Item Catalogue

NUPCO CODE: 4232150841000 | SN: 830

NUPCO ITEM DESCRIPTION

PLATE, LCP DISTAL HUMERAL EXTRA ARTICULAR OR EQUIVALENT, LEFT OR RIGHT, ASSORTED SIZES

VENDOR PRODUCT DESCRIPTION

Acumed elbow plating family for distal humerus, olecranon and coronoid fractures with variable-angle screws and indication-specific plates.

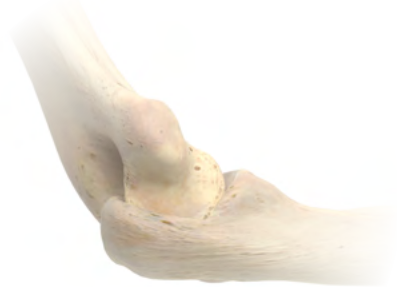
SKU CODES INCLUDED FOR THIS NUPCO CODE

PL-LEM9S
PL-LEM9L
PL-LEM8
PL-LEM7
PL-LEM12
PL-LEM16
70-0376
70-0378
PL-LEL20R
PL-LEL10R
PL-LEL14L
70-0379
70-0377
70-0375
70-0303
70-0306
70-0307
70-0308
70-0309
70-0312
70-0313
70-0414
70-0413
70-0416
80-0653
70-0415
80-0654
70-0316
70-0317
70-0310
70-0311
70-0305
70-0302
80-0661
80-0659
80-0676
PL-2030
PL-PTACK

Olecranon Plate Surgical Technique

Shawn W. O'Driscoll, MD, PhD

Figure 1



Technical Objectives for Locking Olecranon Plates:

- Each screw should be as long as possible
- Locking screws should interlock to provide a stable "fixed angle" structure inside the bone fragment
- Plate should buttress against anterior pull of elbow flexors
- Plate should provide stable fixation of the ulnar shaft
- Plate should be applied with compression across the fracture
- Plate must be strong and stiff enough to resist bending before union occurs

1 Fracture Reduction and Plate Placement

Attach the Olecranon Plate Proximal Targeting Guide (80-0654) to the Olecranon Plate (70-03XX) with the Locking Bolt: M4 (80-0652). Flex the elbow 90°, reduce the fracture, and apply the plate. The prongs in the proximal end of the plate should penetrate the triceps tendon and provide provisional fixation. These prongs are not intended to compress the tendon and a gap between the plate and the bone should be visible on X-ray.

Note: Plates designed for use on the left arm are blue. Plates designed for use on the right arm are green.

Note: Using the Extended Olecranon Plate (70-03XX) requires splitting the triceps tendon.

Figure 2

2 Provisional Wire Placement

If a locking screw is to be utilized in the most proximal hole of the plate, thread the 2.3 mm Locking Drill Guide 6–65 mm (80-0622) into the plate hole. A 2.0 mm x 9" ST K-wire (WS-2009ST) is drilled through the locking drill guide and across the fracture site, penetrating the anterior metaphyseal cortex. Do not remove this wire until Step 6. Alternatively, two .062" x 6" K-wires (WS-1607ST) can be placed across the fracture, one on each side of the plate.

Olecranon Plate Surgical Technique [continued]

Figure 3

Screw Diameter	Drill Diameter
2.7 mm	2.0 mm
3.0 mm	2.3 mm
3.5 mm	2.8 mm

3 Nonlocking Distal Screw Placement

With provisional reduction confirmed, drill with the 2.8 mm Quick Release Drill (80-0387) through a slotted hole, distal to the fracture site and into the ulnar shaft. Use the Depth Gauge 6–65 mm (80-0623) to measure for screw length. Connect the T15 Stick Fit Hexalobe Driver (80-0760) to the Medium Ratcheting Driver Handle (80-0663) and insert the appropriate 3.5 mm Nonlocking Hexalobe Screw (30-02XX) or 3.5 mm Nonlocking Hexalobe CoCr Screw (3063-350XX). Tighten the screw partially to allow for later compression. A 3.5 mm Cortical Screw Bone Tap (MS-LTT35) is available for patients with dense bone.

Note: When implanting the Narrow 5-Hole Olecranon Plates (70-0316 or 70-0317), only the 2.7 mm locking and nonlocking hexalobe screws and associated instrumentation may be used throughout all plate holes.

Note: 3.0 mm or 3.5 mm Nonlocking Hexalobe Screws (30-03XX or 30-02XX) or 3.5 mm Nonlocking Hexalobe CoCr Screws (3063-350XX) can be used in the shaft of the plate.

Figure 4

4 Proximal Locking Screw Placement

To insert two 2.7 mm Locking Hexalobe Screws (30-03XX) or 2.7 mm Locking Hexalobe CoCr Screws (3060-270XX) into the proximal holes on either side of the 2.0 mm wire, begin by threading the 2.0 mm Locking Drill Guide 4–32 mm (80-0621) through the proximal targeting guide and into the most proximal locking holes. While drilling with the 2.0 mm Quick Release Drill (80-0318), be sure not to exit the bone. Drill depth may be read directly off the laser line on the drill through the locking drill guide or with the 2.0 mm Depth Probe (80-0643). To insert the appropriate 2.7 mm locking hexalobe screw, connect the T8 Stick Fit Hexalobe Driver (80-0759) to the Medium Ratcheting Driver Handle (80-0663).

Note: When using the T8 driver, care should be taken not to overtighten the screw or apply more torque than necessary to seat the locking screw into the plate. Screws should be tightened by hand and not under power.

Olecranon Plate Osteotomy Cutting Jig Surgical Technique

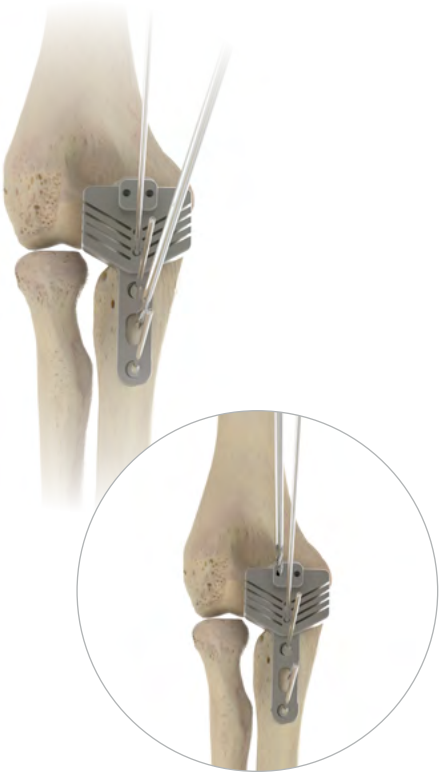
Shawn W. O'Driscoll, MD, PhD

Figure 9

1 Provisional Fixation

Place the Olecranon Plate Osteotomy Cutting Jig (80-0653) onto the proximal portion of the olecranon with the elbow flexed at 90°. The jig is designed to sit on top of the triceps tendon. Secure the jig provisionally by placing a Plate Tack (PL-PTACK) into the plate tack holes in the jig. A .062" x 6" K-wire (WS-1607ST) may also be placed in the small K-wire hole between the cutting slots.

Figure 10

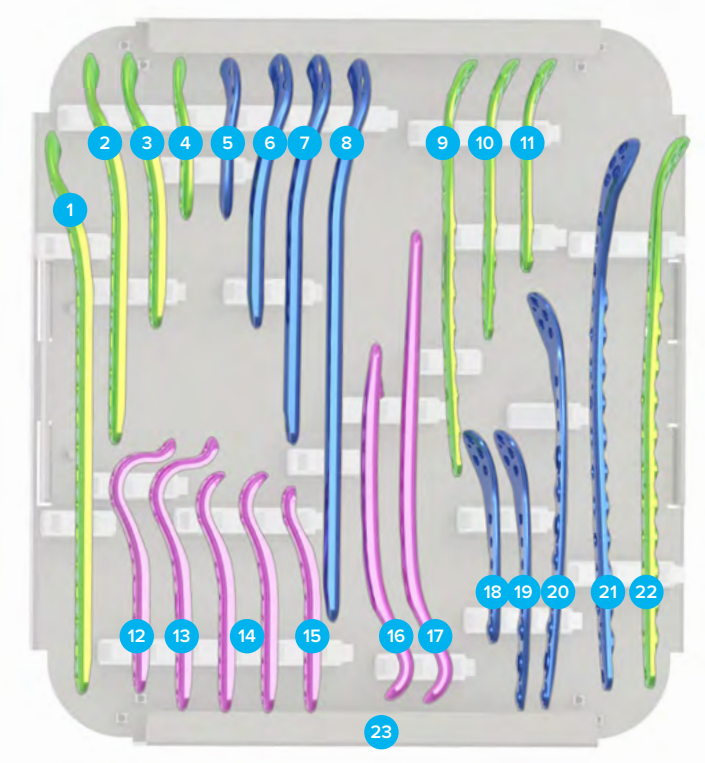


2 Pre-Drill Screw Holes

The Olecranon Plate Osteotomy Cutting Jig (80-0653) allows pre-drilling of the screw holes that will be used with subsequent placement of the Olecranon Plate (70-03XX). Use a 2.8 mm Quick Release Drill (80-0387) to drill the slot for future placement of a 3.5 mm Nonlocking Hexalobe Screw (30-02XX) or 3.5 mm Nonlocking Hexalobe CoCr Screw (3063-350XX). The 2.0 mm Quick Release Drill (80-0318) is utilized to drill the two smaller, proximal holes for future placement of the 2.7 mm Locking Hexalobe Screws (30-03XX) or 2.7 mm Locking Hexalobe CoCr Screws (3060-270XX).

Figure 11

Ordering Information



Tray Components

Distal Humerus Plates

1	Locking Lateral Plate, 20-hole, Right (206 mm)	PL-LEL20R
2	Locking Lateral Plate, 14-hole, Right (142 mm)	PL-LEL14R
3	Locking Lateral Plate, 10-hole, Right (100 mm)	PL-LEL10R
4	Locking Lateral Plate, 6-hole, Right (58 mm)	PL-LEL6R
5	Locking Lateral Plate, 6-hole, Left (58 mm)	PL-LEL6L
6	Locking Lateral Plate, 10-hole, Left (100 mm)	PL-LEL10L
7	Locking Lateral Plate, 14-hole, Left (142 mm)	PL-LEL14L
8	Locking Lateral Plate, 20-hole, Left (206 mm)	PL-LEL20L
9	Posterolateral Distal Humerus Plate, 11-hole, Right (152 mm)	70-0379
10	Posterolateral Distal Humerus Plate, 7-hole, Right (103 mm)	70-0377
11	Posterolateral Distal Humerus Plate, 5-hole, RT (78 mm)	70-0375

Tray Components

Distal Humerus Plates

12	Locking Medial Plate, Short, 9-hole (95 mm)	PL-LEM9S
13	Locking Medial Plate, Long, 9-hole (96 mm)	PL-LEM9L
14	Locking Medial Plate, 8-hole (88 mm)	PL-LEM8
15	Locking Medial Plate, 7-hole (84 mm)	PL-LEM7
16	Locking Medial Plate, 12-hole (130 mm)	PL-LEM12
17	Locking Medial Plate, 16-hole (175 mm)	PL-LEM16
18	Posterolateral Distal Humerus Plate, 5-hole, Left (78 mm)	70-0374
19	Posterolateral Distal Humerus Plate, 7-hole, Left (103 mm)	70-0376
20	Posterolateral Distal Humerus Plate, 11-hole, Left (152 mm)	70-0378
	*Elbow Plating System Case Lid	80-1006
	*Elbow Plating System Case Base	80-1007

* Item not shown

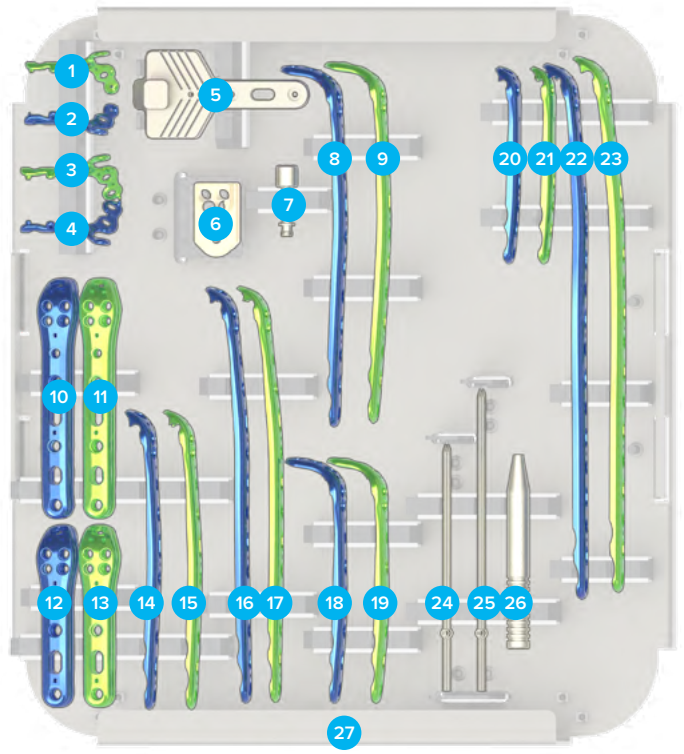
Optional Components from Elbow Plating System

Distal Humerus Plates

21	Posterolateral Distal Humerus Plate, 15-hole, Left (203 mm)	70-0380
22	Posterolateral Distal Humerus Plate, 15-hole, Right (203 mm)	70-0381
23	Elbow System Distal Humerus-Posterolateral Platter	80-0678

Note: To learn more about the full line of Acumed innovative surgical solutions, please contact your authorized Acumed distributor, call 888.627.9957, or visit www.acumed.net.

Ordering Information [continued]



Tray Components

Coronoid Plates

3	Coronoid Plate, Standard, Right	70-0414
4	Coronoid Plate, Standard, Left	70-0413

Instrumentation

5	Olecranon Plate Osteotomy Cutting Jig	80-0653
6	Olecranon Plate Prox Targeting Guide	80-0654
7	Locking Bolt: M4	80-0652

Olecranon Plates

8	Olecranon Plate, Extended, 9-hole, Left (130 mm)	70-0314
9	Olecranon Plate, Extended, 9-hole, Right (130 mm)	70-0315
10	Olecranon Plate, Standard, 5-hole, Left (90 mm)	70-0304
11	Olecranon Plate, Standard, 5-hole, Right (90 mm)	70-0305
12	Olecranon Plate, Standard, 3-hole, Left (65 mm)	70-0302

Tray Components

13	Olecranon Plate, Standard, 3-hole, Right (65 mm)	70-0303
14	Olecranon Plate, Standard, 7-hole, Left (110 mm)	70-0306
15	Olecranon Plate, Standard, 7-hole, Right (110 mm)	70-0307
16	Olecranon Plate, Standard, 11-hole, Left (150 mm)	70-0308
17	Olecranon Plate, Standard, 11-hole, Right (150 mm)	70-0309
18	Olecranon Plate, Extended, 5-hole, Left (90 mm)	70-0312
19	Olecranon Plate, Extended, 5-hole, Right (90 mm)	70-0313

Instrumentation

24	70 mm Tension Band Pin	30-0098
25	90 mm Tension Band Pin	30-0099
26	Tension Band Pin Snapper	80-0411
27	Elbow System Olecranon-Coronoid Platter	80-0677

Optional Components from Elbow Plating System

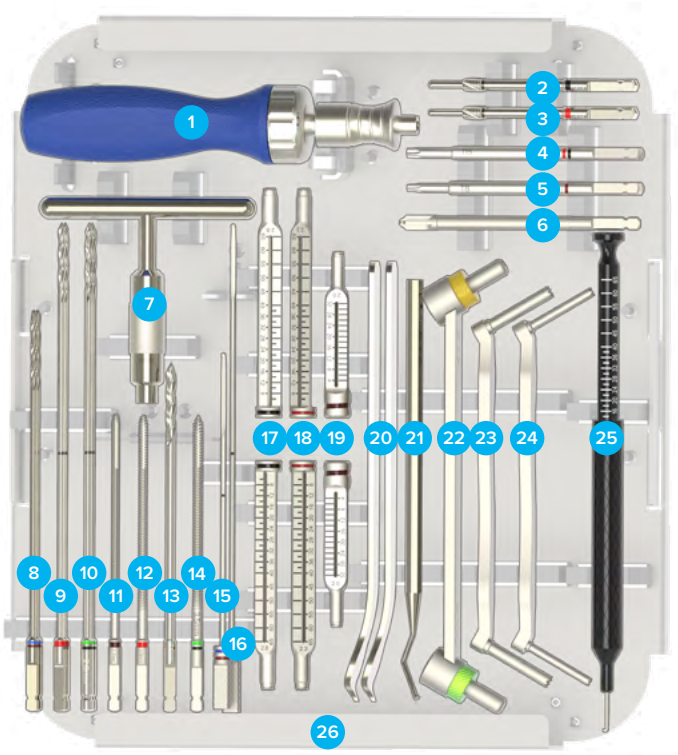
Coronoid Plates

1	Coronoid Plate, Small, Right	70-0416
2	Coronoid Plate, Small, Left	70-0415

Olecranon Plates

20	Olecranon Plate, Narrow, 5-hole, Left (85 mm)	70-0316
21	Olecranon Plate, Narrow, 5-hole, Right (85 mm)	70-0317
22	Olecranon Plate, Standard, 15-hole, Left (190 mm)	70-0310
23	Olecranon Plate, Standard, 15-hole, Right (190 mm)	70-0311

Ordering Information [continued]



Tray Components

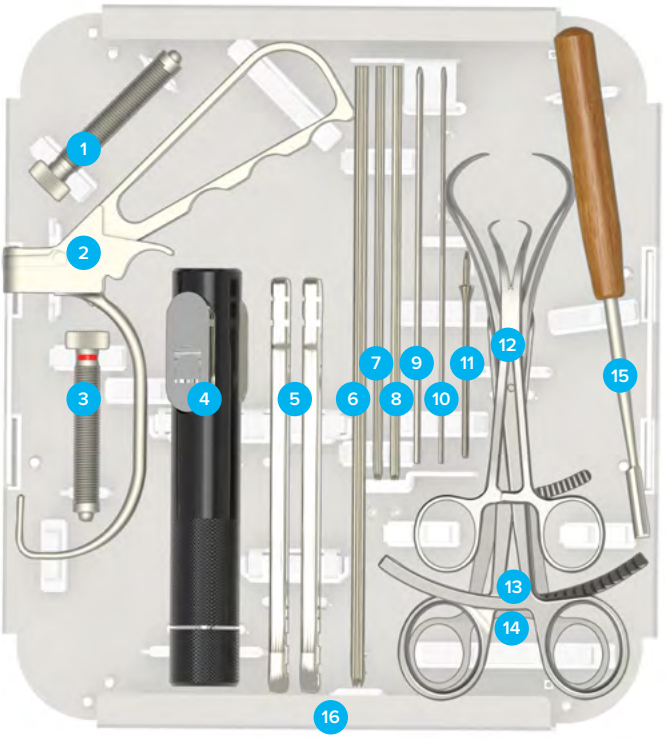
Instrumentation

1	Medium Ratcheting Driver Handle	80-0663
2	Plate Tap for 3.5 mm Screw	80-0661
3	Plate Tap for 3.0 mm Screw	80-0659
4	T15 Stick Fit Hexalobe Driver	80-0760
5	T8 Stick Fit Hexalobe Driver	80-0759
6	CO/CA Countersink	PL-2080
7	Quick Release T-Handle	MS-T1212
8	2.0 mm Quick Release Drill	80-0318
9	2.3 mm Quick Release Drill	80-0627
10	2.8 mm Quick Release Drill	80-0387
11	Bone Tap for 2.7 mm Hexalobe Screws	80-0625
12	Bone Tap for 3.0 mm Nonlocking Screws	80-0626
13	3.5 mm x 5" Quick Release Drill	MS-DC35

Tray Components

14	3.5 mm Cortical Screw Bone Tap	MS-LTT35
15	2.0 mm Depth Probe	80-0643
16	2.3 mm Depth Probe	80-0664
17	2.8 mm Hexalobe Locking Drill Guide 6–65 mm	80-0668
18	2.3 mm Locking Drill Guide 6-65 mm	80-0622
19	2.0 mm Hexalobe Locking Drill Guide 4–32 mm	80-0621
20	15 mm Hohman Retractor	MS-46827
21	Sharp Hook	PL-CL06
22	Offset Drill Guide	PL-2095
23	2.8 mm/3.5 mm Thin Drill Guide	PL-2196
24	2.0 mm/2.3 mm Narrow Drill Guide	80-0628
25	Depth Gauge 6–65 mm	80-0623
26	Hexalobe Screw Instrument Platter	80-0675

Ordering Information [continued]



Tray Components

Instrumentation

1	2.8 mm Drill Guide Cannula	PL-28CLAMP
2	Targeted Drill Guide	PL-CLAMP
3	2.3 mm Drill Guide Cannula	80-0624
4	Plate Holder Assembly	PL-2030
5	Plate Bender, Large	PL-2045
6	2.0 mm x 9" ST Guide Wire*	WS-2009ST
7	.062" x 6" Guide Wire*	WS-1607ST
8	.045" x 6" ST Guide Wire*	WS-1106ST
9	.062 x 5.75 STT Guide Wire, Titanium	WT-1606STT
10	.035 x 5.75 STT Guide Wire, Titanium	WT-0906STT
11	Plate Tack	PL-PTACK
12	8" Bone Reduction Forceps	MS-1280

*Also used as a K-wire

Tray Components

13	Bone Reduction Forceps, 5.25	MS-45300
14	Reduction Forceps With Serrated Jaw	PL-CL04
15	Periosteal Elevator	MS-46212
16	Elbow System Plate Instrument Platter	80-0676

Additional Components

2.0 mm Quick Release Drill	80-0318
Targeting Guide Locking Bolt: 10-32	80-2164

Sterile Parts

Osteotomy Saw Blade Hub Style L*	ZMS-3514
Osteotomy Saw Blade Hub Style S*	SM-3514
Osteotomy Saw Blade Hub Style DS*	SS-3514

*Not available in all markets.