is required for the following products:
 - CDS® lock INDIVIDUAL sets (the set already includes straight adapter anchors)
 - CDS® Hybrid Hinge / CDS® Nano Hybrid Hinge (anchor is 3D-printed)
 - ROM Nano Adapter Hinge (already has a straight adapter anchor)
 - CDS® Micro Hinge (no anchor provided)

Examples:



Mounting options

Hinge

The side bars of the hinges are firmly connected to the hinge body. The hinges can be riveted on or inserted.

CDS® Hinge 360° with CDS® Anchor straight



CDS® Nano Hinge with CDS® Nano Anchor straight



Adapter Hinge

With the Adapter Hinges, the side bars can be unscrewed close to the hinge. The hinges can be poured in.

CDS® Adapter Hinge 360° with CDS® Adapter Anchor

The design allows for a close-to-the-body construction.

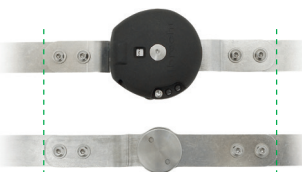


CDS® Nano Adapter Hinge with CDS® Nano Adapter Anchor

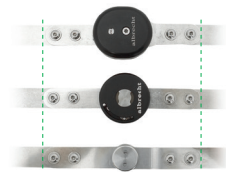


Mounting options

The center parts of the CDS® Adapter Hinge and CDS® Adapter Stabiliser are interchangeable.



The center parts of the CDS® Nano Adapter Hinge, ROM Nano Adapter Hinge and CDS® Adapter Stabiliser is possible.



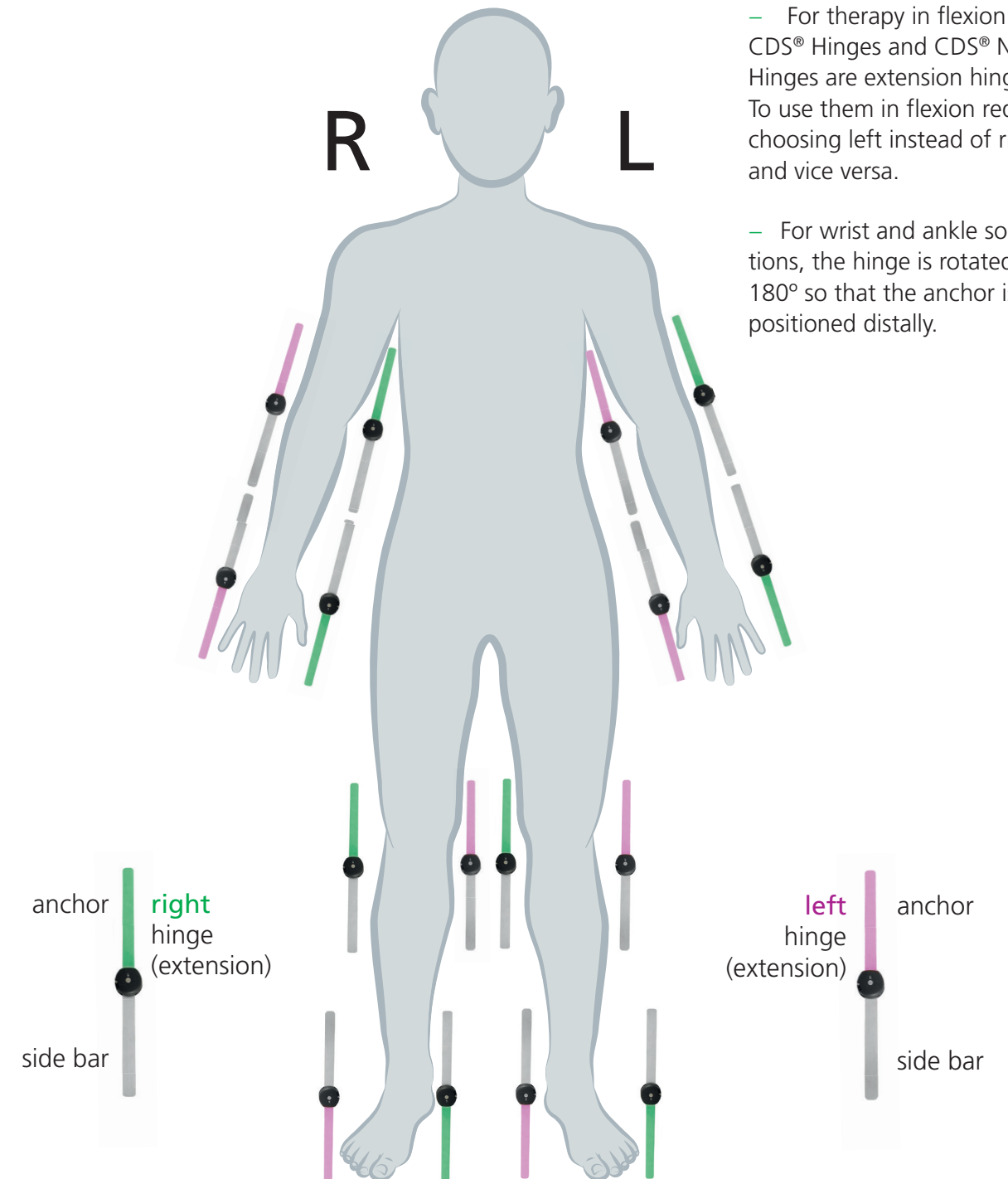
INDIVIDUAL hinge finder for CDS® Hinges and CDS® Nano Hinges

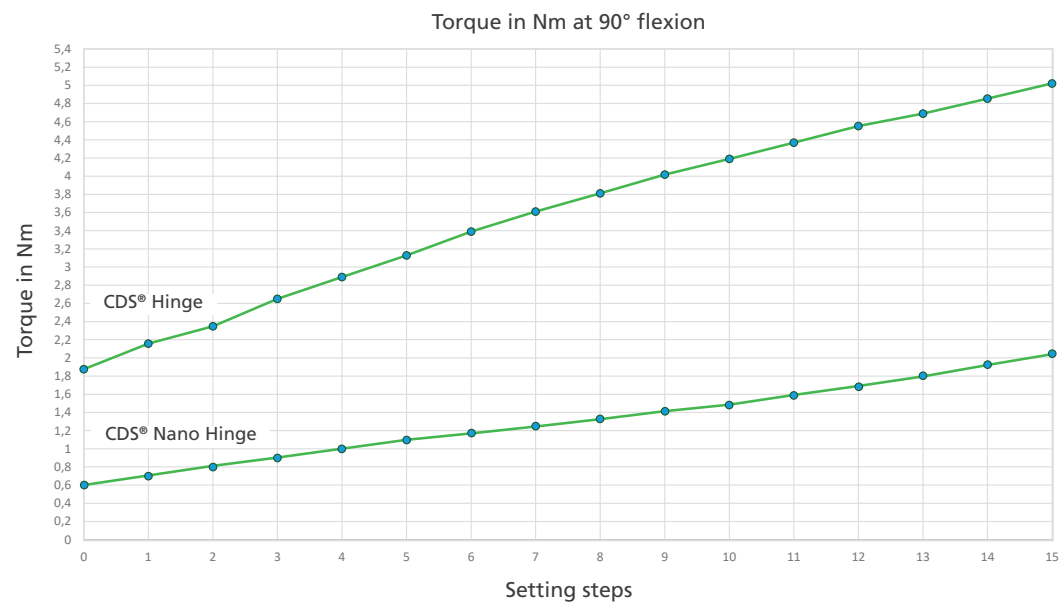
00800 03032900

Depending on the extremity being covered (knee, ankle, elbow, wrist) and the side of the body (left/right, medial/lateral), information is provided as to whether a left or right CDS® (Nano) Hinge is suitable for the respective order. The **hinge finder** helps with this decision.

Note

- For therapy in flexion: The CDS® Hinges and CDS® Nano Hinges are extension hinges. To use them in flexion requires choosing left instead of right and vice versa.
- For wrist and ankle solutions, the hinge is rotated by 180° so that the anchor is positioned distally.





Materials and widths

	CDS® (3 mm thickness)		
aluminium	20 mm	24 mm	
steel (VA)	16 mm	20 mm	24 mm

	CDS® Nano (2 mm thickness)	
aluminium	16 mm	
steel (VA)	16 mm	

CDS® Alignment Set

Using the Alignment Set when manufacturing custom-made orthoses ensures the correct position and parallelism of the hinges.

Article designation	Art.-No.
CDS® Alignment Set	860-100-S
Alignment Set Replacement Kit	860-180-S

Article designation	Art.-No.
Adjustable face spanner	280-044-S

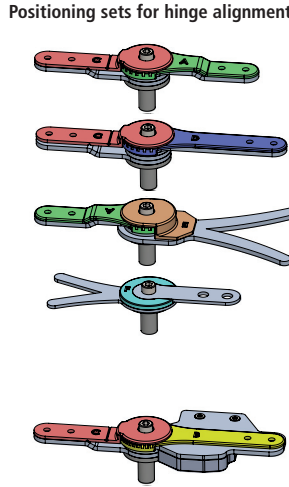
Article designation	Art.-No.
Spiral drill HSS/E DIN3 38 type N 3,2	280-076-S
Spiral drill HSS/E DIN3 38 type N 4,2	280-077-S



Positioning sets:

These sets can be used in addition to the CDS® Alignment Set. The plastic components enable the angular alignment of the hinge side bars to each other. Particularly with bilateral hinge configurations, the positioning aids ensure identical stop or locking positions as well as the subsequent synchronized movement of the hinges. The positioning sets are designed for single use. One positioning set is required per installed hinge.

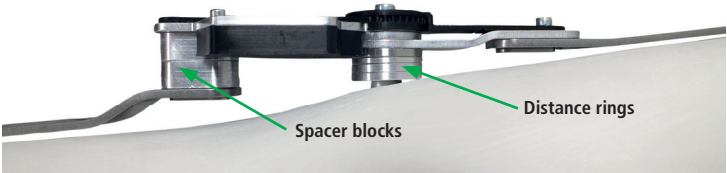
Name	Art.-No.
Positioning set CDS® Adapter Hinge 360°	860-420-S
Positioning set CDS® Adapter Hinge 360° plus	860-440-S
Positioning set CDS® Adapter Hinge 360° with V/T Anchor	860-460-S
Positioning set CDS® Nano Adapter Hinge	860-400-S
Positioning set CDS® lock INDIVIDUAL Set unilat. 16mm links	860-500-L
Positioning set CDS® lock INDIVIDUAL Set unilat. 16mm rechts	860-500-R
Positioning set CDS® lock INDIVIDUAL Set unilat. 20mm links	860-505-L
Positioning set CDS® lock INDIVIDUAL Set unilat. 20mm rechts	860-505-R
Positioning set CDS® lock INDIVIDUAL Set unilat. 24mm links	860-510-L
Positioning set CDS® lock INDIVIDUAL Set unilat. 24mm rechts	860-510-R



Spacer blocks:

Spacer blocks can be used to reduce the amount of adjusting and resin build-up. Spacer blocks are available for side bar widths of 16mm, 20mm and 24mm. The sets contain 4 blocks (5mm thick) that can be placed on top of each other. The blocks are laminated into the orthosis.

Name	Art.-No.
Set Spacer blocks 16mm	860-600-S
Set Spacer blocks 20mm	860-605-S
Set Spacer blocks 24mm	860-610-S



Assembled CDS® Alignment Aet for the CDS® lock INDIVIDUAL Set with matching Positioning set and spacer components

Spacer rings:

Spacer rings can be used to fill gaps between the cast and the alignment set and to precisely define the contact. The set includes rings with thicknesses of 5mm, 3mm and 2mm, which can be combined as required. The spacer rings are designed for multiple use.

Name	Art.-No.
Set Spacer rings	860-680-S

CDS® Hinge Selection

00800 03032900

Patents EP 0 841 044 / US 5,954,677 / EP 3 352 713 / EP 3 761 920 / EP 3 761 921 / DE 10 2008 049 854 / DE 10 2015 012 320 / EP 3 146 944 / further patents pending

	width	Knee		Ankle	
		left/lat. right/med.	right/lat. left/med.	left/lat. right/med.	right/lat. left/med.
CDS® Hinge 360° VA	16 mm 20 mm 24 mm	812-200-L 812-205-L 812-210-L	812-200-R 812-205-R 812-210-R	812-200-R 812-205-R 812-210-R	812-200-L 812-205-L 812-210-L
CDS® Hinge 360° Alu	20 mm 24 mm	812-235-L 812-240-L	812-235-R 812-240-R	812-235-R 812-240-R	812-235-L 812-240-L
CDS® Adapter Hinge 360° VA	16 mm 20 mm 24 mm	812-250-L 812-255-L 812-260-L	812-250-R 812-255-R 812-260-R	812-250-R 812-255-R 812-260-R	812-250-L 812-255-L 812-260-L
CDS® Adapter Hinge 360° Alu	20 mm 24 mm	812-285-L 812-290-L	812-285-R 812-290-R	812-285-R 812-290-R	812-285-L 812-290-L
CDS® Hinge 360° plus VA	16 mm 20 mm 24 mm	812-300-L 812-305-L 812-310-L	812-300-R 812-305-R 812-310-R	812-300-R 812-305-R 812-310-R	812-300-L 812-305-L 812-310-L
CDS® Hinge 360° plus Alu	20 mm 24 mm	812-335-L 812-340-L	812-335-R 812-340-R	812-335-R 812-340-R	812-335-L 812-340-L
CDS® Adapter Hinge 360° plus VA	16 mm 20 mm 24 mm	812-350-L 812-355-L 812-360-L	812-350-R 812-355-R 812-360-R	812-350-R 812-355-R 812-360-R	812-350-L 812-355-L 812-360-L
CDS® Adapter Hinge 360° plus Alu	20 mm 24 mm	812-385-L 812-390-L	812-385-R 812-390-R	812-385-R 812-390-R	812-385-L 812-390-L
CDS® Nano Hinge VA	16 mm	812-100-L	812-100-R	812-100-R	812-100-L
CDS® Nano Hinge Alu	16 mm	812-130-L	812-130-R	812-130-R	812-130-L
CDS® Nano Adapter Hinge VA	16 mm	812-150-L	812-150-R	812-150-R	812-150-L
CDS® Nano Adapter Hinge Alu	16 mm	812-180-L	812-180-R	812-180-R	812-180-L
CDS® lock Nano Hinge VA	16 mm	812-110-L	812-110-R	812-110-R	812-110-L
CDS® lock Nano Hinge Alu	16 mm	812-140-L	812-140-R	812-140-R	812-140-L
CDS® lock Nano Adapter Hinge VA	16 mm	812-160-L	812-160-R	812-160-R	812-160-L
CDS® lock Nano Adapter Hinge Alu	16 mm	812-190-L	812-190-R	812-190-R	812-190-L

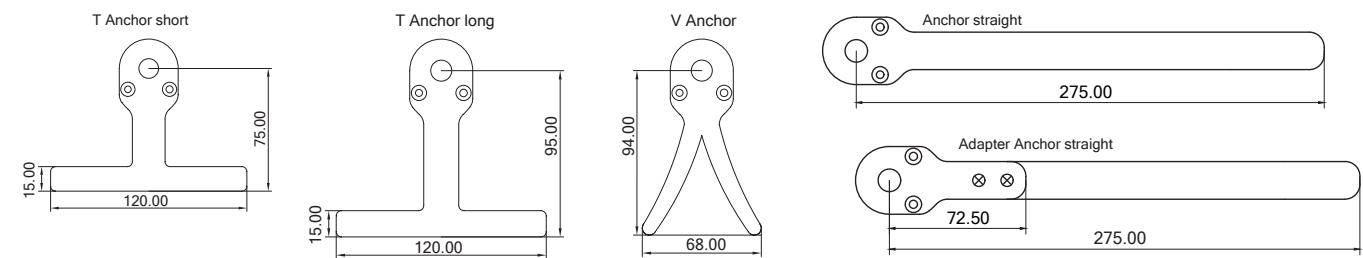
	width	left	right
CDS® lock INDIVIDUAL Set unilateral VA	16 mm 20 mm 24 mm	817-100-L 817-105-L 817-110-L	817-100-R 817-105-R 817-110-R
CDS® lock INDIVIDUAL Set bilateral VA	16 mm 20 mm 24 mm	816-100-L 816-105-L 816-110-L	816-100-R 816-105-R 816-110-R

	elbow		wrist		Anchor			
	left/lat. right/med.	right/lat. left/med.	left/lat. right/med.	right/lat. left/med.	Anchor straight	V-short V-long	T-short T-long	Nano Anchor stra- ight 16 mm slot
812-200-R 812-205-R 812-210-R	812-200-L 812-205-L 812-210-L	812-200-R 812-205-R 812-210-R	812-200-L 812-205-L 812-210-L	812-200-R 812-205-R 812-210-R	813-440-S 813-445-S 813-450-S	- 813-400-S	813-405-S 813-410-S	
					813-475-S 813-480-S	- 813-420-S	813-425-S 813-430-S	
					813-500-S 813-505-S 813-510-S	- 813-400-S	813-405-S 813-410-S	
812-235-R 812-240-R	812-235-L 812-240-L	812-235-R 812-240-R	812-235-L 812-240-L	812-235-R 812-240-R	813-535-S 813-540-S	- 813-420-S	813-425-S 813-430-S	
					813-440-S 813-445-S 813-450-S	- 813-400-S	813-405-S 813-410-S	
					813-475-S 813-480-S	- 813-420-S	813-425-S 813-430-S	
812-250-R 812-255-R 812-260-R	812-250-L 812-255-L 812-260-L	812-250-R 812-255-R 812-260-R	812-250-L 812-255-L 812-260-L	812-250-R 812-255-R 812-260-R	813-500-S 813-505-S 813-510-S	- 813-400-S	813-405-S 813-410-S	
					813-535-S 813-540-S	- 813-420-S	813-425-S 813-430-S	
					813-160-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
812-300-R 812-305-R 812-310-R	812-300-L 812-305-L 812-310-L	812-300-R 812-305-R 812-310-R	812-300-L 812-305-L 812-310-L	812-300-R 812-305-R 812-310-R	813-170-S	813-130-S -	813-135-S 813-140-S	813-175-S
					813-190-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
					813-195-S	813-130-S -	813-135-S 813-140-S	813-175-S
812-335-R 812-340-R	812-335-L 812-340-L	812-335-R 812-340-R	812-335-L 812-340-L	812-335-R 812-340-R	813-160-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
					813-170-S	813-130-S -	813-135-S 813-140-S	813-175-S
					813-190-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
812-350-R 812-355-R 812-360-R	812-350-L 812-355-L 812-360-L	812-350-R 812-355-R 812-360-R	812-350-L 812-355-L 812-360-L	812-350-R 812-355-R 812-360-L	813-195-S	813-130-S -	813-135-S 813-140-S	813-175-S
					813-160-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
					813-170-S	813-130-S -	813-135-S 813-140-S	813-175-S
812-385-R 812-390-R	812-385-L 812-390-L	812-385-R 812-390-R	812-385-L 812-390-L	812-385-R 812-390-L	813-190-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
					813-195-S	813-130-S -	813-135-S 813-140-S	813-175-S
					813-160-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
812-100-R	812-100-L	812-100-R	812-100-L	812-100-R	813-190-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
					813-195-S	813-130-S -	813-135-S 813-140-S	813-175-S
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812-130-R	812-130-L	812-130-R	812-130-L	812-130-R	813-190-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
					813-195-S	813-130-S -	813-135-S 813-140-S	813-175-S
					813-160-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
812-150-R	812-150-L	812-150-R	812-150-L	812-150-R	813-190-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
					813-195-S	813-130-S -	813-135-S 813-140-S	813-175-S
					813-160-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
812-180-R	812-180-L	812-180-R	812-180-L	812-180-R	813-190-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
					813-195-S	813-130-S -	813-135-S 813-140-S	813-175-S
					813-160-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
812-110-R	812-110-L	812-110-R	812-110-L	812-110-R	813-190-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
					813-195-S	813-130-S -	813-135-S 813-140-S	813-175-S
					813-160-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
812-140-R	812-140-L	812-140-R	812-140-L	812-140-R	813-190-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
					813-195-S	813-130-S -	813-135-S 813-140-S	813-175-S
					813-160-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
812-160-R	812-160-L	812-160-R	812-160-L	812-160-R	813-190-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
					813-195-S	813-130-S -	813-135-S 813-140-S	813-175-S
					813-160-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
812-190-R	812-190-L	812-190-R	812-190-L	812-190-R	813-190-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S
					813-195-S	813-130-S -	813-135-S 813-140-S	813-175-S
					813-160-S	813-100-S 813-105-S	813-110-S 813-115-S	813-165-S

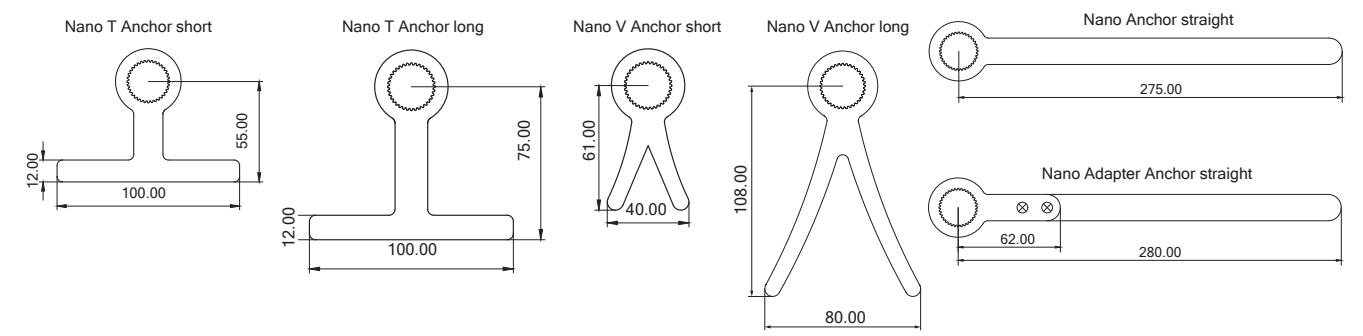


Note: The CDS® lock INDIVIDUAL Sets (unilateral and bilateral) are only available in the adapter version and already have a straight adapter anchor with mounted remote control for the hinge lock.

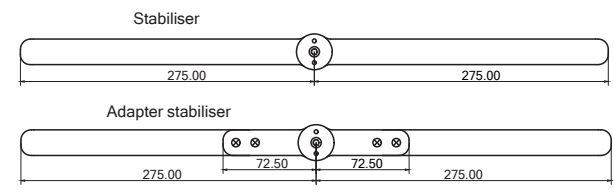
Anchor for CDS® Hinges



Anchor for CDS® Nano Hinges



CDS® Stabiliser

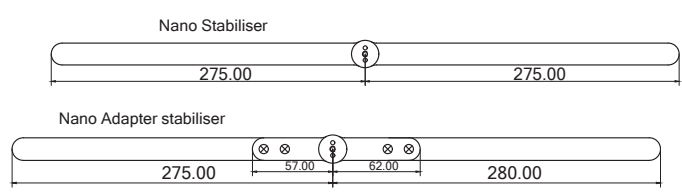


Stabilisers may be selected according to the chosen hinge.

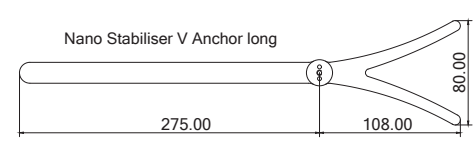
Stabiliser	Art.-No.
CDS® stabiliser 16 mm VA	830-180-S
CDS® stabiliser 20 mm VA	830-160-S
CDS® stabiliser 24 mm VA	830-110-S
CDS® stabiliser 20 mm Alu	830-150-S
CDS® stabiliser 24 mm Alu	830-100-S
CDS® Adapter stabiliser 16 mm VA	830-280-S
CDS® Adapter stabiliser 20 mm VA	830-260-S
CDS® Adapter stabiliser 24 mm VA	830-210-S
CDS® Adapter stabiliser 20 mm Alu	830-250-S
CDS® Adapter stabiliser 24 mm Alu	830-200-S

CDS® Nano Stabiliser

Nano stabilisers may be selected according to the chosen hinge.



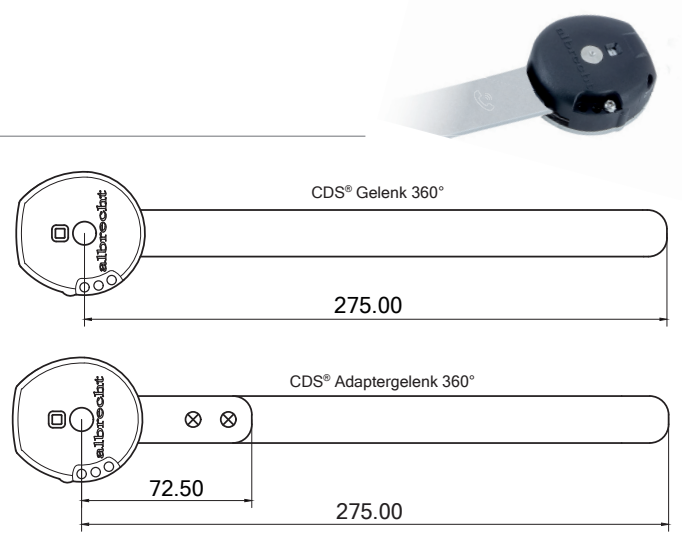
Stabiliser	Art.-No.
CDS® Nano stabiliser VA	830-195-S
CDS® Nano stabiliser V Anchor long VA	830-196-S
CDS® Nano stabiliser Alu	830-190-S
CDS® Nano Adapter stabiliser VA	830-295-S
CDS® Nano Adapter stabiliser Alu	830-290-S



CDS® Hinge 360°

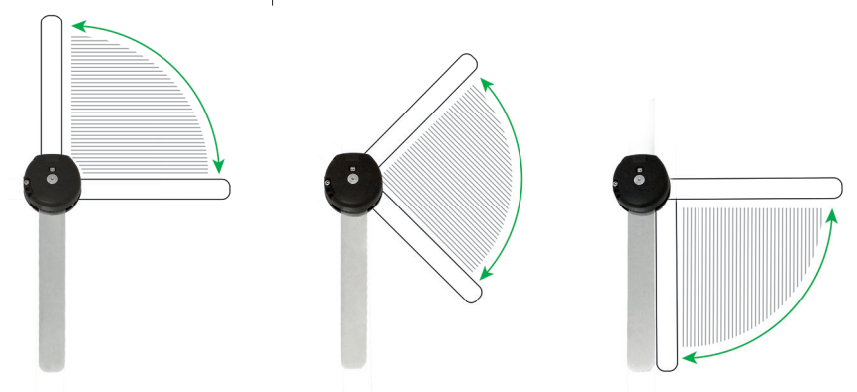
Features

- individual adjustment of the spring tension up to 5,2 Nm
- spring tension can be switched on and off without tools and without varying the tension setting
- range of motion can be limited
- immobilisation is possible



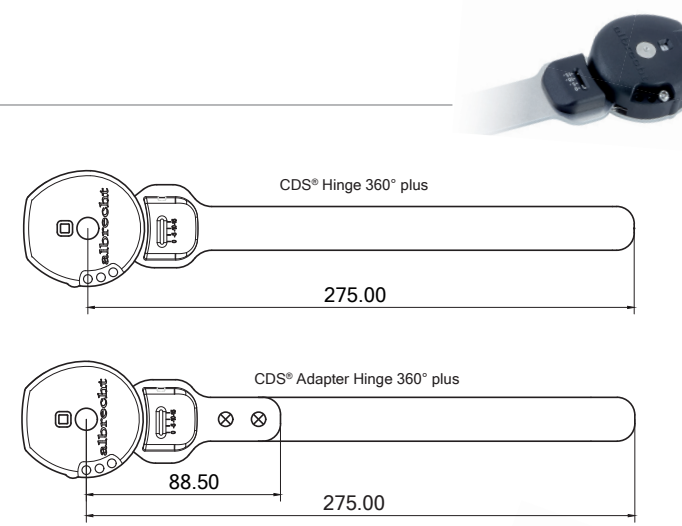
Hinge 360°

- the redression range may be adjusted in 15° increments
- 90° redression range can be positioned freely
- for therapy in extension and flexion
- for treatment of severe extension and flexion deficits



CDS® Hinge 360° plus

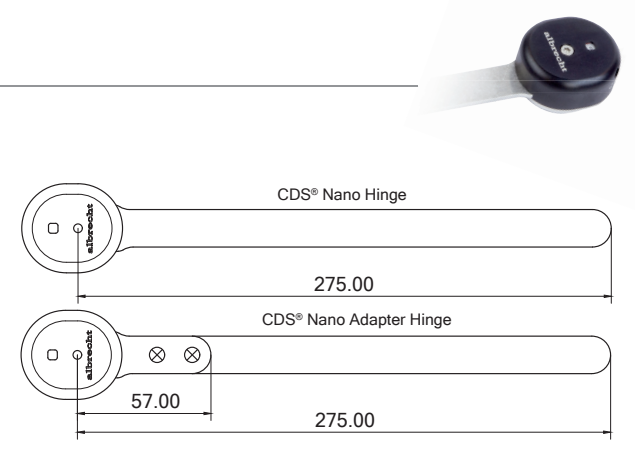
The PLUS hinges include a fine adjsutment option. Fine adjustment allows for the infinitely variable adjustment of the redressi-on range. The redression range may also be extended to -15° for hyperextension.



CDS® Nano Hinge

Features

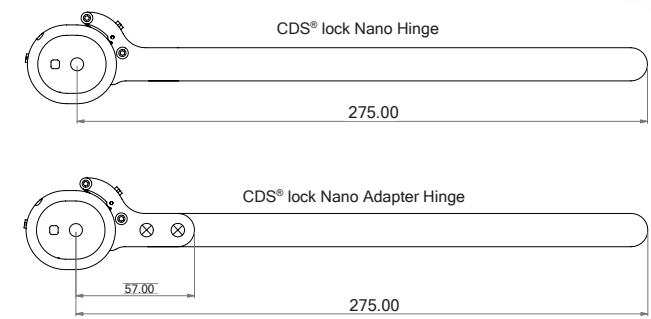
- individual adjustment of the spring tension up to 2,2 Nm
- spring tension can be switched on and off without tools and without varying the spring tension
- the redression range can be adjsuted in 10° increments



CDS® lock Nano Hinge

Features

- Dynamic CDS® lock Nano Hinge with self-locking mechanism
- Individually adjustable spring tension
- Max. Torque: 2.2 Nm
- spring tension can be switched on and off without tools and without varying the tension setting
- Adjustment of the redression range in 10° steps
- Position of the redression range of 90° selectable via adjustable hinge side bar
- Load-bearing construction
- Quick activation/deactivation of the lock without effort directly on the hinge

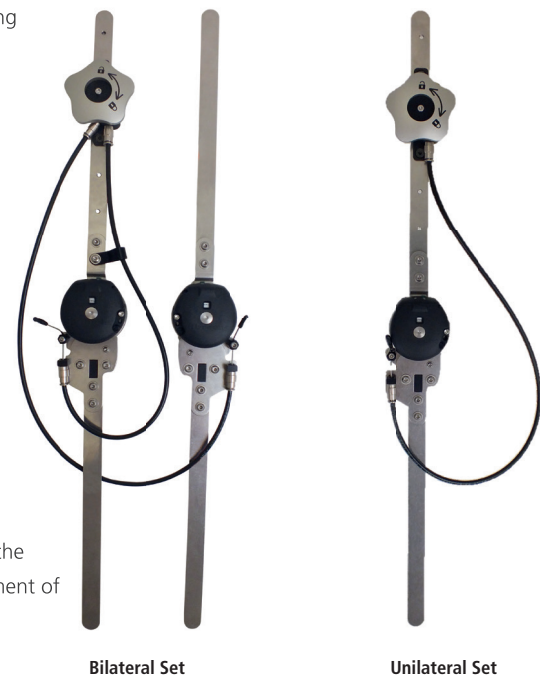


- Adjustable angle position of the lock
- Adjustable "freewheel" mode

CDS® lock INDIVIDUAL Sets

Features

- Dynamic CDS® lock INDIVIDUAL Hinge Set with self-locking mechanism for standing therapy
- Available in unilateral and bilateral set
- Hinge features like CDS® Hinge 360° (max. torque 5.2 Nm)
- Mechanical remote control of the lock via Bowden cables and star grip
- Individual positioning of the star grip
- Quick activation / deactivation of the lock without effort
- Simple and tool-free handling
- One-handed control of the lock
- Adjustable angle position of the lock
- Load-bearing construction
- "Freewheel" mode enables walking shorter transfer distances and use in walking therapy
- Alignment Set and installation aids:
Separately available positioning aids and a pouring dummy, in combination with the existing CDS® Alignment Set, enable precise installation and synchronized movement of the hinges.



CDS® Hybrid Hinge

Features

- Optimized for orthoses from additive manufacturing
- Individually adjustable spring tension, max. torque 5.2 Nm
- spring tension can be switched on and off without tools and without varying the tension setting
- Limitation of the range of motion possible (extension stop)
- Adjustment of the redression range in 5° steps
- Position of the redression range of 90° selectable via adjustable joint adapter
- Hexagon for optimum force transmission between hinge and printed holder
- On request, the hinge can be provided as an STL file for construction purposes

CDS® Hybrid Hinge	Art.No. left	Art.-No. right
CDS® Hybrid Hinge 20mm Alu	811-910-S	811-911-S



CDS® Nano Hybrid Hinge

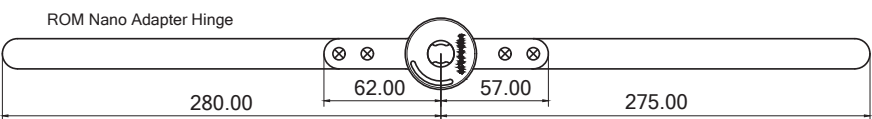
Features

- optimised for additive manufacturing
- hexagon base for better grip
- STL-data file available upon request



CDS® Nano Hybrid Hinge	Art.-No. left	Art.-No. right
CDS® Nano Hybrid Hinge 16 mm Alu	811-900-S	811-901-S

ROM Nano Adapter Hinge



Features

- limits may be adjusted without tools
- extension limti may be adjusted between -10° and 100° in 10° increments
- flexion limits may be adjusted between 0° and 130° in 10° increments
- immobilisation is possible between -10° and 100° in 10° increments

ROM Nano Adapter Hinge	Art.No. left	Art.-No. right
ROM Nano Adapter hinge VA	811-110-S	811-111-S
ROM Nano Adapter hinge Alu	811-100-S	811-101-S



CDS® Mikro Hinge

Features

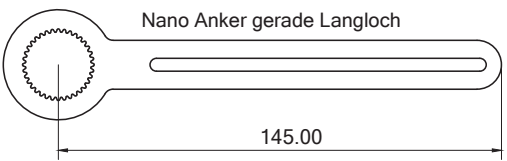
- individual adjustment of the spring tension
- Max. torque: 0,43 Nm

CDS® Mikro hinge	Art.-No.
CDS® Mikro hinge	840-500-S



CDS® Nano Anchor straight slot

CDS® Nano Anchor straight slot	Art.No.
CDS® Nano Anchor straight 16 mm slot VA	813-165-S
CDS® Nano Anchor straight 16 mm slot Alu	813-175-S



Hand Piece Nano

Hand piece	Art.No. left	Art.-No. right
Hand piece L plus width 10 cm	827LN-PL	827LN-PR
Hand piece L width 10 cm	827LN-L	827LN-R
Hand piece M width 8 cm	827MN-L	827MN-R
Hand piece S width 6 cm	827SN-L	827SN-R

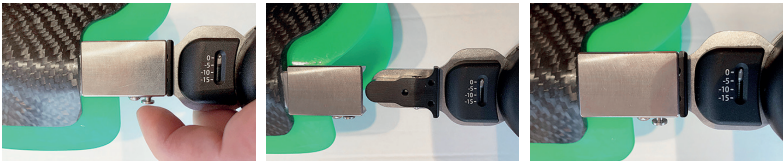


Coniungi

Connecting unit for quick disconnection and re-connection of two components.

Disconnect Coniungi:

Pull the elements apart while pushing the bolt.



Reconnect Coniungi:

Push the elements into one another.

Coniungi with connecting rod

connecting unit Coniungi	Art.-No.
connecting unit Coniungi 16 mm	814-100-S
connecting unit Coniungi 24 mm	814-120-S



connecting unit Coniungi with rod	Art.-No.
connecting unit Coniungi with rod 16 mm	814-300-S
connecting unit Coniungi with rod 24 mm	814-320-S