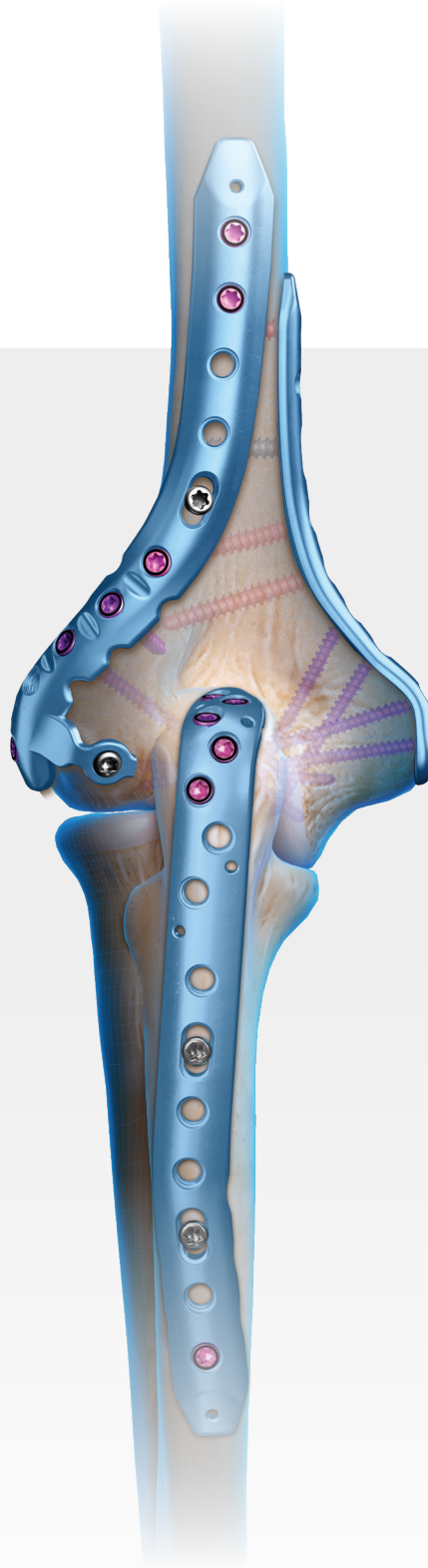


Arthrex Elbow Plating System

Distal Humerus and Olecranon Plating



Introduction

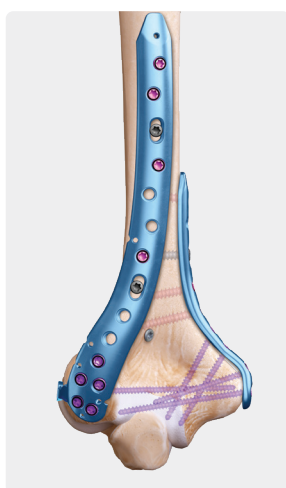
Distal humerus and olecranon fractures are frequently complicated by variables such as the amount of comminution, degree of osteoporosis, location of the fracture, and size of the patient. Designed to be the most comprehensive set available for the treatment of these common injuries, the Arthrex Elbow Plating System incorporates an array of low-profile plates, KreuLock™ locking compression screws, and adjunct fixation tabs.

System features include:

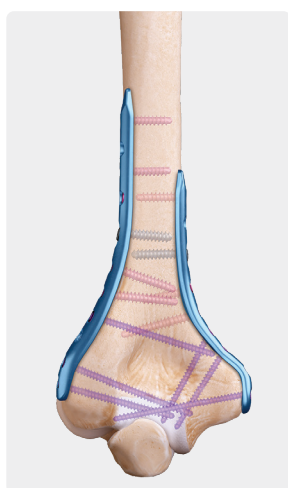
- › Medial, lateral, lateral biplanar, posterolateral, and extra-articular distal humerus plates
- › Distal humerus plates allow for orthogonal and parallel constructs.
- › Dorsal olecranon and olecranon osteotomy plates
- › T10 2.7 mm or 3.5 mm shaft hybrid screws are interchangeable in all holes.*
- › Removable tabs on the posterolateral and lateral biplanar distal humerus plates allow for additional fixation.
- › All plates have suture eyelets to facilitate soft-tissue fixation.

*The extra-articular distal humerus plate has stouter, true 3.5 mm screws in the shaft.

The distal humerus fracture plates and olecranon fracture plates are indicated for adult patients. The distal humerus and olecranon fracture plates are indicated for fixation of fractures of the humerus and ulna. 180° plate configuration is achieved with a medial plate and a lateral or lateral biplanar plate. 90° plate configuration is achieved through a posterolateral and medial plate construct.



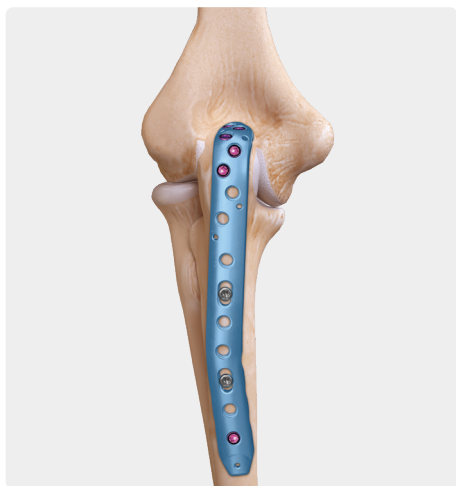
Posterolateral and Medial



Lateral and Medial



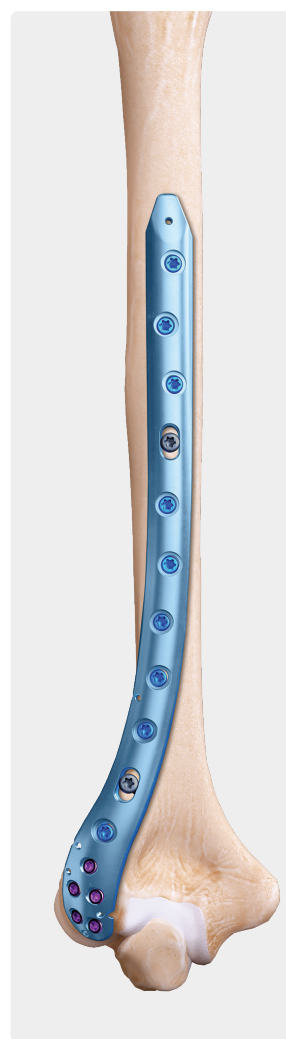
Lateral Biplanar and Medial



Dorsal Olecranon



Olecranon Osteotomy



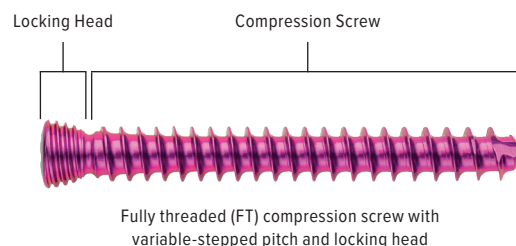
Extra-Articular

Screw Options

The screws included in the Elbow Plating System all have a T10 head, allowing each locking and nonlocking hole in the distal humerus and olecranon plating portfolio to accept either a 2.7 mm or a 3.5 mm shaft hybrid screw. The only exception is the extra-articular plate, which has T15 3.5 mm screws in the shaft to provide more stability to the reinforced plate. The KreuLock™ locking compression screws allow for a 24° cone, or 12° in any direction, of variable-angle locking fixation.

KreuLock screws combine the same proven variable-stepped pitch technology found in the Compression FT screws and also have a locking head.

- › Compress fractures and bony fragments and bring the plate to the bone while also locking into the plate
- › Saves time—may eliminate the need to use a nonlocking screw and later replace it with a locking screw
- › Compatible with existing plating systems of the same size



2.7 mm KreuLock Locking Compression Screws (AR-8927VCL-xx)

Lengths from 10 mm-80 mm

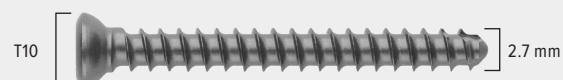
- › 10 mm-16 mm (1 mm increments)
- › 18 mm-60 mm (2 mm increments)
- › 60 mm-80 mm (5 mm increments)



2.7 mm Cortical Screws (AR-18827-xx)

Lengths from 10 mm- 80 mm

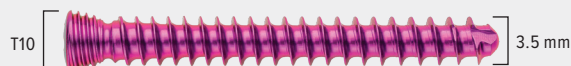
- › 10 mm-16 mm (1 mm increments)
- › 18 mm-60 mm (2 mm increments)
- › 60 mm-80 mm (5 mm increments)



3.5 mm Shaft Hybrid KreuLock Locking Compression Screws (AR-8933HVCL-xx)

Lengths from 12 mm-60 mm

- › 12 mm-60 mm (2 mm increments)



3.5 mm Shaft Hybrid Cortical Screws (AR-8933HY-xx)

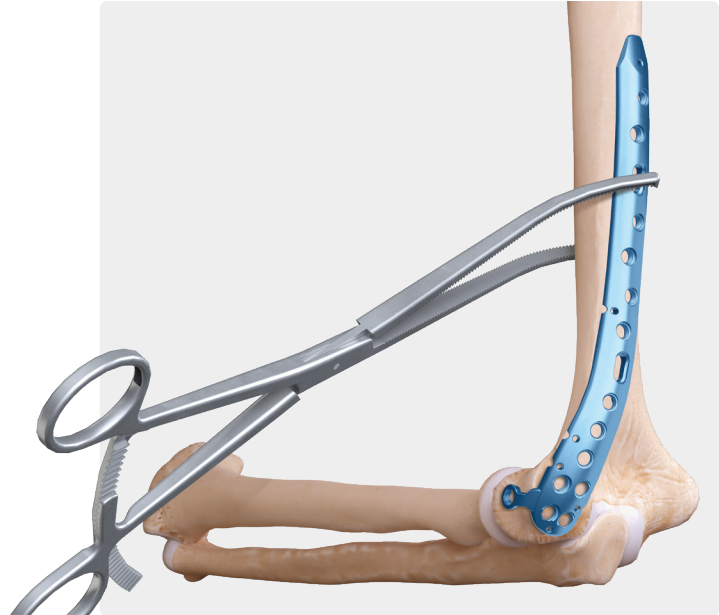
Lengths from 10 mm-60 mm

- › 10 mm-60 mm (2 mm increments)

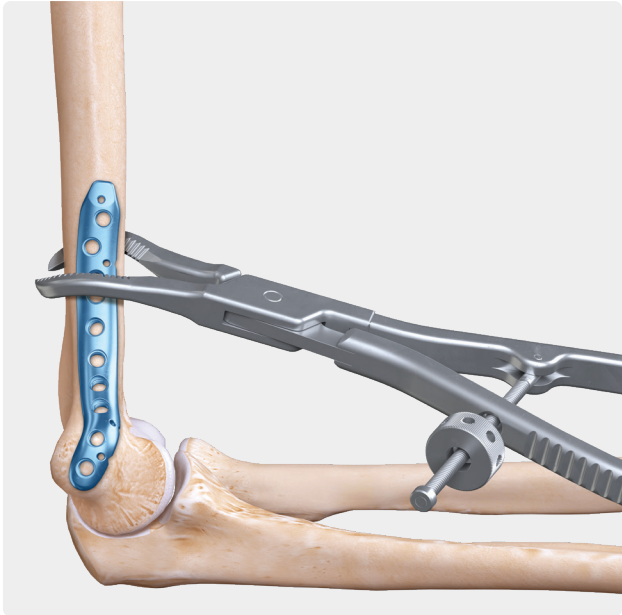


Reduction

Reduction and Compression Clamps



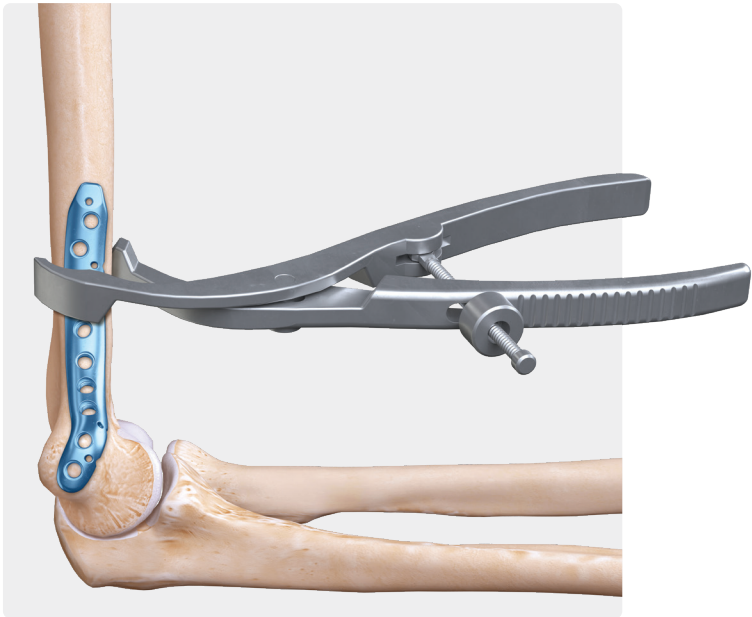
Toothed Kocher
AR-7650-28



Lobster Claw
AR-7650-36



Weber Clamp
AR-8943-24

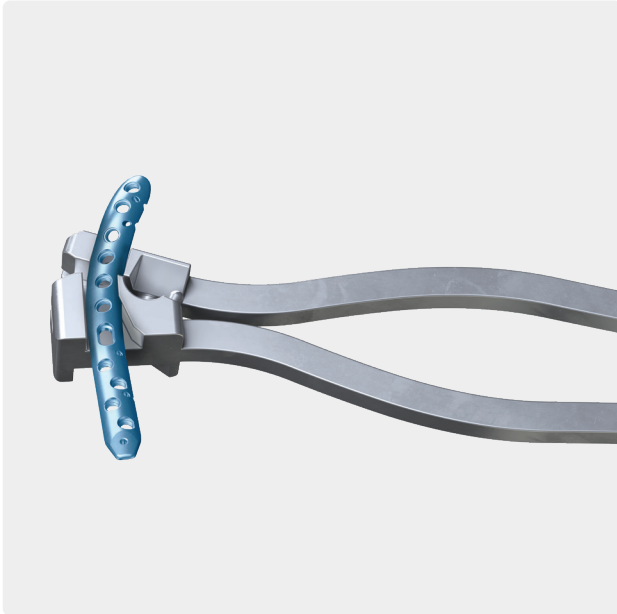


Verbrugge
AR-8943-39

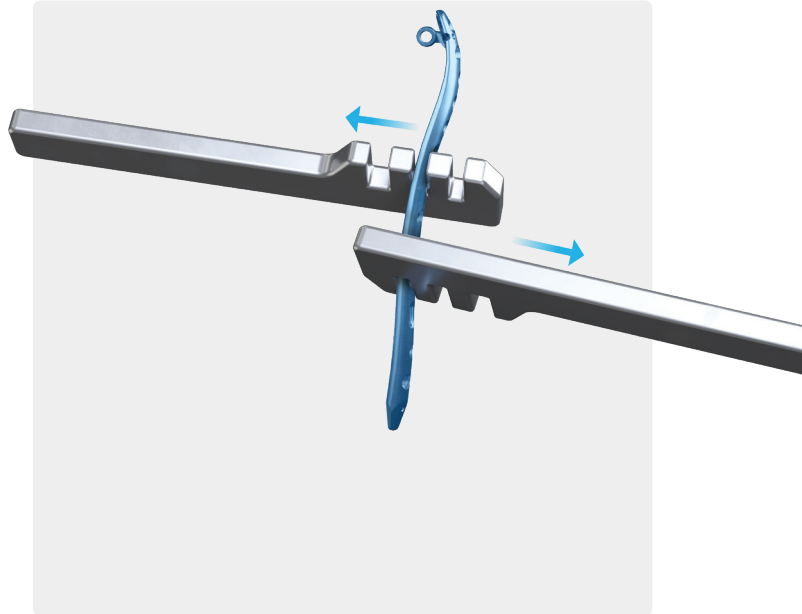
Plate Contouring and Modification

Plate Benders

There are two plate benders available in the Elbow Plating System. Slight bending may be necessary when variable patient anatomy is encountered. Standard bending irons are available, as well as French benders if more leverage is needed. Plates can be loaded in a variety of ways for in-plane and out-of-plane bending to create radial bends, smooth curves, or more acute bends.



French Bender
AR-7650-27



Bending Iron
AR-7650-30

Plate Cutter

The plate cutter can be used to remove the tabs on the posterolateral and lateral biplanar distal humerus plates. The rasp on the bending iron (AR-7650-30) may be used to smooth any rough edges.

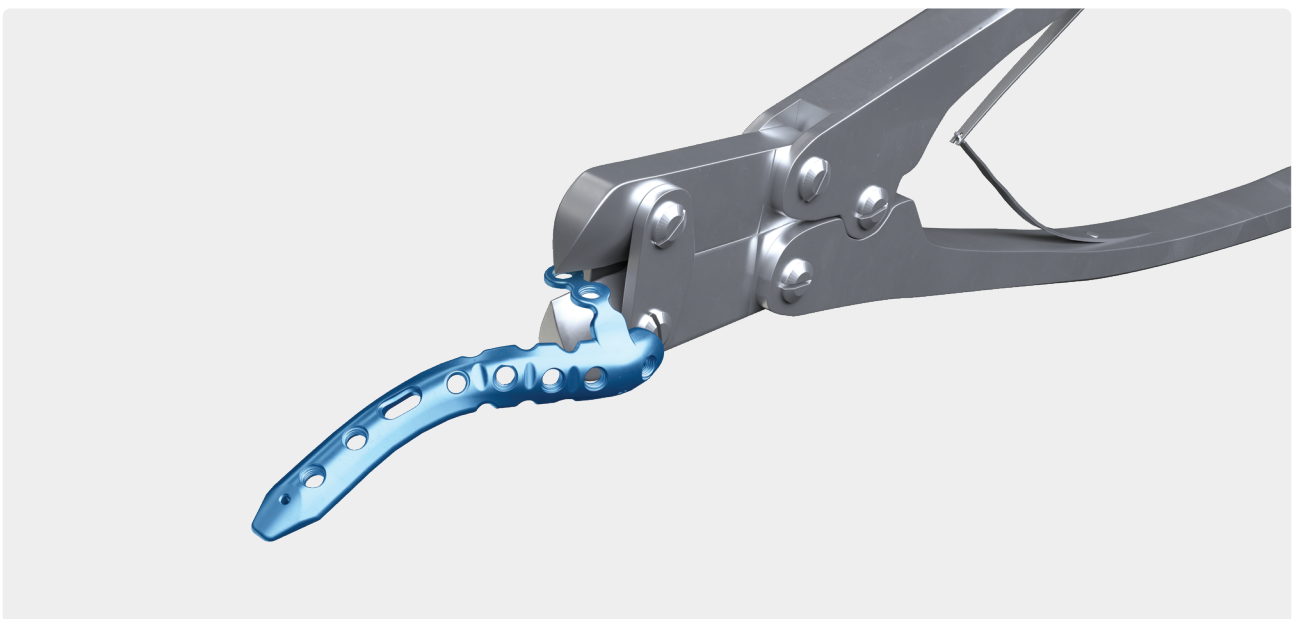


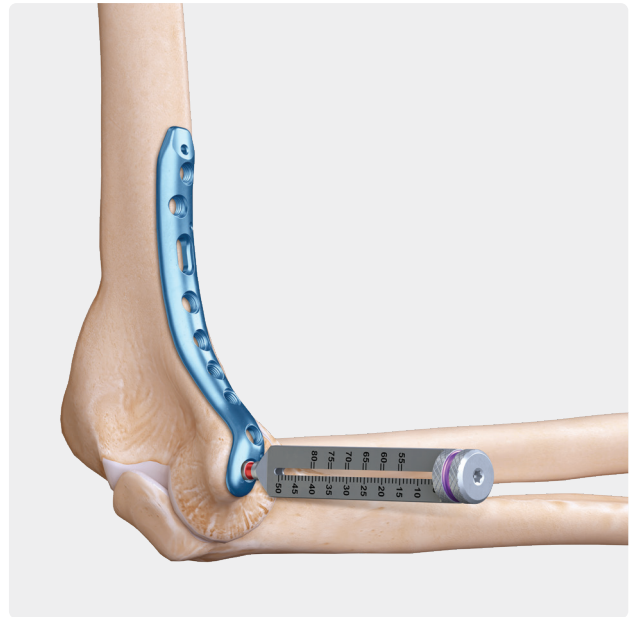
Plate Cutter
AR-8957-06

2.7 mm Drill Guides

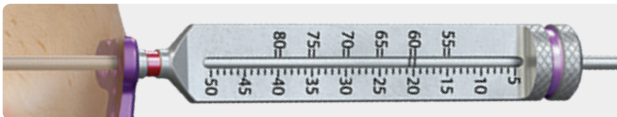
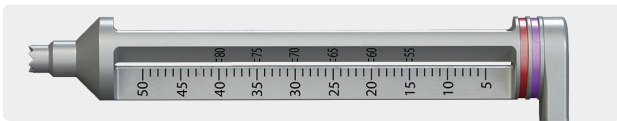
2.7 mm Straight Locking Aiming Guides



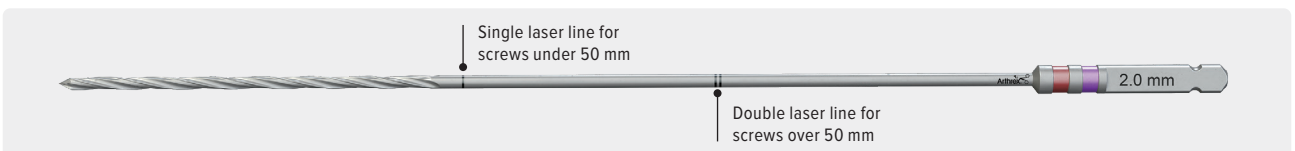
PEEK aiming guide to be used with Locking Tower (AR-18800-30)



Locking Tower (AR-18800-30) to be used with Calibrated Drill Bit* (AR-18800-19)



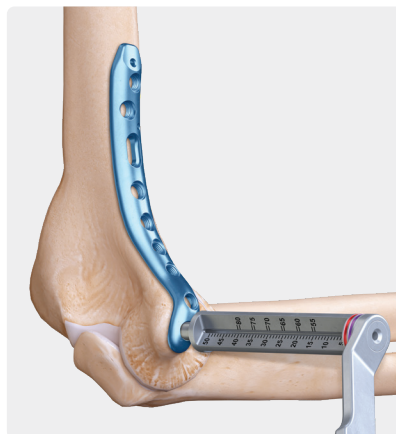
Note: When using the long calibrated drill (AR-18800-19) with the 2.7 locking tower or point and shoot guide, use the single laser line for screws under 50 mm and the double laser line for screws over 50 mm.



2.7 mm Point and Shoot Guides



Straight Angle Drill Guide
AR-18800-22



Calibrated Drill Guide (AR-18800-29)
to be used with Calibrated Drill Bit
(AR-18800-19)

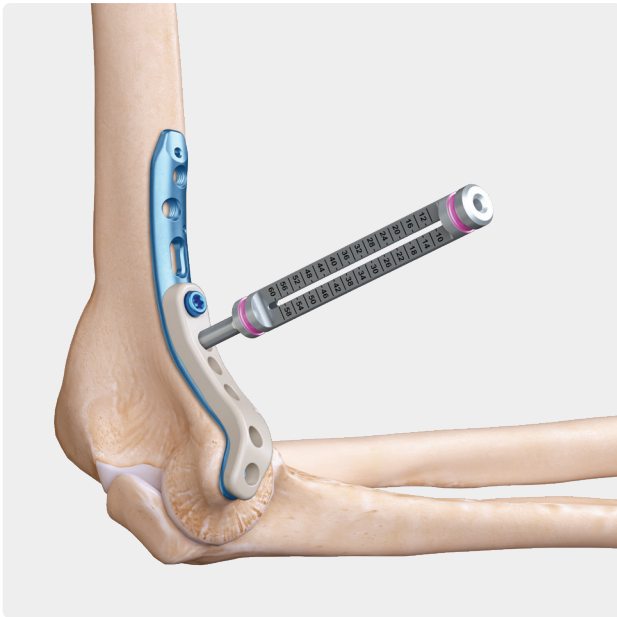
2.7 mm VAL Drill Guide



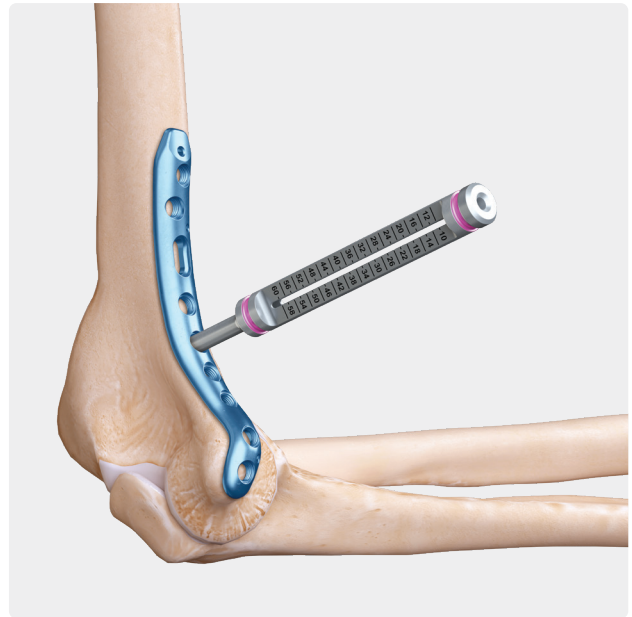
VAL Cone Guide
AR-18800-31

3.5 mm Shaft Hybrid Drill Guides

3.5 mm Shaft Hybrid Locking Aiming Guides



PEEK aiming guide to be used with Locking Tower (AR-8933HGL) and Calibrated Drill Bit (AR-8933HD)



Locking Tower (AR-8933HGL) to be used with Calibrated Drill Bit (AR-8933HD)

3.5 mm Point and Shoot Guides

3.5 mm VAL Drill Guide



Straight Angle Drill Guide (AR-7650-33) to be used with Calibrated Drill Bit (AR-7650-05)



Calibrated Drill Guide (AR-7650-02) to be used with Calibrated Drill Bit (AR-7650-05)



VAL Cone Guide (AR-7650-02)

Patient Positioning

The ElbowLOC® Arm Positioner

The ElbowLOC arm positioning system is an upper-extremity positioning device designed specifically for surgery from the mid-humerus to the fingers in one self-contained sterile system. It is easy to assemble and intuitive to use. The system enables traction across the elbow or wrist and unhindered intraoperative elbow motion and forearm manipulation, depending on the fracture and reduction needed. The system offers the surgeon the choice of supine, lateral, or supine suspended positioning for elbow surgery, as well as a wrist tower traction system for wrist and hand surgery.

The ElbowLOC arm positioning system is designed to position the patient while treating the following:

- › Arthroscopy of the elbow and wrist
- › Periarticular fractures about the elbow and wrist
- › Distal humerus fractures
- › Instability procedures of the elbow and wrist
- › Proximal, diaphyseal, and distal ulna fractures
- › Total elbow arthroplasty
- › Ulnar nerve surgery
- › Triceps repairs
- › Olecranon bursa excisions, and many more

The ElbowLOC arm positioning system features:

- › Entire four-positioner system contained in one autoclavable case
- › Supine, lateral, or supine suspended positioning for elbow surgery
- › Rigid wrist tower fixation
- › All assemblies applied sterile over drapes to standard OR table railing
- › Sterile disposable field kits for elbow procedures
- › Nylon double-finger traps for wrist surgery

Positioning Capabilities



Lateral



Supine



Supine Suspended



Traction Tower

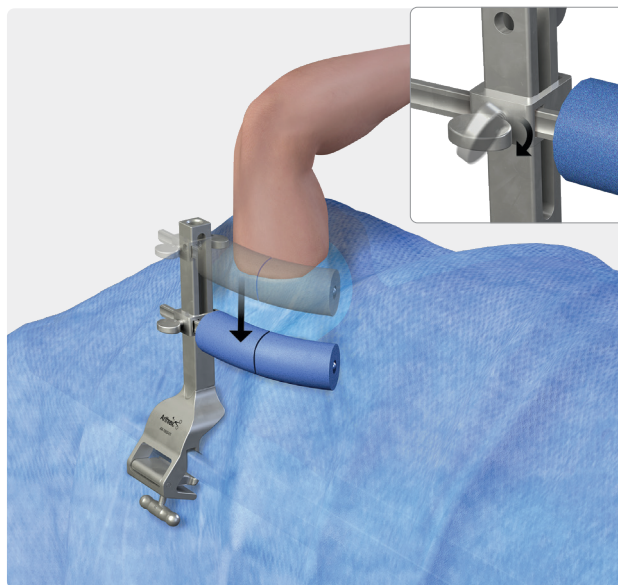
Supine Positioner Assembly Technique



01

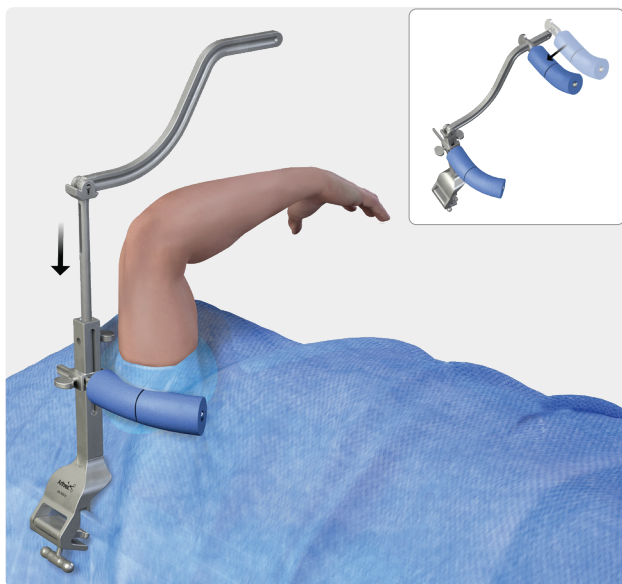
Position the patient supine on the OR table with the shoulder of the operative arm slightly overhanging the lateral margin of the mattress.

Secure the clamp base to the OR table railing just cephalad to the patient's shoulder. Firmly tighten the T-handle (image inset). Ensure the rail clamp is fully seated onto the railing and the clamp base fully vertical.



02

Load the humeral support bar and collet onto the clamp base. Tighten the collet locking screw (inset image) at the desired width and height.



03

Load the curved supine positioner into the clamp base. Slide the wrist support over the distal aspect of the supine positioner and secure at the desired position.



04

Place the patient's wrist on the padded support. A sterile strap may be used to secure the arm to the positioner, as needed.

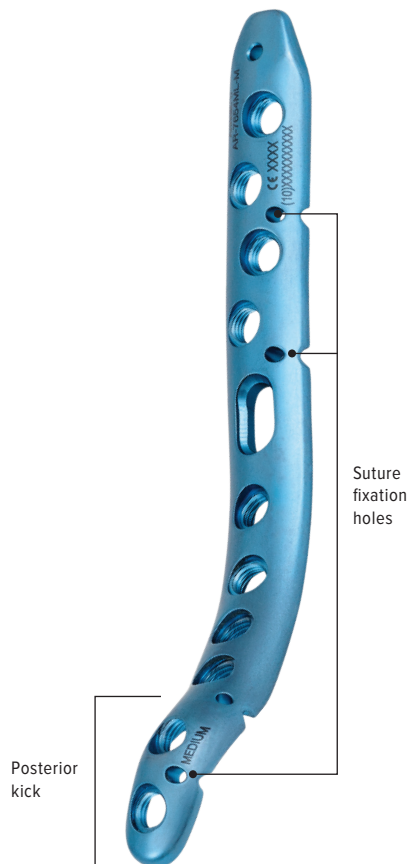
Distal Humerus Plating

Medial Plate

- › Posterior orientation of the distal portion of the plate allows for easier screw placement across the spool
- › Suture fixation holes allow for soft-tissue fixation to the plate using FiberWire® suture or SutureTape with 22.2 mm needle or smaller

Distal Humerus Medial Plates

Length	Item Number
Distal Humerus Medial Plates, Left	
Short (81 mm)	AR-7654ML-S
Medium (98 mm)	AR-7654ML-M
Long (140 mm)	AR-7654ML-L
Distal Humerus Medial Plates, Right	
Short (81 mm)	AR-7654MR-S
Medium (98 mm)	AR-7654MR-M
Long (140 mm)	AR-7654MR-L

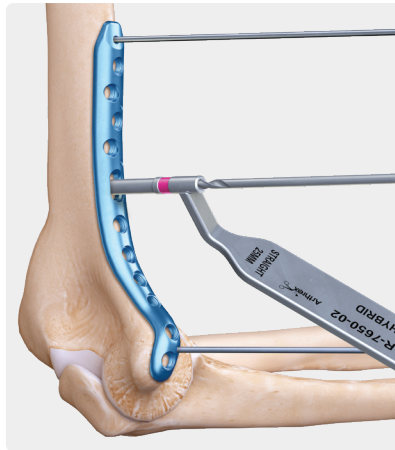


Surgical Technique Overview



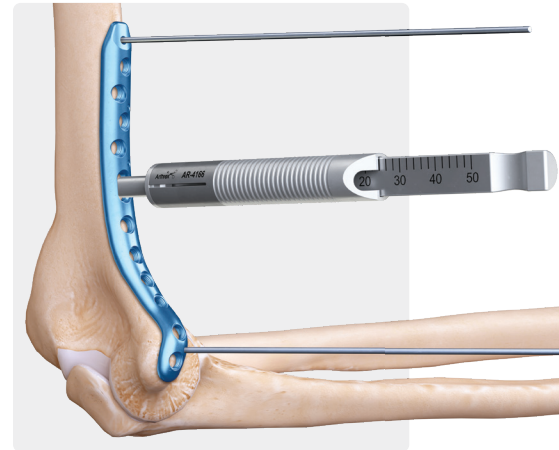
01

Select the appropriate plate length and secure to the bone using BB-Taks or K-wires. The medial plate should sit on the medial ridge slightly dorsal to the intermuscular septum. Note that the distal portion of the plate sits more posterior to allow for easier screw trajectory through the articular block.



02

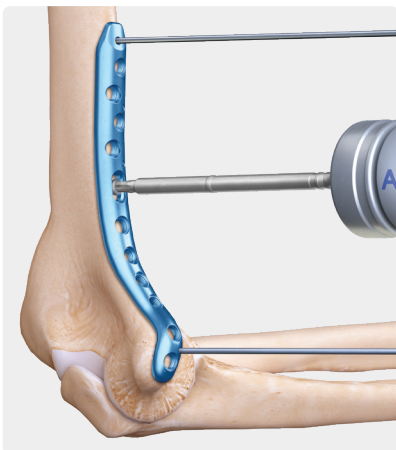
Use the double-ended drill guide to drill for a 2.7 mm or 3.5 mm shaft hybrid cortical screw. The double-sided drill guide can also aid in independent lag screw placement.



03

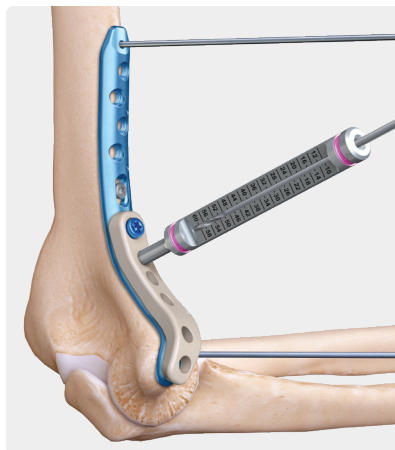
Use the depth gauge (AR-18800-39) to determine screw length.

For any 2.7 mm screws over 60 mm in length, use the long depth gauge (AR-7650-01).



04

Insert the appropriate screw using the corresponding screwdriver. Modular, retaining, and nonretaining drivers are available. For locking screws, a torque-limiting adapter is available. Final fixation should be achieved by hand.



05

For straight-angle locking, the PEEK aiming guide, the point and shoot calibrated drill guide, or the locking tower can be used. Alternatively, the VAL cone guide can be used to achieve 12° of variability, or a 24° cone.



06

Repeat steps as needed for the remaining screws to achieve final fixation.

For general implant removal, first disengage all the screws with the appropriate screwdriver. Hold the plate steady while disengaging the last screw, as the plate could rotate while unlocking the last screw, which can cause soft-tissue damage.

Distal Humerus Plating

Lateral Biplanar Plate

- › Combination of true lateral and posterolateral fixation that avoids sitting on the lateral ridge
- › Tab screw fixation in the capitellum is meant as adjunct fixation and should not be used as primary fixation. If the tab is deemed unnecessary, it can be removed with the appropriate plate cutter.
- › Recesses in the curved portion of the plate facilitate plate bending, if necessary
- › Suture fixation holes allow for soft-tissue fixation to the plate

Distal Humerus Lateral Biplanar Plates

Length	Item Number
Distal Humerus Biplanar Plates, Left	
Short (84 mm)	AR-7654BLL-S
Medium (104 mm)	AR-7654BLL-M
Long (135 mm)	AR-7654BLL-L
Distal Humerus Biplanar Plates, Right	
Short (84 mm)	AR-7654BLR-S
Medium (104 mm)	AR-7654BLR-M
Long (135 mm)	AR-7654BLR-L



Surgical Technique Overview



01

Position the distal portion of the plate on the lateral aspect of the distal humerus.



02

Use the double-ended drill guide or straight drill/depth guide to drill for a cortical screw to secure the plate to bone. Measure and place the appropriate 2.7 mm or 3.5 mm shaft hybrid cortical screw.



03

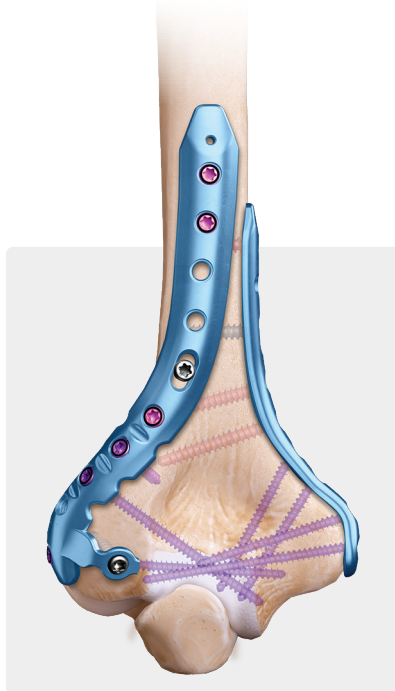
Drill for the lateral screw.

Note: When using VAL screws, it is possible to encounter screw traffic with the medial plate or the capitulum screws.



04

The posterolateral tab holes are easily contoured down to bone with the locking tower or a cortical screw. They can also be removed if deemed unnecessary or if they do not fit the patient's anatomy.



05

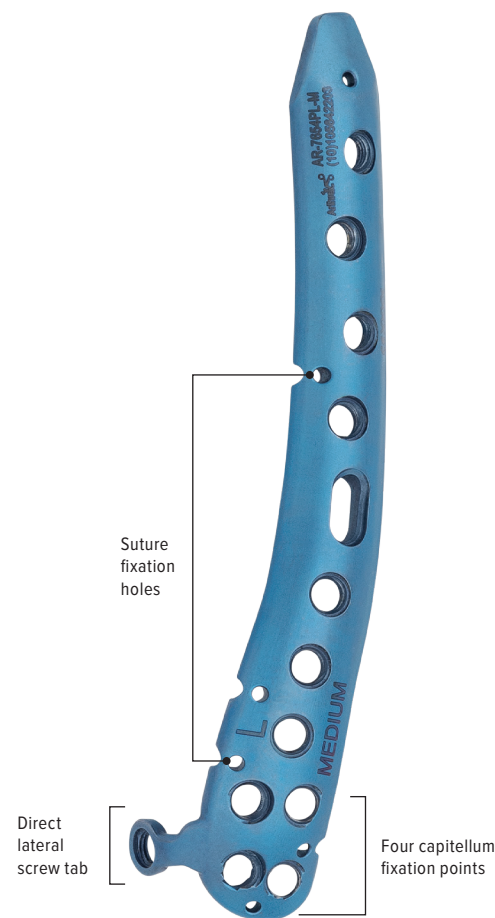
Final fixation of the lateral biplanar plate with the opposing medial plate.

Distal Humerus Plating

Posterolateral Plate

- › Low-profile plate with a lateral tab that allows for a true lateral across-the-spool screw
- › Lateral tab fixation is meant as adjunct fixation and should not be used as primary fixation. If the tab is deemed unnecessary, it can be removed with the appropriate plate cutter.
- › Suture fixation holes to allow for soft-tissue fixation to the plate

Distal Humerus Posterolateral Plates	
Length	Item Number
Distal Humerus Posterolateral Plates, Left	
Short (82 mm)	AR-7654PL-S
Medium (103 mm)	AR-7654PL-M
Long (137 mm)	AR-7654PL-L
Distal Humerus Posterolateral Plates, Right	
Short (82 mm)	AR-7654PR-S
Medium (103 mm)	AR-7654PR-M
Long (137 mm)	AR-7654PR-L



Surgical Technique Overview



01

Position the distal portion of the plate over the non-articulating portion of the capitellum of the distal humerus. The tab on the lateral portion of the plate allows for lateral-medial screw fixation.



02

Use the same instrumentation and technique as described in the techniques above to place 2.7 mm or 3.5 mm shaft hybrid cortical and KreuLock™ locking compression screws in the posterolateral portion of the plate.

The tab is used as adjunct fixation, with the posterior screws on the plate providing primary fixation of the fracture.



03

Drill, measure, and place the desired screw in the lateral tab. The tab can be contoured with the locking tower if needed or removed with the plate cutter.



04

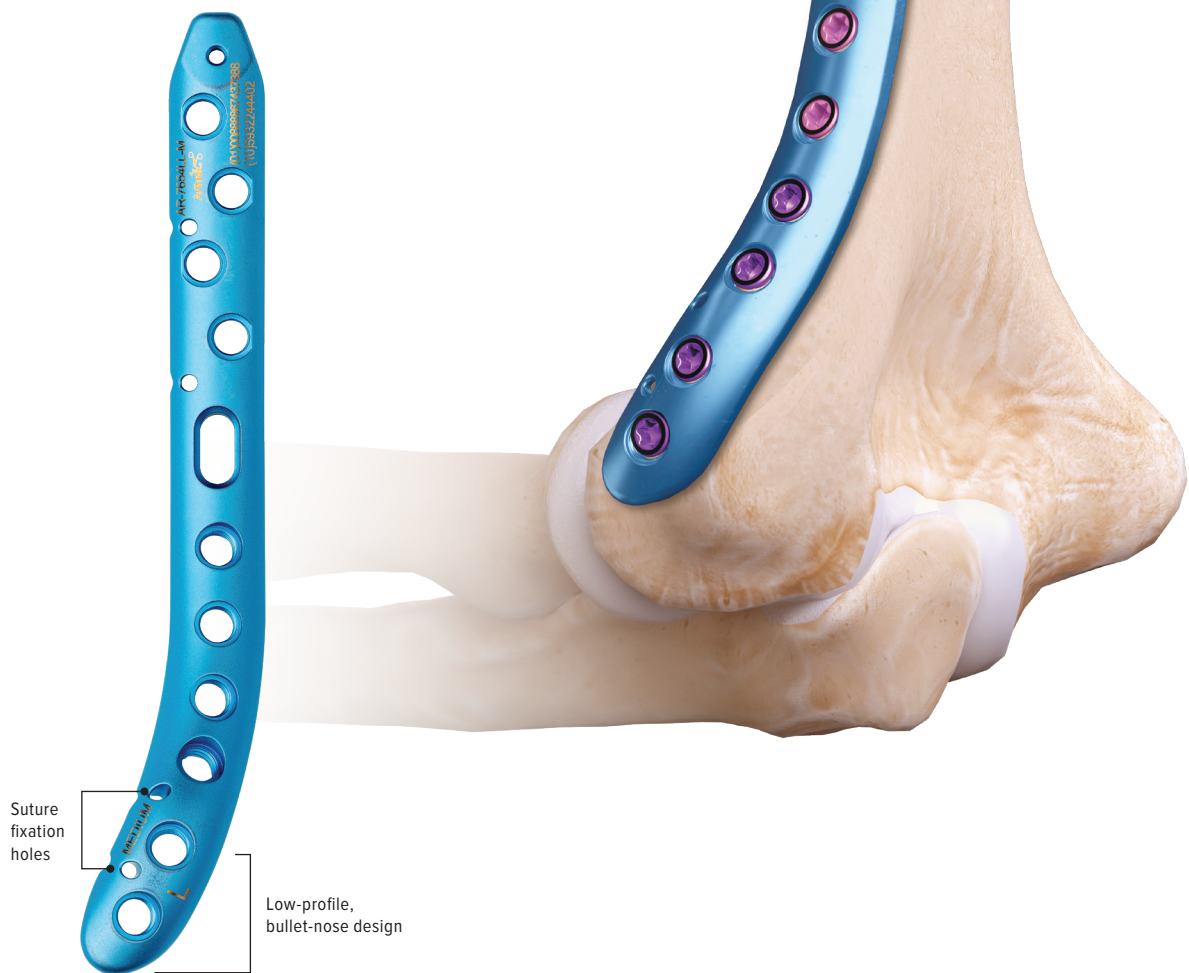
Final fixation of the posterolateral plate with tab and the medial plate is shown.

Distal Humerus Plating

Lateral Plate

- › True lateral plate allows for 180° plating with the medial plate

Distal Humerus Lateral Plates	
Length	Item Number
Distal Humerus Lateral Plates, Left	
Short (89 mm)	AR-7654LL-S
Medium (104 mm)	AR-7654LL-M
Long (148 mm)	AR-7654LL-L
Distal Humerus Lateral Plates, Right	
Short (89 mm)	AR-7654LR-S
Medium (104 mm)	AR-7654LR-M
Long (148 mm)	AR-7654LR-L

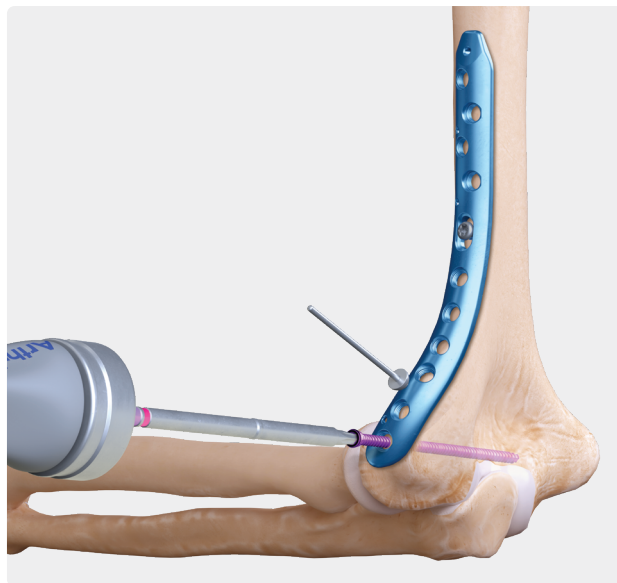


Surgical Technique Overview



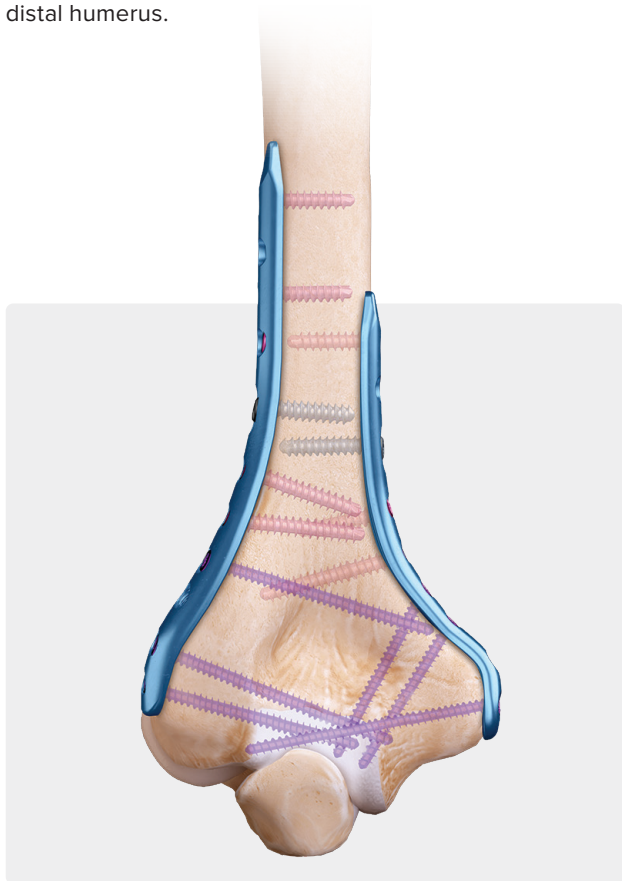
01

Position the plate on the lateral aspect of the distal humerus.



02

Use the same instrumentation and technique as described in the techniques above to place 2.7 mm or 3.5 mm shaft hybrid cortical and KreuLock® locking compression screws.



03

Final fixation of the true lateral plate and the medial plate is shown.

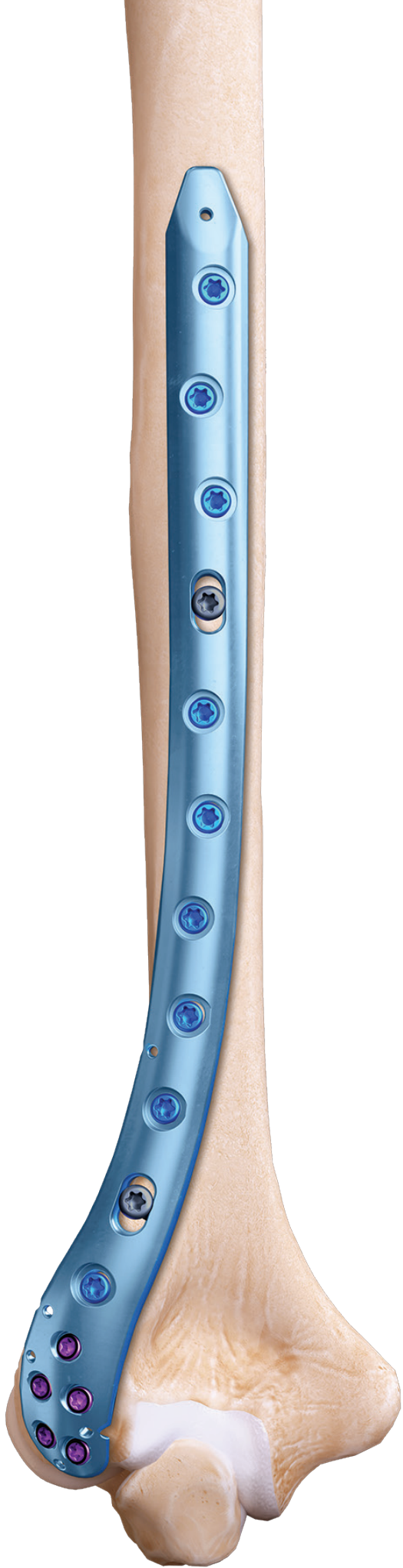
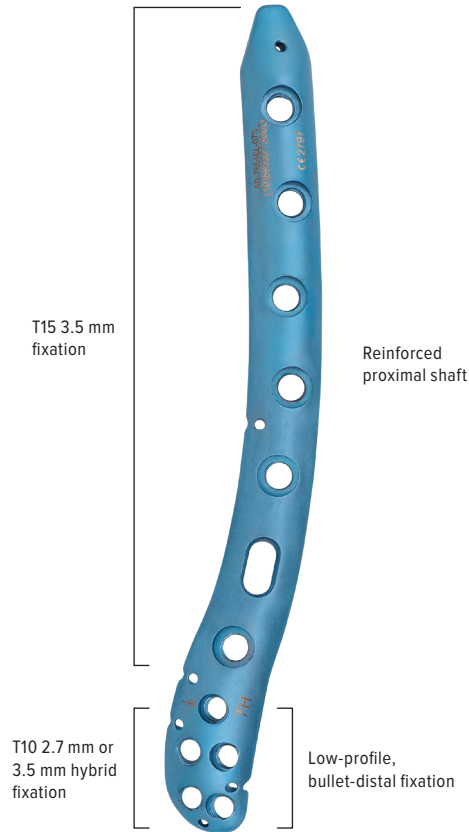
Distal Humerus Plating

Extra-Articular Plate

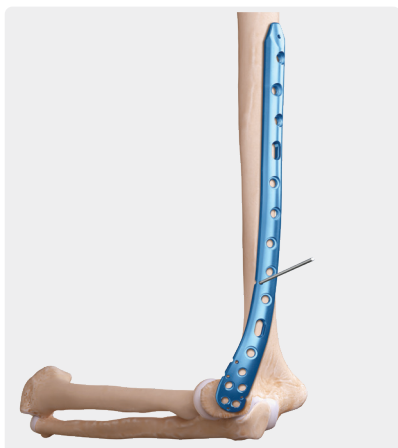
- › Same geometry distally as the posterolateral plate with a reinforced shaft
- › Uses T10 2.7 mm or 3.5 mm shaft hybrid screws in the distal portion but T15 3.5 mm screws up the shaft
- › Sterile

Distal Humerus Extra-Articular Plates

Holes	Length	Item Number
Distal Humerus Extra-Articular Plates, Left		
7	139 mm	AR-7654EL-07S
9	172 mm	AR-7654EL-09S
11	203 mm	AR-7654EL-11S
13	235 mm	AR-7654EL-13S
15	266 mm	AR-7654EL-15S
17	294 mm	AR-7654EL-17S
Distal Humerus Extra-Articular Plates, Right		
7	139 mm	AR-7654ER-07S
9	172 mm	AR-7654ER-09S
11	203 mm	AR-7654ER-11S
13	235 mm	AR-7654ER-13S
15	266 mm	AR-7654ER-15S
17	294 mm	AR-7654ER-17S



Surgical Technique Overview



01

Position the distal portion of the plate over the nonarticulating portion of the capitellum of the distal humerus.

The shaft of the plate is a true 3.5 mm reinforced plate, whereas the distal portion of the plate accepts thinner 2.7 or 3.5 mm shaft hybrid screws and has the same low-profile taper as the standard posterolateral plate.



02

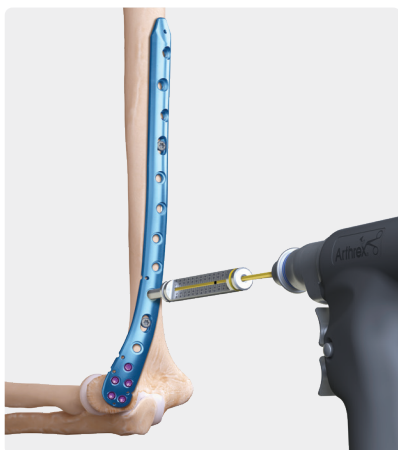
The shaft portion of the extra-articular plate is stouter, accepting true 3.5 mm T15 head screws. These screws are housed outside of the elbow plating implant tray and will need to be brought in separately.

Drill, measure, and insert a 3.5 mm cortical screw.



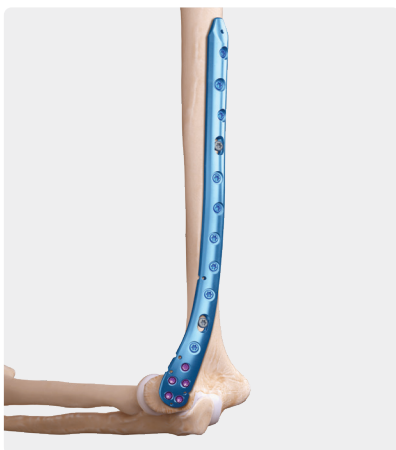
03

Once the 3.5 mm cortical screw in the shaft is seated, proceed with fixation of the distal portion of the plate using 2.7 mm or 3.5 mm shaft hybrid screws according to the standard technique outlined in the medial and lateral plates.



04

Fill the remaining 3.5 mm screw holes with locking screws.



05

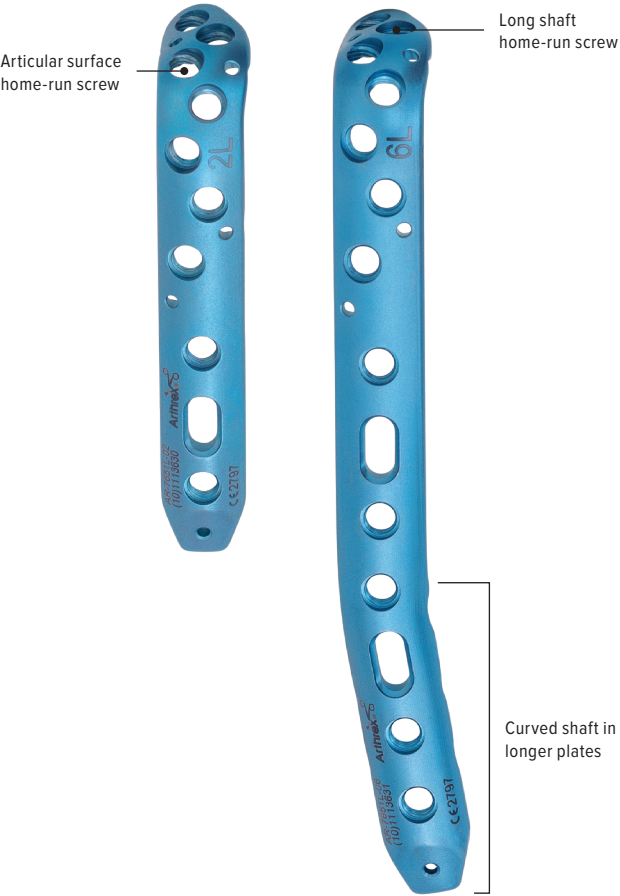
Final fixation.

Olecranon Plating

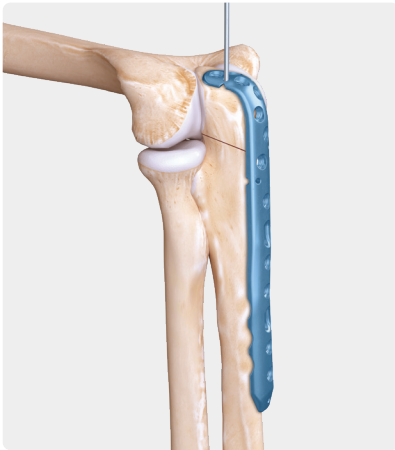
Dorsal Plate

- › Short 2-hole plate is straight, followed by 3 longer plates that curve with the bow of the ulna
- › Two home-run screw options—one in-line down the shaft and one that targets the coronoid

Dorsal Olecranon Plates		
Holes	Length	Item Number
Dorsal Olecranon Plates, Left		
2	73 mm	AR-7651L-02
6	111 mm	AR-7651L-06
10	147 mm	AR-7651L-10
14	187 mm	AR-7651L-14
Dorsal Olecranon Plates, Right		
2	73 mm	AR-7651R-02
6	111 mm	AR-7651R-06
10	147 mm	AR-7651R-10
14	187 mm	AR-7651R-14

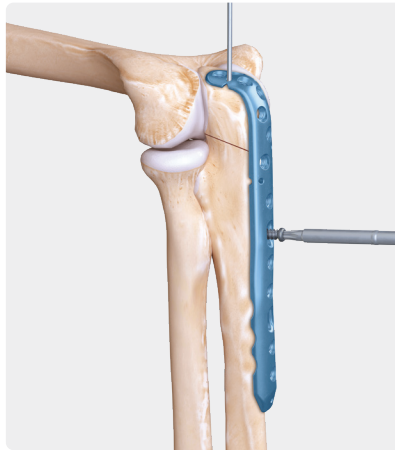


Surgical Technique Overview



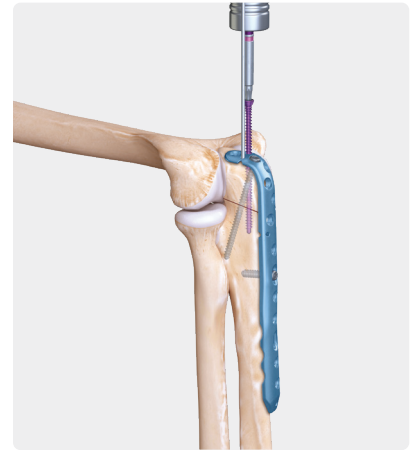
01

Determine the appropriate length of plate needed and position the plate on the olecranon. Secure with BB-Taks or K-wires.



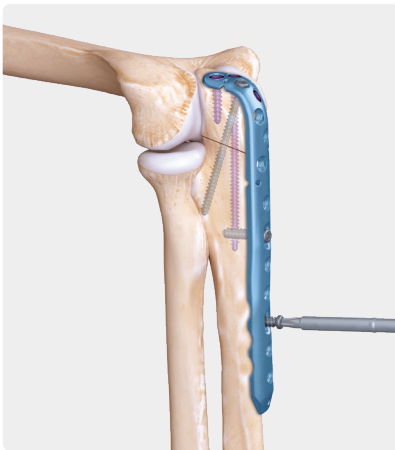
02

Use the same instrumentation and technique as described in the techniques above to place a 2.7 or 3.5 mm shaft hybrid screw in the oblong hole in the shaft.



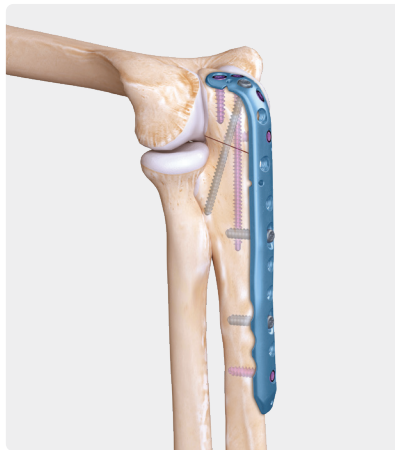
03

The proximal screw holes allow for one long screw down the intramedullary shaft (second screw hole from proximal tip) and one long screw targeting the coronoid (third screw from the tip). Nominal or variable-angle locking screw insertion can be used.



04

Once the proximal screws are inserted, add the remaining shaft screws to lock in fixation.



05

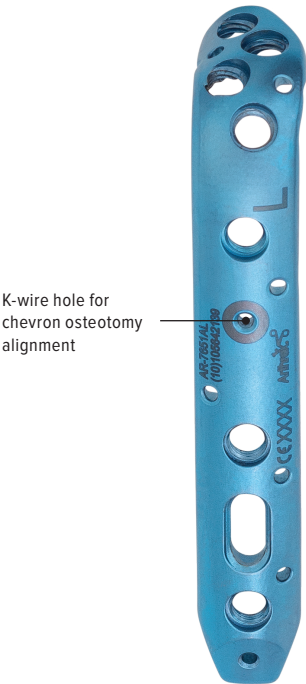
Final fixation.

Olecranon Plating

Olecranon Osteotomy Plate

- › Same geometry as the 2-hole dorsal olecranon plate except for the K-wire hole in the central portion of the plate
- › Laser-marked K-wire hole is used to mark the apex of the Chevron osteotomy

Olecranon Osteotomy Plates	
Olecranon Osteotomy Plate, Ti, left	AR-7651AL
Olecranon Osteotomy Plate, Ti, right	AR-7651AR



Surgical Technique Overview

Place the olecranon osteotomy plate in the desired position and drill a K-wire from the Elbow Plating System into the laser lined screw hole. The K-wire marks the apex of the osteotomy cut.

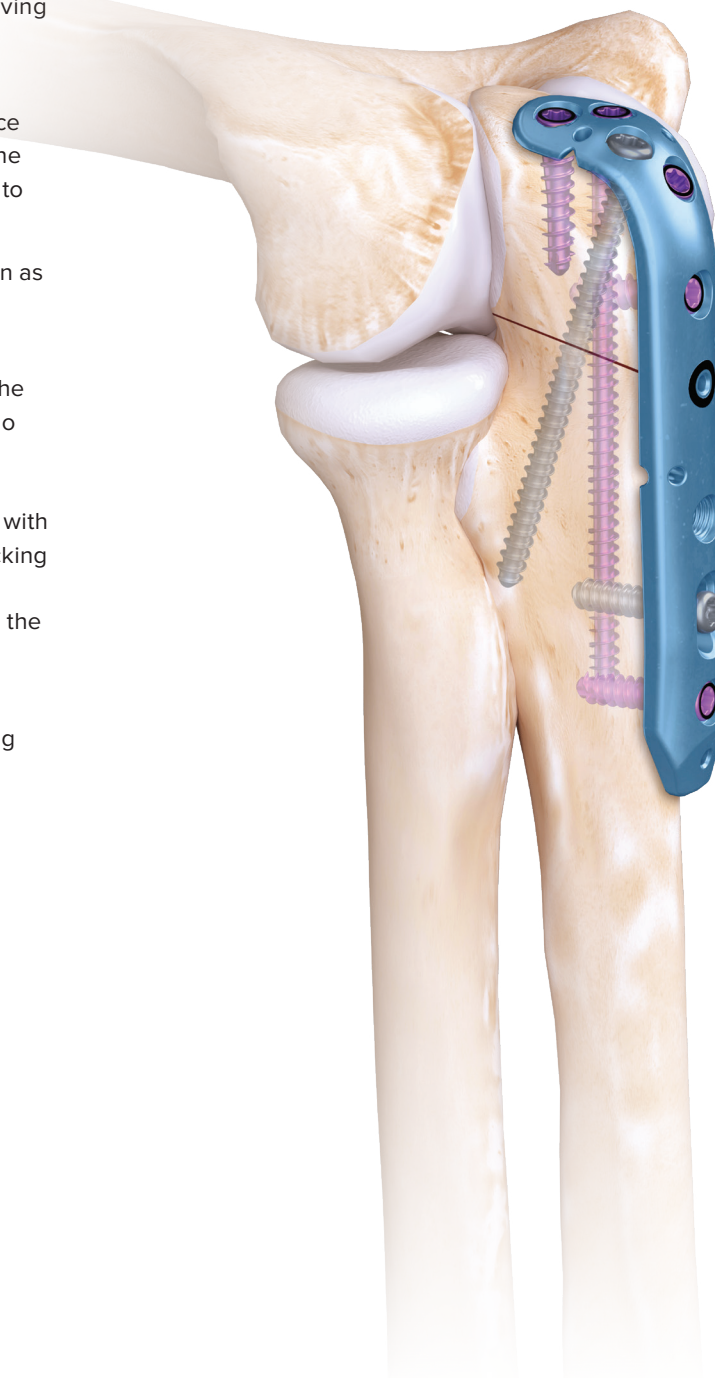
Additional screw holes can be predrilled. Once the desired screw holes are drilled, remove the plate, leaving the K-wire in bone and create the osteotomy. The osteotomy's apex should end at the K-wire.

If the K-wire is still in the bone, remove the K-wire once final fixation is achieved with the plate and screws. The plate cutter in the Elbow Plating System can be used to cut the K-wire short.

Perform distal humerus fracture reduction and fixation as outlined in the techniques above.

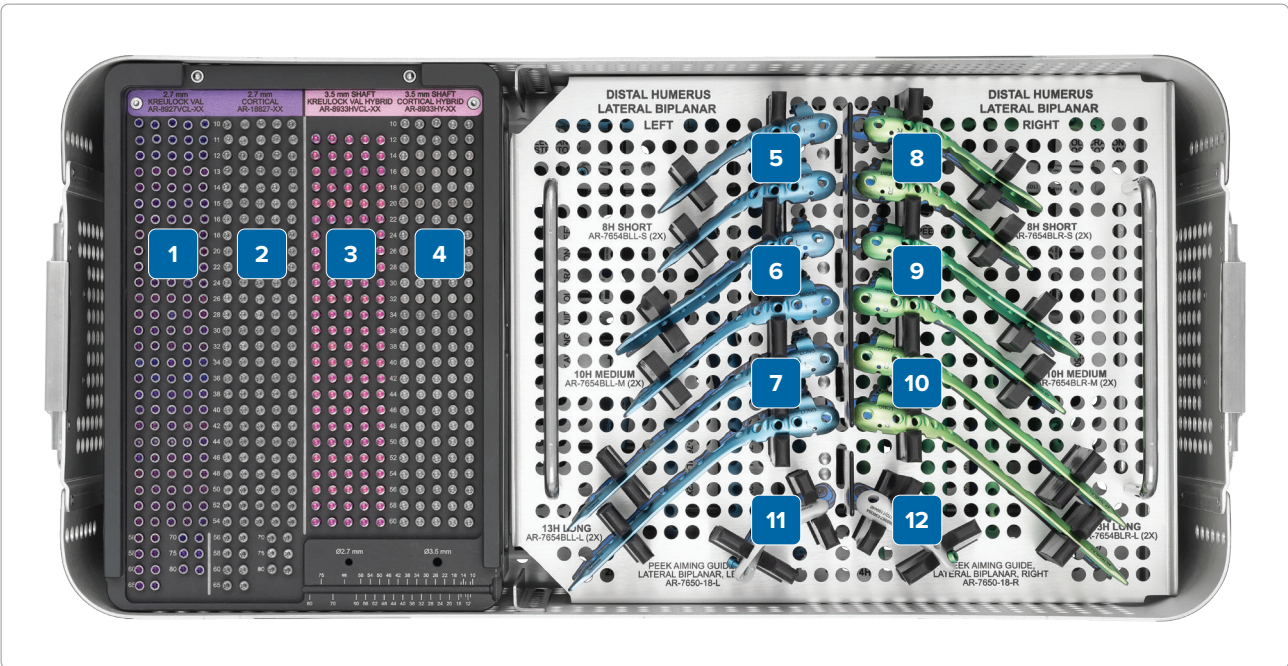
Once complete, bring the proximal portion of the olecranon back down to bone. If the K-wire is still in the bone, slide the plate over the K-wire. If the K-wire is no longer in bone, place the plate on the bone, making sure that the screw holes in the plate line up with the predrilled screw holes. Fill the predrilled screw holes with 2.7 or 3.5 mm shaft hybrid cortical and KreuLock™ locking compression screws. If the K-wire is still in the bone, remove the K-wire once final fixation is achieved with the plate and screws.

The suture holes in the proximal portion of the plate can be used to reattach the triceps or any surrounding soft tissue.



Elbow Plating Tray

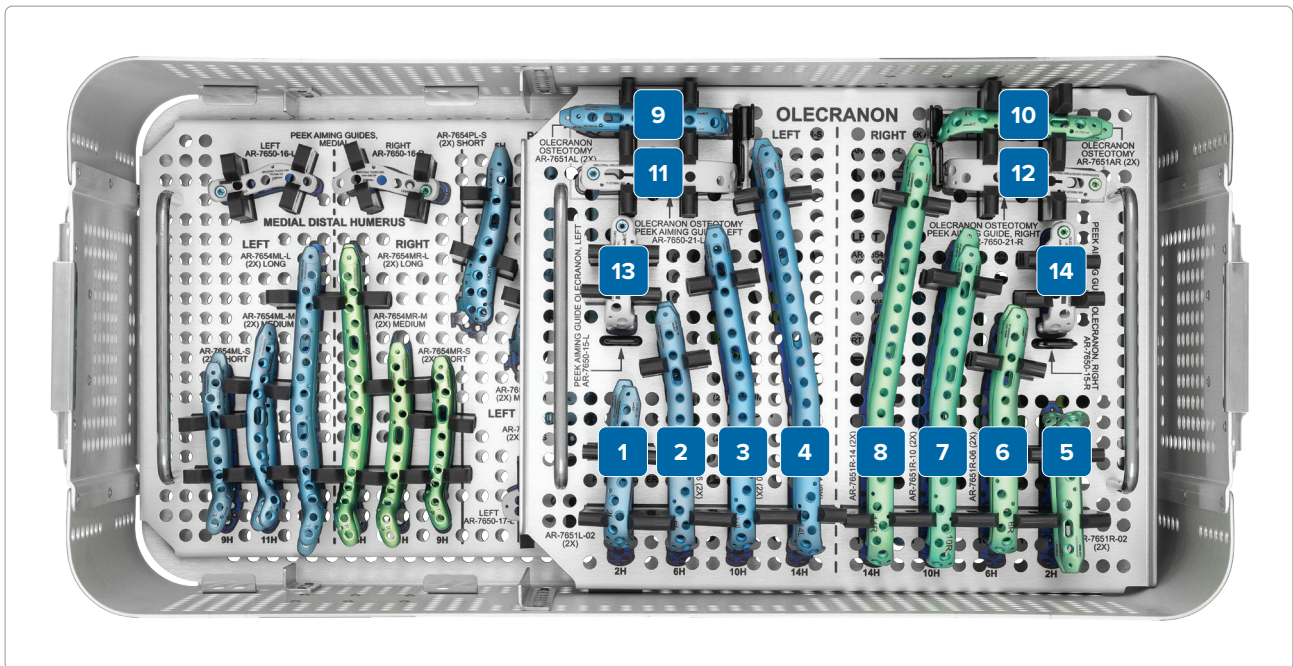
AR-7650C-01



Pic.	Item Number	Qty.	Description
1	AR-8927VCL-xx	1	VAL KreuLock™ screw, Ti, 2.7 × 10-80 mm
2	AR-18827-xx	1	Cortical screw, 2.7 mm × 10-80 mm
3	AR-8933HVCL-xx	1	VAL KreuLock screw, hybrid, 3.5 shaft × 10-60 mm
4	AR-8933HY-xx	1	LPS, hybrid, 3.5 shaft × 10-60 mm
Distal Humerus Biplanar Plates			
5	AR-7654BLL-S	1	DH plate, lateral biplanar, Ti, left, short
6	AR-7654BLL-M	1	DH plate, lateral biplanar, Ti, left, medium
7	AR-7654BLL-L	1	DH plate, lateral biplanar, Ti, left, long
8	AR-7654BLR-S	1	DH plate, lateral biplanar, Ti, right, short
9	AR-7654BLR-M	1	DH plate, lateral biplanar, Ti, right, medium
10	AR-7654BLR-L	1	DH plate, lateral biplanar, Ti, right, long
PEEK Aiming Guides			
11	AR-7650-18-L	1	PEEK aiming guide - distal humerus, lateral biplanar, left
12	AR-7650-18-R	1	PEEK aiming guide - distal humerus, lateral biplanar, right

Elbow Plating Tray

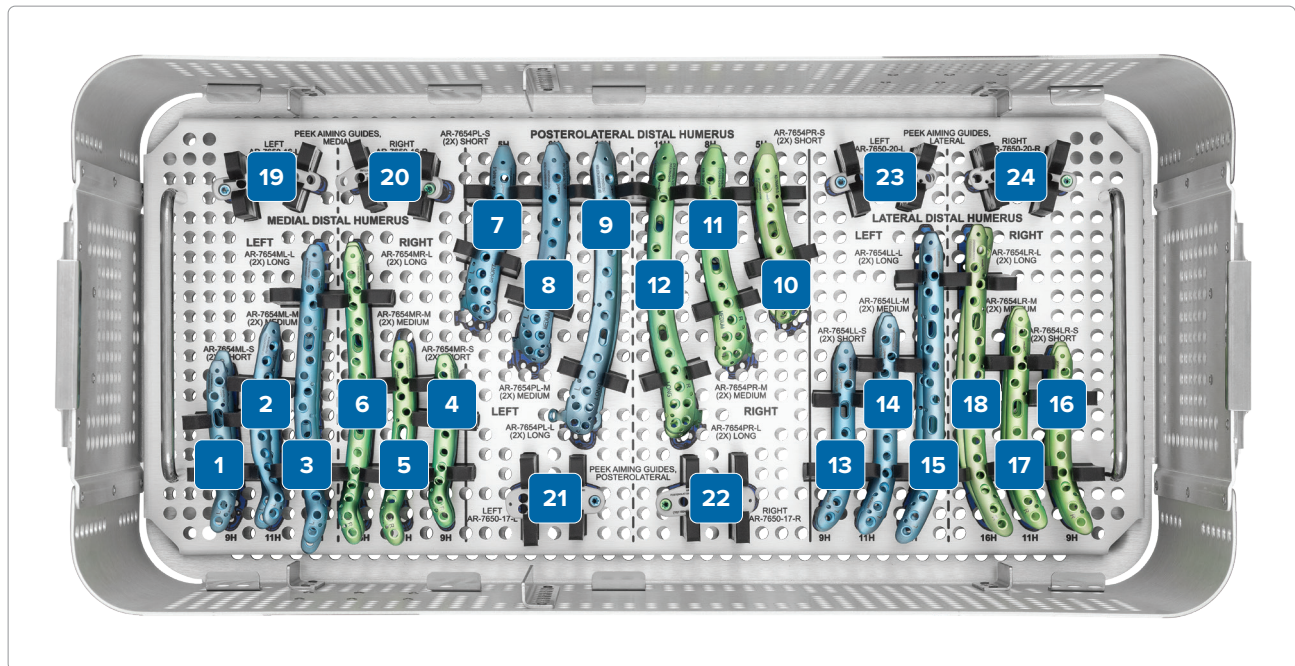
AR-7650C-01



Pic.	Item Number	Qty.	Description
Dorsal Olecranon Plates			
1	AR-7651L-02	1	Olecranon plate, Ti, left, 2H
2	AR-7651L-06	1	Olecranon plate, Ti, left, 6H
3	AR-7651L-10	1	Olecranon plate, Ti, left, 10H
4	AR-7651L-14	1	Olecranon plate, Ti, left, 14H
5	AR-7651R-02	1	Olecranon plate, Ti, right, 2H
6	AR-7651R-06	1	Olecranon plate, Ti, right, 6H
7	AR-7651R-10	1	Olecranon plate, Ti, right, 10H
8	AR-7651R-14	1	Olecranon plate, Ti, right, 14H
Olecranon Osteotomy Plates			
9	AR-7651AL	1	Olecranon osteotomy plate, Ti, left
10	AR-7651AR	1	Olecranon osteotomy plate, Ti, right
PEEK Aiming Guides			
11	AR-7650-21-L	1	PEEK aiming guide - olecranon osteotomy, left
12	AR-7650-21-R	1	PEEK aiming guide - olecranon osteotomy, right
13	AR-7650-15-L	1	PEEK aiming guide - olecranon fracture, left
14	AR-7650-15-R	1	PEEK aiming guide - olecranon fracture, right

Elbow Plating Tray

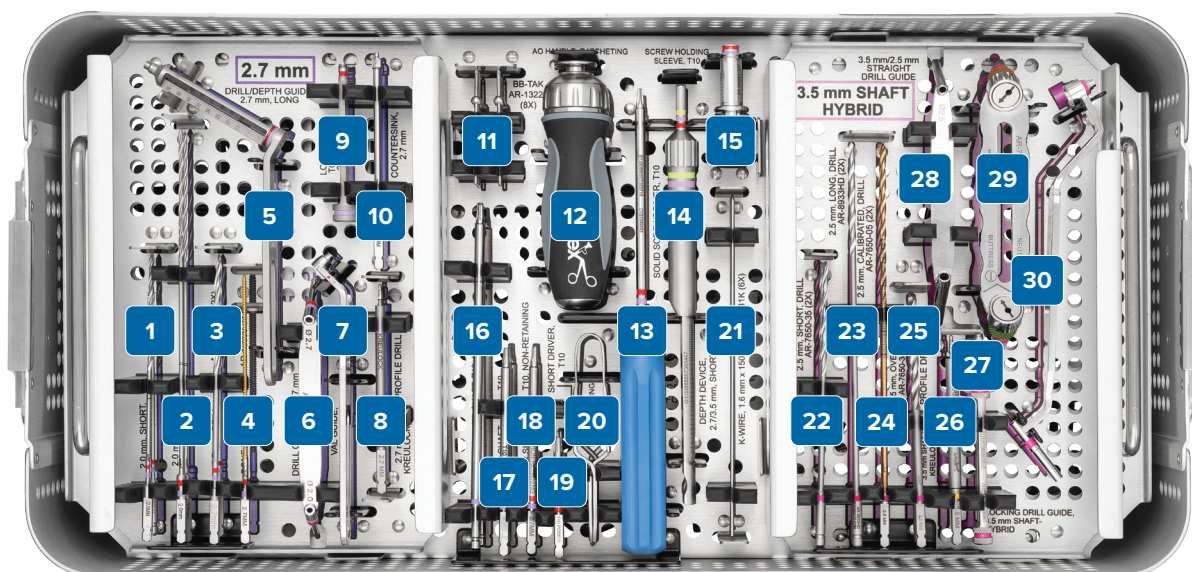
AR-7650C-01



Pic.	Item Number	Qty.	Description
Distal Humerus Medial Plates			
1	AR-7654ML-S	1	DH plate, medial, Ti, left, short
2	AR-7654ML-M	1	DH plate, medial, Ti, left, medium
3	AR-7654ML-L	1	DH plate, medial, Ti, left, long
4	AR-7654MR-S	1	DH plate, medial, Ti, right, short
5	AR-7654MR-M	1	DH plate, medial, Ti, right, medium
6	AR-7654MR-L	1	DH plate, medial, Ti, right, long
Distal Humerus Posterolateral Plates			
7	AR-7654PL-S	1	DH plate, posterolateral, Ti, left, short
8	AR-7654PL-M	1	DH plate, posterolateral, Ti, left, medium
9	AR-7654PL-L	1	DH plate, posterolateral, Ti, left, long
10	AR-7654PR-S	1	DH plate, posterolateral, Ti, right, short
11	AR-7654PR-M	1	DH plate, posterolateral, Ti, right, medium
12	AR-7654PR-L	1	DH plate, posterolateral, Ti, right, long
Distal Humerus Lateral Plates			
13	AR-7654LL-S	1	DH Plate, lateral, Ti, left, short
14	AR-7654LL-M	1	DH Plate, lateral, Ti, left, medium
15	AR-7654LL-L	1	DH Plate, lateral, Ti, left, long
16	AR-7654LR-S	1	DH Plate, lateral, Ti, right, short
17	AR-7654LR-M	1	DH Plate, lateral, Ti, right, medium
18	AR-7654LR-L	1	DH Plate, lateral, Ti, right, long
PEEK Aiming Guides			
19	AR-7650-16-L	1	PEEK aiming guide - distal humerus, medial, left
20	AR-7650-16-R	1	PEEK aiming guide - distal humerus, medial, right
21	AR-7650-17-L	1	PEEK aiming guide - distal humerus, postero-lateral, left
22	AR-7650-17-R	1	PEEK aiming guide - distal humerus, postero-lateral, right
23	AR-7650-20-L	1	PEEK aiming guide - true lateral, left
24	AR-7650-20-R	1	PEEK aiming guide - true lateral, right

Elbow Plating Tray

AR-7650C-02

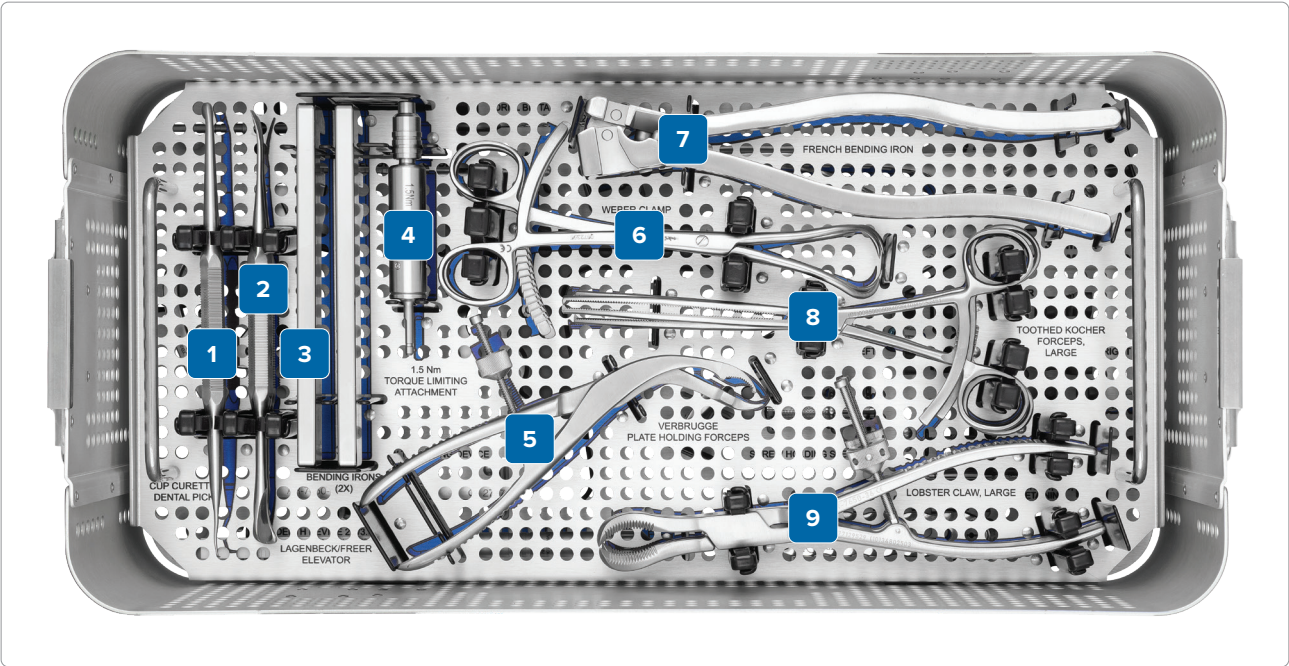


Pic.	Item Number	Qty.	Description
2.7 mm Screw Disposables			
1	AR-18800-18	1	Drill bit, 2.0 mm, short, AO
2	AR-18800-19	1	Drill bit, 2.0 mm, long, AO
3	AR-18800-20	1	Drill bit, 2.7 mm, AO
2.7 mm Screw Instrumentation			
4	AR-18800-34	1	Bone tap, 2.7 mm, AO
5	AR-18800-29	1	Drill/depth guide, 2.7 mm, long
6	AR-18800-22	1	Drill guide, 2.0 mm/2.7 mm
7	AR-18800-31	1	VAL guide, cone style, 2.7 mm
8	AR-18900-03	1	Profile drill, 2.7 mm KreuLock™
9	AR-18800-30	1	Locking tower, 2.7 mm
10	AR-18800-23	1	Countersink, 2.7 mm
General Instrumentation			
11	AR-13227	1	BB-Tak, smooth
12	AR-8700RH	1	Ratcheting handle, quick connect, AO
13	AR-18800-27	1	Solid screwdriver, T10
14	AR-18800-39	1	Depth device, 2.7/3.5 mm, short
15	AR-18800-32	1	Screw holding sleeve, T10
16	AR-18800-26	1	Driver shaft, T10, long
17	AR-18800-24	1	Driver shaft, T10
18	AR-18800-25	1	Driver shaft, T10, nonretaining
19	AR-7650-13	1	Short driver, T10
20	AR-8941F	1	Screw holding forceps
21	AR-8941K	1	K-wire, 1.6 mm × 150 mm

Pic.	Item Number	Qty.	Description
3.5 mm Shaft Hybrid Screw Disposables			
22	AR-7650-35	1	Drill bit, short, 2.5 mm, AO
23	AR-8933HD	1	Drill bit, 2.5 mm, long, AO
24	AR-7650-05	1	Drill bit, calibrated, 2.5 mm, AO
25	AR-7650-34	1	Drill bit, short, 3.5 mm, AO
3.5 mm Shaft Screw Instrumentation			
26	AR-8900-04	1	Profile drill, 3.5 mm shaft hybrid KreuLock
27	AR-8933HGL	1	Locking drill guide, 3.5 mm shaft hybrid
28	AR-7650-33	1	Straight drill guide, 3.5 mm/2.5 mm
29	AR-7650-04	1	Eccentric drill guide, T10
30	AR-7650-02	1	Drill guide, VAL cone/straight

Elbow Plating Tray

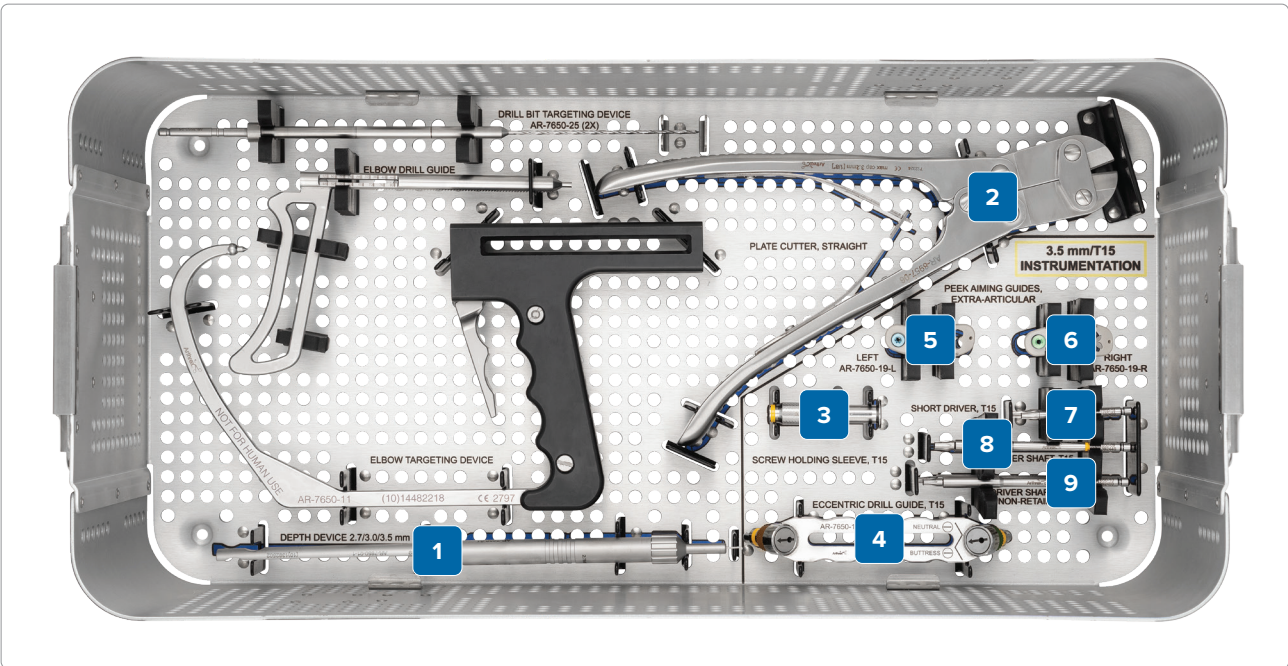
AR-7650C-02



Pic.	Item Number	Qty.	Description
2nd Layer Instrumentation			
1	AR-7650-26	1	Cup curette/dental pick
2	AR-7650-29	1	Langenbeck/Freer elevator
3	AR-7650-30	1	Bending iron
4	AR-8963TL-01	1	Torque-limiting attachment, 1.5 Nm
5	AR-8943-39	1	Verbrugge
6	AR-8943-24	1	Weber clamp
7	AR-7650-27	1	French bending iron
8	AR-7650-28	1	Toothed Kocher forceps, large
9	AR-7650-36	1	Lobster claw, large

Elbow Plating Tray

AR-7650C-02



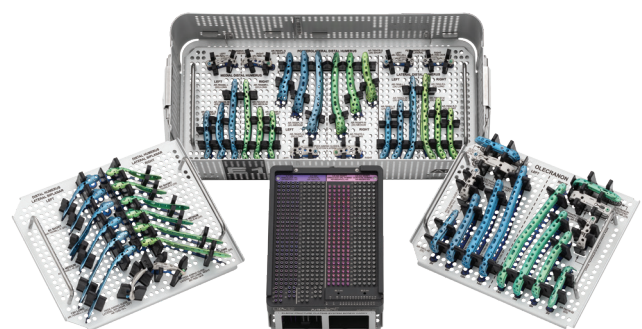
Pic.	Item Number	Qty.	Description
3rd Layer Instrumentation			
1	AR-7650-01	1	Depth device, 2.7/3.0/3.5 mm
2	AR-8957-06	1	Plate cutter, straight
3.5 mm Screw Instrumentation and PEEK Aiming Guides			
3	AR-7650-03	1	Holding sleeve, 3.5 mm, T15
4	AR-7650-12	1	Eccentric drill guide, T15
5	AR-7650-19-L	1	PEEK aiming guide - extra-articular, left
6	AR-7650-19-R	1	PEEK aiming guide - extra-articular, right
7	AR-7650-14	1	Driver shaft, short, T15
8	AR-7650-09	1	Driver shaft, T15, retaining, AO
9	AR-7650-10	1	Driver shaft, T15, nonretaining, AO

Ordering Information

Elbow Plating System (AR-7650S)

Distal Humerus Medial Plates	
DH plate, medial, Ti, left, short	AR-7654ML-S
DH plate, medial, Ti, left, medium	AR-7654ML-M
DH plate, medial, Ti, left, long	AR-7654ML-L
DH plate, medial, Ti, right, short	AR-7654MR-S
DH plate, medial, Ti, right, medium	AR-7654MR-M
DH plate, medial, Ti, right, long	AR-7654MR-L
Distal Humerus Biplanar Plates	
DH plate, lateral biplanar, Ti, left, short	AR-7654BLL-S
DH plate, lateral biplanar, Ti, left, medium	AR-7654BLL-M
DH plate, lateral biplanar, Ti, left, long	AR-7654BLL-L
DH plate, lateral biplanar, Ti, right, short	AR-7654BLR-S
DH plate, lateral biplanar, Ti, right, medium	AR-7654BLR-M
DH plate, lateral biplanar, Ti, right, long	AR-7654BLR-L
Distal Humerus Posterolateral Plates	
DH plate, posterolateral, Ti, left, short	AR-7654PL-S
DH plate, posterolateral, Ti, left, medium	AR-7654PL-M
DH plate, posterolateral, Ti, left, long	AR-7654PL-L
DH plate, posterolateral, Ti, right, short	AR-7654PR-S
DH plate, posterolateral, Ti, right, medium	AR-7654PR-M
DH plate, posterolateral, Ti, right, long	AR-7654PR-L
Distal Humerus Lateral Plates	
DH plate, lateral, Ti, left, short	AR-7654LL-S
DH plate, lateral, Ti, left, medium	AR-7654LL-M
DH plate, lateral, Ti, left, long	AR-7654LL-L
DH plate, lateral, Ti, right, short	AR-7654LR-S
DH plate, lateral, Ti, right, medium	AR-7654LR-M
DH plate, lateral, Ti, right, long	AR-7654LR-L
Distal Humerus Extraarticular Plates	
DH plate, EA, Ti, left, 7H, sterile	AR-7654EL-07S
DH plate, EA, Ti, left, 9H, sterile	AR-7654EL-09S
DH plate, EA, Ti, left, 11H, sterile	AR-7654EL-11S
DH plate, EA, Ti, left, 13H, sterile	AR-7654EL-13S
DH plate, EA, Ti, left, 15H, sterile	AR-7654EL-15S
DH plate, EA, Ti, left, 17H, sterile	AR-7654EL-17S
DH plate, EA, Ti, right, 7H, sterile	AR-7654ER-07S
DH plate, EA, Ti, right, 9H, sterile	AR-7654ER-09S
DH plate, EA, Ti, right, 11H, sterile	AR-7654ER-11S
DH plate, EA, Ti, right, 13H, sterile	AR-7654ER-13S
DH plate, EA, Ti, right, 15H, sterile	AR-7654ER-15S
DH plate, EA, Ti, right, 17H, sterile	AR-7654ER-17S

Dorsal Olecranon Plates	
Olecranon plate, Ti, left, 2H	AR-7651L-02
Olecranon plate, Ti, left, 6H	AR-7651L-06
Olecranon plate, Ti, left, 10H	AR-7651L-10
Olecranon plate, Ti, left, 14H	AR-7651L-14
Olecranon plate, Ti, right, 2H	AR-7651R-02
Olecranon plate, Ti, right, 6H	AR-7651R-06
Olecranon plate, Ti, right, 10H	AR-7651R-10
Olecranon plate, Ti, right, 14H	AR-7651R-14
Olecranon Osteotomy Plates	
Olecranon osteotomy plate, Ti, left	AR-7651AL
Olecranon osteotomy plate, Ti, right	AR-7651AR
Screws	
Cortical screw, 2.7 mm × 6 mm-15 mm (1 mm increments), 16 mm-60 mm (2 mm increments), 65 mm, 70 mm, 75 mm, 80 mm	AR-18827-06-80
KreuLock™ screw, VAL, Ti, 2.7 mm × 10 mm-60 mm (1 mm increments), 10 mm-60 mm (2 mm increments) 65 mm, 70 mm, 75 mm, 80 mm	AR-8927VCL-10-80
Hybrid low-profile cortical screw, 3.5 mm × 10 mm-60 mm (2 mm increments)	AR-8933HY-10-60
VAL KreuLock screw, hybrid, 3.5 mm × 10 mm-60 mm (2 mm increments)	AR-8933HVCL-10-60
Disposables	
Guidewire w/ trocar tip, .062 in	AR-8941K
BB-Tak, MTP	AR-13227
2.7 mm Screw Disposables	
Drill Bit, 2.0 mm, short, AO	AR-18800-18
Drill Bit, 2.0 mm, long, AO	AR-18800-19
Drill Bit, 2.7 mm, AO	AR-18800-20
3.5 mm Shaft Hybrid Screw Disposables	
Drill Bit, 2.5 mm, long, AO	AR-8933HD
Drill Bit, calibrated, 2.5 mm, AO	AR-7650-05
Drill Bit, 3.5 mm, AO	AR-7650-34
Drill Bit, short, 2.5 mm, AO	AR-7650-35

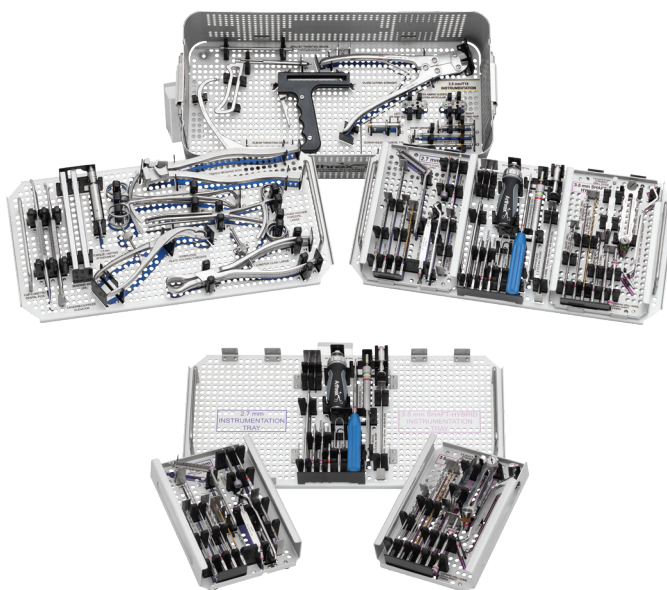


AR-7650C-01

2.7 mm Screw Instrumentation		
Drill guide, 2.0 mm/2.7 mm		AR-18800-22
Drill/depth guide, 2.7 mm, long		AR-18800-29
VAL guide, cone style, 2.7 mm		AR-18800-31
Locking tower, 2.7 mm		AR-18800-30
Countersink, 2.7 mm		AR-18800-23
Profile drill, 2.7 mm KreuLock		AR-18900-03
Bone tap, 2.7 mm, AO		AR-18800-34
3.5 mm Shaft Hybrid Screw Instrumentation		
3.5 mm/2.5 mm straight drill guide		AR-7650-33
Eccentric drill guide, T10		AR-7650-04
Drill guide, VAL cone/straight		AR-7650-02
Locking drill guide, 3.5 mm shaft-hybrid		AR-8933HGL
Profile Drill, 3.5 mm shaft hybrid KreuLock™		AR-18900-04
3.5 mm Screw Instrumentation		
Driver shaft, T15, retaining, AO		AR-7650-09
Driver shaft, T15, nonretaining, AO		AR-7650-10
Holding sleeve, 3.5 mm		AR-7650-03
Eccentric drill guide		AR-7650-12
Driver shaft, short, T15		AR-7650-14
General Instrumentation		
Driver shaft, T10, long		AR-18800-26
Driver shaft, T10		AR-18800-24
Driver shaft, T10, nonretaining		AR-18800-25
Short driver, T10		AR-7650-13
Solid screwdriver, T10		AR-18800-27
Ratcheting handle, AO QC		AR-8700RH
Depth device, 2.7/3.5 mm, short		AR-18800-39
Screw holding sleeve, T10		AR-18800-32
Screw holding forceps		AR-8941F
Depth device, 2.7/3.0/3.5		AR-7650-01
PEEK Aiming Guides		
PEEK aiming guide - olecranon fracture, left		AR-7650-15-L
PEEK aiming guide - olecranon fracture, right		AR-7650-15-R
PEEK aiming guide - distal humerus, medial, left		AR-7650-16-L
PEEK aiming guide - distal humerus, medial, right		AR-7650-16-R
PEEK aiming guide - distal humerus, posterolateral, left		AR-7650-17-L
PEEK aiming guide - distal humerus, posterolateral, right		AR-7650-17-R
PEEK aiming guide - distal humerus, lateral biplanar, left		AR-7650-18-L
PEEK aiming guide - distal humerus, lateral biplanar, right		AR-7650-18-R
PEEK aiming guide - extra-articular, left		AR-7650-19-L
PEEK aiming guide - extra-articular, right		AR-7650-19-R
PEEK aiming guide - true lateral, left		AR-7650-20-L
PEEK aiming guide - true lateral, right		AR-7650-20-R
PEEK aiming guide - olecranon osteotomy, left		AR-7650-21-L
PEEK aiming guide - olecranon osteotomy, right		AR-7650-21-R

Reduction, Bending, and Cutting Tools	
Toothed Kocher forceps, large	AR-7650-28
Langenbeck/Freer elevator	AR-7650-29
Cup curette/dental pick	AR-7650-26
Lobster claw, large	AR-7650-36
Weber clamp	AR-8943-24
Bending iron	AR-7650-30
Torque-limiting attachment, 1.5 Nm	AR-8963TL-01
French bending iron	AR-7650-27
Verbrugge	AR-8943-39
Plate cutter, straight	AR-8957-06
Compatible Sutures With 22.2 or 17.9 mm Needles	
#0 FiberWire®, 97 cm, with tapered needle	AR-7250
#0 FiberWire, with diamond point needle, 22.2 mm, 1/2 circle, qty. 12	AR-7251
#2-0 FiberWire, 46 cm, with tapered needle, 17.9 mm, 3/8 circle, qty. 12	AR-7220
SutureTape, 0.9 mm, with two 22.2 mm curved needles, (white/blue)	AR-7570-02

Products advertised in this surgical technique guide may not be available in all countries. For information on availability, please contact Arthrex Customer Service or your local Arthrex representative.



AR-7650C-02

This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience, and should conduct a thorough review of pertinent medical literature and the product's directions for use. Postoperative management is patient-specific and dependent on the treating professional's assessment. Individual results will vary and not all patients will experience the same postoperative activity level or outcomes.



Arthrex manufacturer, authorized
representative, and importer
information (Arthrex eFUs)



US patent
information