Item Catalogue

NUPCO CODE: 4232150023000 | SN: 772

NUPCO ITEM DESCRIPTION

PLATE, LCP ANATOMIC DISTAL RADIUS DORSAL VARIABLE ANGLE STAINLESS STEEL ASSORTED TYPES AND SIZES REQUESTED BY END USER

VENDOR PRODUCT DESCRIPTION

Acu-Loc 2 dorsal/fragment-specific distal radius plates

SKU CODES INCLUDED FOR THIS NUPCO CODE

70-0057
70-0055
70-0056
70-0058
70-0045
70-0046
70-0047
70-0048
70-0335
70-0336
70-0331
70-0334
70-0337
70-0338

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

Dorsal Lunate Plate and Dorsal Rim Buttress Plate Surgical Technique

William B. Geissler, MD

Figure 1

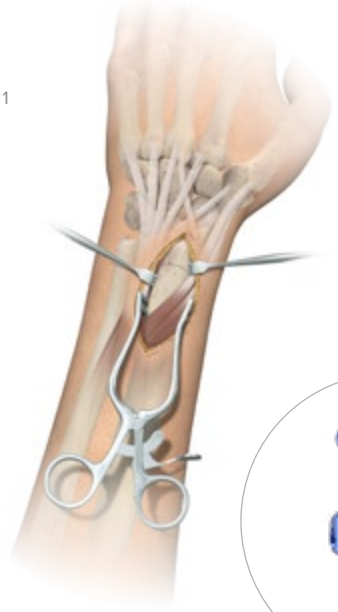


Figure 2

1 Incision and Dissection

Make a 6 cm incision in line with the middle finger starting just distal to Lister's tubercle and extending proximally. Carry down blunt dissection to protect the dorsal sensory branch of the radial nerve. Identify the extensor pollicis longus tendon distal in the wound and release through the third dorsal compartment. The tendon may be retracted radially or ulnarly depending on the fracture pattern.

Then subperiosteally elevate the second and fourth dorsal compartments to expose the dorsum. Ulnarly elevate the fourth dorsal compartment to the border of the distal radial ulnar joint (Figure 1).

Additional dissection is needed proximal to the distal radial ulnar joint (DRUJ) to accommodate the Dorsal Rim Buttress Plate (70-0335 or 70-0336) (Figure 2) ulnar-to-radial styloid screw which extends from just proximal to the DRUJ to the radial styloid.

Elevate the second dorsal compartment from the ulnar to radial to the level of the brachioradialis.

Figure 3

Figure 4

2 Dorsal Rim Buttress Plate Placement

If it is determined that the long ulnar-to-radial styloid screw is needed, the 2.0 mm Locking Drill Guide 6 mm–46 mm (80-0592) should be threaded into the plate prior to plate placement on bone (Figure 3). The ulnar-to-radial styloid screw hole is located on the angled plate tab next to the slot on the plate shaft.

Initially position the plate on the dorsal ulnar side of the radius. The buttress portion of the plate should be parallel to the radial inclination (Figure 4).

Dorsal Lunate Plate and Dorsal Rim Buttress Plate Surgical Technique [continued]

Figure 5

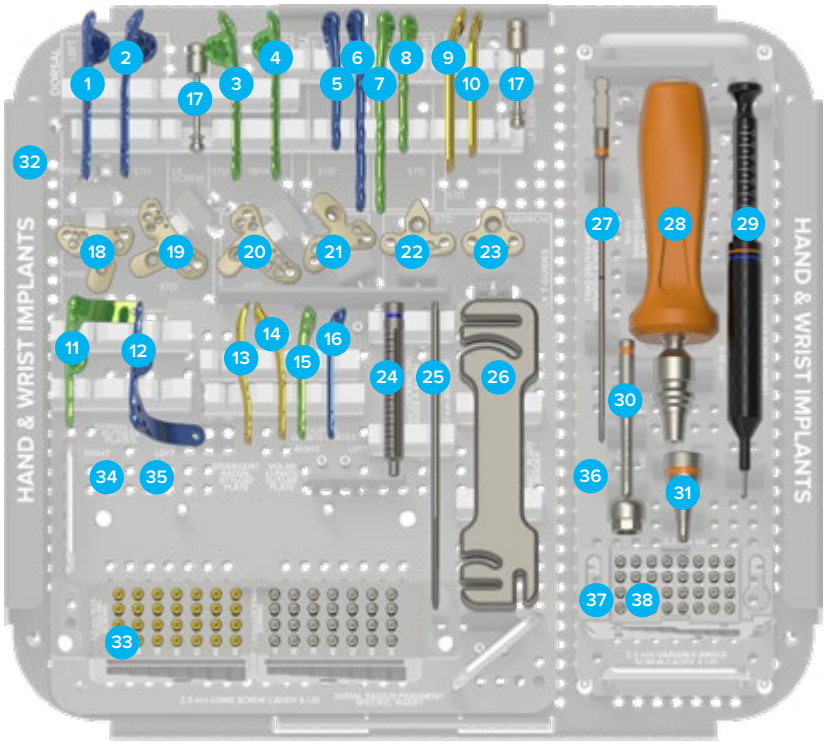
3 Minimally Invasive Technique

Alternatively, the Dorsal Lunate Plate (70-0337 or 70-0338) (Figure 5) may be inserted through a small incision directly over the fifth compartment. Make an incision in line with the ring finger centered over the distal radius.

The interval between the fourth and fifth dorsal compartment is then elevated to expose the dorsal ulnar corner of the radius.

Note: Keep in mind that the distal holes on the dorsal plates that support the lunate facet are not perpendicular to the plate, but are angled toward the volar ulnar corner of the distal radius.

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