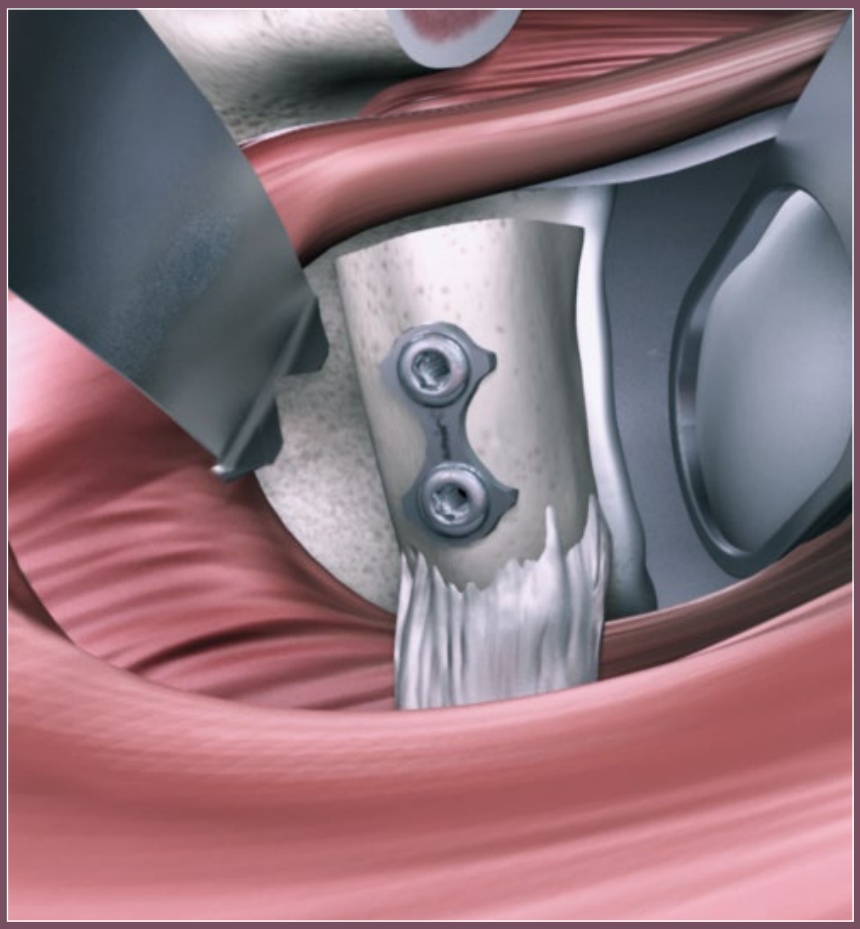
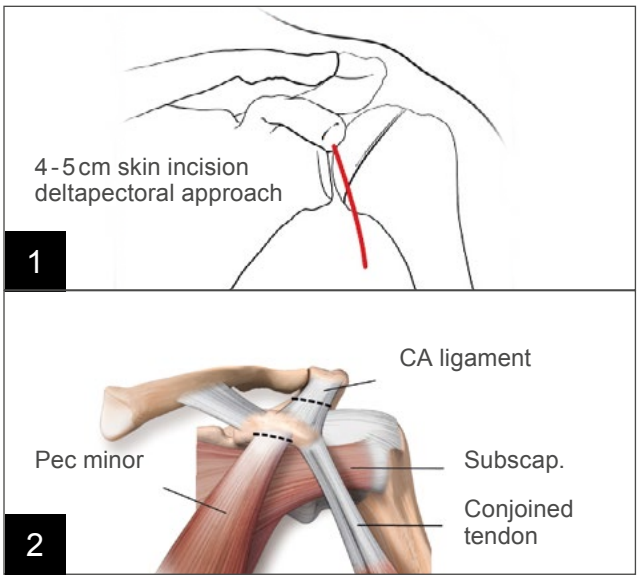
Mini Open Latarjet

Surgical Technique



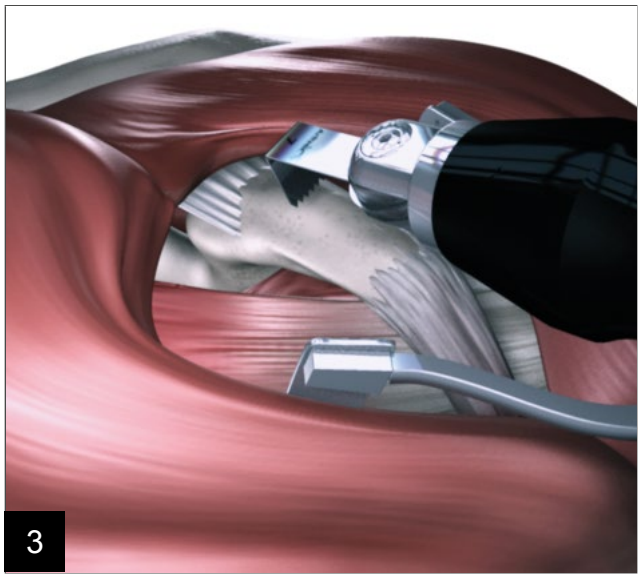
Arthrex®

Mini Open Latarjet Technique

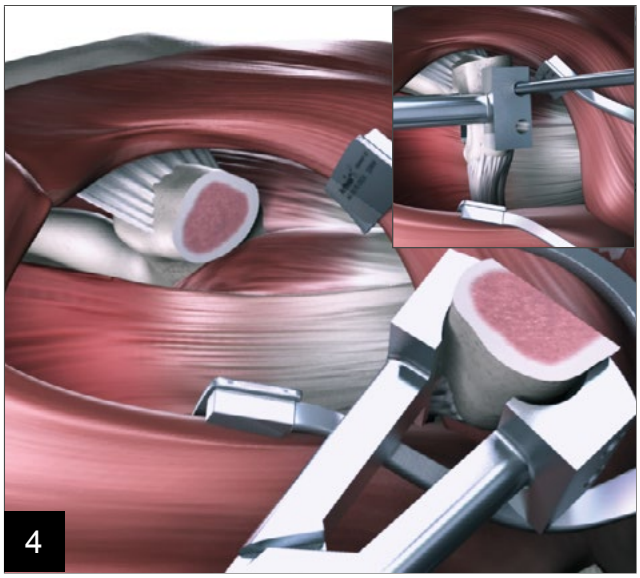


A 5 cm skin incision is made starting at the tip of the coracoid process and extending inferiorly, through the deltopectoral approach. Mayo scissors are used to clear the superior aspect of the coracoid process and a Hohmann retractor is placed over the top of the coracoid process.

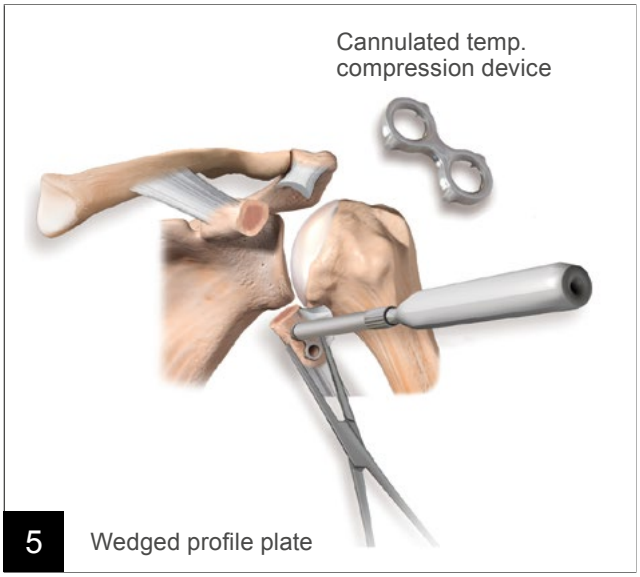
- Incise clavicopectoral fascia
- Dissect CA ligament
- Release the pectoralis minor from the coracoid



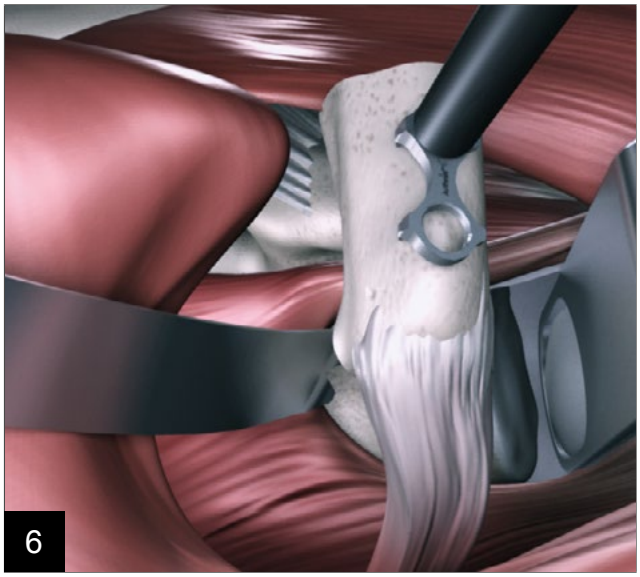
- Dissect fibrofatty tissue from inferior coracoid to its base
- Dissect up to CC ligaments
- Use 90° angled saw blade or osteotome to resect the coracoid



- Prepare the side of the coracoid that will face the glenoid
- Drill two parallel holes in the coracoid using the coracoid drill guide and a 2.75 mm drill



5 Wedged profile plate



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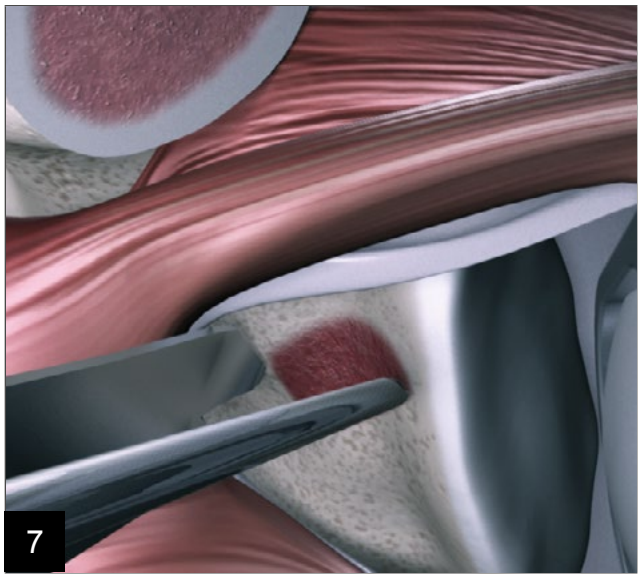
Wedged Profile Plate

- The wedged profile improves the match between the coracoid bone block and the glenoid
- Four spikes for more stability
- Two screw holes distribute the load evenly and avoid fracture of the bone block

NOTE: The thicker part of the plate has to be positioned medial to the glenoid neck.

- Choose the cannulated temporary compression device and fix one side of the plate to the coracoid
- Define the superior border of the subscapularis
- Split the subscapularis and open the capsule to expose the anterior glenoid
- Use the Gelpi retractor to keep the joint open
- Use the Fukuda, Swan and Blade retractors to ensure the access to the anteroinferior part of the glenoid



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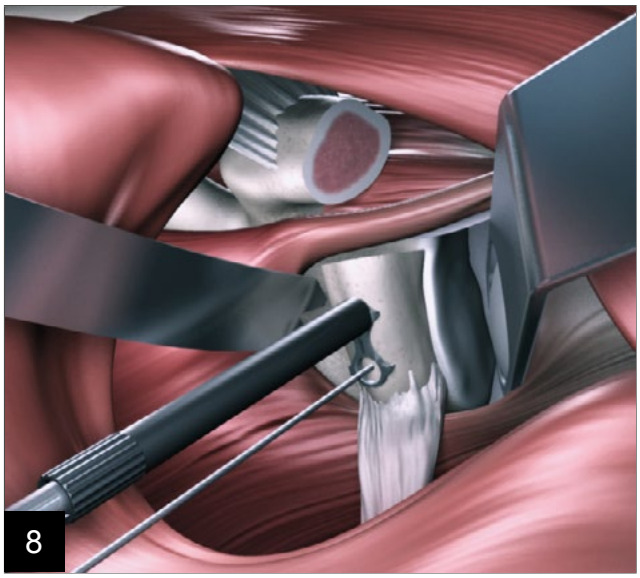

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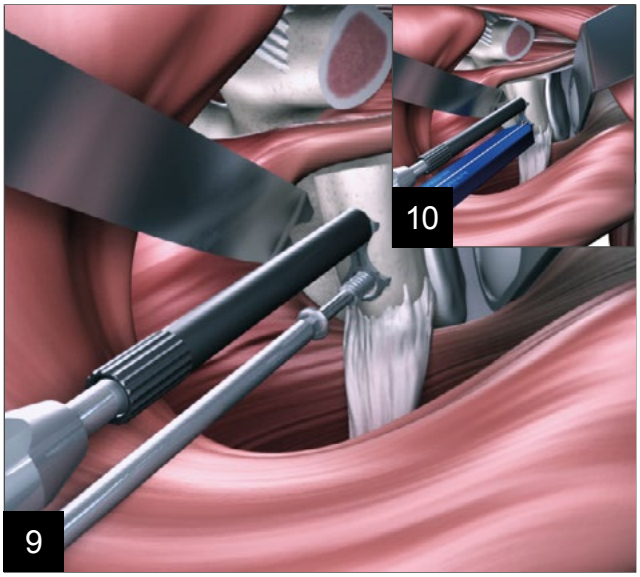
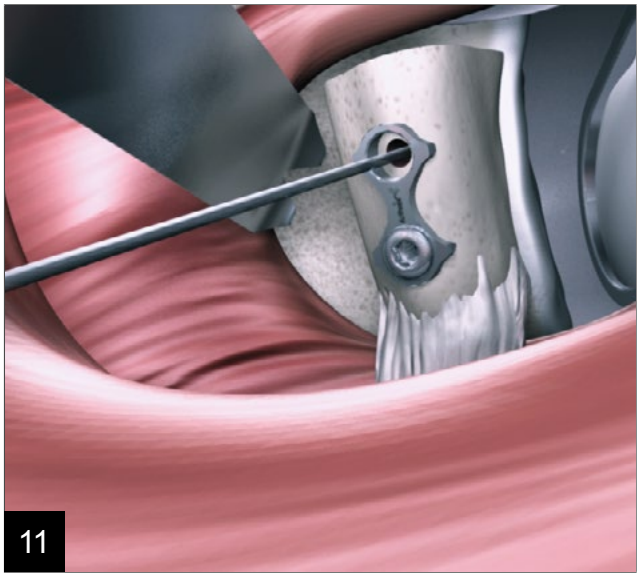
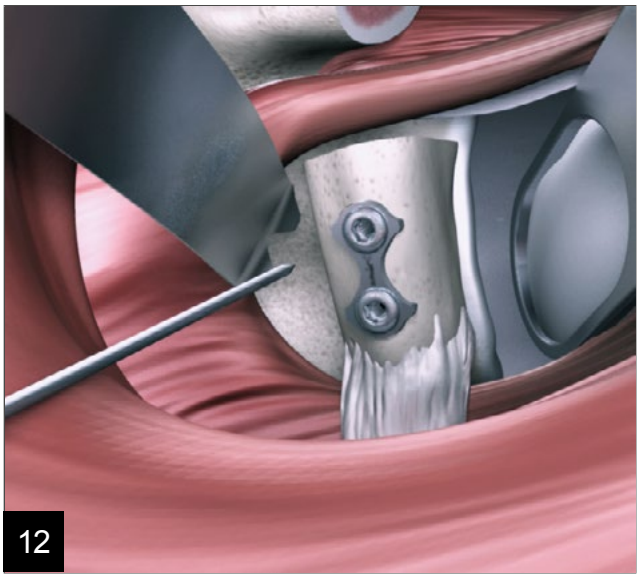
- Prepare the glenoid neck with a burr
- Position the coracoid on the prepared glenoid with the temporary compression device and drill one guidewire through the free hole of the plate into the glenoid
- Drill a second guidewire through the cannulation of the temporary compression device



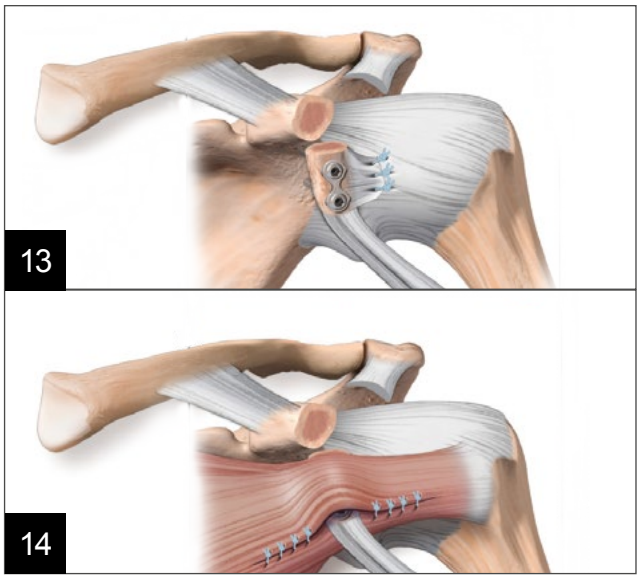
- Measure the appropriate length of the screw needed
- Leave the temporary compression device in position
- Insert the first screw over the guidewire into the plate / bone construct



- Make sure the bone graft is positioned properly on the glenoid rim
- Remove the temporary compression device and apply the second screw over the guidewire
- The plate ensures a proper contact area between coracoid and glenoid

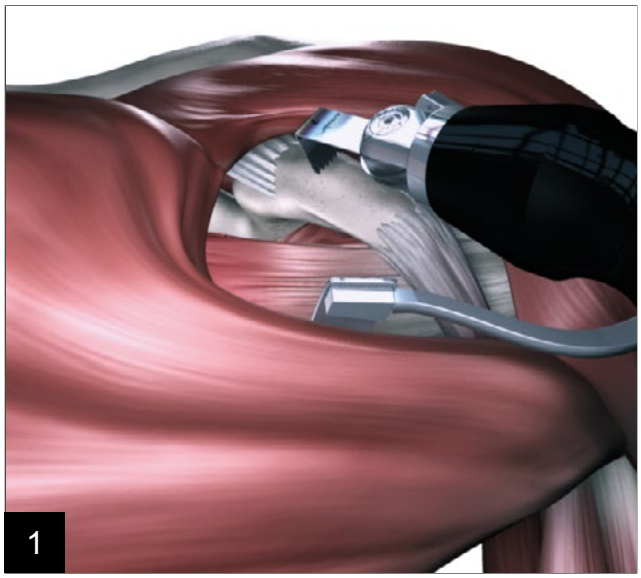


- Conjoined tendons provide extra joint stability
- Labrum can be refixed to the glenoid using suture anchors which should be placed next to the graft

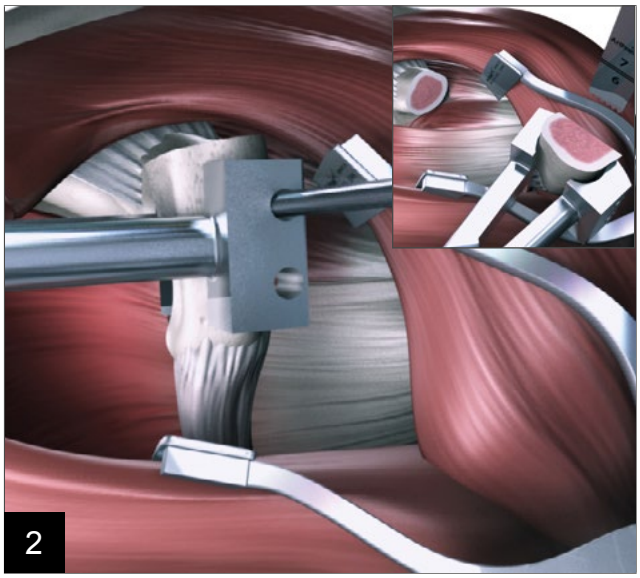


- The CA ligament stump is sutured to the capsule
- Layer-by-layer closure of the wound

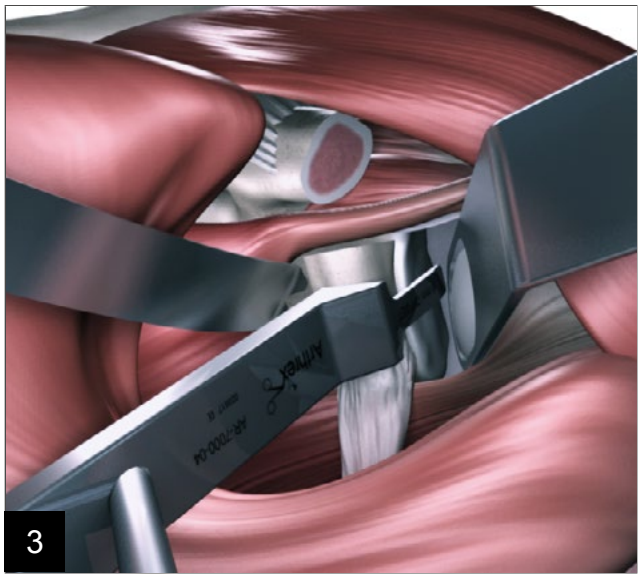
Alternative Technique



- Dissect fibrofatty tissue from inferior coracoid to its base
- Dissect up to CC ligaments
- Use osteotome or 90° angled saw blade to resect the coracoid

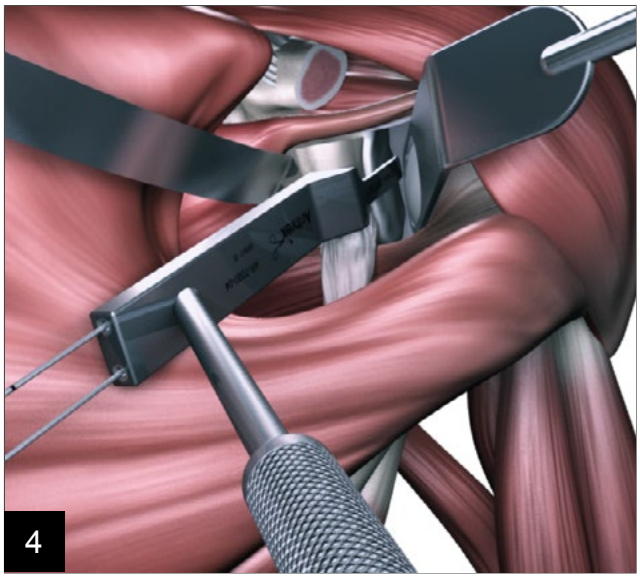


- Prepare the side of the coracoid that will face the glenoid
- Drill two parallel holes in the coracoid using the coracoid drill guide and a 4 mm drill

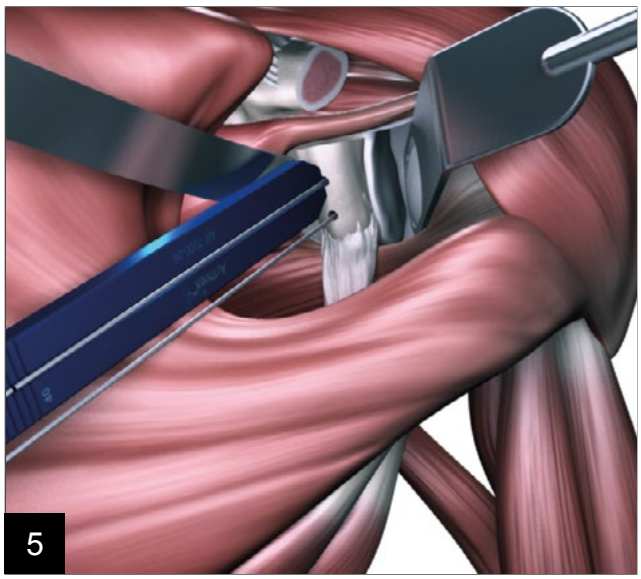


- Select the appropriate glenoid drill guide (6 or 8 mm offset) and fix the coracoid block on the drill guide

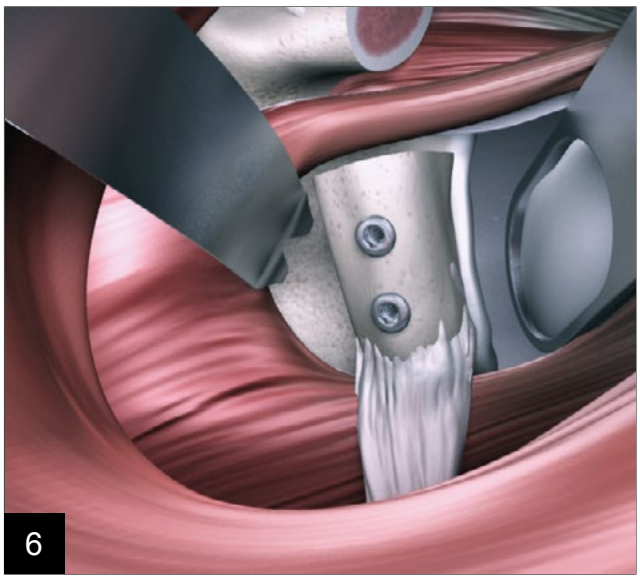
As an option the wedged profile plate can be placed between bone and guides.



- Position the glenoid drill guide with the coracoid block on the glenoid rim and drill two guidewires through the guide into the glenoid



- Remove the drill guide and shape the graft with a rongeur, if necessary
- Measure the required screw length using the measuring device
- Use a 2.75 mm drill over the guidewire to predrill the glenoid



- The final fixation is achieved by two cannulated 4.5 mm screws

Ordering Information

Product Description	Item Number
Implants / Disposables	
Wedged profile plate	AR-**8111**
Low Profile Screw™, Ti, 4.0 x 30 mm, cannulated, long thread, cancellous	AR-**8740-30PTL**
Low Profile Screw™, Ti, 4.0 x 32 mm, cannulated, long thread, cancellous	AR-**8740-32PTL**
Low Profile Screw™, Ti, 4.0 x 34 mm, cannulated, long thread, cancellous	AR-**8740-34PTL**
Low Profile Screw™, Ti, 4.0 x 36 mm, cannulated, long thread, cancellous	AR-**8740-36PTL**
Low Profile Screw™, Ti, 4.0 x 38 mm, cannulated, long thread, cancellous	AR-**8740-38PTL**
K-wire trocar tip 1.3 mm, 150 mm length, for 4 mm screws	AR-**14513K**
K-wire, 1.4 mm x 300 mm, for 4 mm screws	**KW02-300-14.A**
Screwdriver, T15 hexalobe, cannulated, for 4 mm screws	AR-**8943-09**
Low Profile Screw™, Ti, 4.5 mm x 30 mm, cannulated, partially threaded	AR-**8945-30PT**
Low Profile Screw™, Ti, 4.5 mm x 32 mm, cannulated, partially threaded	AR-**8945-32PT**
Low Profile Screw™, Ti, 4.5 mm x 34 mm, cannulated, partially threaded	AR-**8945-34PT**
Low Profile Screw™, Ti, 4.5 mm x 36 mm, cannulated, partially threaded	AR-**8945-36PT**
Low Profile Screw™, Ti, 4.5 mm x 38 mm, cannulated, partially threaded	AR-**8945-38PT**
Low Profile Screw™, Ti, 4.5 mm x 40 mm, cannulated, partially threaded	AR-**8945-40PT**
0.062" (1.57 mm) guidewire, 7" (177.8 mm), for 4.5 mm screws	AR-**8941-7**
0.062" (1.57 mm) guidewire, 12" (304.8 mm), for 4.5 mm screws	AR-**8941-12**
Screwdriver shaft, cannulated, 3.5 mm hex, for 4.5 mm screws	AR-**8100D**
Accessory Instruments	
Glenoid bone augmentation case	AR-**8100C**
Screw caddy for mini open shoulder - glenoid bone augmentation screw caddy	AR-**8100C-SC**
Swan retractor, right	AR-**8102R**
Swan retractor, left	AR-**8102L**
Gelpi retractor	AR-**8104**
Gelpi retractor for arthroscopic use	AR-**8104A**
Nerve & fascia retractor	AR-**8101**
Bended blade retractor, 18 mm	AR-**8100-18**
Bended blade retractor, 26 mm	AR-**8100-26**
Parallel drill guide, 6 mm offset	AR-**7000-04**
Parallel drill guide, 8 mm offset	AR-**7000-05**
Handle, drill guide, 6.50" (16.5 cm) long	AR-**9215-1-01**
Screw length gage, glenoid bone loss	AR-**7000-06**
Coracoid drill guide	AR-**7000-07**
Fukuda style retractor	AR-**7000-08**
Drill, 2.75 mm, 0.066" (1.67 mm) cannulation	AR-**7000-14**
Bio-Tenodesis™ screw drill, 4.0 mm	AR-**1204D**
Driver handle with AO connection, medium	AR-**13421AO**
Chondro osteotome (100 mm)	AR-**1767**
300 sagittal saw blade, angled, 19 x 10 x 0.6 mm	AR-**300-450S**
Temporary compression device, cannulated	AR-**14023TCDC**
Optional	
Mini open shoulder retractor, 21 mm	AR-**8100-21**
Modular soft tissue retractor atraumatic replacement paddle, 50 mm, right	AR-**8170-50DR**
Modular soft tissue retractor atraumatic replacement paddle, 50 mm, left	AR-**8170-50DL**
Osteotome blade, glenoid bone loss	AR-**7000-01**
Osteotome blade shield	AR-**7000-02**
Dovetail meniscal allograft osteotome handle	AR-**2961**

Please note that not all products advertised in this brochure / surgical technique guide may be available in all countries. Please ask the Arthrex Customer Service or your local Arthrex Representative before ordering if the desired product is available for delivery. Thank you very much.

Developed in conjunction with Dr. G. Di Giacomo, Dr. A. Costantini, Dr. A. DeVita, Prof. Ph. Hardy, Dr. N. Graveleau, Dr. J. Barth, Dr. S. Lichtenberg.

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