

# Item Catalogue

NUPCO CODE: 4229660300200 | SN: 927

NUPCO ITEM DESCRIPTION

SET, COMPLETE INSTRUMENTATION FOR AC JOINT IMPLANT FIXATION, WITH NECESSARY CASE

VENDOR PRODUCT DESCRIPTION

Acumed precontoured clavicle plate and Acu-Sinch coracoclavicular repair family; final SKU depends on plate location, length, side, hole count and screw type.

SKU CODES INCLUDED FOR THIS NUPCO CODE

80-0734  
80-0649  
55-0005

## Anterior Clavicle Plate Surgical Technique [continued]



Figure 6

### 5 Nonlocking Screw Insertion

For early stability, place the first two screws medial and lateral to the fracture site. If bicortical screws are used, take precautions to avoid over-penetration of the posterior cortex. Place the Clavicle Retractor (PL-CL03) under the posterior surface of the clavicle to protect the neurovascular structures from over-penetration when drilling.

**Caution:** Replace the drill if it comes in contact with the clavicle retractor.

If drilling for 3.5 mm size screws, the Offset Drill Guide (PL-2095) is available to assist in providing compression. The green side of the drill guide is neutral, while the gold side will generate compression when used in a compression slot on the plate. After installing at least two screws, remove the K-wires holding the plate to the clavicle.

| Screw Size Option                                           | Drill                                       | Depth Gauge                                    | Driver                                     | Driver Handle                                          |
|-------------------------------------------------------------|---------------------------------------------|------------------------------------------------|--------------------------------------------|--------------------------------------------------------|
| 3.5 mm Nonlocking Hexalobe Screw (30-02XX)                  | 2.8 mm Quick Release Drill (80-0387)        | Depth Gauge 6–65 mm (80-0623)                  | T15 Stick Fit Hexalobe Driver (80-0760)    | Large Cannulated Quick Release Driver Handle (MS-3200) |
| 3.0 mm Nonlocking Hexalobe Screw (30-03XX)                  | 2.3 mm Quick Release Drill (80-0627)        | Depth Gauge 6–65 mm (80-0623)                  | T15 Stick Fit Hexalobe Driver (80-0760)    | Large Cannulated Quick Release Driver Handle (MS-3200) |
| Optional 3.5 mm (Nonlocking) Cortical (Hex) Screw (CO-3XX0) | 2.8 mm x 5" Quick Release Drill (MS-DC28)   | 6–70 mm Depth Gauge, 2 mm Increments (MS-9022) | 2.5 mm Quick Release Hex Driver (HPC-0025) | Large Cannulated Quick Release Driver Handle (MS-3200) |
| Optional 2.7 mm (Nonlocking) Cortical (Hex) Screw (CO-27XX) | 2.0 mm x 5" Quick Release Drill (MS-DC5020) | 6–70 mm Depth Gauge, 2 mm Increments (MS-9022) | 2.5 mm Quick Release Hex Driver (HPC-0025) | Large Cannulated Quick Release Driver Handle (MS-3200) |

## Acu-Sinch® Repair System [continued]

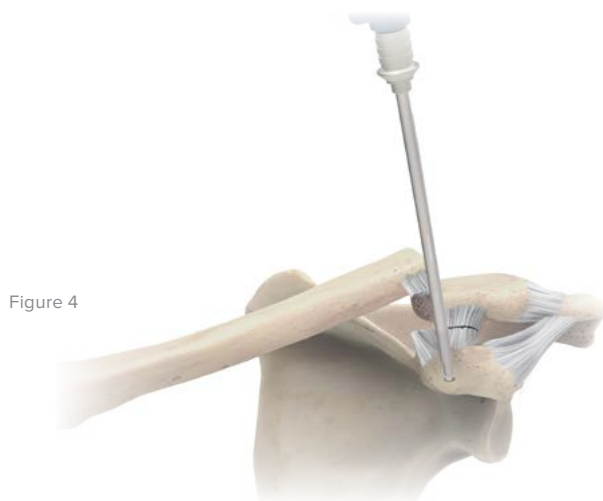


Figure 4

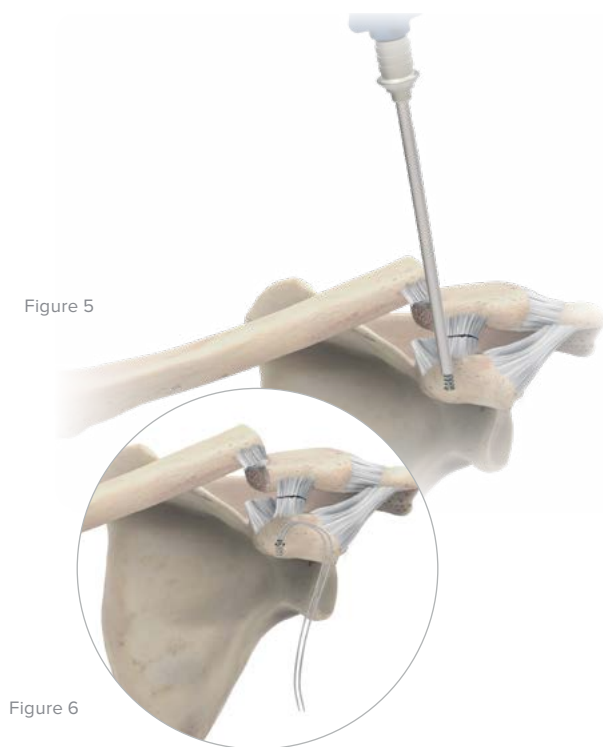


Figure 5

Figure 6

### 3 Coracoid Exposure and Drilling

Sharply incise the deltotrachezial fascia along the clavicle, then raise the subperiosteal flaps and protect for future deltotrachezial fascia repair. After the exposure to the fracture has been made, push the medial fragment of the clavicle posteriorly as far as necessary to allow exposure of the coracoid process, in particular the base of the coracoid. Bluntly dissect down to the superior bone surface of the coracoid.

Identify the center of the coracoid on the superior cortex to avoid bone cutout and drill through the first cortex using the Acu-Sinch Drill (80-0649). The Acu-Sinch Drill has a shoulder that is designed to prevent overdrilling. Do not drill through the second cortex. Damage to the anatomic structures around the coracoid is possible when overdrilling occurs. Precaution should be taken in cases of weak or soft bone as insufficient quantity or quality of bone is a contraindication for the device. Direct visualization or imaging should be used when drilling.

**Note:** Based on coracoid size and injury pattern, the surgeon can choose between one or two anchors at their discretion.

### 4 Anchor Insertion and Suture Release

Insert the anchor or anchors (preassembled with the suture on the Acu-Sinch Driver Assembly (80-0734) into the drill hole or holes to a depth with the driver interface barely sticking out. The shoulder on the Acu-Sinch Driver is intended to prevent inserting the anchor or anchors too deep.

Release the suture from the handle and position the suture strands anteriorly for use after plate installation has been completed.

**Note:** Direct visualization of the coracoid or imaging should be used when inserting the anchor to ensure that the anchor is not inserted too far into the coracoid.

## Acu-Sinch® Repair System [continued]

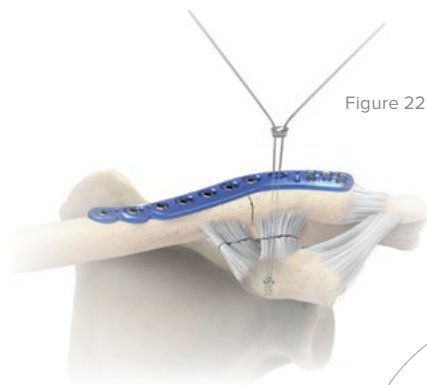


Figure 22

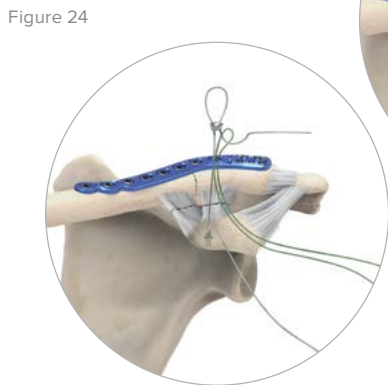


Figure 24



Figure 23

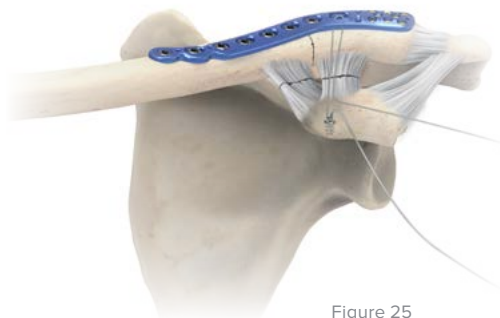


Figure 25

## 12 Suture Retainer Assembly, Reduction, and Knot Tying

If using a standard knot tying technique, orient the Acu-Sinch Suture Retainer (55-0005) with the concave surface facing away from the plate. Pass the suture strand ends through the holes on the flat side of the suture retainer or retainers. Slide the suture retainer into the plate slot or slots to sit flush with the top surface of the plate.

**Note:** Make sure the suture is not twisted prior to seating the retainer into the plate.

If using a subclavian knot tying technique, orient the suture retainer with the concave surface facing away from the plate. Pass the suture strand end from the Acu-Sinch Anchor through one hole on the flat side of the suture retainer and then back down the other hole in the retainer. Then pass the suture end through the shuttle loop of the additional #2 suture and using that loop, pull through the clavicle. Slide the suture retainer into the plate slot to sit flush with the top surface of the plate. If two anchors are used, repeat for the second location.

**Note:** Make sure there is no suture slack and that the suture is not twisted prior to seating the retainer into the plate.

For either knot tying technique, pull on the suture to get the proper tension and reduction, then secure the suture with a surgeon's knot and at least three additional reversing half hitches. A knot pusher may be required to apply the proper tension to the suture and to sit the knot down to achieve good knot security. This step completes the reduction and stabilization of the clavicle.

**Note:** Care should be taken when positioning the suture knot to avoid soft tissue irritation when closing the incision with the standard knot tying technique.

## Ordering Information

### Trays and Caddies

|                                                 |         |                                       |                                             |
|-------------------------------------------------|---------|---------------------------------------|---------------------------------------------|
| Universal Tray Clavicle Plate Insert Base       | 80-0308 | 3.5 mm Hexalobe Short Screw Caddy Lid | 80-0856                                     |
| Universal Tray Large Base                       | 80-0342 | 3.0 mm Hexalobe Short Screw Caddy     | 80-1066                                     |
| Universal Tray Large Lid                        | 80-0343 | 3.0 mm Hexalobe Short Screw Caddy Lid | 80-1067                                     |
| Universal Tray Screw Insert Base                | 80-0346 | Clavicle 3 Instrument Tray 1          | 80-3789                                     |
| Universal Tray Utility Insert                   | 80-0347 | Clavicle 3 Instrument Tray 2          | 80-3790                                     |
| Universal Tray Low Profile Clavicle Insert Base | 80-0525 | Optional                              |                                             |
| 3.5 mm Hexalobe Short Screw Caddy               | 80-0843 |                                       | Universal Tray Standard Screw Caddy 80-0348 |

### Trial Plates

|                                              |           |                                                    |         |
|----------------------------------------------|-----------|----------------------------------------------------|---------|
| Distal Clavicle Plate Trial, Long            | 71-0111   | Low-profile Clavicle Trial, 8-hole Medium          | 71-0290 |
| Distal Clavicle Plate Trial, Short           | 71-0116   | Low-profile Clavicle Trial, 8-hole Small           | 71-0292 |
| 8-hole Lateral Anterior Clavicle Plate Trial | 71-0118   | Low-profile Clavicle Trial, 10-hole                | 71-0294 |
| 8-hole Medial Anterior Clavicle Plate Trial  | 71-0119   | Narrow-profile Clavicle Trial, 6-hole              | 71-0296 |
| 6-hole Medial Anterior Clavicle Plate Trial  | 71-0120   | Narrow-profile Clavicle Trial, 8-hole Straight     | 71-0298 |
| 10-hole Anterior Clavicle Plate Trial        | 71-0121   | Narrow-profile Clavicle Trial, 8-hole Large        | 71-0300 |
| 6-hole Lateral Anterior Clavicle Plate Trial | 71-0122   | Low-profile Clavicle J-Plate Trial, 8-hole         | 71-0319 |
| Distal Clavicle Plate 3.5 mm 16-Hole Trial   | 7102-0416 | Locking Clavicle Plate 8-hole Straight Right Trial | 75-0001 |
| Low Prof Clavicle Trial, 8-Hole Straight     | 71-0286   | Locking Clavicle Plate 8-hole Straight Left Trial  | 75-0002 |
| Low Prof Clavicle Trial, 8-Hole Large        | 71-0288   | Distal Clavicle Plate 16-hole Trial Blank          | 99-0281 |

### Acu-Sinch® Kit

|                            |           |
|----------------------------|-----------|
| Acu-Sinch Kit              | 46-0001-S |
| Acu-Sinch Driver Assembly* | 80-0734   |
| Acu-Sinch Drill*           | 80-0649   |
| Acu-Sinch Suture Retainer* | 55-0005   |

\*Included in the Acu-Sinch Kit