Item Catalogue

NUPCO CODE: 4224210003300 | SN: 1927

NUPCO ITEM DESCRIPTION

PLATE, LCP ANATOMIC DISTAL RADIUS STYLOID, TITANIUM, ASSORTED TYPES AND SIZES REQUESTED BY END USER

VENDOR PRODUCT DESCRIPTION

Acu-Loc 2 radial styloid plates

SKU CODES INCLUDED FOR THIS NUPCO CODE

70-0331
70-0334

NUPCO CODE: 4224210003300 | SN: 1927

acumed®

Acu-Loc® 2 Wrist Plating System

Surgical Technique

a Colson Medical | Marmon | Berkshire Hathaway Company

System Features [continued]

Distal Radius Fragment Specific (DRFS) Plates

The Distal Radius Fragment Specific (DRFS) Plates are designed to independently address the inherent challenges of complex fractures. Fragment-specific plating is based on the three-column model that separates the ulnar and radial sides of the distal radius from the distal ulna. The three-column theory corresponds with the most common distal radius fracture patterns and enables anatomic reconstruction of intra-articular fracture fragments.

Volar Lunate Suture Plate

The Volar Lunate Suture Plate (70-0334) supports the volar ulnar corner of the radius. Sutures may be placed through the volar capsule and suture holes in the plate for fixation of these very small, but clinically important, bone fragments.

Divergent Radial Styloid Plate

The Divergent Radial Styloid Plate (70-0331) buttresses the radial column. Two unicortical distal screws diverge to provide subchondral bone support, with one screw targeting the dorsal rim of the sigmoid notch and the other targeting the volar rim.

Dorsal Lunate and Dorsal Rim Buttress Plates

Used for stabilizing fracture patterns that involve the dorsal lunate facet of the distal radius and the sigmoid notch, the Dorsal Lunate Plate (70-0337 or 70-0338) provides support to the lunate facet. The Dorsal Rim Buttress Plate (70-0335 or 70-0336) is positioned on the dorsal ulnar side of the radius and extends radially to support dorsal rim comminution and the radial styloid. A screw can be inserted ulnar-to-radial for further radial styloid support.

Note: If the long ulnar-to-radial styloid screw is desired in the dorsal rim buttress plate, it is recommended to use the 2.0 mm Locking Drill Guide 6–46 mm (80-0592).

Distal Radius Fragment Specific (DRFS) Plates Options

Dorsal Rim Buttress, Left and Right Specific

Dorsal Lunate, Left and Right Specific

Radial Styloid

Volar Lunate Suture

DRFS Plate Reference Chart	
Gold	Neutral
Blue	Left-specific
Green	Right-specific

Radial Styloid Plate Surgical Technique

William B. Geissler, MD

Figure 1

1 Incision and Dissection

The Divergent Radial Styloid Plate (70-0331) may be inserted by one of two approaches. The plate may be placed on the dorsal radial aspect of the radial styloid, utilizing the standard dorsal approach.

Alternatively, the plate may be inserted through an incision between the first and second extensor compartments.

Perform blunt dissection to protect the terminal branches of the dorsal sensory branch of the radial nerve. After the branch is identified and protected, open the interval between the first and second compartments and elevate the tendons (Figure 1).

Figure 2

2 Plate Placement

The plate is designed to sit under the first dorsal compartment tendons (Figure 2).

Note: To find the screw angles more easily, place the 2.0 mm Locking Drill Guide 4–32 mm (80-0249) in line with the laser band next to the hole (Figure 3).

Figure 3

Volar Lunate Suture Plate Surgical Technique

William B. Geissler, MD

Figure 1

1 Incision and Dissection

The Volar Lunate Suture Plate (70-0334) may be inserted through a standard volar flexor carpi radialis approach (refer to Acu-Loc 2 VDR Surgical Technique on page 13) (Figure 1).

Alternatively, the volar ulnar corner of the distal radius may be approached through an incision placed between the flexor tendons and the ulnar neurovascular bundle. Make an incision in line with the ring finger starting at the distal volar crease and extending proximally. Dissect down to the level of the fascia that is open in line with the incision. Identify the ulnar neurovascular bundle along the ulnar aspect of the approach and retract ulnarly. Retract the flexor tendons radially to expose the volar ulnar corner.

Figure 2

2 Plate Placement

Align the Volar Lunate Suture Plate with the medial border of the radial shaft (Figures 2 and 3).

If suture is needed to address small distal fragments, pass a suture through the capsule supporting the small articular fragments and through the distal suture holes in the plate. If necessary, a .054" x 6" K-wire (WS-1406ST) can be used to drill through the bone in order to pass the suture through the articular fragment.

Figure 3

Volar Ulnar Corner Fixation

Figure 1

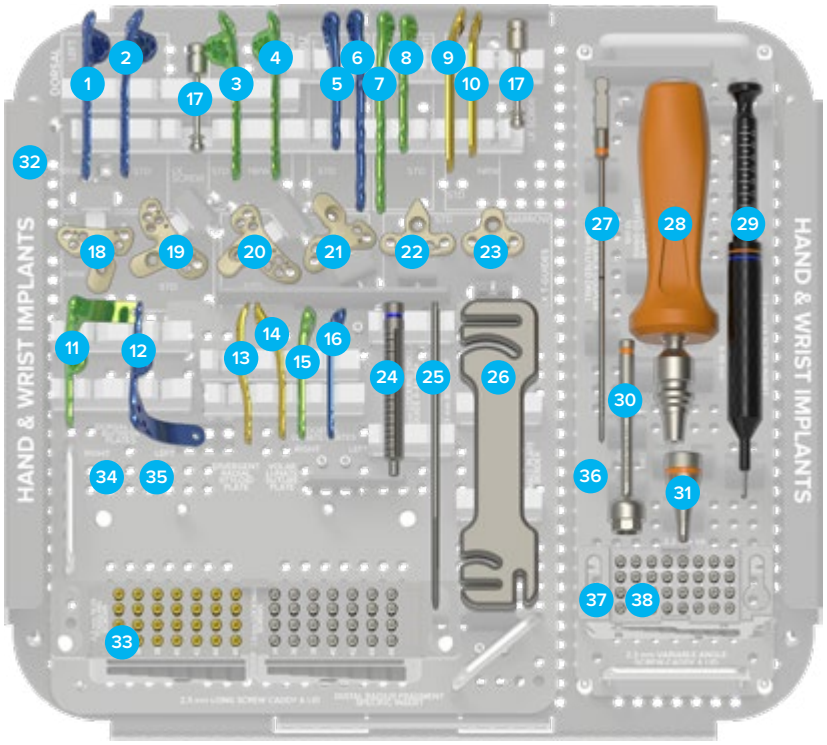
Figure 2

Fixating Small Volar Ulnar Corner Fragments

This technique uses the DRFS Volar Lunate Suture Plate (70-0334) (Figure 1) or Acu-Loc 2 VDR Plate (70-03XX) (Figure 2). The volar ulnar fragment is typically rotated with its capsular attachment and de-rotated under direct visualization. Multiple sutures are placed in the capsule, rotating the fragment back anatomically.

Once the fragment is de-rotated, the sutures are passed through the suture holes in the volar ulnar corner of the plate. A plate-specific nonlocking screw is placed through the oblong slot in the plate. The plate is positioned onto the distal radius, with the preferred placement confirmed using fluoroscopy. The sutures are tied, securing the volar ulnar fragment with the plate, and the remaining screws are placed.[1,2]

Ordering Information [continued]



Tray Components

Acu-Loc Plates

1	Acu-Loc Dorsal Plate, Narrow, Left	70-0057
2	Acu-Loc Dorsal Plate, Standard, Left	70-0055
3	Acu-Loc Dorsal Plate, Standard, Right	70-0056
4	Acu-Loc Dorsal Plate, Narrow, Right	70-0058
5	Acu-Loc VDU Plate, Standard, Left	70-0045
6	Acu-Loc VDU Plate, Long, Left	70-0047
7	Acu-Loc VDU Plate, Long, Right	70-0048
8	Acu-Loc VDU Plate, Standard, Right	70-0046
9	Acu-Loc EX Standard	70-0063
10	Acu-Loc EX Narrow	70-0064

Distal Radius Fragment Specific (DRFS) Plates

11	Dorsal Rim Buttress Plate, Right	70-0335
12	Dorsal Rim Buttress Plate, Left	70-0336
13	Divergent Radial Styloid Plate	70-0331
14	Volar Lunate Suture Plate	70-0334
15	Dorsal Lunate Plate, Right	70-0337
16	Dorsal Lunate Plate, Left	70-0338

Ordering Information [continued]

Sterile Tray Components

Acu-Loc 2 Volar Distal Radius (VDR) Plates

Acu-Loc 2 VDR Plate Narrow, Left	70-0358-S
Acu-Loc 2 VDR Plate Narrow Long, Left	70-0370-S
Acu-Loc 2 VDR Plate Standard, Left	70-0356-S
Acu-Loc 2 VDR Plate Standard Long, Left	70-0368-S
Acu-Loc 2 VDR Plate Wide, Left	70-0360-S
Acu-Loc 2 VDR Plate Wide, Right	70-0361-S
Acu-Loc 2 VDR Plate Standard Long, Right	70-0369-S
Acu-Loc 2 VDR Plate Standard, Right	70-0357-S
Acu-Loc 2 VDR Plate Narrow Long, Right	70-0371-S
Acu-Loc 2 VDR Plate Narrow, Right	70-0359-S

Acu-Loc 2 Volar Distal Radius (VDR) Proximal Plates

Acu-Loc 2 VDR Proximal Plate Narrow, Left	70-0352-S
Acu-Loc 2 VDR Proximal Plate Narrow Long, Left	70-0382-S
Acu-Loc 2 VDR Proximal Plate Standard, Left	70-0350-S
Acu-Loc 2 VDR Proximal Plate Standard Long, Left	70-0372-S
Acu-Loc 2 VDR Proximal Plate Wide, Left	70-0354-S
Acu-Loc 2 VDR Proximal Plate Wide, Right	70-0355-S
Acu-Loc 2 VDR Proximal Plate Standard Long, Right	70-0373-S
Acu-Loc 2 VDR Proximal Plate Standard, Right	70-0351-S
Acu-Loc 2 VDR Proximal Plate Narrow Long, Right	70-0383-S
Acu-Loc 2 VDR Proximal Plate Narrow, Right	70-0353-S

Extension Plates

Acu-Loc 2 VDR Extension Plate Long, Left	70-0365-S
Acu-Loc 2 VDR Extension Plate Long, Right	70-0366-S
Acu-Loc 2 VDR Extension Plate, Neutral	70-0364-S
Acu-Loc 2 VDR Hexalobe Extension Link Screw	30-0100-S

Frag-Loc® Screws

Frag-Loc Compression Sleeve	30-0370-S
Frag-Loc Compression Screw, Long	30-0372-S
Frag-Loc Compression Screw	30-0371-S

Frag-Loc® Instrumentation

Frag-Loc 2.5 mm Drill	80-0724-S

Acu-Loc Plates

Acu-Loc Dorsal Plate, Narrow, Left	70-0057-S
Acu-Loc Dorsal Plate, Standard, Left	70-0055-S
Acu-Loc Dorsal Plate, Standard, Right	70-0056-S
Acu-Loc Dorsal Plate, Narrow, Right	70-0058-S
Acu-Loc VDU Plate, Standard, Left	70-0045-S
Acu-Loc VDU Plate, Long, Left	70-0047-S
Acu-Loc VDU Plate, Long, Right	70-0048-S
Acu-Loc VDU Plate, Standard, Right	70-0046-S
Acu-Loc EX Standard	70-0063-S
Acu-Loc EX Narrow	70-0064-S

Distal Radius Fragment Specific (DRFS) Plates

Dorsal Rim Buttress Plate, Right	70-0335-S
Dorsal Rim Buttress Plate, Left	70-0336-S
Divergent Radial Styloid Plate	70-0331-S
Volar Lunate Suture Plate	70-0334-S
Dorsal Lunate Plate, Right	70-0337-S
Dorsal Lunate Plate, Left	70-0338-S