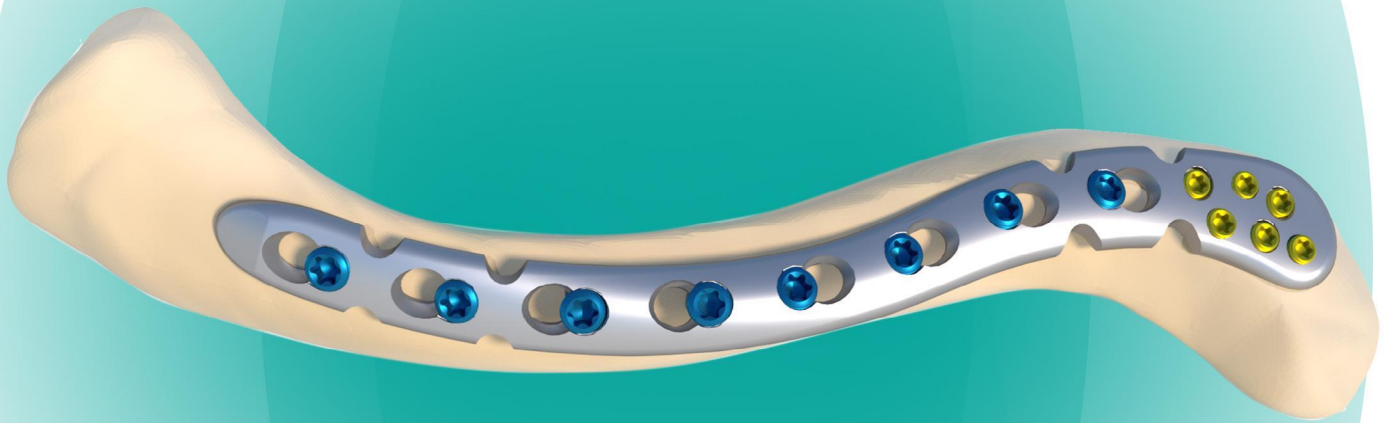


# Distal Clavicle Plate

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 Advantages .....01

Instruction For Use .....02

Surgical Procedures .....03

Product Information .....13

Surgical Instruments .....14



Beijing Fule Science & Technology Development Company

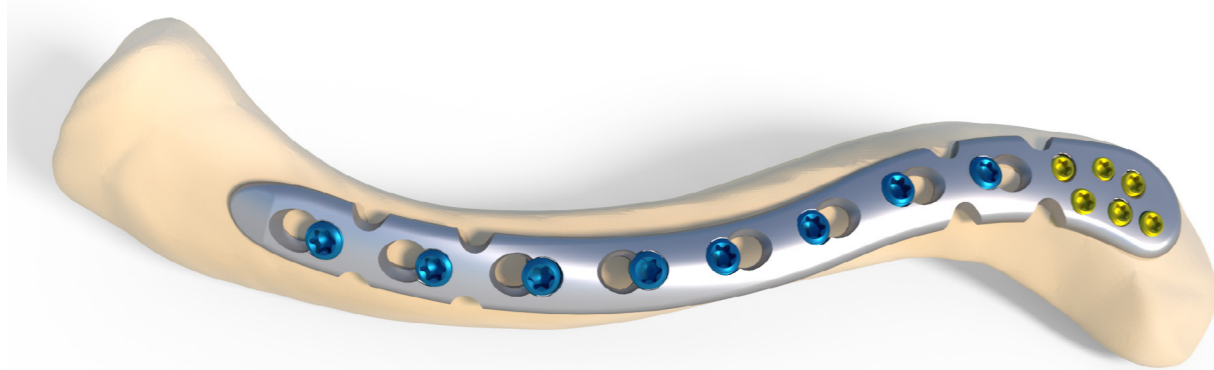
Zipcode: 101204

SaleOfficeTel: 010-60999861/2Fax: 010-60999863/8741

Tel:010-60999866/32/75/17 E-mail address:YXSC@fulekeji.com

Address: 50 MafangIndustrial Park West District,Pinggu District, Beijing

## Product Advantages



- Pre-contoured plate design, allowing for further intraoperative shaping.
- Low-profile design minimizes soft tissue irritation.
- Divergent small screws in the distal end ensure excellent screw purchase and pull-out resistance.
- Two screw options (2.4mm & 2.7mm) available for the distal fragment.
- More rational arrangement of distal screw holes provides a wider effective fixation area.
- Proximal anteversion design provides a better fit to the bone surface.

## Instruction For Use

### ● 【Indications】

Distal clavicle fractures.

Fractures involving the distal clavicle and shaft.

Malunions.

Nonunions.

Note: The head portion uses 2.4/2.7 mm locking screws; the shaft portion uses 3.5 mm locking screws or 3.5 mm cortical screws.

## 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

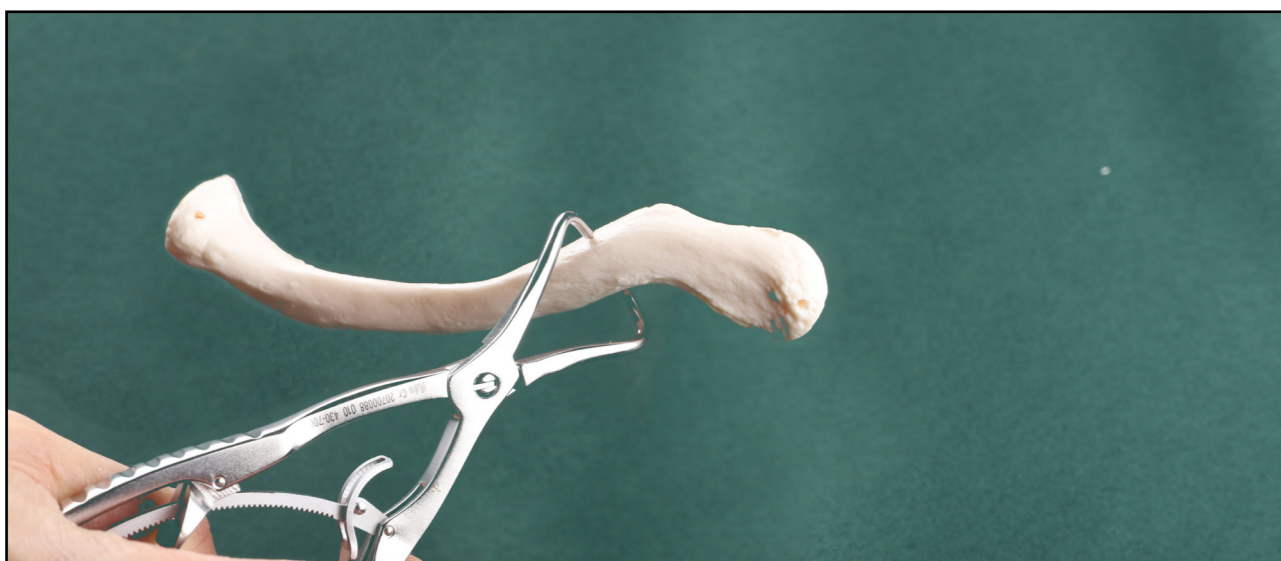
- Strip the periosteum.
- Clearly expose the fracture site.



## Surgical Procedures

### 【Step 3】 Reduction

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



## Surgical Procedures

### 【Step 4】 Plate Preparation

- Select an appropriate plate.
- If necessary, contour the plate using bending tools to achieve a better fit to the bone surface.



## Surgical Procedures

### 【Step 5】 Drilling

- Drill a hole using a bone drill.



## Surgical Procedures

### 【Step 6】 Tapping

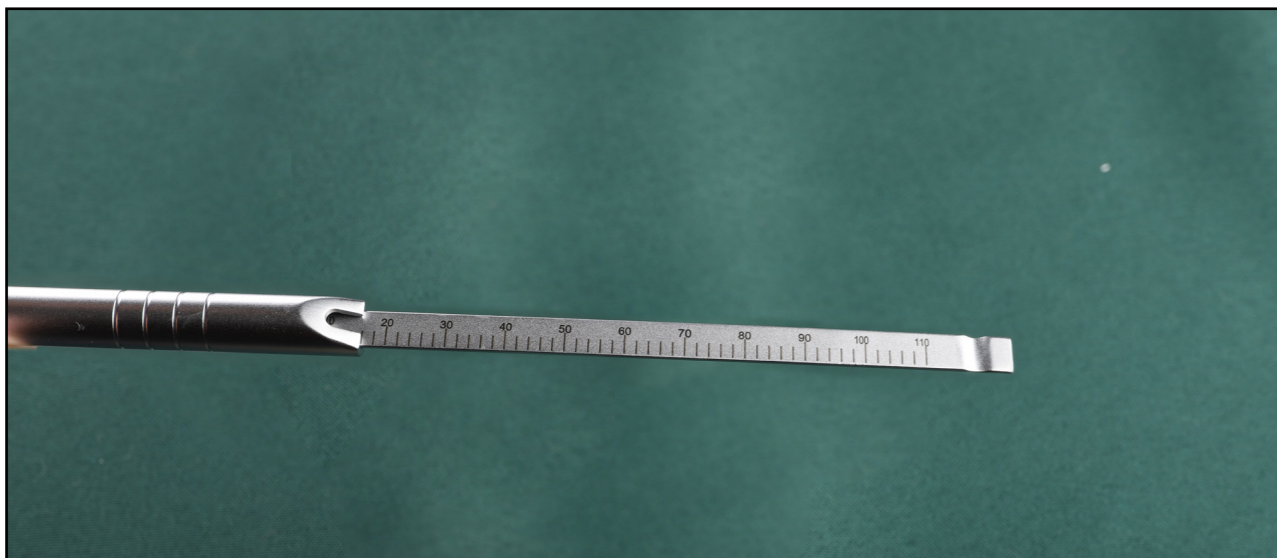
- Perform tapping using a tap.



## Surgical Procedures

### 【Step 7】 Depth Measuring

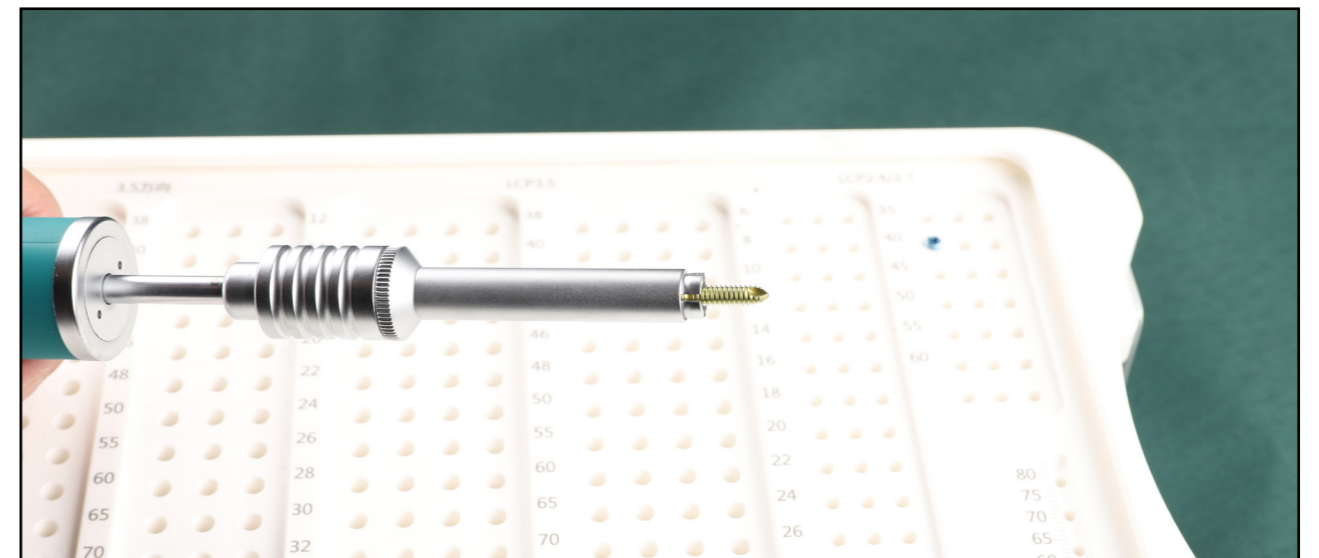
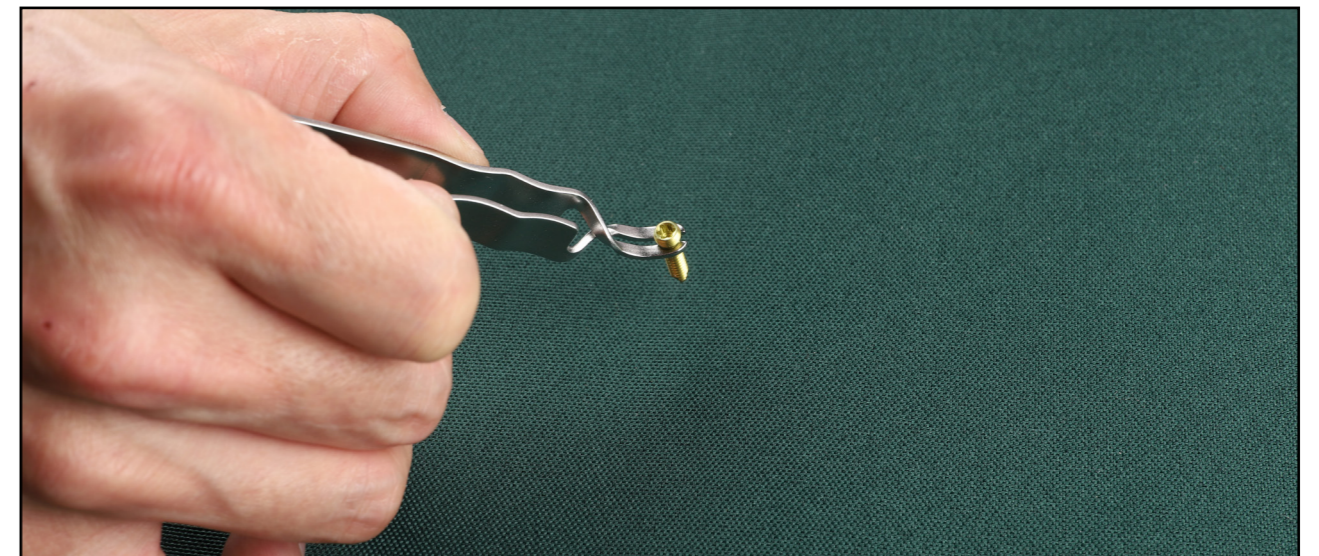
- Measure the screw length using a depth gauge.



## Surgical Procedures

### 【Step 8】 Screw Insertion

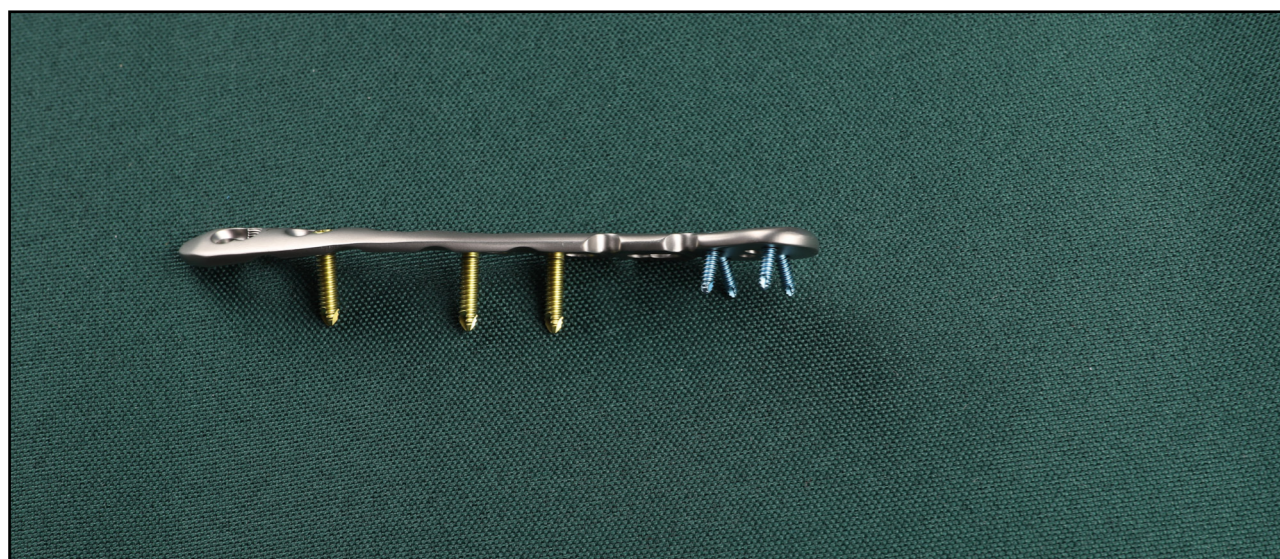
- Insert the screw using the matching screwdriver.



## Surgical Procedures

### 【Step 9】 Final Tightening

After all screws are placed, perform final tightening using a torque-limiting wrench.



## Surgical Procedures

### 【Step 10】 Suturing

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

## Product Information

● 锁骨远端接骨板  
Distal Clavicle Plate



头部厚度 head thickness	干部厚度 stem thickness	头部宽度 head width	干部宽度 stem width
3	3.4	16	10

头部: 2.4/2.7 锁定钉, 干部: 3.5 锁定钉 /3.5 普通钉, 适用于锁骨远端骨折  
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 clavicle fracture

规格 Description	长度 Length(mm)	产品编码 Product Code
4 孔左 left 3 holes	69	4820104069
5 孔左 left 4 holes	81	4820105081
6 孔左 left 5 holes	94	4820106094
7 孔左 left 6 holes	108	4820107108
8 孔左 left 7 holes	123	4820108123
9 孔左 left 8 holes	135	4820109135
4 孔右 right 3 holes	69	4820204069
5 孔右 right 4 holes	81	4820205081
6 孔右 right 5 holes	94	4820206094
7 孔右 right 6 holes	108	4820207108
8 孔右 right 7 holes	123	4820208123
9 孔右 right 8 holes	135	4820209135

● 锁定螺钉 (LCP 2.4)  
Locking Screw (LCP  $\Phi 2.4$ )



● 锁定螺钉 (LCP 3.5)  
Locking Screw (LCP  $\Phi 3.5$ )



● 钛质接骨螺钉 ( $\Phi 3.5$ )  
Ti-Screw( $\Phi 3.5$ )



## Surgical Instruments

### 3.5/4.0 System Instrument Set (419-302)

No.	Name	Description	Code	Qty	Diagram	Remarks	
1	Drill (Ⅲ)	$\Phi 2.8 \times 200$	430-341	2		 3.5 锁定螺钉 ( 39346350XX )	
2	Orthopedic Locator	$\Phi 2.8$	419-135	2			
3	Wrench ( L type Hex )	S=2.5	419-281	1			
4	Tap ( IV )	LCP3.5	430-460	1			
5	Guider ( LCP I )	$\Phi 2.8$	430-560	2			
6	screw holder ( LCP II )	LCP3.5	419-500				
7	Guider ( Polyaxial )	$\phi 2.8$	430-101	1			 3.5 万向螺钉 ( 39240350XX )
8	Guider ( VA-LCPII )	$\phi 2.8$	430-552	2			

### 3.5/4.0 System Instrument Set (419-302)

No.	Name	Description	Code	Qty	Diagram	Remarks	
9	Drill ( I )	$\Phi 2.5$	430-331	2		 3.5 普通螺钉 ( 35386350XX )	
10	Drill ( I )	$\Phi 3.5$	430-390	1			
11	Tap ( IV )	HA3.5	430-470	1			
12	Tap ( IV )	HB4.0	430-480	1			
13	Countersunk drill	$\Phi 6.0$	430-490	1			
14	Guider ( LC-DCP,universal )	$\phi 2.5-\phi 3.5$	419-330	1			 4.0 普通钉 ( 35406400XX )
15	Guider ( Double head )	$\phi 2.5-\phi 3.5$	419-331	1			
16	Guider ( LC-DCP basic )	$\Phi 2.5$	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	Code	Qty	Diagram	Remarks
18	Wrench (Torx)	T10	419-540	1		 3.5低切迹普通钉 (35466350XX)
19	Screwdriver (Trox)	T10	419-550	2		
20	Positioning needle (Thread I)	Φ1.0×150	419-510	3		 3.5平头锁定钉 (39380350XX)
21	Guider (LCP I)	Φ2.5	419-520	2		
22	Reduction forceps (C type)	小	430-600	1		

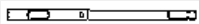



3.5/4.0 System Instrument Set (419-302)						
No.	Name	Description	Code	Qty	Diagram	Remarks
23	Depth gauge (IV)	/	430-680	1		3.5/4.0 general instruments
24	Wrench (torx)	T15	430-211	1		
25	Screwdriver (torx)	T15	430-410	2		
26	Limit torque wrench(Trox II)	1.5N·m	430-570	1		
27	Positioning needle (Thread I)	φ1.5×150	411-651	3		
		Φ2.0×150	411-652	3		
		Φ2.5×250	419-016	3		
28	Positioning needle (polish rod)	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	Code	Qty	Diagram	Remarks
29	Adapter (II)	/	411-680	1		3.5/4.0 general instruments
30	Quick change handle (Straight V)	Small	419-470	1		
31	Quick change handle (T type II)	/	411-660	1		
32	Plate shaped device	3.5A	430-670	1		
		3.5B	430-671	1		
33	Plate shaped device (straight)	/	419-072	1		
34	Plate bender (I)	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	Code	Qty	Diagram	Remarks
36	Periosteal detacher(II)	6.0(round)	419-420	1		3.5/4.0 general instruments
37	Periosteal detacher(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		small	411-131	1		
40	Reduction forceps (IV)	small	430-700	2		
41	Bone-holding forceps (II)	/	430-702	2		
42	Reduction forceps (Bent I)	/	411-690	2		

# Surgical Instruments

3.5/4.0 System Instrument Set (419-302)						
No.	Name	Description	Code	Qty	Diagram	Remarks
43	Broken nail extractor ( I )	3.5/4	419-126	1		3.5/4.0 general instruments
44	Screw extractor (Slip I)	Φ2.5	419-360	1		
45	3.5/ 4.0 screw box		419-310	1		
46	2.7/ 3.5screw 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	Code	Qty	Diagram	Remarks
3	Measurer(I)	S=6	419-440			3.5/4.0 general instruments
4	Depth Gauge ( VII )	LCP3.5/LCP5.0	419-450			
5	Guider ( VIII )	LCP3.5	419-460			
6	Angle ruler (II)	/	419-530			
7	Wrench ( Hex )	S=2.0	410-052		