



Ulna Shortening and Radius Reconstruction System

In the field of hand surgery we not only offer you solutions for standard restorations, but also products for unusual and difficult situations. We therefore regard ourselves as being a true highly specialized partner in all matters relating to hand surgery with our intelligent system solutions.

Recos[®] Ulna Shortening and Radius Reconstruction System

Radial fractures are frequently followed by postoperative malalignment that can lead to loss of strength as well as pain. Moreover, the length ratio between the ulna and the radius might have been adversely affected by the intervention, although such dysbalance may also be a genetic condition.

Surgical radius reconstruction and ulna shortening can both be achieved by plate osteosynthesis.

With Recos[®], we have succeeded in uniting these two corrective osteotomies in a single system. The plates are fixed using our proven smartDrive[®] screws. Only a handful of instruments are required for this application.

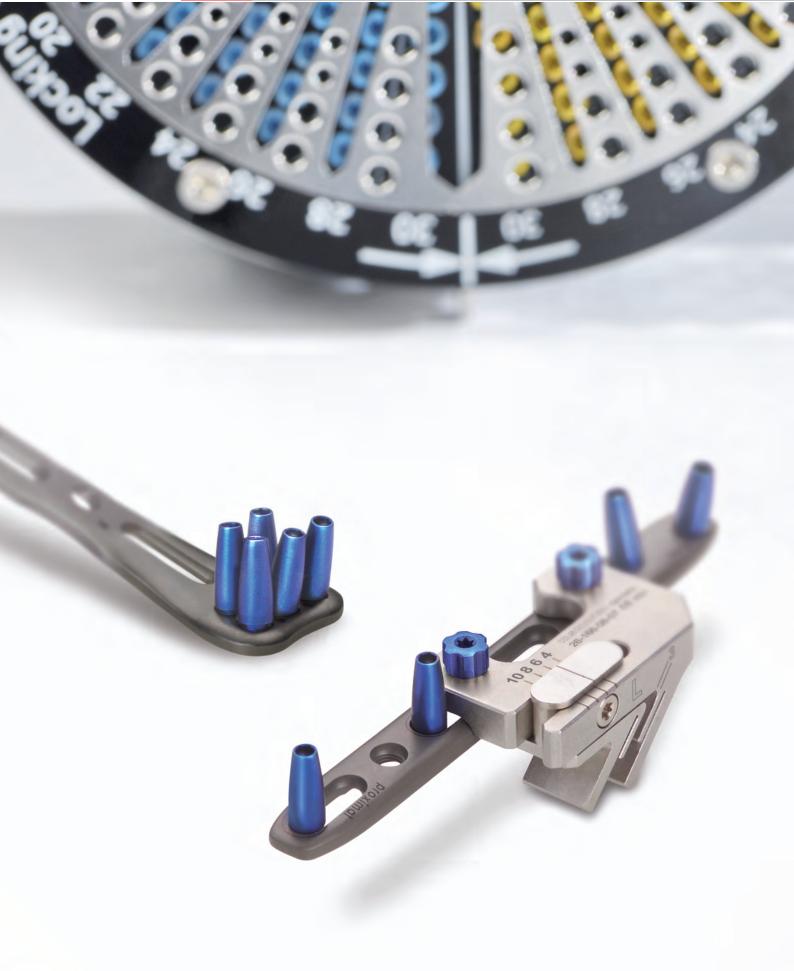
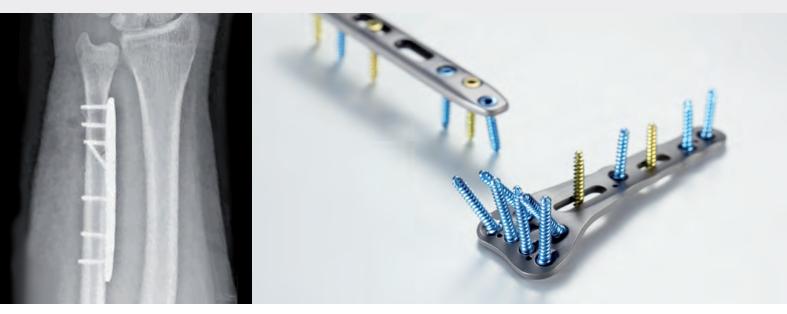


Table of contents

	Pages
Recos® – product features	6-9
ndications and surgical techniques	10-29
 Ulna shortening 	
Treatment with a palmar 7-hole plate	10-21
 Radius reconstruction 	
Treatment with a palmar watershed-line plate	22-29
he product range	
Recos [®] implants	30-35
Recos [®] instruments	36-41
Recos [®] storage system	42-43

Design: implants

Feature, Function and Benefit



The Recos[®] plates come in an anatomical design for best possible reconstruction results. For example, the distal holes of the radius reconstruction plate have been arranged so that, thanks to the high stability achieved by the plate, no bone chip is usually required any more. In the case of the ulna shortening plate, the combination of angled distal holes and elongated proximal holes allows you to anchor the system securely in the bone and achieve easy and rotation-stable closure of the osteotomy gap at the same time. All Recos[®] plates are finished with the Dotize[®] surface coating to achieve, among other things, maximum stability with a minimized plate geometry.

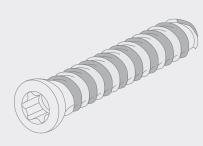
Our range of smartDrive[®] screws provides you with standard as well as locking screws featuring double threads to cut the screw-in time by half. Besides, all screws come with an atraumatic tip. The offer is rounded off by screws with a diameter of 2.5 mm and 3.0 mm, which are available in 1-mm increments across the crucial range of lengths.

All screws are color-coded for easy use: Blue: locking smartDrive® screws Golden: standard smartDrive® screws

Recos[®] implants

	Features	Benefits
Recos [®] Ulna shortening plate	Pre-angled distal screw holes	Best possible anchorage in the bone
	 Two elongated holes for closing the osteotomy gap 	 Standardized, secure closure of osteotomy gaps up to 10 mm
	 Color-coded drill sleeves 	 Unambiguous use of the 2.0-mm smartDrive[®] core hole drill for smartDrive[®] screws Ø 2.5 mm
bobell	 Bridge plate with recess in the osteotomy zone 	 No contractions between saw blade and plate, safe transection of the periosteum
Recos® Radius reconstruction plate	 Anatomical, atraumatic plate geometry 	 Best possible embedding in soft tissue
<u>A</u> A	 Plate design and screw hole angulation specially adapted to the needs of radial corrections 	 Optimized distal reduction and support after the osteotomy thanks to ideal screw positioning
6.9 9 9	 Watershed-line concept 	 Enables extremely distal plate positioning
0.0	 Color-coded drill sleeves 	 Unambiguous use of the 2.0-mm smartDrive[®] core hole drill for smartDrive[®] screws Ø 2.5 mm

smartDrive[®] screws



- Atraumatic screw tip
- Atraumatic screw head
- Double thread, self-tapping
- T8 with self-retaining function

- Secure and soft tissue-friendly bicortical anchorage
- Maximum range of angulation without causing any soft tissue irritation
- Cuts screw-in time by 50%
- Easy screw pick-up, screw-in, tightening or removal

Feature, Function and Benefit

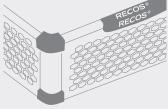


The KLS Martin Group is committed to providing users with instruments that can be handled most easily and efficiently. Therefore, the reconstruction system comprises just a handful of instruments. No more is required because this instrumentation has been specially adapted to the specific needs of reconstruction.

In addition to easy handling, the requirements of sterile processing were given top priority in designing the storage system.

Recos[®] instruments and storage system

	Features	Benefits
Instruments	 Color-coded instruments smartDrive® Ø 2.5 mm (purple) smartDrive® Ø 3.0 mm (orange) 	 For easy identification of the respective instruments Coord tootile foodback
Sum Ha	 Single-part instruments with ergonomically shaped silicone handles 	 Good tactile feedback, no parts that could get lost, no play in the coupling
Instruments for		
ulna shortening	 Plate can be fitted with side-specific saw guides that are infinitely adjustable across a range of 3–10 mm 	 Enables an exactly parallel osteotomy to prevent correction loss
	 Angled compression forceps with diamond-coated pin 	 Facilitates closing the osteotomy gap and allows maintaining the compression during screw insertion
Storage		
	 Stainless steel storage tray in honeycomb design combined 	 High stability, but low weight
DECOS®	with high-performance plastic	 Good rinsing results due to



- The instruments are arranged in the sequence of use during the surgical procedure

- large openings
- No water residues
- For easy and efficient instrumentation

Step by Step to optimal Fixation

Indications

Recos[®] implants are used for correcting posttraumatic or genetic malalignment and/or differences in length of the radius or ulna.



Ulna shortening

Ulnar impaction syndrome



Radius reconstruction

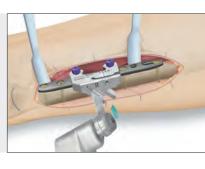
 Palmar corrective osteotomy following malunited radial fracture



Surgical Techniques

Ulna shortening Treatment with palmar 7-hole plate Prof. Krimmer, Dr. Leixnering

Pages 12-21



Radius reconstruction Treatment with a palmar watershed-line plate

Pages 22-29





Preoperative planning

The ulnar impaction syndrome should be assessed using standard X-rays taken in the A/P and lateral planes, with the wrist in neutral position. It is recommended to take an additional X-ray under load with the fist closed against resistance.



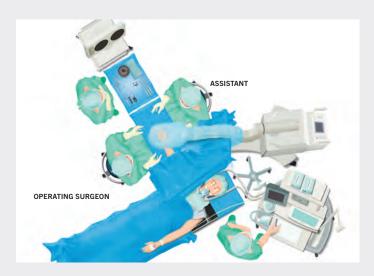
NSTRUMENTS

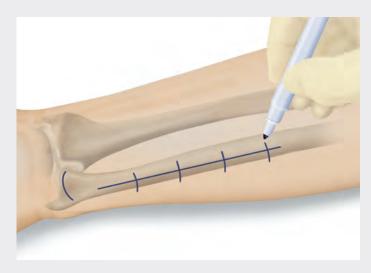
ASSISTANT

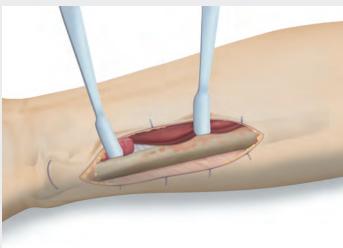
Patient positioning

The patient is placed on the back. The hand that requires surgery is placed on the extension table in full supination position of the forearm and under tourniquet control.

Alternately, before the operation commences the X-ray image converter can be covered with sterile drapes and positioned opposite the operating surgeon so it no longer has to be repositioned between the surgical steps. Once the exact setting has been selected it is thus maintained and reduces the radiation dose for the patient and operating surgeon. For certain indications the use of a horizontal hand extension device can be helpful.





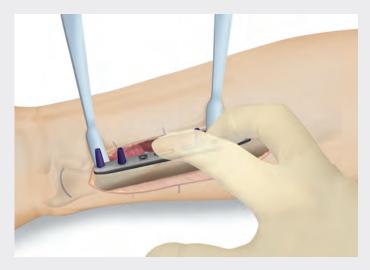


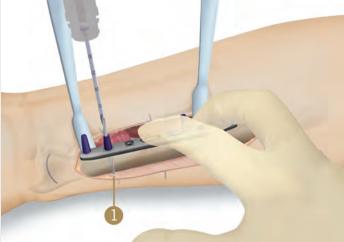
1. Ulnopalmar approach

A skin incision with a length of approx. 9-11 cm is made along the distal ulna. The ulnopalmar approach provides for secure postoperative soft tissue coverage of the plate.

2. Exposure of the ulna

The incision is continued between the flexor and extensor muscles through the intermuscular septum. This is followed by exposure of the ulna, with the quadrate pronator muscle being carefully pushed off the ulna on the distal side.





3. Positioning the plate

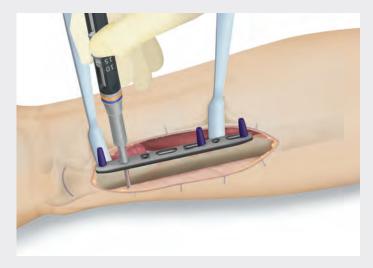
The plate is placed as far distally as possible, just below the ulnar head, at the inner edge of the ulna on the palmar side of the available surface. The plate is lettered (distal/proximal) for secure fixation.

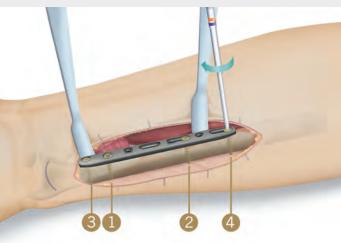
4. Drilling holes

The first core hole (\emptyset 2.0 mm) is drilled for a smartDrive[®] standard screw \emptyset 2.5 mm as illustrated (1). To ensure safe and easy drilling, the screw holes to be filled initially are already provided with drill sleeves that match the screw diameter of 2.5 mm (purple).



Core hole drill AO fitting Ø 2.0 mm





5. Determining screw length

Prior to determining the length of the screw, the premounted drill sleeves must be removed using the screwdriver.

The correct screw length is determined with the depth gauge. This is done with the plate applied to the bone.

Note:

Depending on individual preference, users can choose between the classic and the single-hand depth gauge.

6. Inserting the screws

To fix the plate to the bone, the first four holes are filled with 2.5-mm smartDrive[®] standard screws of the measured length.

We recommend inserting the screws in the sequence shown above.

Note:

If bone quality is inferior, 3.0 mm dia. smartDrive[®] screws can also be used. In such a case, use one of the 3.0 drill guides, or alternately the sterile-packed screw-on 3.0 drill sleeves.





Depth gauge single-hand principle

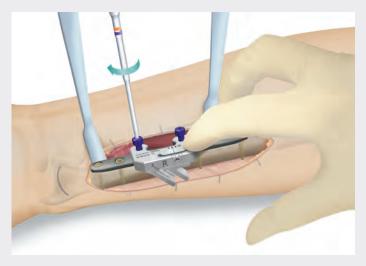
Depth gauge AO principle

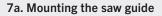


T8 screwdriver



T8 screwdriver





The side-specific saw guide is mounted according to the marking provided on the plate, using the third distal hole and the distal end of the central elongated hole. To facilitate the process, the screwdriver can be used.

Note:

First, the distal screw is lightly driven into the circular hole but not tightened. As a result, the proximal screw can find its way in the elongated hole more easily. As soon as the two screws have gripped, first the proximal screw and then the distal screw can be finally tightened.



7b. Mounting the saw guide

The desired shortening can be set continuously on the saw guide in advance using the screwdriver. The set value is exactly identical with the actual shortening to be achieved.





T8 screwdriver

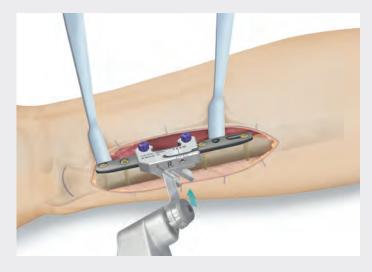
Saw guides





T8 screwdriver

Saw guides



8. Osteotomy

The saw guide ensures a parallel osteotomy directly below the distal elongated hole.

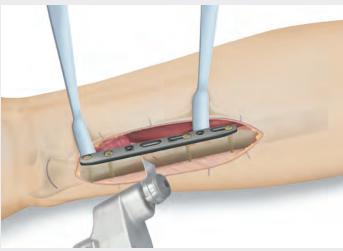
To ensure a safe and precise osteotomy as defined, the sawblade must have the following dimensions:

- Cutting width (thickness): max. 0.65 mm
- Width of working blade: 15 mm
- Length: 35 40 mm

It is recommended to cut through the bone but leaving the palmar-side cortical bone directly underneath the plate intact for the time being.

Note:

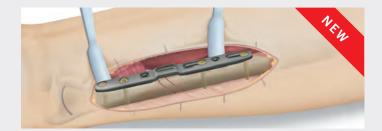
To achieve best results, a powerful motor system and a new sawblade should always be used.



9. Final osteotomy

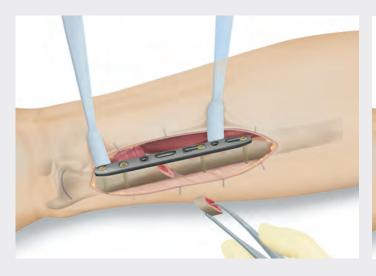
The final osteotomy is performed under visual control after removing the saw guide.

To perform the osteotomy without contractions between the saw blade and the mounted plate and to safely transect the periosteum, the Recos[®] bridge plate (26-166-75-09) can be used, which has a recess in the osteotomy zone.





Saw guides



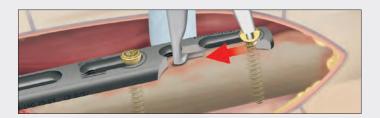


The corticocancellous bone chip can now be removed with a pair of forceps.

11a. Closing the osteotomy

To close the osteotomy gap, the two proximal standard screws are loosened by half a turn and the compression forceps are then applied.

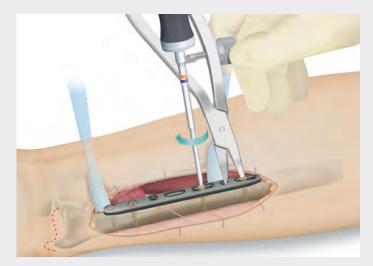
Compression forceps are available in two versions left and right. This prevents collision with the screwdriver when tightening the screws.

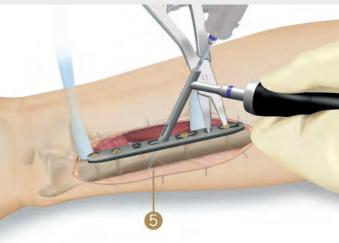


When applying the forceps, the hook engages with the groove of the proximal elongated hole while the diamond-coated pin engages with the head of the screw inserted into the proximal gliding hole.



Compression forceps





11b. Closing the osteotomy

Once the osteotomy gap has been closed with the compression forceps, the final position is fixed with the knurled screw.

Now the standard screw in the second proximal elongated hole can be securely tightened while leaving the compression forceps in place (see illustration).

If the lag screw technique (see 12) is used to compress the osteotomy gap, the standard screw in the second proximal elongated hole is tightened just a little.

12a. Implantation of a lag screw

The distal elongated hole (5) can be filled with a lag screw.

This requires a hole to be drilled orthogonally to the osteotomy gap using the 2.0-mm smartDrive® core hole drill.

The smartDrive[®] gliding hole drill \emptyset 2.5 mm is then used to drill all the way to the osteotomy line.

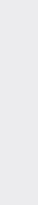




Compression forceps

T8 screwdriver

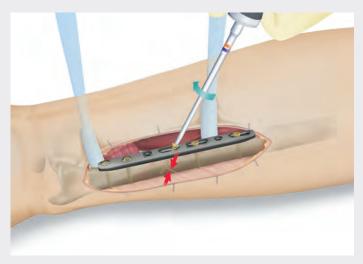


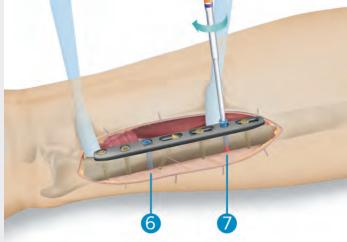




Compression forceps

Core hole drill AO fitting Ø 2.0 mm Gliding hole drill AO fitting Ø 2.5 mm





12b. Implantation of a lag screw

A 2.5-mm smartDrive[®] standard screw can now be implanted as a lag screw.

Immediately afterwards, the screws of the proximal elongated holes are tightened.

Note:

Screw tightening is done from inside to outside, starting with the one closest to the osteotomy.

13. Final fixation

To ensure multidirectional stabilization, the two remaining holes (6, 7) are now filled with standard or locking smartDrive[®] screws. Locking screws are usually used (see illustration).



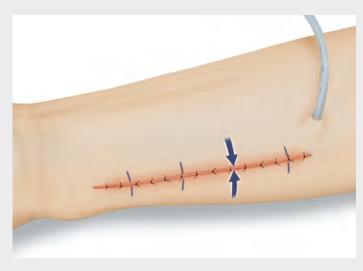
T8 screwdriver

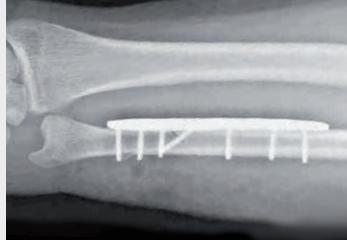




T8 screwdriver

Core hole drill AO fitting Ø 2.0 mm





14. Closing the wound

Following wound irrigation and cleaning, the capsular and ligamental structures are carefully restored.

Postoperative treatment

Following skin closure, a final X-ray is taken.

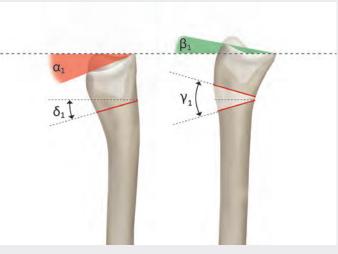
After that a sterile dressing and a dorsal forearm splint can be applied for 4 weeks.



1. Preoperative planning for correction osteotomy

Healed distal radius fracture with posterior displacement

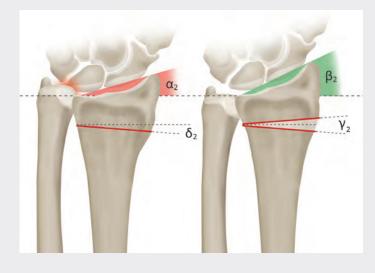
Radiographic example of distal fracture of the radius with shortening and posterior displacement. Note the clearly evident erosion of the lunate resulting from the traumatic ulnar impaction syndrome.



2. Correction of the posterior displacement

Dorsopalmar angle		
Present situation:	α1	-22°
Objective:	β1	10°
\rightarrow angle of correction:	γ1	32°
→ angle bisector:	δ 1	16°

To determine the desired position of the joint take the posterior displacement of the radial joint surface from the lateral radiograph and compare it with its palmar inclination on the healthy side. The angle of correction (here: 32°) is the sum of the posterior displacement and the desired palmar inclination. It is best if the planned osteotomy angle (here: 16°) corresponds with the bisector of the correction angle. If possible, the osteotomy should follow the course of the original fracture line.



3. Correcting the ulnar inclination

Ulnar inclination

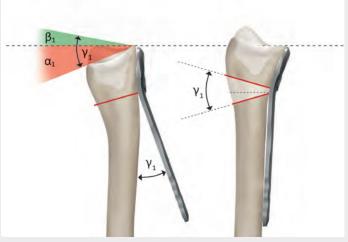
Present situation:	α2	16°
Objective:	β2	25°
\rightarrow angle of correction:	γ2	9°
→ angle bisector:	δ 2	4.5°

Take the desired ulnar inclination from the contralateral AP radiograph.

The angle of correction is the difference between the desired ulnar inclination and the flatted ulnar inclination on the injured side.

Here, too, the planned osteotomy angle best corresponds with the bisector of the correction angle.

In case of a bone graft its ulnar height is given by the ulnar variance (distance AB).

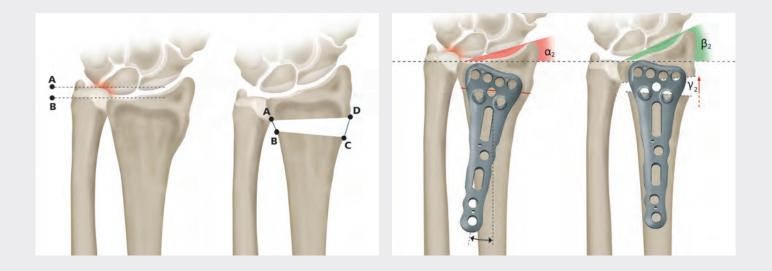


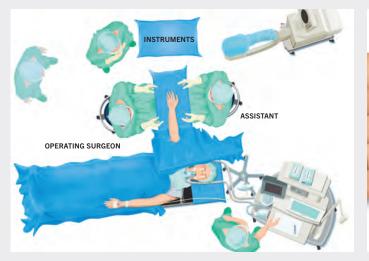
4. Implementing the planning

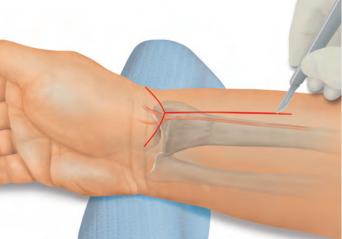
After distal fixation press the proximal shaft of the plate against the radius, thereby reducing the osteotomy.

Originally, the angle between the proximal shaft of the plate and the radial shaft is identical with the angle of displacement. Once the osteotomy opens to the desired joint position, the shaft of the plate will fully contact the radial shaft.

At the same time correct the ulnar inclination by aligning the shaft of the plate with the radial shaft. Under fluoroscopy check the correct adjustment of the radial length.







5. Positioning the patient

The patient is positioned supine on the operating table. Position the hand to be operated on on the extension table with the lower arm supine and apply a pneumatic tourniquet to the upper arm for arterial occlusion of the upper limb.

6. Radiopalmar access

Make a Y-shaped skin incision of about 7 cm over the distal radius. While its longitudinal axis should be over the radial artery, its ulnar branch should just reach the rasceta, with the radial branch reaching the second extensor tendon compartment.





Carry the dissection dorsal to the third extensor tendon compartment. Leave the branches of the superficial ramus of the radial nerve within the subcutaneous tissue.

Split open the first extensor tendon compartment and any subcompartments – if present – and partially or completely free the brachioradial tendon. Also open the second and third extensor tendon compartment.

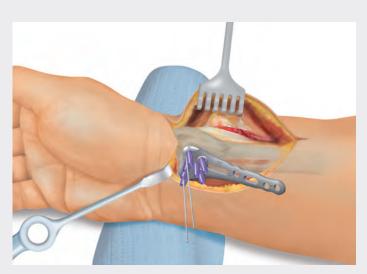
After opening the third extensor tendon compartment elevate the extensor pollicis longus tendon.

Dissect the radial artery and its concomitant veins such that they can be retracted ulnad. Bluntly dissect the flexor carpi radialis, flexor pollicis longus and any other muscles off the pronator quadratus, and with Langenbeck retractors retract them ulnad together with the radial artery. This frees up the pronator quadratus muscle.



8. Exposing the radius

Once the distal palmar radius has been exposed, bluntly dissect the pronator quadratus muscle ulnad off the radius. Incise the pronator quadratus at its radial margin and bluntly dissect it off the distal radius.

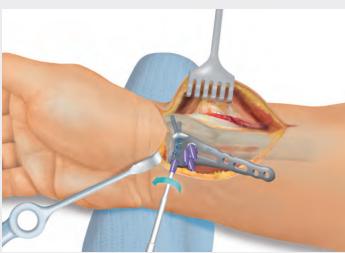


9. Positioning the plate

Position the plate distad of the planned osteotomy and once aligned fixate it with temporary Kirschner wires through the distal holes. Align the plate according to the preoperative planning. The shaft of the plate will not contact the radius. Check the plate position by fluoroscopy.

The temporary fixation with Kirschner wires allows easy correction of the plate position whenever needed.

First fixate the distal row of plate holes with screws (see fig. 10).



10. Distal plate fixation

Drill the first core holes (\emptyset 2.0 mm) for the fixed-angle smartDrive[®] screws (\emptyset 2.5 mm) and measure the screw length. For safe drilling and keeping the initial alignment drill the distal holes with drill guides matching the 2.5 mm screw diameter (violet).

Check with fluoroscopy.

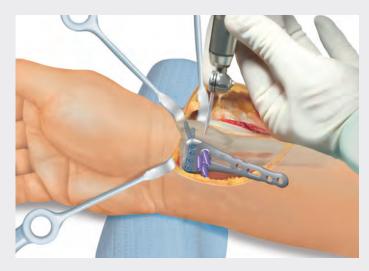


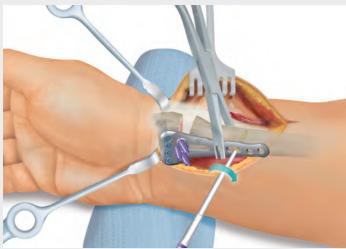


Recos® K-wire, Ø 1.2 mm, 120 mm

Core hole drill AO fitting Ø 2.0 mm Depth gauge single-hand principle

Depth gauge Screwdriver T8 AO principle





11. Performing the osteotomy

After inserting all screws in the first distal row mark the site of the planned osteotomy. It should be as close to the original fracture as possible, but at most at the level of the second distal row of screws.

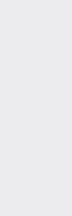
It is best to perform the osteotomy with the oscillating saw in both planes along the bisector of the planned angle of correction.

In most cases it is possible to osteotomize with the distal plate in contact with and fixated to the bone. Otherwise remove the plate for the osteotomy or loosen the distal screws so that the plate can be sufficiently elevated off the radius. By using the present distal screw holes when refixating the plate, this will avoid any loss of correction.

12. Repositioning the plate shaft and setting the radial length

Open the osteotomy gap with a distractor as in pseudarthrosis, position the shaft of the plate in contact with the radial shaft and temporarily secure it to the latter with two plate holding forceps. Now set the length of the radius.

After correctly positioning the plate along the long axis insert and lightly tighten a standard smartDrive[®] screw in the proximal slotted hole. The screw should be centered in the slotted hole. This allows for fine tuning the radial length.

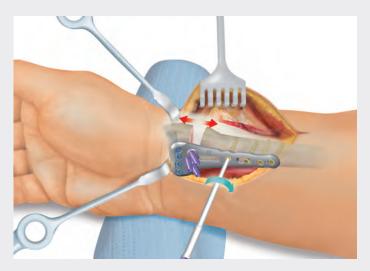


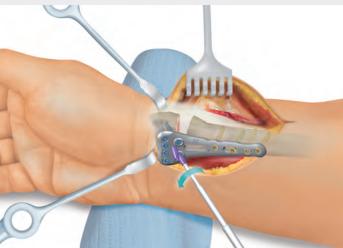


Core hole drill AO fitting Ø 2.0 mm

Depth gauge single-hand principle

Depth gauge T8 screwdriver A0 principle





13. Fixating the plate on the radial shaft

Once the correction has been completed fixate the plate to the radial shaft with standard smartDrive® screws.

14. Inserting the second row of screws

Now insert fixed-angle smartDrive[®] screws into the second distal row of holes.

The prealignment of these screw holes is such that they run from superopalmar to inferoposterior, with the screw tips precisely at the posterior aspect of the distal radial fragment because this will buttress the latter even more.

Optional: Bone graft transplantation

Harvest any optional bicortical bone chips, e.g., from the iliac crest, with the large iliac crest mill (23-190-06-07).



Core hole drill Dept AO fitting sing Ø 2.0 mm pri

Depth gauge D single-hand A principle

Depth gauge Screwdriver T8 AO principle Core hole drill AO fitting

Ø 2.0 mm



Depth gauge

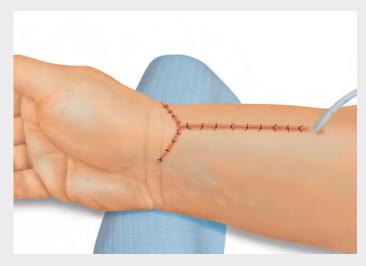
single-hand

principle



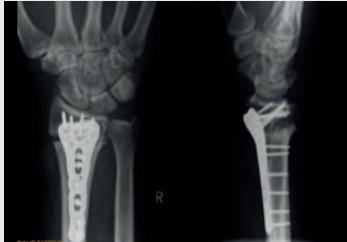
Depth gauge Screwdriver T8 AO principle

28



15. Wound closure

If so desired, readapt the pronator quadratus muscle over the plate to minimize any contact with the flexor tendons and muscles. After lavage and check for hemostasis place a stab wound Redon suction drain and close the wound with subcutaneous sutures and atraumatic skin sutures. Cover the closed wound with a sterile dressing and immobilize the lower arm and wrist with a cast also including the ulna.

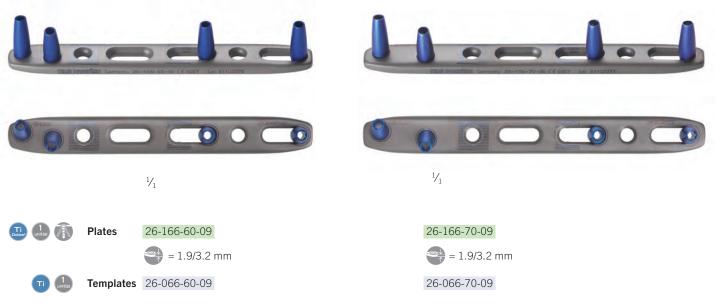


OR documentation

Once the correction has been completed document the result in the OR by fluoroscopy.

Recos[®] Implants Palmar Ulna Shortening Plates

Recos® ulna shortening 7-hole, short Length 80 mm Width 10 mm Recos® ulna shortening 7-hole, long Length 90 mm Width 10 mm





Recos[®] ulna shortening 7-hole, bridge plate, short Length 80 mm Width 10 mm

Recos[®] ulna shortening 7-hole, bridge plate, long Length 90 mm Width 10 mm



Recos[®] Implants Palmar Radius Reconstruction Plates

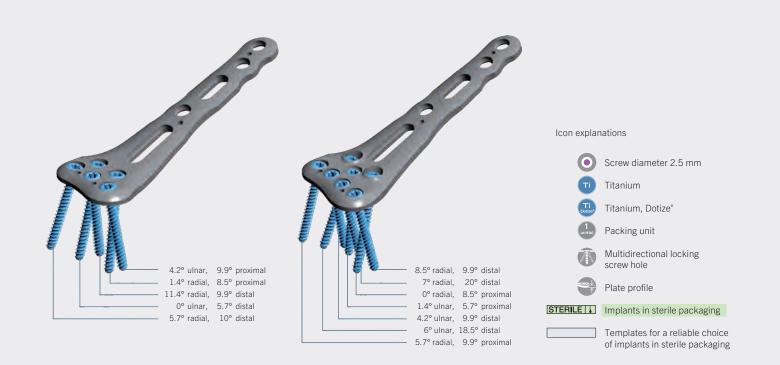
Recos® radius reconstruction 3/2-hole Length 70 mm Width 21 mm











Recos[®] radius reconstruction 4/3-hole

Length 70 mm Width 24 mm







Templates 26-066-40-09

Plates

Ti 1

Recos[®] Implants Screws

Screws Multidirectio locking screv Ø 2.5 mm O TI C Ito		
Length	Item No.	STERILE R
8 mm	26-905-08-09	26-905-08-71
9 mm	26-905-09-09	26-905-09-71
10 mm	26-905-10-09	26-905-10-71
11 mm	26-905-11-09	26-905-11-71
12 mm	26-905-12-09	26-905-12-71
13 mm	26-905-13-09	26-905-13-71
14 mm	26-905-14-09	26-905-14-71
15 mm	26-905-15-09	26-905-15-71
16 mm	26-905-16-09	26-905-16-71
17 mm	26-905-17-09	26-905-17-71
18 mm	26-905-18-09	26-905-18-71
19 mm	26-905-19-09	26-905-19-71
20 mm	26-905-20-09	26-905-20-71
22 mm	26-905-22-09	26-905-22-71
24 mm	26-905-24-09	26-905-24-71
26 mm	26-905-26-09	26-905-26-71
28 mm	26-905-28-09	26-905-28-71
30 mm	26-905-30-09	26-905-30-71

Screws Standard cortical screw Ø 2.5 mm	\mathcal{V}_1	
Length	Item No.	STERILE R
8 mm	26-906-08-09	26-906-08-71
9 mm	26-906-09-09	26-906-09-71
10 mm	26-906-10-09	26-906-10-71
11 mm	26-906-11-09	26-906-11-71
12 mm	26-906-12-09	26-906-12-71
13 mm	26-906-13-09	26-906-13-71
14 mm	26-906-14-09	26-906-14-71
15 mm	26-906-15-09	26-906-15-71
16 mm	26-906-16-09	26-906-16-71
17 mm	26-906-17-09	26-906-17-71
18 mm	26-906-18-09	26-906-18-71
19 mm	26-906-19-09	26-906-19-71
20 mm	26-906-20-09	26-906-20-71
22 mm	26-906-22-09	26-906-22-71
24 mm	26-906-24-09	26-906-24-71
26 mm	26-906-26-09	26-906-26-71
28 mm	26-906-28-09	26-906-28-71
30 mm	26-906-30-09	26-906-30-71



Screws Multidirection locking screw Ø 3.0 mm	
Length	Item No.
8 mm	26-908-08-09
9 mm	26-908-09-09
10 mm	26-908-10-09
11 mm	26-908-11-09
12 mm	26-908-12-09
13 mm	26-908-13-09
14 mm	26-908-14-09
15 mm	26-908-15-09
16 mm	26-908-16-09
17 mm	26-908-17-09
18 mm	26-908-18-09
19 mm	26-908-19-09
20 mm	26-908-20-09
22 mm	26-908-22-09
24 mm	26-908-24-09
26 mm	26-908-26-09
28 mm	26-908-28-09
30 mm	26-908-30-09

Screws Standard cortical screw Ø 3.0 mm	Υ ₁
Length	Item No.
8 mm	26-909-08-09
9 mm	26-909-09-09
10 mm	26-909-10-09
11 mm	26-909-11-09
12 mm	26-909-12-09
13 mm	26-909-13-09
14 mm	26-909-14-09
15 mm	26-909-15-09
16 mm	26-909-16-09
17 mm	26-909-17-09
18 mm	26-909-18-09
19 mm	26-909-19-09
20 mm	26-909-20-09
22 mm	26-909-22-09
24 mm	26-909-24-09
26 mm	26-909-26-09
28 mm	26-909-28-09
30 mm	26-909-30-09

Recos[®] Instruments

Standard instruments



26-166-25-07 Drill guide classic 13.5 cm / 5 ¼"



26-166-27-07 Drill guide monoaxial 13.5 cm / 5 ¼"





26-950-20-07 Core hole drill AO fitting Ø 2.0 mm 11 cm / 4 ¼"





26-166-21-07 Depth gauge single-hand principle 15 cm / 5 ¾"





Standard instruments



26-166-18-07 T8 screwdriver 18 cm / 7"





26-166-13-07 K-wire dispenser Ø 1.2 mm 17.5 cm / 6 ¾"

St 1

1/2

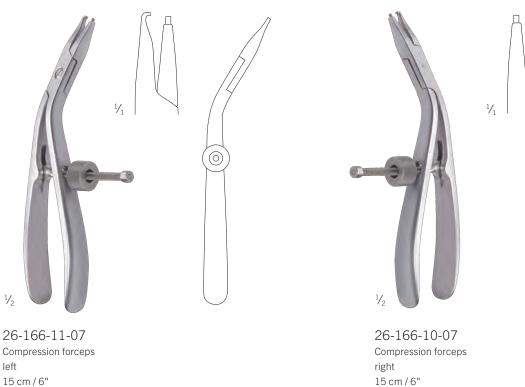
22-627-12-05 K-wires Ø 1.2 mm 12 cm / 4 ¾"



37

Recos[®] Instruments

Special instruments for ulna shortening





15 cm / 6" St 1

 \odot





Recos[®] Instruments

Optional Instruments



26-166-20-07 Depth gauge AO principle 15 cm / 5 ¾"





26-166-30-07 Drill guide classic 13.5 cm / 5 ¼"





26-166-32-07 Drill guide mono 13.5 cm / 5 ¼"



ı∕₁ **(**







26-166-19-07 T8 screwdriver rotary 19 cm / 7 ½"





Drill bits / sawblades



Screw	Ø	Non-sterile	STERILE
smartDrive®	2.5 mm 🧿		
Core hole	2.0 mm	26-950-20-07	26-950-21-07
Gliding hole	2.5 mm	26-950-25-07	26-950-26-07
smartDrive®	3.0 mm 🧿		
Core hole	2.5 mm	26-950-30-07	26-950-30-71
Gliding hole	3.0 mm	26-950-31-07	26-950-31-71



Fitting	STERILE
AO	26-166-15-71
Stryker	26-166-16-71
madriMed	26-166-17-71

Recos[®] Storage System

The Recos® storage system consists of various modules.

All instruments that are absolutely imperative for a surgery are stored separately in the instrument tray.

Optional instruments such as the instrument set required for smartDrive[®] screws \emptyset 3.0 mm can also be stored separately in the storage cage.

The double-sided circular screw rack additionally provides the opportunity to store locking and standard screws with a diameter of 3.0 mm. The circular screw rack can be stocked individually.



Storage system				
55-910-10-04	Storage set consisting of:	Storage set consisting of:		
	lid, instrument insert, storage ca	ge, circular screw rack Ø 2.5 mm,	single-sided	
55-910-11-04	Storage set consisting of:			
	lid, instrument insert, storage ca	ge, circular screw rack Ø 2.5/3.0 r	nm, double-sided	
55-910-59-04 Lid	55-910-13-04 Instrument insert	55-910-14-04 Storage cage	55-910-39-04 smartDrive® Ø 2.5 mm	55-910-12-04 smartDrive® Ø 2.5/3.0 mm

circular screw rack,

single-sided

1 unit(s)

55-910-12-04 smartDrive® Ø 2.5/3.0 mm circular screw rack, double-sided

1 unit(s)

Template storage

55-910-30-04	Storage set consisting of: storage ring, tag right
55-910-31-04	Storage set consisting of: storage ring, tag left



1 unit(s)

> 55-910-30-04 Storage ring, tag right



for storage system

1 unit(s)

> 55-910-31-04 Storage ring, tag left

1 unit(s) 1 unit(s)

KLS Martin Group

KLS Martin Australia Pty Ltd. Sydney · Australia Tel. +61 2 9439 5316 australia@klsmartin.com

Martin Italia S.r.I. Milan · Italy Tel. +39 039 605 67 31 italia@klsmartin.com

Martin Nederland/Marned B.V. Huizen · The Netherlands Tel. +31 35 523 45 38 nederland@klsmartin.com

KLS Martin UK Ltd. London · United Kingdom Tel. +44 1189 000 570 uk@klsmartin.com KLS Martin do Brasil Ltda. São Paulo · Brazil Tel. +55 11 3554 2299 brazil@klsmartin.com

Nippon Martin K.K. Tokyo · Japan Tel. +81 3 3814 1431 nippon@klsmartin.com

Gebrüder Martin GmbH & Co. KG Moscow · Russia Tel. +7 499 792-76-19 russia@klsmartin.com

KLS Martin LP

Jacksonville · Florida, USA Tel. +1 904 641 77 46 usa@klsmartin.com KLS Martin Medical (Shanghai) International Trading Co. Ltd. Shanghai · China Tel. +86 21 5820 6251 china@klsmartin.com

KLS Martin SE Asia Sdn. Bhd. Penang · Malaysia Tel. +604 505 7838 malaysia@klsmartin.com

KLS Martin Taiwan Ltd. Taipei · Taiwan Tel. +886 2 2325 3169 taiwan@klsmartin.com KLS Martin India Pvt Ltd. Chennai · India Tel. +91 44 66 442 300 india@klsmartin.com

KLS Martin de México S.A. de C.V. Mexico City · Mexico mexico@klsmartin.com

Gebrüder Martin GmbH & Co. KG Dubai · United Arab Emirates Tel. +971 4 454 16 55 middleeast@klsmartin.com

Gebrüder Martin GmbH & Co. KG A company of the KLS Martin Group KLS Martin Platz 1 · 78532 Tuttlingen · Germany P.O. Box 60 · 78501 Tuttlingen · Germany Tel. +49 7461 706-0 · Fax +49 7461 706-193 info@klsmartin.com · www.klsmartin.com

