Acumed® Acu-Loc® 2 Wrist Plating System

A comprehensive system to treat fractures of the distal radius and distal ulna, the Acu-Loc 2 Wrist Plating System offers Standard, Variable Angle Locking, Fragment-Specific, and Extension Plates to address a variety of fracture patterns. The original Acu-Loc Volar Distal Radius Plate has been a market leader in fracture fixation since its introduction in 2004. The Acu-Loc 2 Wrist Plating System introduced a patented cannulated compression screw and instruments designed to assist surgeons with plate placement and fracture reduction.
**System Features**

**Fixed-angle Screws and Pegs**
For targeted subchondral bone support, including two dedicated styloid screws.

**Frag-Loc® Compression Screw**
A two-part cannulated screw designed to compress dorsal fragments.

**Suture Holes**
Aid in fixation of small articular fragments.

**Fixed-angle Diverging Diaphyseal Screws**
Designed to provide pullout resistance.

**Proximal and Standard Volar Distal Radius (VDR) Plates**
These plates offer intra-articular or extra-articular fracture management while restoring original geometry with a precontoured plate design.
Proximal and Standard Volar Distal Radius (VDR) Plates

**Frag-Loc® Compression Screw**
The two-part, cannulated Frag-Loc Compression Screw is designed to reduce dorsal fragments to the Acu-Loc 2 VDR Plates, Distal Radius Fragment Specific (DRFS) Plates, Volar Lunate Suture Plate, Acu-Loc VDR Plates, and Acu-Loc EX Plates.

**Variable Angle Locking Screws**
2.3mm Variable Angle Locking Screws can be used in the distal styloid hole of the Standard VDR Plates and in all of the distal holes of the Proximal VDR Plates.

Standard VDR Plate with VAL Screw in distal styloid hole

Proximal VDR Plates

Standard Volar Distal Radius (VDR) Plates
Modular Extension Plate Attachments
Offer surgeons the option to extend any of the long and wide Volar Distal Radius Proximal Plates up to 176 mm

Wrist Spanning Plates
Designed to address complex distal radius fractures, these temporary fixators hold the wrist in distraction and provide ligamentotaxis while the distal radius heals
Distal Radius Fragment Specific (DRFS) Plates

Radial Styloid Plate
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.

Volar Lunate Suture Plate
Sutures may be placed through the volar capsule and suture holes in the plate for fixation of very small bone fragments in the volar ulnar corner of the radius.
**System Features**

**Dorsal Lunate Plates**
Used for stabilizing fracture patterns that involve the dorsal lunate facet of the distal radius and the sigmoid notch, the plates provide support to the lunate facet.

**Volar Distal Ulna (VDU) Plates**
Designed specifically for periarticular fractures of the distal ulna, the plate features screw positioning and angulation that targets distal fragments of the ulnar head and neck.

**Dorsal Rim Buttress Plates**
The plate is positioned on the dorsal ulnar side of the radius and extends radially to support dorsal rim comminution and the radial styloid.

**Dorsal Lunate Plates**
Used for stabilizing fracture patterns that involve the dorsal lunate facet of the distal radius and the sigmoid notch, the plates provide support to the lunate facet.
Acu-Loc Dorsal Plates
The locking Acu-Loc Dorsal Plates offer a solution to treat distal radius fractures that need to be addressed from the dorsal side.

Acu-Loc Extra-articular (EX) Plates
2.3 mm locking variable angle screws may be used in the distal row of the Acu-Loc EX Plates. These screws are provided to aid in the capture of specific fragments or to accommodate variations in patient anatomy.
Key Instruments

Cannulated Locking Bolt and Targeting Guide
Patented Radiopaque Positioning Posts aid in plate and screw positioning to avoid the joint space.

VDR Plate Positioning Handle
Assists with Acu-Loc 2 VDR plate placement while keeping the surgeon’s hands out of the fluoroscopy beam.

Kickstand Posts
Threaded plate posts are designed to assist with distal radius volar tilt correction by lifting the proximal end of the plate away from the radial shaft to form a stable platform.
Acu-Loc 2 DRFS Radial Styloid Plate and Dorsal Lunate Plate
Distal radius fracture, oblique view

Acu-Loc 2 Wrist Plating System
Volar AP view, distal radius fracture, Acu-Loc 2 volar plate
Acu-Loc DRFS Plates
Dorsal Rim Buttress plate

Acu-Loc 2 DRFS Volar Suture
Lunate Plate with FragLoc
Lateral view of scaphoid fracture and radius fracture, using Acutrak 2® Mini and Acu-Loc 2

Acu-Loc 2 Volar Plate
Lateral view, distal radius fracture
Acu-Loc 2 Volar Distal Radius (VDR) Surgical Technique

Exposure

Frag-Loc® Compression Screw Surgical Technique

Drilling Bicortically

2.3 mm Locking Variable Angle Screw Surgical Technique

Conical Drill Guide Placement

Exposure Plate Selection and Placement

Fracture Reduction

Measuring to Determine Screw Type

Drilling Distal Screws

Drilling Unicortically

Measuring Distal Screws
Surgical Technique Overview

Proximal Screw Placement → Distal Screw Holes Closure → Proximal Screw Placement

Frag-Loc® Wire Insertion → Final Confirmation

Proximal Screw Placement → Guide Wire (K-wire) Insertion

Frag-Loc Sleeve Insertion → Distal Screw Insertion

Closure and Postoperative Protocol
Final Confirmation
Acumed has the most complete selection of upper extremity fixation and specialty plates on the market.*

**Wrist Fixation: Acumed vs the Competition**

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*US market, as of February, 2018
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