American Surgical
Specialties Company

Complete Shoulder Retractor Set

Surgical Technique Guide

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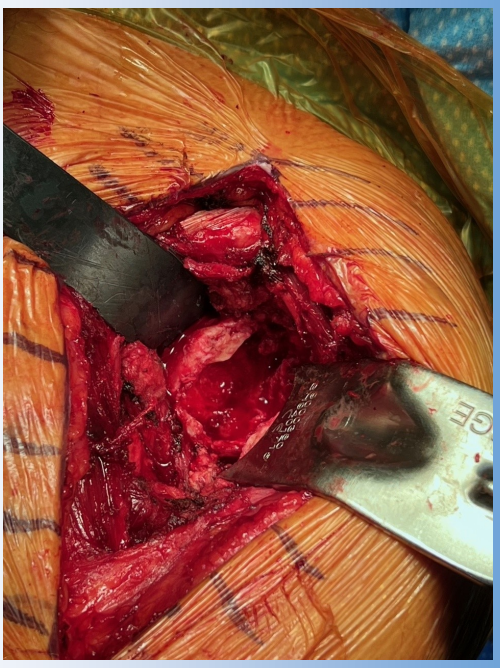
Fukuda Shoudler Retractors-T-Handle



Three different sizes of Fukuda Retractors with different ring/ apertures. Designed with a cutout for the glenoid reamers. The large T -handle offers comfort and strength for optimal leverage for exposure of the glenoid. The T-Handles offer rotational control to access different aspects of the posterior glenoid when needed, also useful when placing the trial or final implant. 770-081M 41x40mm, 771-081M 38x36mm, 770-084 34x28mm

Fukuda Shoudler Retractors-Extended Handle

Two different sizes with reamer cutouts to allow easy access and relief for the reamers. The extended handle makes it easier for the assistant to provide leverage for glenoid exposure. 771-003M 42x32mm, 771-003M 34x28mm

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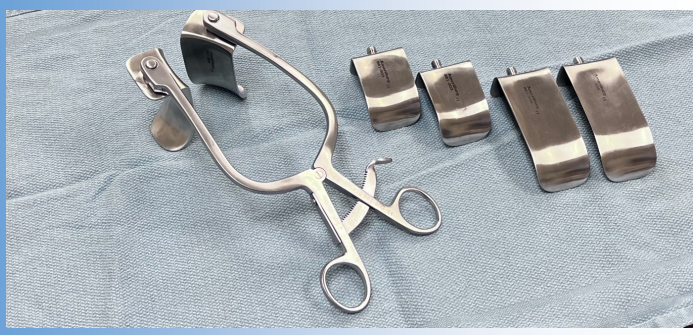
Crego Humeral Version Guide

Most arthroplasty systems have extramedullary and intramedullary guides for inclination. The version of the cut is then determined by version rods extending off of the guide. These rods are supposed to be lined up with the forearm to guide the version cut. A more simple and anatomic method of determining the version is by using each patient's cuff insertion which defines the anatomic version. The humerus is exposed and the subscapularis is either tenotomized, peeled or an LTO is performed. This instrument is designed to slide under the superior cuff into the bare area posteriorly. As such this instrument then itself defines the anatomic version as it is placed at the cuff insertion. It also provides a guide for the depth of the cut. The humeral cut is then made aiming at the retractor in the bare area.

Thin Glenoid Retractors

The Shoulder Retractor set offers two Thin Glenoid Retractors, Narrow and Wide. Each retractor is placed under the subscapularis on the anterior glenoid neck to expose the glenoid. Can be used in arthroplasty and instability. 861-1910 14mm, 861-1920, 22mm.

Kolbel Self Retaining Retractor



The Kolbel Self Retaining Retractor is a staple of shoulder surgery for anterior and lateral exposure. This set offers 3 pairs of different size blades for all patients. 861-203 36x53mm, 861-204 36x68mm, 861-205 36x85mm

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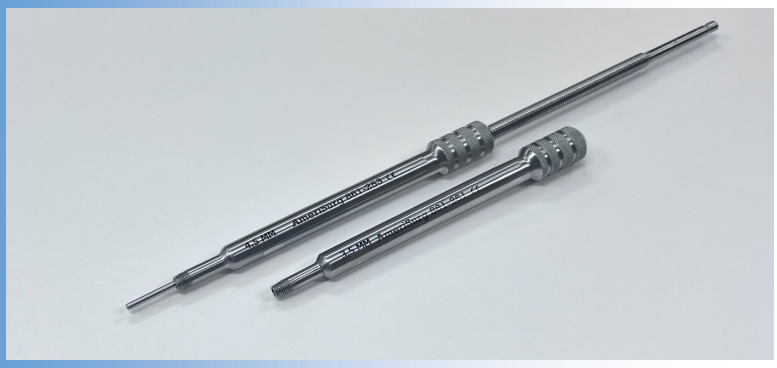
Joint Jack Fracture Reduction System



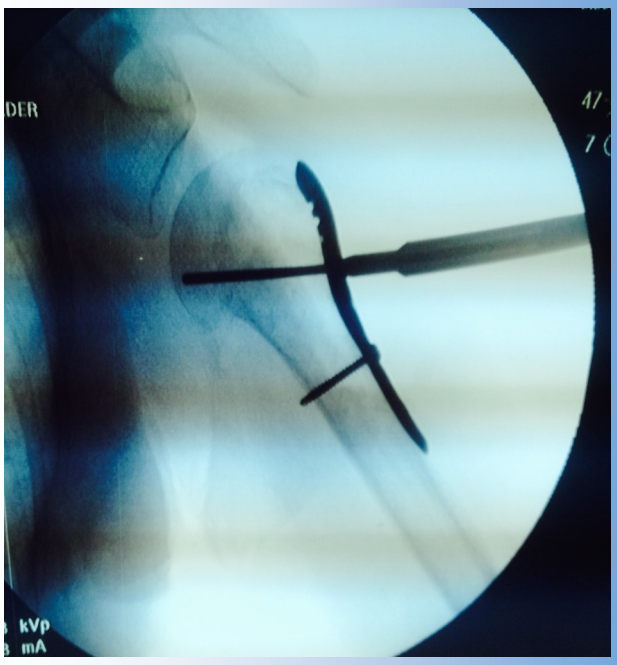


Figure 1

The Joint Jack Fracture Reduction System is designed to be used with many different sizes and configurations of proximal humeral plates.

For fracture reduction, affix a proximal plate with a distal screw as seen in Figure 1

1. **Identify the appropriate size of outer sheath, (861-251) 3.5mm or (861-253) 4.5mm for the plate being used. The threads are conical and should be accepted by most of the commonly used proximal humeral plates. Thread into a center or more proximal thread from the first fixation screw. Align the outer sheath and aim towards the inferior portion of the head. This will aid in restoring the calcar by elevating the head into anatomic position.**
2. **Advance the Inner/threaded component (861-255) into the outer sheath under fluoroscopic guidance to elevate and hold the humeral head into anatomic position with the humeral shaft. The threaded component is used with any AO quick connect handle, not supplied. Once the desired position and reduction is achieved, the surgeon can bone graft if needed, and place permanent fixation screws.**
3. **Remove the Joint Jack in reverse order. Affix a supporting screw into its place.**

***This technique works best if used with plates that have an oblong hole in the shaft section that allow for superior/inferior plate adjustment after the head is elevated.**

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Shoulder Spreader with Modular Jaws

The custom shoulder lamina spreader is designed for posterior joint access and exposure. Use of the spreader includes removal of loose bodies, labral tissue, diseased synovium, open instability cases where anterior and posterior pathology is present, also used for posterior capsular releases or imbrication to balance the shoulder. 861-505

Tip Configurations

Grooved and Smooth Convex Pads-To be used on the glenoid side, Smooth pads can be used on a prosthetic glenoid component.

The Male Block or Trunnion Tip can be used in the female taper of a humeral implant. See Figure 2 with Smooth/Trunnion Tip Assembled

A Gerber Ring attachment (not imaged) can be placed over one arm and used to expose the posterior aspect of the native joint in open instability cases where there is both anterior and posterior pathology .

Figure 2

Stainless Steel Darrach Elevator

Stainless Smooth-Faced Darrach is used in the glenohumeral joint, in conjunction with deltoid retractors, to dislocate the humeral head. 776-005

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Delrin Darrach Elevators

Designed to be radiolucent as well as soft tissue and nerve sparing. There are 2 thicknesses, 3mm and 6mm, commonly referred to as Stiffler and Flimsy. Stiffler can be used for the humeral exposure after the prosthetic glenoid has been placed, minimizing damage to the soft polyethelene. Flimsy can be used to expose the humeral head but primarily as an anterior glenoid retractor. The malleability decreases tension on the axillary nerve during exposure. 770-083, 770-084

Humeral Retractor

Figure 2

Designed to be used on the medial aspect of the humerus for humeral exposure. The curve in the distal end conforms to the curvature of the humerus. Once the head cut is made, and the calcar osteophytes are removed, it is especially beneficial for head sizing and exposure. The slight bend in the terminal end creates a small gap/relief medially to allow for unencumbered head sizing and placement. This retractor is radiolucent and soft tissue and nerve sparing.

Delrin Instruments Shown in Figure 2:

Humeral Retractor-771-340D

Stiffler Darrach-770-082

Large Brown Retractor-860-1670-02D

Kelly and Richardson Retractors

The system delivers 5 Kellys and Richardson Retractors to accommodate most anatomy's. Sizes range from 3/4" to 3" with soft and curved edges for arthroplasty and/or fracture procedures. The distal tips are curved to better capture and hold soft tissue. The lateral edges are slightly beveled/rolled to be soft tissue sparring. These retractors also have softer ergonomic handles for a more comfortable grip.

Notes:

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