

T-Shaped Support Plate

Operation Manual





CONTENTS

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.

Product Advantages01

Instruction For Use02

Surgical Procedures03

Product Information14

Surgical Instruments15



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Product Advantages

- Lowers surgical risk. Improves fixation between screw and plate, as well as within cortical bone.
- The low-profile, locking construct minimizes muscle damage and soft-tissue irritation



Instruction For Use

- **【 Indications 】**

1. Medial closing-wedge high tibial osteotomy (MCWHTO) of the proximal tibia

Surgical Procedures

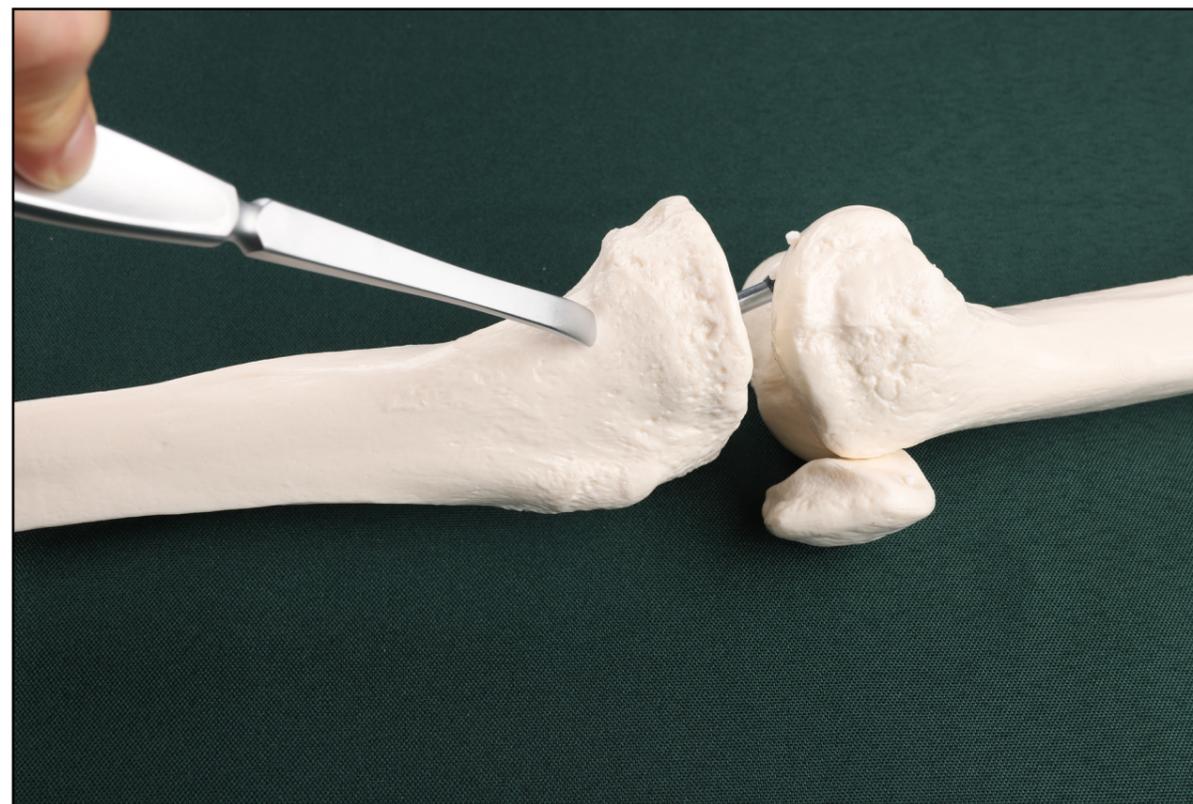
【Step 1】 Incision

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

Surgical Procedures

【Step 2】 Periosteal Detachment

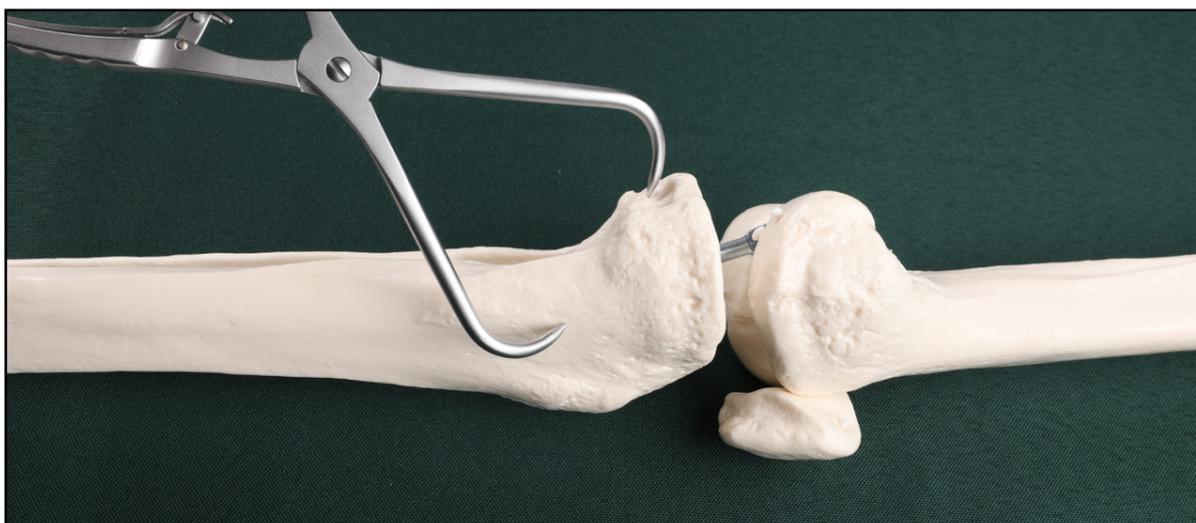
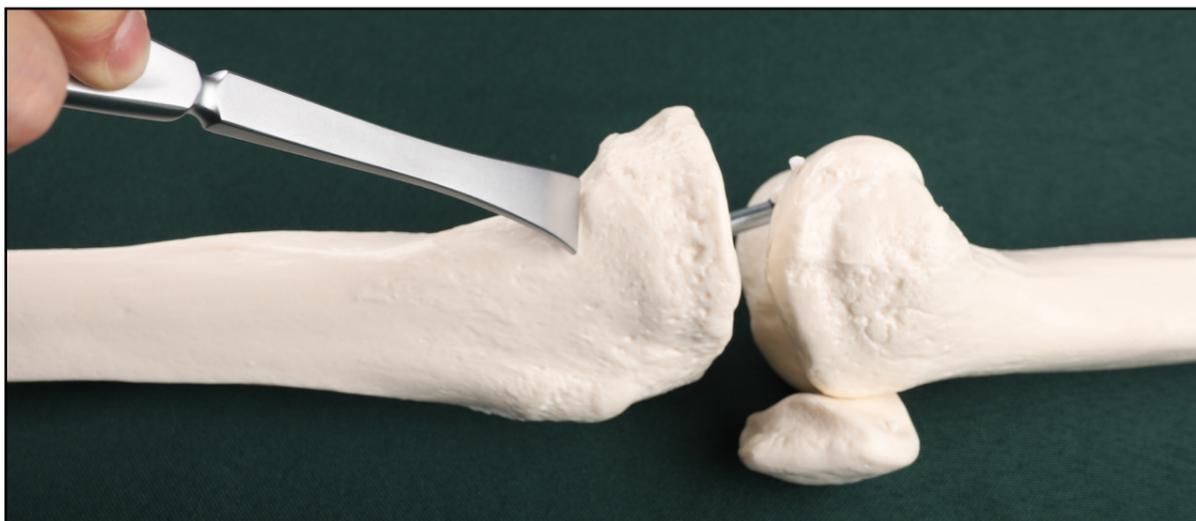
- Strip the periosteum.
- Clearly expose the fracture site.



Surgical Procedures

【Step 3】 Reduction

- Reduce the fracture ends using tools such as bone levers and reduction forceps.



Surgical Procedures

【Step 4】 Prepare the Plate

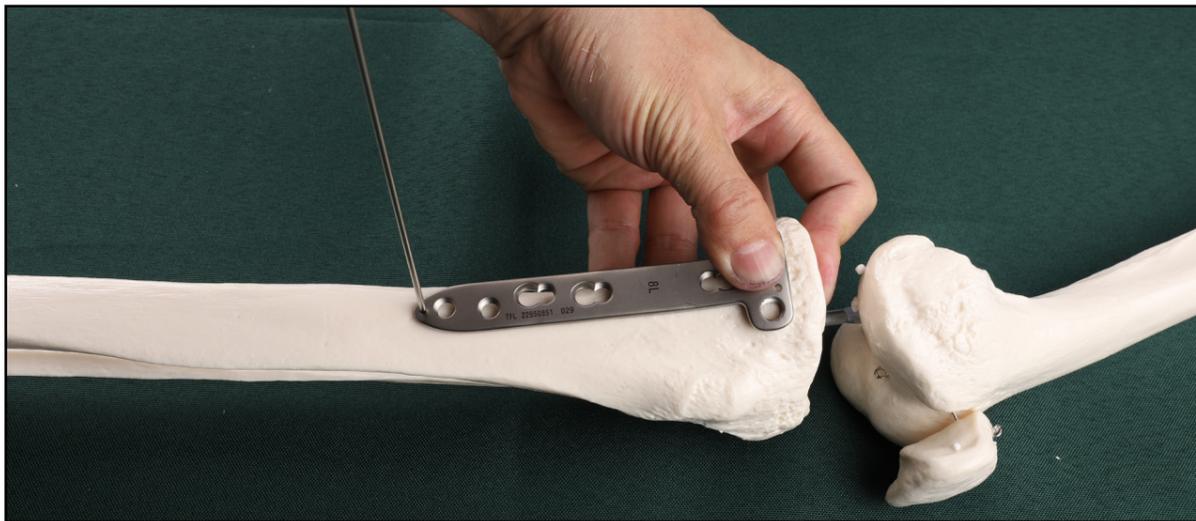
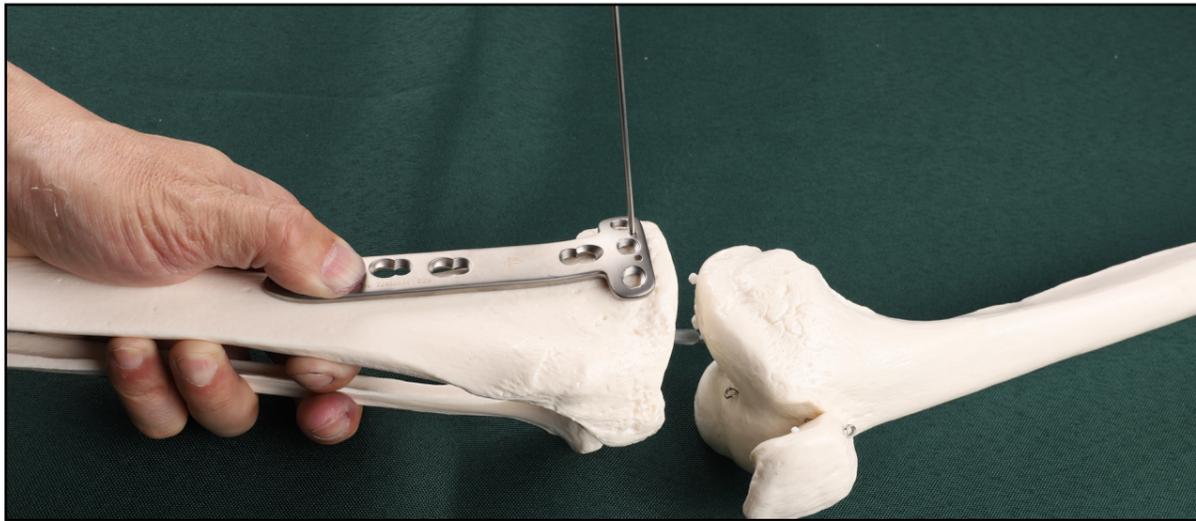
- Select the appropriate steel plate.
- If necessary, use tools to shape the plate to make it more suitable for the bone surface.



Surgical Procedures

【Step 5】 Temporary Fixation

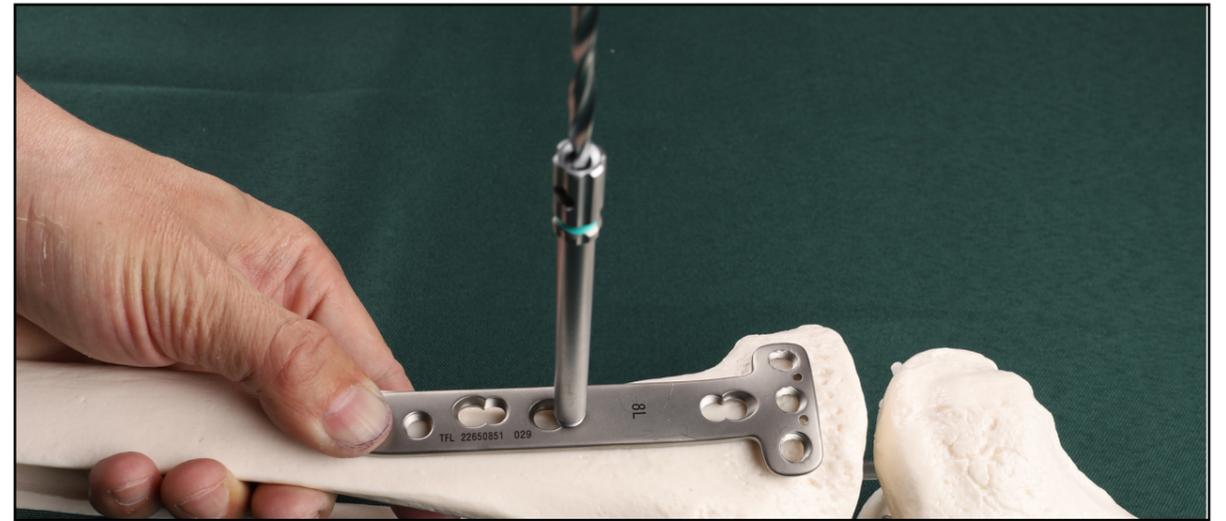
- Use positioning needle to temporarily fix the steel plate and bone.



Surgical Procedures

【Step 6】 Drilling

- Drill a hole using a bone drill.



Surgical Procedures

【Step 7】 Tapping

- Perform tapping using a tap.



Surgical Procedures

【Step 8】 Depth Measuring

- Measure to determine the required product specification using a depth gauge.



Surgical Procedures

【Step 9】 Screw Insertion

- Insert the screw using the matching screwdriver.



Surgical Procedures

【Step 10】 Locking

- After the screw is inserted, use a torque wrench to finally tighten it.



Surgical Procedures

【Step 11】 Suturing

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

Product Information



胫骨近端内侧III接骨板 Proximal Medial tibia Plate III

钢板头部厚度 head thickness	钢板干部厚度 stem thickness	钢板头部宽度 head width	钢板干部宽度 stem width
3.3	3.3	34.5	16

头部：5.0 锁定螺钉；干部：5.0 锁定螺钉/4.5 普通螺钉，适用膝关节的各种保留关节手术；内翻或外翻畸形。
Head: Φ 5.0 mm locking screw, stem: Φ 5.0 mm locking screw, Φ 4.5mm Ti-Screw. Used for various knee surgery with joint reserved, varus or valgus knee deformity.

规格 Description	长度 Length (mm)	产品编码 Product Code
8 孔左 left 8 holes	115	4479104115
8 孔右 right 8 holes	115	4479204115

锁定螺钉 (LCP 5.0) Locking Screw (LCP ϕ 5.0)



钛质接骨螺钉 (HA4.5) Ti-Screw (HB4.5)



Surgical Instruments

4.5/5.0/6.5 Locking Plate System Instrument Set (418-503)						
No.	Name	Description	Code	Qty	Picture	Remarks
1	Drill (III)	Φ4.3	418-145	2		 5.0 锁定钉 (39356500XX)
2	Orthopedic locator	Φ4.3	418-531	2		
3	Wrench (L type HEX)	S=2.5	419-218	1		
4	Tap (IV)	Φ5.0	418-152	1		
5	Guider (LCPV)	Φ4.3	418-063	2		
6	Screwdriver (Torque limit) (Trox II)	4.0N·M	418-561	1		
7	Screw holder (LCPII)	LCP5.0	418-570	1		

4.5/5.0/6.5 Locking Plate System Instrument Set (418-503)						
No.	Name	Description	Code	Qty	Picture	Remarks
8	Drill (I)	Φ3.2	418-028	2		 4.5 普通钉 (35396450XX)
9	Tap (IV)	HA4.5	418-034	1		
10	Countersink drill	Φ8.0	418-042	1		
11	Guider (Double head III)	Φ3.2-Φ4.5	418-053	1		
12	Guider (LC-DCP UniversalIII)	Φ3.2-Φ4.5	418-064	1		
13	Guider (LC-DCP Basic)	Φ3.2	418-065	1		
14	Guider (VII)	Φ3.2	418-582	1		
15	Screw holder (HAII)	HA4.5	418-690	1		
16	Plate shaped Device	4.5A	418-093	1		
		4.5B	418-094	1		

Surgical Instruments

4.5/5.0/6.5 Locking Plate System Instrument Set (418-503)						
No.	Name	Description	Code	Qty	Picture	Remarks
17	Drill (I)	Φ4.5	418-029	1		 6.5 普通钉 (3541665XXX)
18	Tap (IV)	HB6.5	418-035	1		
19	Guider (Double head I)	Φ3.2-Φ6.5	418-054	1		
20	C type guider	/	418-590	1		
21	Guider (VI)	Φ4.5	418-581	1		

4.5/5.0/6.5 Locking Plate System Instrument Set (418-503)						
No.	Name	Description	Code	Qty	Picture	Remarks
22	Guide needle (I)	Φ2.5	418-451	1		 6.5 小头 锁定螺钉 (3928665XXX)
23	Depth Gauge (V)	Φ2.5	418-542	1		
24	Guider (LCPV)	Φ5.0	418-630	1		
25	Guider (ii)	Φ2.5	418-631	1		
26	Cannulated drill (I)	Φ5.0/Φ2.5	418-195	1		
27	Locator	Φ5.0	418-532	1		
28	Positioning needle (thread I)	Φ2.5×250	419-016	2		
29	Wrench (Cannulated Hex I)	S=4.0	418-563	1		
30	Wrench (Hex II)	S=4.0	418-564	1		

Surgical Instruments

4.5/5.0/6.5 Locking Plate System Instrument Set (418-503)

No.	Name	Description	Code	Qty	Picture	Remarks
31	Positioning Needle (Polish I)	Φ2.0×250	418-012	3		4.5/5.0/6.5 general instruments
32	Positioning needle (thread I)	Φ2.0×250	418-013	3		
33	Screwdriver (Trox)	T25	418-560	2		
34	Screwdriver (Trox)	T25	418-562	1		
35	Depth gauge (IV)	/	418-541	1		
36	Quick change handel (Straight V)	大	418-600	1		
37	Adapter (II)	/	411-680	1		
38	Quick change handle (T typeII)	/	411-660	1		
39	Screw holder	大	418-610	1		

4.5/5.0/6.5 Locking Plate System Instrument Set (418-503)

No.	Name	Description	Code	Qty	Picture	Remarks
40	Periosteal detacher (Round)	8	418-640	1		4.5/5.0/6.5 general instruments
41	Periosteal detacher (Flat)	16	418-641	1		
42	Plate bender (III)	Left	418-650	1		
		Right	418-651	1		
43	Reduction forceps (Sharp IV)	Big	418-660	2		
44	Reduction forceps (Bend I)	/	418-661	2		
45	Bone holding forceps (II)	/	418-670	2		
46	Elevator (I)	16	418-680	1		
47	Elevator (I)	44	418-681	1		

Surgical Instruments

4.5/5.0/6.5 Locking Plate System Instrument Set (418-503)

No.	Name	Description	Code	Qty	Picture	Remarks
48	Broken screw extractor (I)	4.5/6.5	418-136	1		4.5/5.0/6.5 general instruments
49	Screw extractor (Slip I)	Φ3.5	418-137	1		
50	Drill (V)	Φ6.0	418-146	1		
51	4.5/ 5.0/ 6.5 screw box		418-550	1		
52	Reduction forceps (C type)	Big	418-662			
53	Container		418-700	1		

4.5/5.0/6.5 Locking Plate System Instrument Set (418-503)

No.	Name	Description	Code	数量	Picture	Remarks
1	Angle ruler (I)	20° /60° /100°	419-380			5.0 Specialized instruments for pediatric osteotomy
		30° /70° /80°	419-390			
		40° /50° /90°	419-400			
3	Osteometer(I)	SW6	419-440			
4	Depth gauge (VII)	LCP3.5/LCP5.0	419-450			
5	Guider (VIII)	LCP5.0	418-580			
6	Angle ruler (II)	/	419-530			