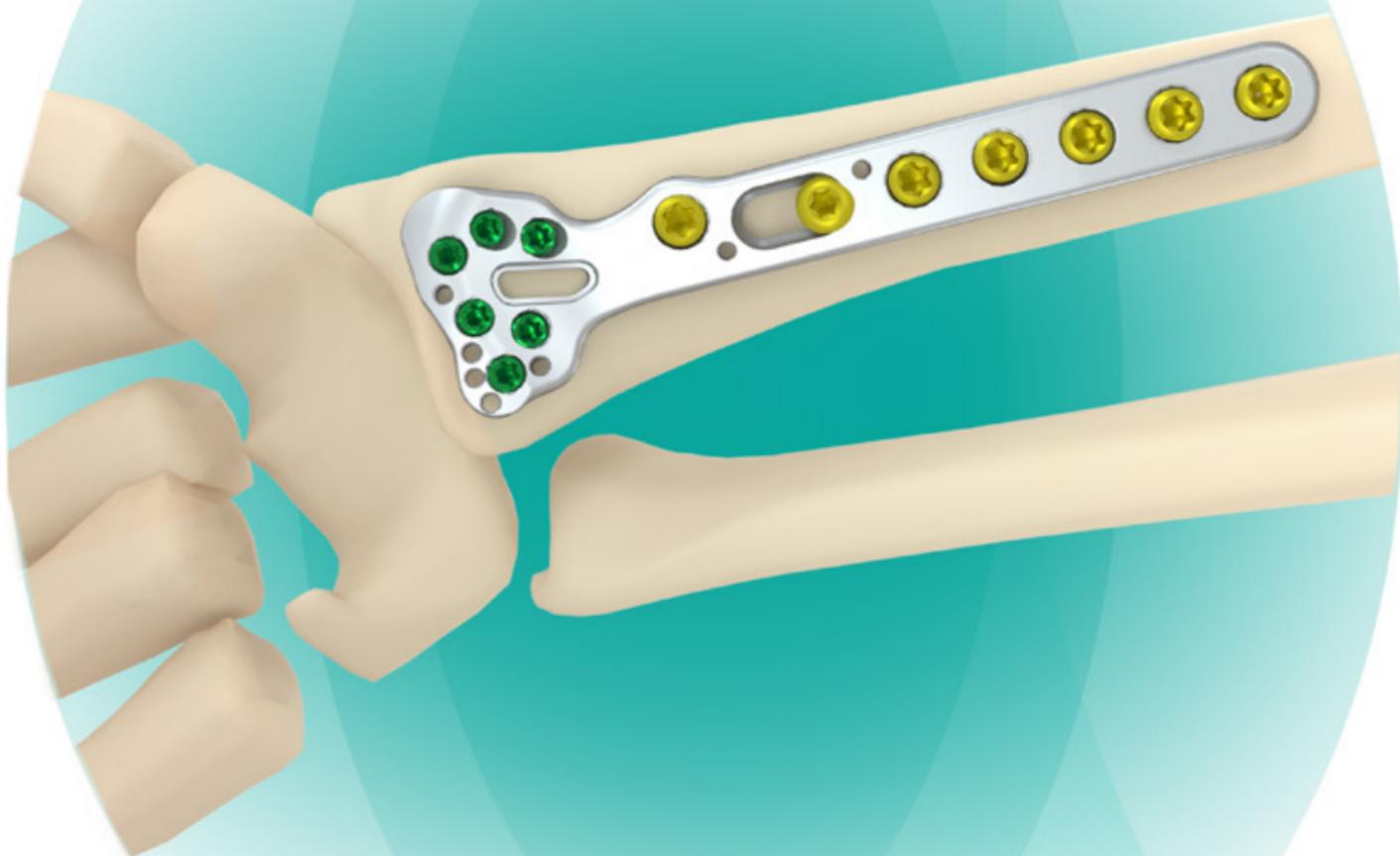


Distal Volar Radius Locking Plate I

Operation Manual



Why choose Fule?

Our strengths

- The company is a national high-tech enterprise integrating research and development, production and sales of medical devices, with a full intelligent processing equipment production line.
- The establishment of the Academician Expert Studio helps to enhance the R&D capabilities of Fule and further deepen the cooperation between industry, academia, and research; Approved postdoctoral research workstation.
- The hardware facilities are complete, the R&D team is excellent, and we work closely with clinical experts, obtaining more than 100 domestic and foreign patents.
- Based on the agent cooperation model, establish a nationwide sales and service network, supply products to nearly a thousand tertiary hospitals nationwide, and export to more than 20 overseas countries.



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Product Advantages

- Optimized and improved bone plate geometry
- Matching multi-angle screws
- Optimized bone plate placement technology
- Resolve complex dorsal, volar and intra-articular fractures
- Angled ulnar screws that support the subchondral bone



Instruction For Use

- **【indication】**
1. Indicated for fractures of the distalvolar radius.

Surgical Procedures

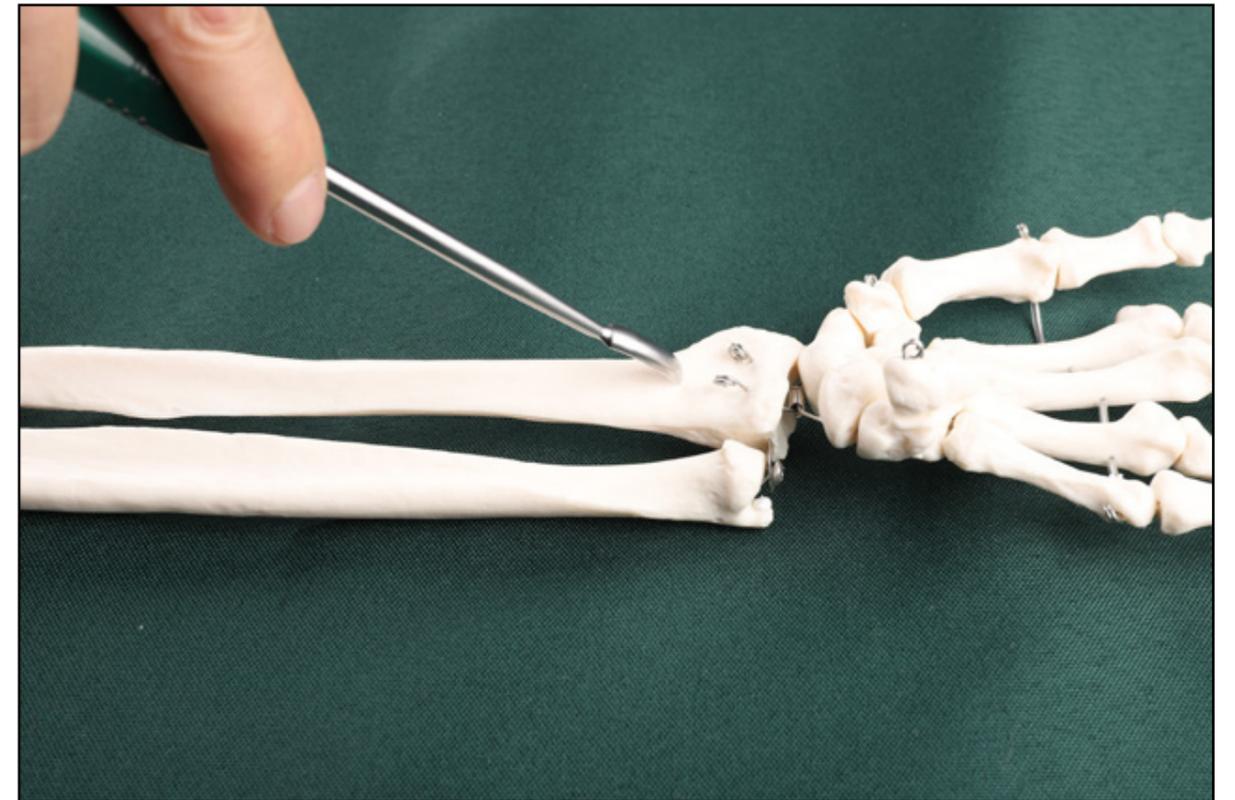
【Step1】 Incision

- Make an incision at the surgical site.
- Dissect the extraosseous soft tissues, retract, and expose the fracture.

Surgical Procedures

【Step2】 Periosteal detachment

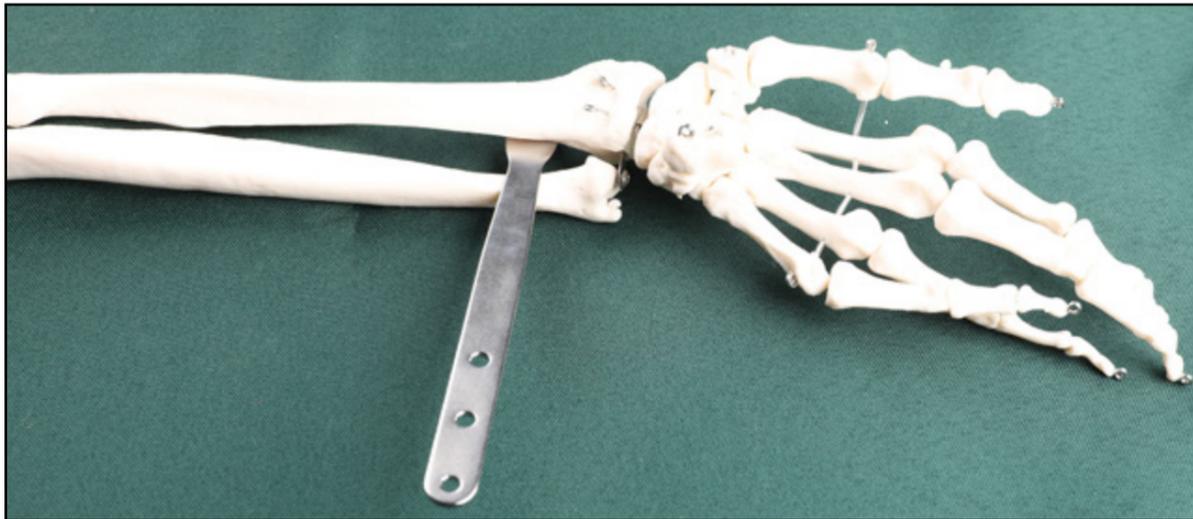
- Periosteal detachment
- Clearly expose the fracture.



Surgical procedure

【Step3】 Reduction

- Use tools such as Elevator and Reset Forcep to reduce the fracture end.



Surgical procedure

【Step4】 Preparing the plate

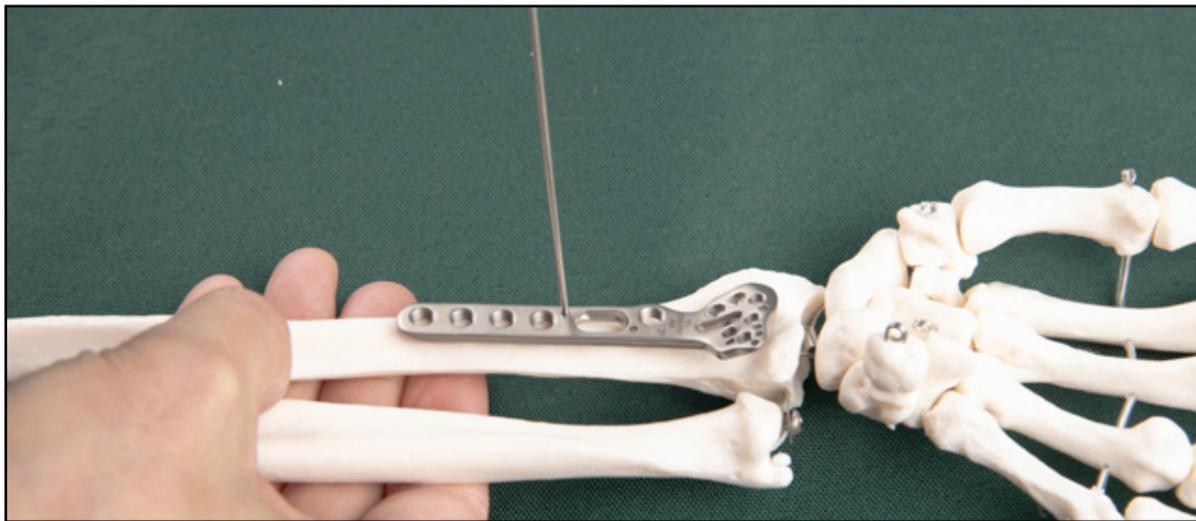
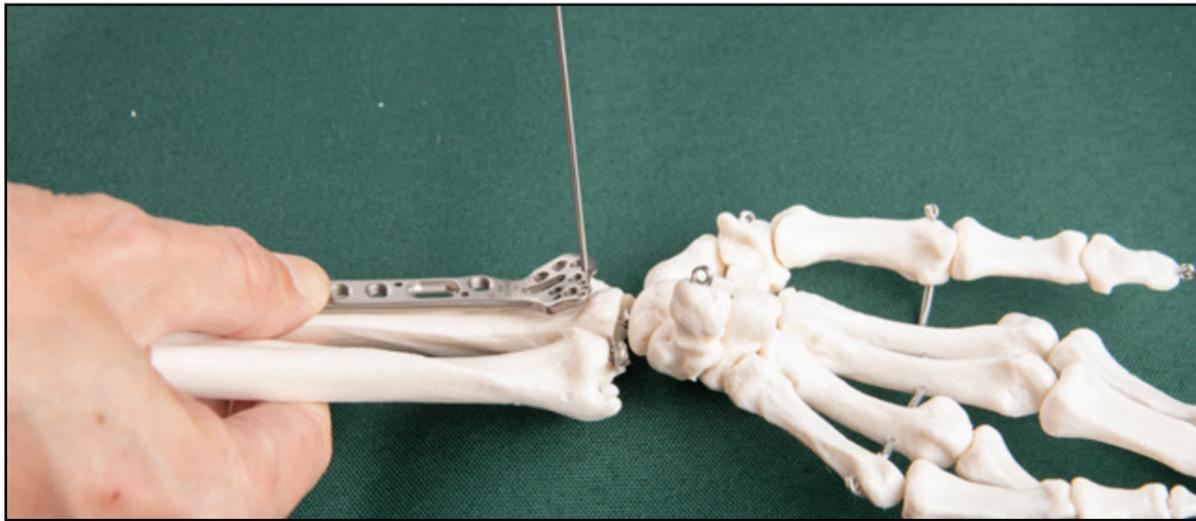
- Select the right plate.
- If necessary, use tools to shape the plate so that it fits the bone better.



Surgical Procedures

【Step5】 Temporary fixation

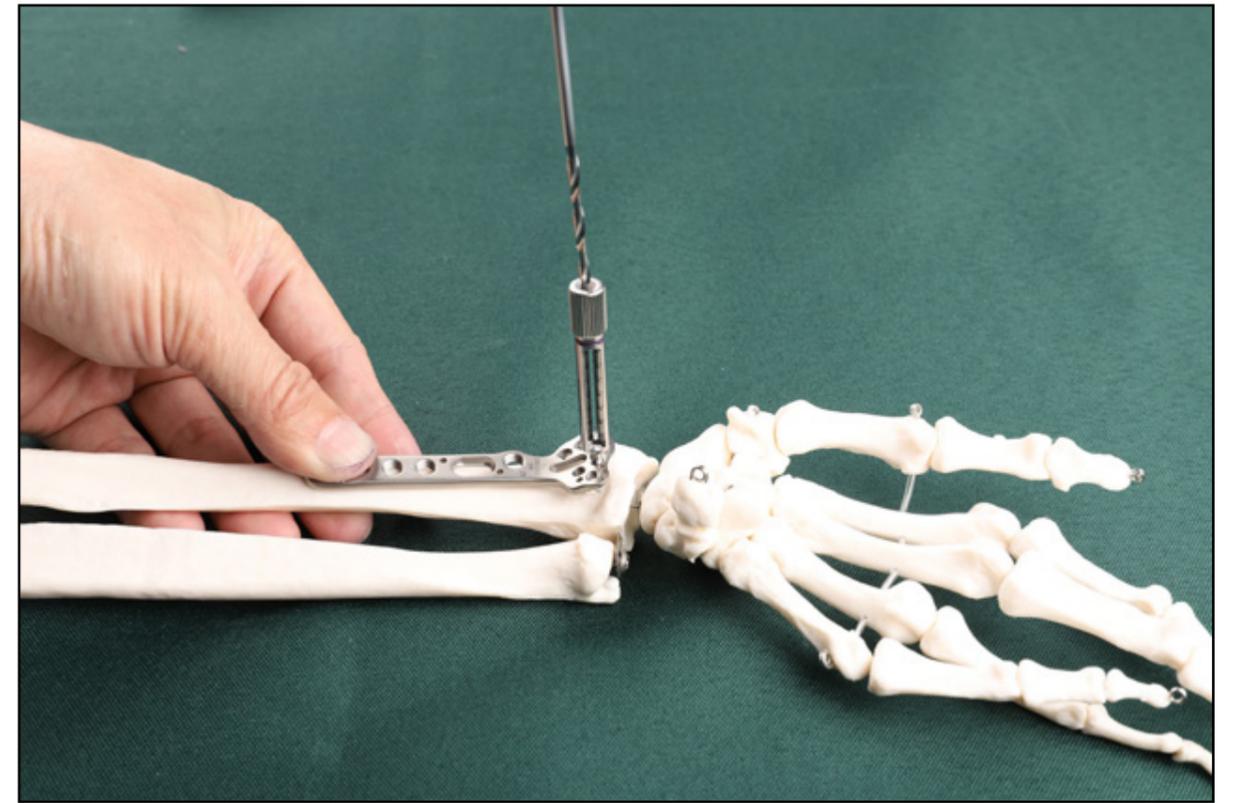
- Temporary fixation of plates and bones can be performed using Positioning Pin.



Surgical Procedures

【Step6】 Drilling

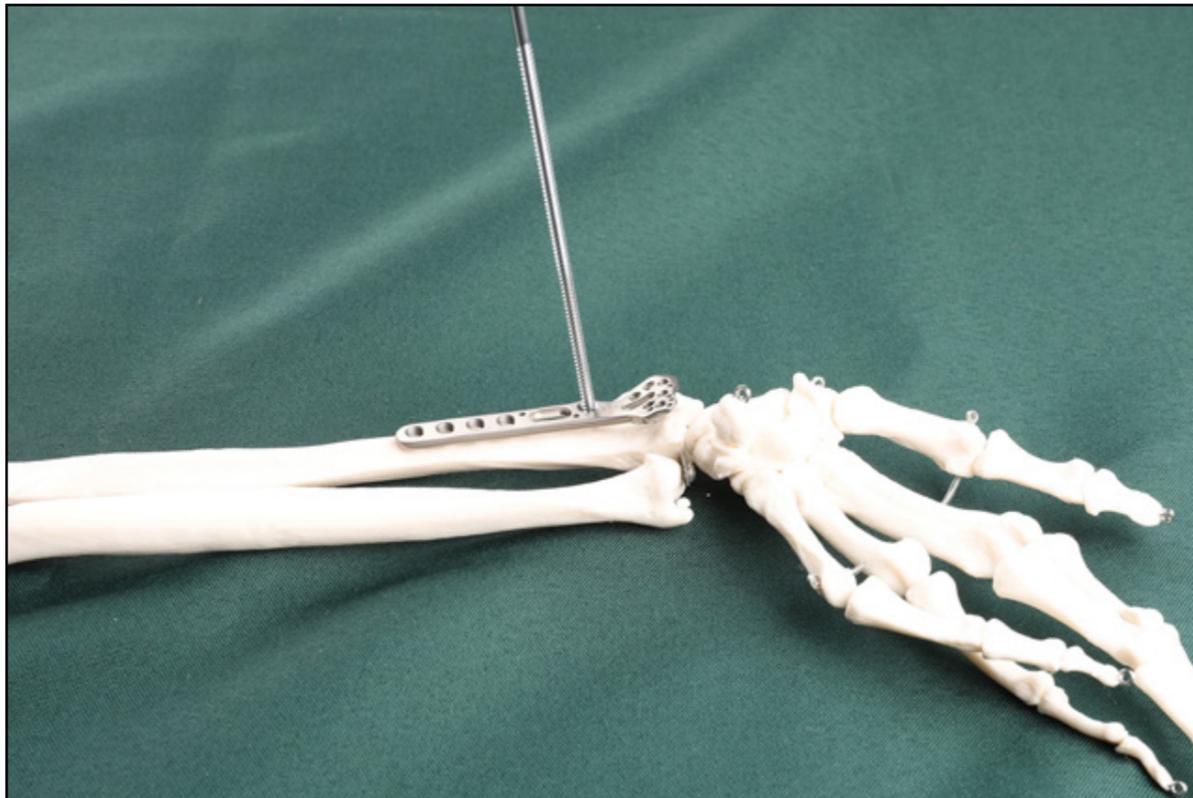
- Drill holes with drill.



Surgical Procedures

【Step7】 Tapping

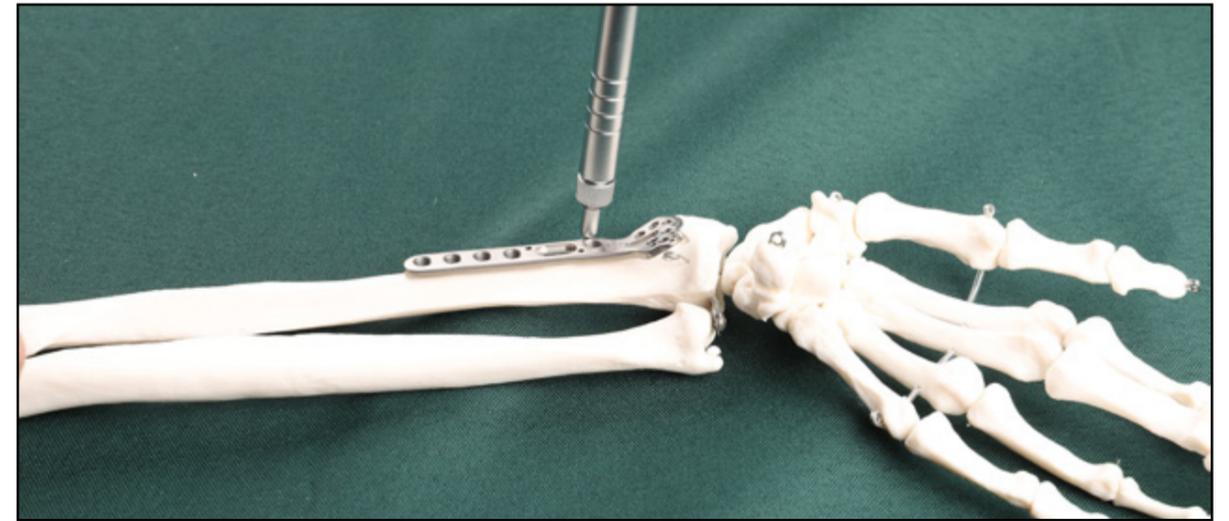
- Perform tapping using a tap.



Surgical Procedures

【Step8】 Measuring

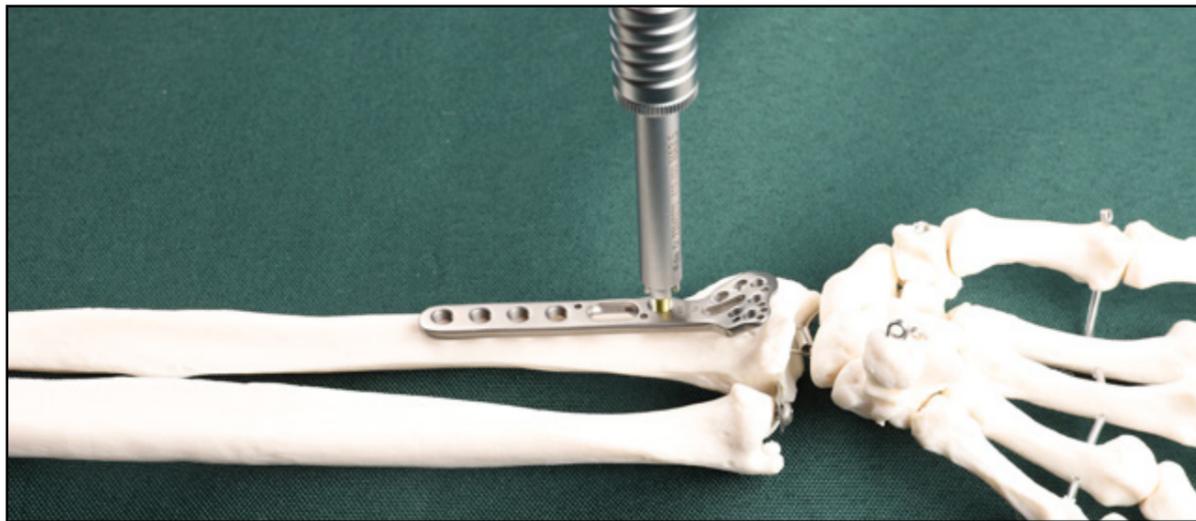
- Use a Depth Gauge to measure the screw length.



Surgical Procedures

【Step9】 Insert the screws

- Insert the screw using a matching wrench.



Surgical Procedures

【Step 10】 Locking

- After screwing in, use torque limiting wrench to finally lock.



Surgical Procedures

【Step8】

Suturing

- Remove the Positioning Pin.
- Confirm the fixation result under fluoroscopy.
- If satisfactory, irrigate and suture the wound.

Product Information

Distal Volar Radius Locking Plate II



head thickness	stem thickness	head width	stem width
1	2.5	21	9.5

Head: used with $\Phi 2.4/2.7$ mm locking screw, stem: used with $\Phi 3.5$ mm locking screw, $\Phi 3.5$ mm Ti-Screw, Used for distal radius fracture

Description	Length (mm)	Product Code
left 3 holes	51.5	4809103055
left 4holes	59.5	4809104060
left 5 holes	67.5	4809105068
left 6 holes	75.5	4809106076
left 7 holes	83.5	4809107084
left 8 holes	91.5	4809108092
right 3 holes	51.5	4809203055
right 4 holes	59.5	4809204060
right 5 holes	67.5	4809205068
right 6 holes	75.5	4809206076
right 7 holes	83.5	4809207084
right 8 holes	91.5	4809208092

Locking Screw (LCP $\Phi 2.4$)



Locking Screw (LCP $\Phi 3.5$)



Ti-Screw($\Phi 3.5$)



Surgical Instruments

2.4/2.7System Instrument Set(411-602)

No.	Name	Description	Product Code	Quantity	Icon	Remark
1	Bone Drill (III)	φ1.8	430-380	2		 2.4 锁定钉 (39306240XX) 2.4 Locking screw
2	Tap (IV)	LCP2.4	430-420	1		
3	Guide Device (LCPIV)	φ1.8	430-530	2		
4	Screw Holder(LCP II)	LCP2.4	411-215			
5	Guide Device (VA-LCP II)	φ1.8	430-550	2		
6	Guide Device (Polyaxial)	φ1.8	430-011	1		
7	Anti-torque Quick-Change Connector	0.8N·m	430-440	1		
8	Anti-torque wrench (Star)	0.8N·m	411-671			

2.4/2.7System Instrument Set(411-602)

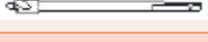
No.	Name	Description	Product Code	Quantity	Icon	Remark
9	Bone Drill (III)	φ2.0	430-321	2		 2.7 锁定螺钉 (39316270XX)  2.7 普通钉 (39256270XX)
10	Tap (IV)	HA2.7	430-430	1		
11	Tap (IV)	LCP2.7	430-421	1		
12	Guide Device (LCPIV)	φ2.0	430-540	2		
13	Guide Device (LC-DCP)	φ2.0/φ2.7	411-313	1		
14	Anti-torque Quick-Change Connector	1.2N·m	430-450	1		
15	Screw Holder (HA II)	HA2.7	411-217	1		
16	Anti-torque wrench (Star)	1.2N·m	411-672			

Surgical Instruments

2.4/2.7System Instrument Set(411-602)

No.	Name	Description	Product Code	Quantity	Icon	Remark
17	Screw Holder (HA II) Use of pediatric screw	HA2.7	411-216			 2.7 小儿钉 (35376270XX)
18	Guide Device (Polyaxial)	φ2.0	430-021	1		 2.7 万向钉 (39320270XX)
19	Guide Device (VA-LCP II)	φ2.0	430-551	2		
20	Wrench (Star screwdriver)	T8	430-400	2		2.4/2.7 General Instruments
21	Wrench (Star)	T8	430-650	1		
22	Quick-Change Handle (T Shaped II)	/	411-660	1		
23	Quick-Change Handle (Straight IV)	small	411-661	1		
24	Quick-Change Handle (Straight II)	/	411-172	1		

2.4/2.7System Instrument Set(411-602)

No.	Name	Description	Product Code	Quantity	Icon	Remark
25	Connector (II)	/	411-680	1		2.4/2.7 General Instruments
26	Positioning Pin (Thread I)	Φ1.2×150	411-650	3		
27	Positioning Pin (Thread I)	φ1.5×150	411-651	3		
28	Positioning Pin (Thread I)	Φ2.0×150	411-652	3		
29	Positioning Pin (Thread I)	Φ1.2×150	411-653	3		
30	Positioning Pin (Thread I)	φ1.5×150	411-654	3		
31	Positioning Pin (Thread I)	Φ2.0×150	411-655	3		
32	Depth Gauge(VIII)	/	430-051	1		
33	Countersink Drill	Φ4.0	430-491	1		
34	Screw Hole Cleaner (II)	/	411-610	1		

Surgical Instruments

2.4/2.7 System Instrument Set(411-602)

No.	Name	Description	Product Code	Quantity	Icon	Remark
35	Reset Forceps (IV)	small	430-700	2		2.4/2.7 General Purpose Devices
36	Reset Forceps (Bent I)	/	411-690	2		
37	Bending Clamp (I)	/	411-700	2		
38	Bone Hook(general)	/	411-730	2		
39	Periosteal Dissector (I)	3.0	411-074	1		
40	Periosteal Dissector (II)	6.5	430-261	1		
41	Elevator	6.5	411-640	2		
		8.5	411-641	2		
		15.5	411-644	2		
42	Clip-holding Forceps	small	411-131	1		

2.4/2.7 System Instrument Set(411-602)

No.	Name	Description	Product Code	Quantity	Icon	Remark
43	Positioning Pin (Bulb)	Φ1.6×150-10	411-710	4		
		Φ1.6×150-15	411-711	4		
		Φ1.6×150-20	411-712	4		
		Φ1.6×150-25	411-713	4		
		Φ1.6×150-30	411-714	4		
		Φ1.6×150-35	411-715	4		
		Φ1.6×150-40	411-716	4		
44	casing (I)	/	430-660	1		2.7 special use for the ankle
45	Compression Clamp (Bulb Pin)	/	411-720	1		
46	Stretch Clamp(Measurel)	/	430-131	1		2.7 special use for the ankle

2.4/2.7 System Instrument Set(411-602)

No.	Name	Description	Product Code	Quantity	Icon	Remark
47	Container (2.4/2.7system)		411-750	1		2.4/2.7general
48	Φ2.4/Φ2.7Screw box		430-691	1		

Surgical Instruments

3.5/4.0 System Instrument Set(419-302)

No.	Name	Description	Product Code	Quantity	Icon	Remark
1	Bone Drill (III)	Φ2.8×200	430-341	2		3.5 Locking screw
2	Positioning Device	Φ2.8	419-135	2		
3	Wrench (L Shaped Hex)	S=2.5	419-281	1		
4	Tap (IV)	LCP3.5	430-460	1		3.5 锁定螺钉 (39346350XX)
5	Guide Device (LCP I)	Φ2.8	430-560	2		
6	Screw Holder (LCP II)	LCP3.5	419-500			3.5 Polyaxial screw
7	Guide Device (Polyaxial)	φ2.8	430-101	1		
8	Guide Device (VA-LCP II)	φ2.8	430-552	2		3.5 万向螺钉 (39240350XX)

3.5/4.0 System Instrument Set(419-302)

No.	Name	Description	Product Code	Quantity	Icon	Remark
9	Bone Drill (I)	Φ2.5	430-331	2		3.5 Ti screw
10	Bone Drill (I)	Φ3.5	430-390	1		
11	Tap (IV)	HA3.5	430-470	1		3.5 普通螺钉 (35386350XX)
12	Tap (IV)	HB4.0	430-480	1		
13	Countersink Drill	Φ6.0	430-490	1		4.0 Ti screw
14	Guide Device (LC-DCP Universal)	φ2.5-φ3.5	419-330	1		
15	Guide Device (Double-end)	φ2.5-φ3.5	419-331	1		4.0 普通钉 (35406400XX)
16	Guide Device (LC-DCP Basic)	Φ2.5	419-332	1		
17	Screw Holder (HA II)	HA3.5	419-490			

Surgical Instruments

3.5/4.0 System Instrument Set(419-302)						
No.	Name	Description	Product Code	Quantity	Icon	Remark
18	Wrench (Star)	T10	419-540	1		 3.5低切迹普通钉 (35466350XX) Low profile non locking screw 3.5平头锁定钉 (39380350XX) Flat head locking screw
19	Wrench (Star screwdriver)	T10	419-550	2		
20	Positioning Pin (Thread I)	Φ1.0×150	419-510	3		
21	Guide Device (LCP I)	Φ2.5	419-520	2		
22	Reset Forcep (type c)	small	430-600	1		

3.5/4.0 System Instrument Set(419-302)						
No.	Name	Description	Product Code	Quantity	Icon	Remark
23	Depth Finder (IV)	/	430-680	1		3.5/4.0 General Purpose Devices
24	Wrench (Star)	T15	430-211	1		
25	Wrench (Star screwdriver)	T15	430-410	2		
26	Anti-torque wrench (Star)	1.5N·m	430-570	1		
27	Positioning Pin (Thread I)	φ1.5×150	411-651	3		
		Φ2.0×150	411-652	3		
		Φ2.5×250	419-016	3		
28	Positioning Pin (Polish Rod I)	φ1.5×150	411-654	3		
		Φ2.0×150	411-655	3		
		Φ2.5×250	419-019	3		

Surgical Instruments

3.5/4.0 System Instrument Set(419-302)						
No.	Name	Description	Product Code	Quantity	Icon	Remark
29	Connector (II)	/	411-680	1		3.5/4.0 General Purpose Devices
30	Quick-Change Handle (Straight V)	V	419-470	1		
31	Quick-Change Handle (T Shaped II)	/	411-660	1		
32	Plate Shape Device	3.5A	430-670	1		
		3.5B	430-671	1		
33	Plate Shape Device (Straight)	/	419-072	1		
34	Plate Bender	left	419-350	1		
		right	419-351	1		
35	Plate Bender (IV)	/	430-091	2		

3.5/4.0 System Instrument Set(419-302)						
No.	Name	Description	Product Code	Quantity	Icon	Remark
36	Periosteal Dissector (II)	6.0(Round)	419-420	1		3.5/4.0 General Purpose Devices
37	Periosteal Dissector (II)	6.0 (flat)	430-261	1		
38	Elevator	6.5	411-640	2		
		8.5	411-641	2		
		15.5	411-644	2		
39	Clip-holding Forceps	small	411-131	1		
40	Reset Forcep (IV)	small	430-700	2		
41	Bone Holding Forcep (II)	/	430-702	2		
42	Reset Forceps (Bent I)	/	411-690	2		

Surgical Instruments

3.5/4.0 System Instrument Set(419-302)						
No.	Name	Description	Product Code	Quantity	Icon	Remark
43	Broken Nail Extractor (I)	3.5/4	419-126	1		3.5/4.0 General Purpose Devices
44	Screw Extractor (Slip I)	Φ2.5	419-360	1		
45	Φ3.5/Φ4.0 Screw box		419-310	1		
46	Φ2.7/Φ3.5 Screw box		430-690	1		
47	Container (3.5/4.0 System)		419-560	1		
1	Depth Gauge (III)	Φ2.0	419-370			3.5 Special instruments for pediatric osteotomy
2	Angle ruler(I)	20°/60°/100°	419-380			
		30°/70°/80°	419-390			
		40°/50°/90°	419-400			

3.5/4.0 System Instrument Set(419-302)						
No.	Name	Description	Product Code	Quantity	Icon	Remark
3	Bone Measuring Apparatus(I)	S=6	419-440			3.5/4.0 General Purpose Device
4	Depth Finder (VII)	LCP3.5/LCP5.0	419-450			
5	Guide Device (VIII)	LCP3.5	419-460			
6	Angle ruler(II)	/	419-530			
7	Wrench (Hex)	S=2.0	410-052			