ANTHEM™

Elbow Fracture System

Life moves us

The Surgical Technique shown is for illustrative purposes only. The technique(s) actually employed in each case always depends on the medical judgment of the surgeon exercised before and during surgery as to the best mode of treatment for each patient. Additionally, as instruments may occasionally be updated, the instruments depicted in this Surgical Technique may not be exactly the same as the instruments currently available. Please consult with your sales representative or contact Globus directly for more information.

SURGICAL TECHNIQUE GUIDE

ANTHEM™ Elbow Fracture System

ANTHEM™

Elbow Fracture System

The ANTHEM™ Elbow Fracture System offers anatomically contoured plates in a comprehensive set to treat a variety of distal humerus, proximal ulna, proximal radius, and coronoid fractures.

The system features 14 plate families, 2.7mm and 3.5mm screw options, and anatomy-specific reduction instruments and implants for the elbow. All of the plates in this portfolio offer polyaxial locking technology, which allows for either fixed angle trajectories or the ability to direct screws up to a 40° cone of angulation.

The screw trajectories are engineered to target areas of optimal bone purchase while minimizing screw interference and maximizing screw density. The anatomic plates are tapered and contoured for articular surfaces to help avoid joint impingement and irritation of soft tissue while maintaining robust designs in the diaphyseal regions.

Distinguishing Characteristics

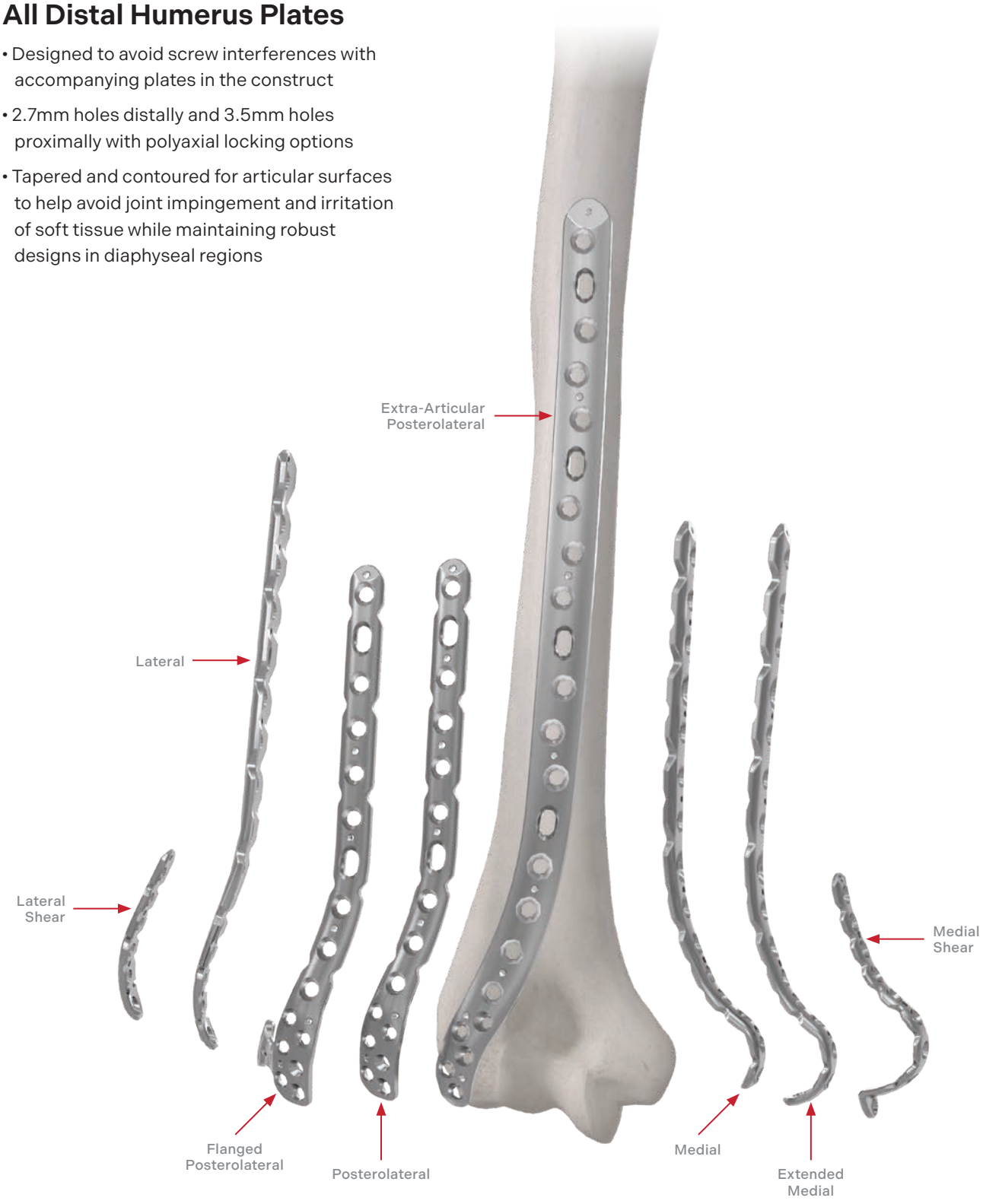
- The plates are offered in both 316L stainless steel and TAV titanium
- Left/right options for all distal humerus, Very Proximal Option (VPO), and Less Proximal Option (LPO) plates
- Variety of plate lengths offered; longest plates of each family offered as additionally available in sterile packaging
- ANTHEM™ Keystone, a universal small fragment graphic case, may be used alongside the ANTHEM™ Elbow Fracture System
    - Mini Fragment or Small Fragment Plates are available in the Keystone graphic case
    - 2.7mm, 3.5mm, and 4.0mm cancellous screws are included with lengths ranging from 10-70mm

IMPLANT OVERVIEW

Distal Humerus Plating

All Distal Humerus Plates

- Designed to avoid screw interferences with accompanying plates in the construct
- 2.7mm holes distally and 3.5mm holes proximally with polyaxial locking options
- Tapered and contoured for articular surfaces to help avoid joint impingement and irritation of soft tissue while maintaining robust designs in diaphyseal regions



Medial Plate

- Length offering of 3H (69mm) to 13H (189mm)

Extended Medial Plate

- The trajectory of the most distal screw hole is angled slightly anterior to facilitate kickstand screw insertion past previously inserted screws
- Length offering of 3H (72mm) to 13H (192mm)

Medial Shear Plate

- Extends distally to target a screw through the spool of the trochlea
- 1 length offering of 68mm

Posterolateral Plate

- Length offering of 4H (75mm) to 15H (206mm)

Flanged Posterolateral Plate

- Vertically oriented flange to target 2 screws lateral to medial, designed for additional screw purchase in multiple planes
- Contourable flange for easy adjustment to patient anatomy
- Length offering of 4H (75mm) to 15H (206mm)

Lateral Plate

- Length offering of 2H (67mm) to 14H (211mm)

Medial Shear Plate

Lateral Shear Plate

- Low-profile offering for lateral epicondyle fractures
- Features suture holes to allow for repair of lateral ligamentous structures when needed
- 1 length offering of 52mm

Extra-Articular Posterolateral Plate

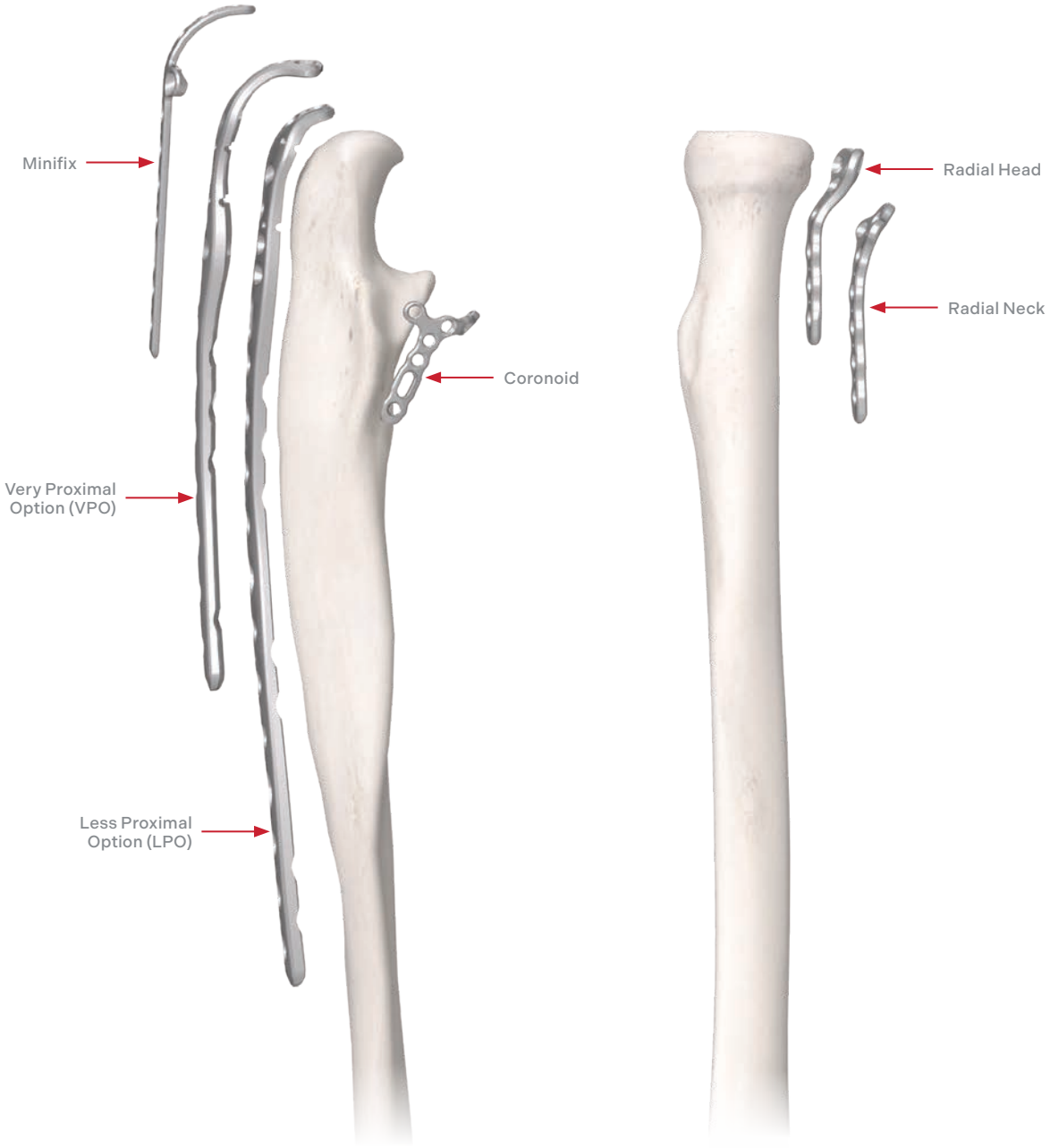
- Polyaxial proximal holes are staggered to provide optimized flexibility when targeting around the prosthesis in a periprosthetic setting
- Thin at distal end to help avoid soft tissue impingement near the articular surface
- 4.4mm thickness proximally to maintain a robust design in diaphyseal regions
- Optimized contour to fit patient anatomy
- Length offering of 8H (128mm) to 23H (306mm)

IMPLANT OVERVIEW

Proximal Ulna & Ancillary Plating

All Proximal Ulna Plates

- Nominal screw trajectories through the plate target areas of excellent bone purchase
- Screws may be targeted to help avoid the ulnohumeral and proximal radioulnar joints
- All polyaxial locking holes have 40° cone of angulation



Less Proximal Option (LPO) Plate

• Designed to treat fractures of the ulna and Monteggia variants

• 2.7mm and 3.5mm polyaxial locking hole options

• Length offering of 1H (70mm) to 12H (200mm)

Very Proximal Option (VPO) Plate

• For very proximal, short, comminuted fractures

• 3 proximal screw options offering many fixation options for comminuted proximal ulna fractures

• 2.7mm and 3.5mm polyaxial locking hole options

• Length offering of 1H (73mm) to 7H (145mm)

Minifix Plate

• Low-profile 2.7mm pre-contoured mini fragment style option with wings targeted toward the olecranon

• 1 length offering of 82mm

Coronoid

• Anatomic coronoid plate designed to buttress anteromedial facet fractures of the proximal ulna

• 2.0mm locking holes with a 30° polyaxial cone of angulation and an oblong slot to aid in plate positioning

• 1 length offering

Radial Head Plate

• Designed to support the radial head and sit inside the safe zone (the non-articulating portion in the proximal radius)

• 2.0mm locking holes with a 30° polyaxial cone of angulation

• 1 length offering of 3H (37mm)

Radial Neck Plate

• Designed to sit more distal than the radial head plate

• 2.0mm locking holes with a 30° polyaxial cone of angulation

• 1 length offering of 4H (41mm)

SURGICAL TECHNIQUE

ANTHEM™ Elbow Fracture System

Refer to the device insert (also printed at the back of this technique guide) for important information on the intended use/ indications, device description, contraindications, precautions, warnings, and potential risks associated with this system.

ANTHEM™ Distal Humerus Plates

STEP 1 Preoperative Planning

Assess the fracture using preoperative radiographs or a CT scan. Estimate the appropriate plate length based on the fracture type and patient anatomy to ensure the proper plate type, plate position and screw placement.

STEP 2 Patient Positioning

Position the patient prone or in the lateral decubitus position with the injured arm outstretched or positioned over a sterile surgical bump.

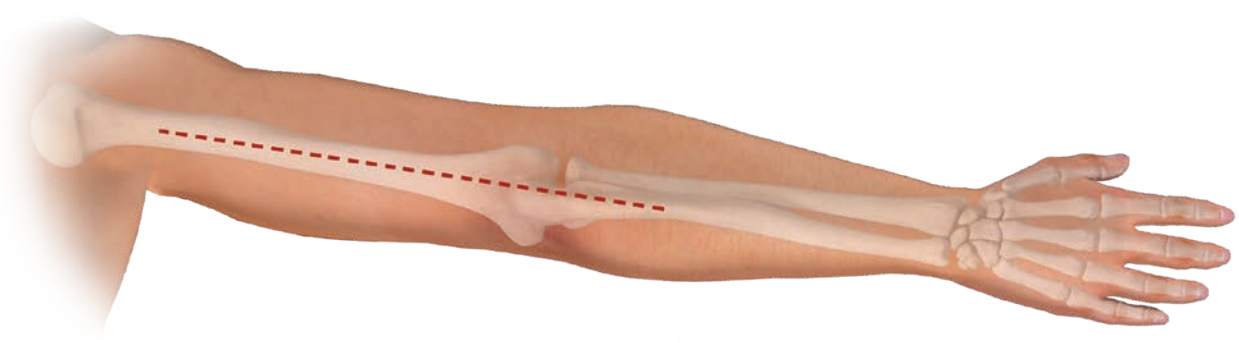
Allow for X-ray access in the anterior, posterior, and lateral views. Ensure that a true lateral view of the elbow is obtainable.

Bump helping with positioning and exposure of the fracture site

STEP 3 Surgical Approach

Determine the specific approach to the elbow based on fracture type and location. A posterior incision can be used to access the distal humerus and proximal ulna. A posterior approach is shown below.

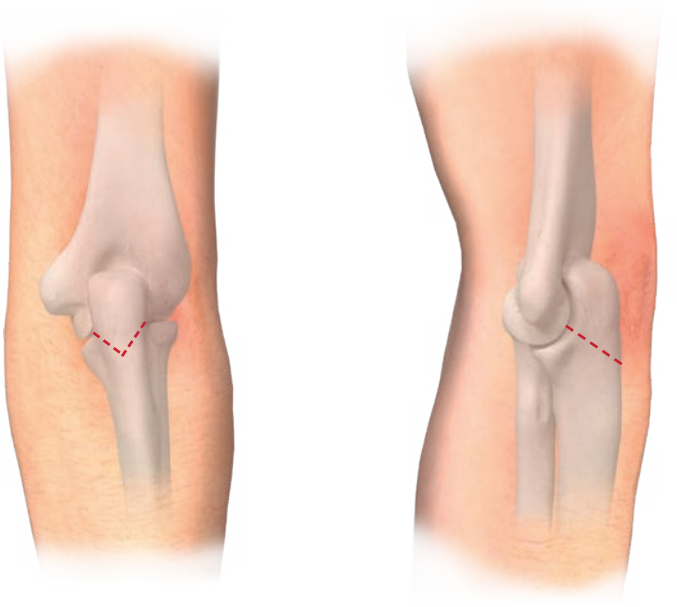
For all approaches, radiolucent Weitlaners may be used to aid in fracture-site visibility.



Posterior approach

To fully visualize the distal humerus, an olecranon osteotomy may be performed, which requires a chevron cut on the proximal ulna.

After fixation of the distal humerus is complete, internal fixation should be applied to the osteotomy site to reduce the proximal ulna.



Chevron cut

STEP 4 Retraction and Fracture Reduction

Reduce the fracture using the appropriate method for the fracture type. Confirm reduction using direct visualization and fluoroscopy. Compression may be achieved using lag screws or reduction clamps. If lag screws are used, ensure that lag screw placement does not interfere with the plate.

Retraction Instruments – ANTHEM™ Keystone

The ANTHEM™ Elbow Fracture System should always be used in tandem with the ANTHEM™ Keystone Fracture System. The ANTHEM™ Keystone Fracture System features standard retraction instruments such as Sharp Tip Radiolucent Weitlaners and Blunt Tip Radiolucent Weitlaners. Furthermore, a 6mm Curved Periosteal Elevator, an 8mm Hohmann and a 15mm Hohmann, as well as a Dental Pick can also be utilized to gain exposure of a fracture site.

ANTHEM™ Keystone Fracture System instruments

Retraction Instruments – ANTHEM™ Elbow Fracture System

The ANTHEM™ Elbow Fracture System offers anatomic retraction instruments that are designed for use within the elbow anatomy. To aid in the exposure of elbow fractures, 90° Hohmanns and a 13mm Periosteal Elevator may be used.

90° Hohmann

Retraction and Fracture Reduction (Cont'd)

Fracture Reduction Instruments – ANTHEM™ Keystone

The ANTHEM™ Keystone Fracture System contains standard clamps for reduction, such as Lobster Claw Forceps and Narrow or Wide Point-to-Point Reduction Clamps, to accommodate varying surgeon preferences. The ANTHEM™ Keystone set also includes 1.25mm, 1.6mm, 2.0mm, and 1.6mm Plate Holding K-Wires to aid in provisional reduction of bone fragments as well as plate reduction.

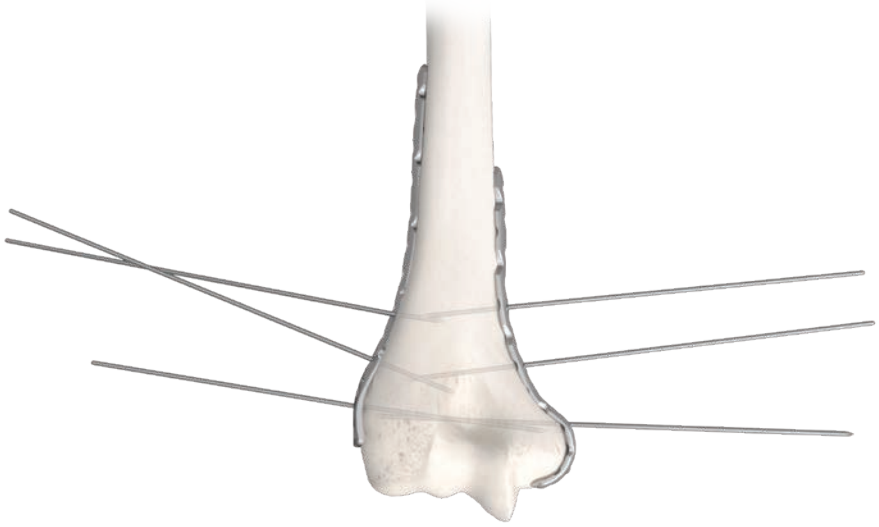
Options for reduction

Plate Holding K-Wire and Trocar Tip K-Wire

Fracture Reduction Options – Distal Humerus

The ANTHEM™ Elbow Fracture System features anatomic clamps for fragment reduction of the distal humerus to help restore anatomic alignment. The Epicondyle Clamp, Bone Holding Clamp, and Large Point-to-Point Reduction Clamp can aid in the reduction of distal humerus fractures.

Epicondyle Clamp reducing both condyles



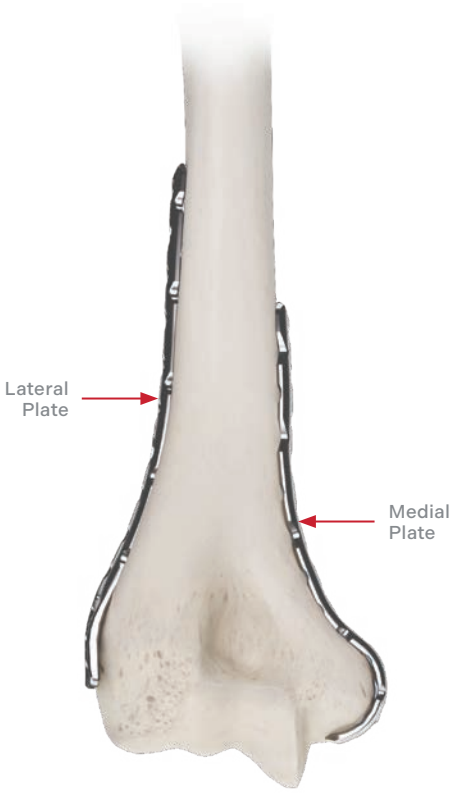
Positioning plate using provisional fixation

STEP 5 Plate Placement

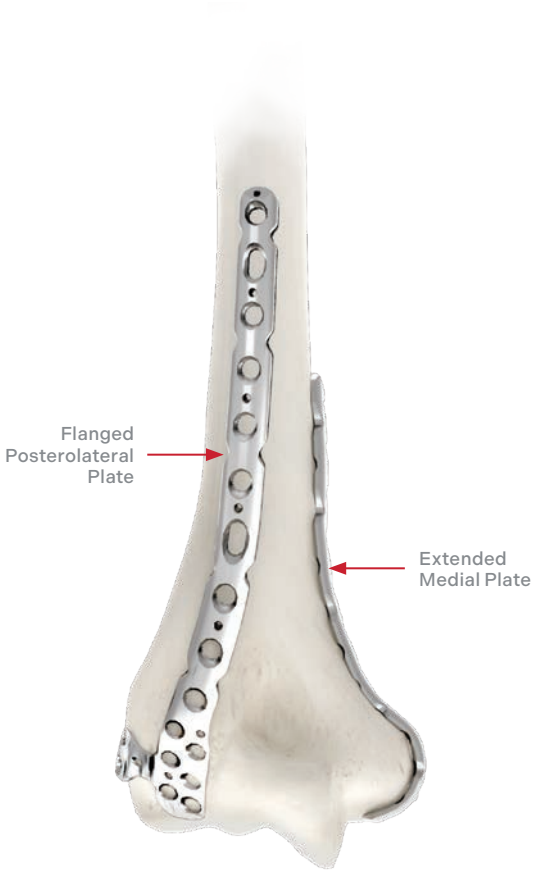
Select the appropriate plate style, size, type and length based on the fracture type, fracture location and patient anatomy for the distal humerus. Plates may be placed to create either orthogonal or parallel constructs. There are eight plate types in a variety of lengths: Medial, Extended Medial, Medial Shear, Lateral, Lateral Shear, Posterolateral, Flanged Posterolateral, and Extra-Articular Posterolateral. To fixate the distal humerus, medial and lateral plates may be used to create a parallel construct, and medial and posterolateral plates may be used to create an orthogonal construct. When placing these plates, it is recommended to place the first plate on the aspect of the distal humerus that is most intact. Ensure the distal humerus plates are placed in areas that will not impinge on the articulating joint space between the distal humerus and the proximal ulna. All standard intra-articular distal humerus plates have a 2.7mm distal, 3.5mm proximal screw profile.

When placing the plate, insert the plate through the incision, taking care to avoid damaging soft tissue. Position the plate on the bone. Confirm plate position using fluoroscopy. The plate may be held temporarily with bone reduction clamps or with K-wires using K-wire holes in each plate.

Distal Humerus Fractures – Plate Selection



Parallel construct



Orthogonal construct

Plate Placement (Cont'd)

Medial, extended medial, and medial shear plates should be placed on the distal medial epicondyle of the distal humerus. Lateral and lateral shear plates should be placed on the distal lateral epicondyle, and posterolateral, extra-articular posterolateral and flanged posterolateral plates should be placed on the posterolateral aspect.

The ANTHEM™ Elbow Fracture System also features an option for supracondylar fractures of the meta-diaphyseal junction of the humerus. The Extra-Articular Posterolateral Plate maintains a 4.4mm thickness in the shaft to stabilize fractures of the diaphyseal region of the humerus. The plate tapers distally to maintain a low profile.

The shaft holes in the Extra-Articular Posterolateral Plate are staggered 1mm medially and laterally to accommodate periprosthetic fractures. These plates also feature a 40° cone of angulation for variable angle screw placement. The distal end of the Extra-Articular Posterolateral Plate accepts 2.7mm screws. The shaft features 3.5mm locking screw holes as well as oblong slots for compression.

Distal Humerus Fractures with Diaphyseal Involvement

Extra-Articular Posterolateral Plate

Plate Placement (Cont'd)

Ancillary plate options (Medial and Lateral Shear Plates) are available for distal humerus fractures. Both styles of plates accept only 2.7mm screws.

Place the appropriate plate onto the bone with a reduction clamp or fixate it provisionally with the appropriate K-wire size. All distal humerus plate families accept 1.6mm K-wires.

Ancillary Options for the Distal Humerus: Shear Plates

Medial Shear Plate

Lateral Shear Plate

Note: these images depict the final constructs

STEP 6 Screw Insertion

Screw Compatibility

Screws are available in various diameters to fixate intra-articular and extra-articular areas of the distal humerus, proximal ulna, and/or proximal radius. Intra-articular areas include the distal humerus, olecranon, and the proximal radius. Extra-articular areas include the humeral, ulnar, and radial diaphyses.

If screw-plate locking is desired in a polyaxial hole, use locking screws only.

All non-locking screws should be placed prior to any locking screws. If using a combination of locking and non-locking screws, the non-locking screws should be inserted first to ensure that the plate has appropriate bone contact. Screw insertion order depends upon fracture type, preliminary reduction, and surgeon preference.

Instruments are color-coded by screw size.

Color	Screw Diameter	Drill Diameter Pre-Drill	Drill Diameter Over-Drill	Driver
Orange	2.7mm	2.0mm	2.7mm	T8
Fuchsia	3.5mm	2.7mm	3.5mm	T15
Light Green	4.0mm	2.7mm	N/A	T15

Polyaxial Locking Options

All distal humerus plates feature robust polyaxial locking options, allowing for 40° of angulation in every locking hole.

Final tightening for locking screws should be performed by hand.

All polyaxial locking holes accept both locking and non-locking screws.

The screws inserted through the flange of the flanged posterolateral plate are designed to interdigitate at nominal trajectories.

40° cone of angulation

Screw Insertion (Cont'd)

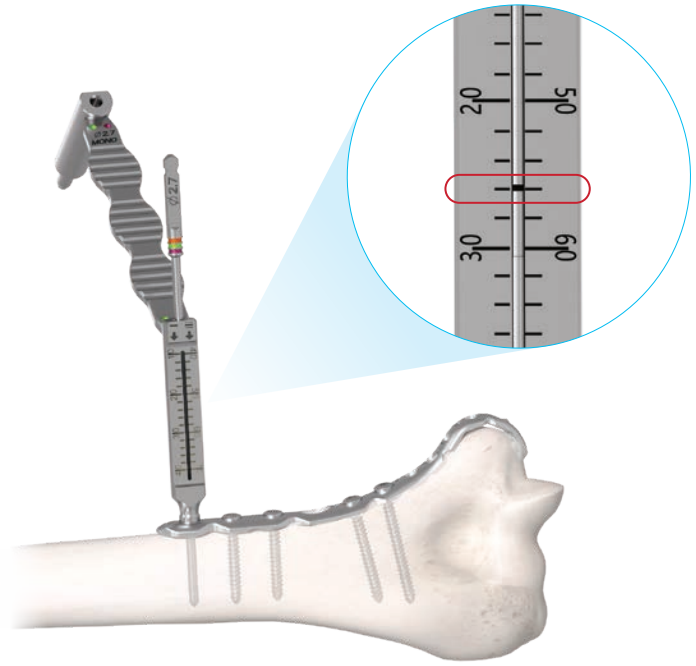
Drill Guide Options

The 2.7mm and 2.0mm Polyaxial Drill Guides have dedicated sides to drill nominally or with a ± 20° (40° cone) of angulation.

For both drill guides, in order to read the correct measurement from the drill bit, note that the single etch line measures screws from 10-40mm. The thick etch line in between the two smaller etch lines measures screws 40-70mm. Read measurement from the thick middle line.

The 2.7mm Polyaxial Drill Guide is compatible with the 2.7x130mm and 2.7x170mm drill bits.

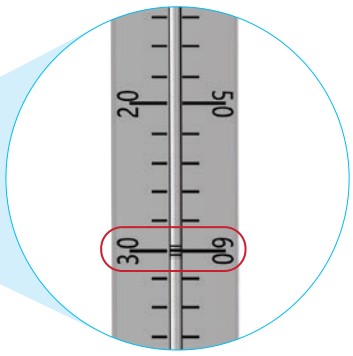
The 2.0mm Polyaxial Drill Guide is compatible with the 2.0x130mm and 2.0x170mm drill bits.



Measurement of 26mm can be read on measuring device (as shown in enlarged image above)

2.7mm Calibrated Drill Guide

Kickstand screw drill trajectory, anterior to proximal screws



Measurement of 60mm can be read on drill guide

Screw Insertion (Cont'd)

Screw Compatibility - Medial Epicondyle Distal Humerus Plates

Medial Plate

Polyaxial Locking Holes

- 3.5mm Locking
- 3.5mm Non-Locking
- 4.0mm Cancellous

Non-Locking Holes

- 3.5mm Non-Locking
- 4.0mm Cancellous

Polyaxial Locking Holes

- 2.7mm Locking
- 2.7mm Non-Locking

1.6mm K-wire size

Extended Medial Plate

Polyaxial Locking Holes

- 3.5mm Locking
- 3.5mm Non-Locking
- 4.0mm Cancellous

Non-Locking Holes

- 3.5mm Non-Locking
- 4.0mm Cancellous

Polyaxial Locking Holes

- 2.7mm Locking
- 2.7mm Non-Locking

1.6mm K-wire size

Medial Shear Plate

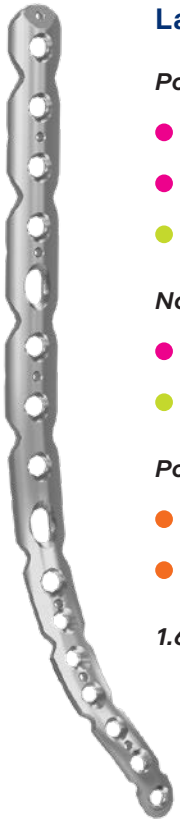
Polyaxial Locking Holes

- 2.7mm Locking
- 2.7mm Non-Locking

1.6mm K-wire size

Screw Insertion (Cont'd)

Lateral Epicondyle Distal Humerus Plates



Lateral Plate

Polyaxial Locking Holes

- 3.5mm Locking
- 3.5mm Non-Locking
- 4.0mm Cancellous

Non-Locking Holes

- 3.5mm Non-Locking
- 4.0mm Cancellous

Polyaxial Locking Holes

- 2.7mm Locking
- 2.7mm Non-Locking

1.6mm K-wire size

Lateral Shear Plate

Polyaxial Locking Holes

- 2.7mm Locking
- 2.7mm Non-Locking

1.6mm K-wire size

Holes where 2.7mm screws can be placed also accept 2.5mm locking and non-locking screws.

Screw Insertion (Cont'd)

Posterolateral Distal Humerus Plates

Posterolateral Plate

Polyaxial Locking Holes

- 3.5mm Locking
- 3.5mm Non-Locking
- 4.0mm Cancellous

Non-Locking Holes

- 3.5mm Non-Locking
- 4.0mm Cancellous

Polyaxial Locking Holes

- 2.7mm Locking
- 2.7mm Non-Locking

1.6mm K-wire size

Flanged Posterolateral

Polyaxial Locking Holes

- 3.5mm Locking
- 3.5mm Non-Locking
- 4.0mm Cancellous

Non-Locking Holes

- 3.5mm Non-Locking
- 4.0mm Cancellous

Polyaxial Locking Holes

- 2.7mm Locking
- 2.7mm Non-Locking

1.6mm K-wire size

Screw Insertion (Cont'd)

Extra-Articular Posterolateral Distal Humerus Plate

Polyaxial Locking Holes

- 3.5mm Locking
- 3.5mm Non-Locking
- 4.0mm Cancellous

Non-Locking Holes

- 3.5mm Non-Locking
- 4.0mm Cancellous

Polyaxial Locking Holes

- 2.7mm Locking
- 2.7mm Non-Locking

1.6mm K-wire size

Holes where 2.7mm screws can be placed also accept 2.5mm locking and non-locking screws.

Screw Insertion (Cont'd)

Intra-Articular 2.7mm Screws: Distal Humerus

Confirm plate position using fluoroscopy. Select a 2.0mm Calibrated Drill. Pre-drill to the desired depth using the 2.0mm Polyaxial Drill Guide. Drill based on the desired depth.

Measure the hole depth using the 2.5mm/2.7mm Depth Gauge or by reading the depth from the calibrated drill.

Use the self-retaining T8 Driver or Screw Holding Forceps to select the desired screw. Verify the screw length and diameter using the gauges within the screw module.

Insert the 2.7 locking or non-locking screws using the T8 Driver with the quick-connect handle manually or under power. If insertion under power is preferred, use the 1.2Nm Torque-Limiting Attachment. Final tightening should be performed manually. Confirm screw position using fluoroscopy.

Two etch lines on the depth gauge sleeve indicate a 30mm measurement

Inserting 2.7mm screws in the intra-articular region

Screw Insertion (Cont'd)

Extra-Articular 3.5mm & 4.0mm Cancellous Shaft Screws: Distal Humerus

Confirm plate position using fluoroscopy. For Distal Humerus and Proximal Ulna plates, 3.5mm Locking and Non-Locking screws and 4.0 Cancellous screws may be used for extra-articular insertion. Select a 2.7mm Calibrated Drill. Pre-drill to the desired depth using the 2.7mm Polyaxial Drill Guide. Drill based on desired depth.

Measure the hole depth using the 3.5mm Depth Gauge or by reading the depth from the calibrated drill.

Use the self-retaining T15 Driver or Screw Holding Forceps to select the desired screw. Verify the screw length and diameter using the gauges within the screw module.

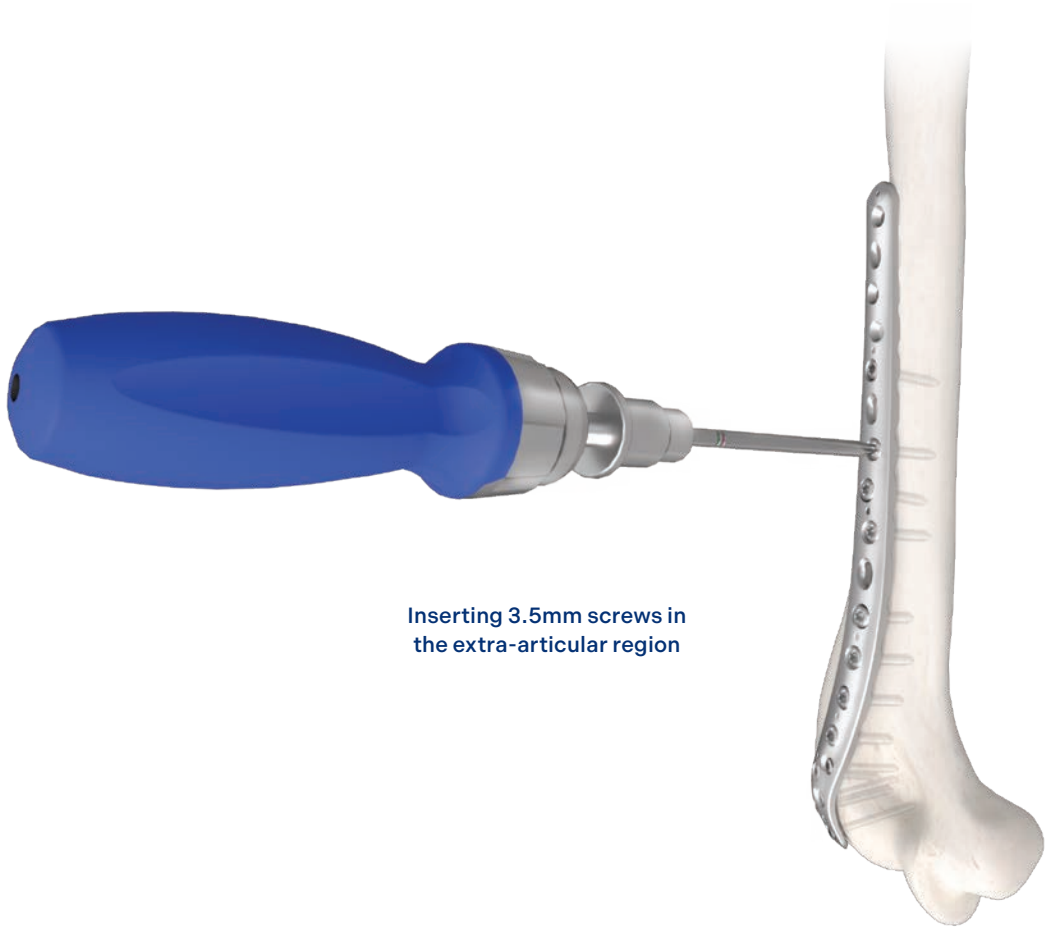
Insert the 3.5mm locking and non-locking screws or 4.0 cancellous screws into the plate using the T15 Driver with a quick-connect handle, manually or under power. If insertion under power is preferred, use the 2.5Nm Torque-Limiting Attachment.

Final tightening should be performed manually. Confirm screw position using fluoroscopy.

Verification

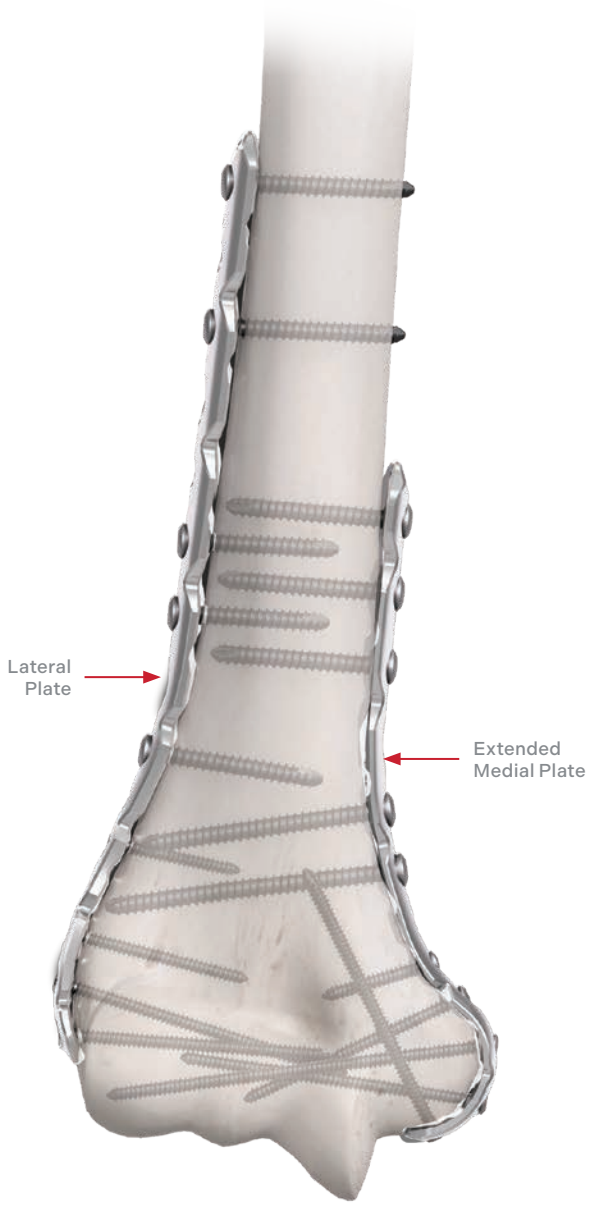
Confirm reduction and fixation using fluoroscopy. Check screw placement in all planes, as angulation and direction may be challenging to visualize.

Refer to the images of the final distal humerus constructs for representative images of final reduction, fixation and screw angulation.

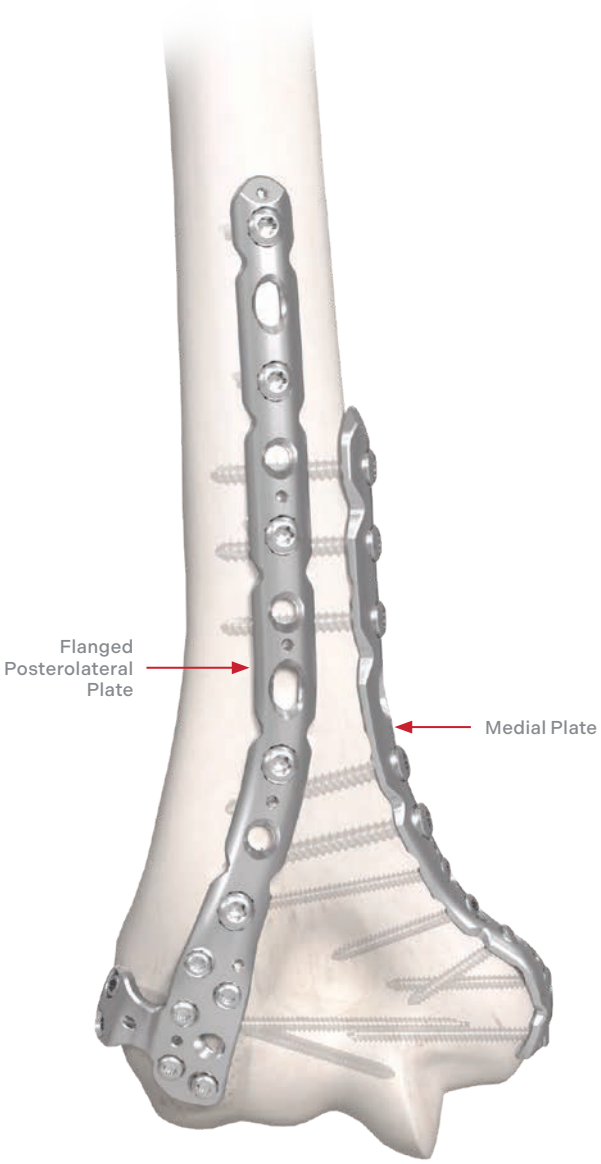


Inserting 3.5mm screws in the extra-articular region

Final Constructs



Parallel construct
(lateral and medial)



Orthogonal construct
(posterolateral and medial)

The Extended Medial Plate's most distal screw angles anteriorly at nominal to avoid screws that were placed proximal to it.

Final Constructs (Cont'd)

Extra-Articular Posterolateral

Lateral Shear

Medial Shear

Optional: Removal

If removal is required, use the T8 Driver for 2.7mm screws or T15 Driver for 3.5mm and 4.0mm screws to unlock all locking screws from the plate, but do not remove the screws yet. This prevents simultaneous rotation of the plate when removing the last locking screw. Once all locking screws are unlocked from the plate, completely remove all locking and non-locking screws from the bone using the T8 or T15 Driver. After all screws are removed from the bone, the plate may be removed.

ANTHEM™ Proximal Ulna Plates

STEP 1 Preoperative Planning

Assess the fracture using preoperative radiographs or a CT scan. Estimate the appropriate length plates based on the fracture type and patient anatomy. Plan the plate position and screw placement.

STEP 2 Patient Positioning

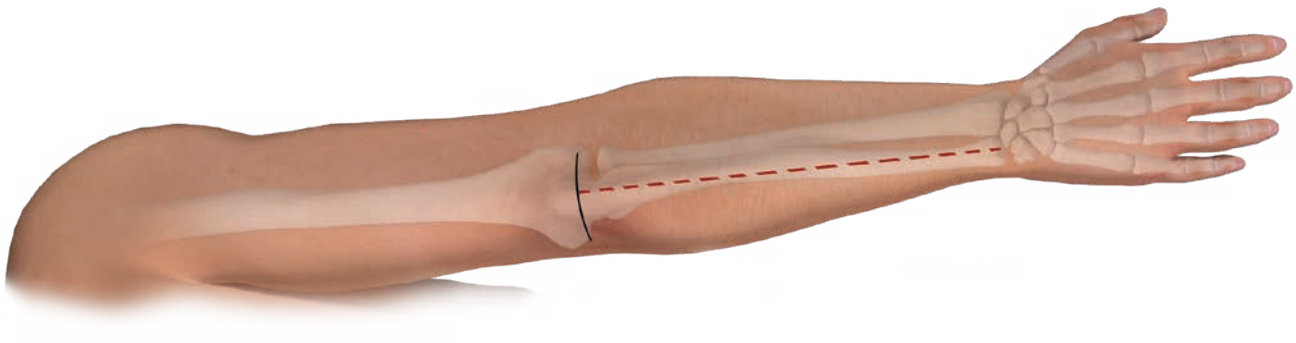
Position the patient prone or lateral with the injured arm outstretched or positioned over a sterile surgical bump.

Allow for X-ray access in both the anterior/posterior and lateral views. Ensure that a true lateral view of the elbow is obtainable in this position.

STEP 3 Surgical Approach

As stated in Step 4 of the ANTHEM™ Distal Humerus Plates section, the ANTHEM™ Keystone and Elbow sets possess standard retraction instruments to aid in the visualization and exposure of anatomy.

A standard proximal ulna approach will allow exposure along the ulnar shaft. The skin incision follows the subcutaneous border of the ulna. This incision can extend as distally as needed to access distal portions of the bone.



Surgical approach

STEP 4 Fracture Reduction

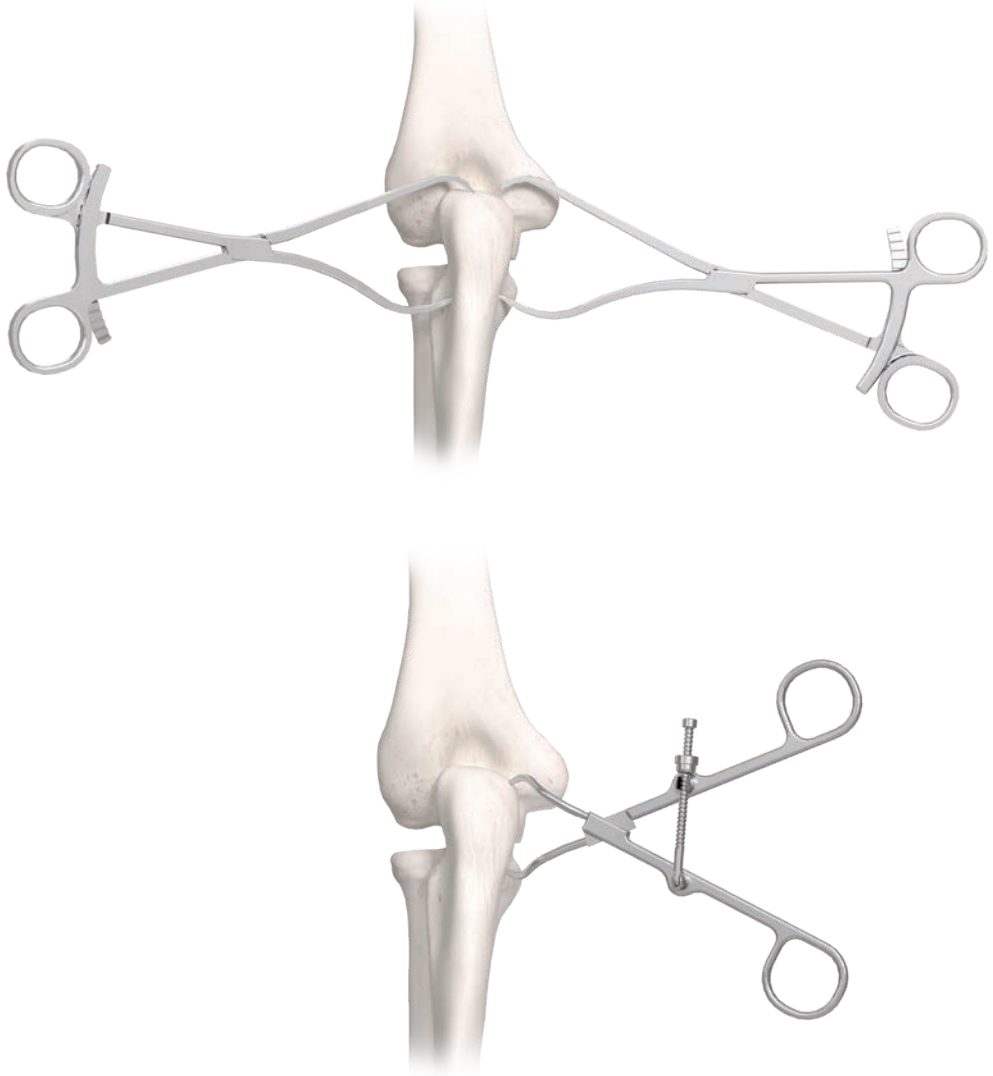
As stated in Step 4 of the ANTHEM™ Distal Humerus Plates section, the ANTHEM™ Keystone set features standard reduction instruments to aid in the anatomic alignment of bone fractures.

Reduce the fracture using the appropriate method for the fracture type. Confirm reduction using fluoroscopy. Compression may be achieved using lag screws, reduction clamps, or K-wires. If lag screws are used, ensure that lag screw placement does not interfere with the plate.

Fracture Reduction Options – Proximal Ulna

The ANTHEM™ Elbow Fracture System offers anatomic clamps for fragment reduction of the proximal ulna to help restore anatomic alignment. To assist the reduction of the bone, 2.0mm pilot holes may be drilled into the olecranon to create guide holes for the ends of the clamp.

The Proximal Ulna Clamp can aid in the reduction of proximal ulna fractures. The Spin-Down Straight Clamp can aid in the reduction of the olecranon to the ulna.



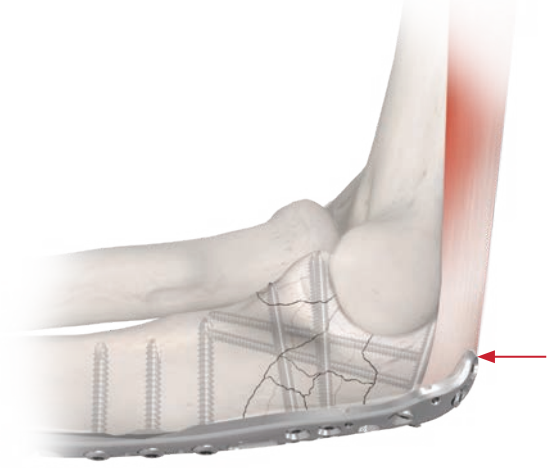
Proximal ulna-specific clamps

STEP 5 Plate Placement

If creating a proximal ulna construct, plates are available for fixation of various posterior proximal ulna fractures. There are three plate types available in a variety of lengths: Minifix, Less Proximal Option (LPO) and Very Proximal Option (VPO). Select the appropriate plate style, size, type and length based on the fracture type, fracture location and patient anatomy for the proximal ulna. These plates should be placed on the posterior aspect of the proximal ulna through triceps splitting or triceps sparing approaches.*

Proximal Ulna Plate placement of VPO Plate on posterior aspect

Triceps splitting



Triceps sparing

**Note: these images depict the final constructs*

Plate Placement (Cont'd)

When placing the plate, insert the plate through the incision, taking care to avoid damaging soft tissue. Position the plate on the bone. Confirm plate position using fluoroscopy. The VPO and LPO Plate families accept 1.6mm K-wires. The Minifix Plate accepts 1.25mm K-wires.

The Positioning Slot present on the Proximal Ulna plates may be used to adjust plate position. Place screws through the screw hole using the corresponding driver. Confirm screw position using fluoroscopy. For proximal olecranon fractures with tenuous fixation due to poor bone stock or significant comminution, consider supplemental suture fixation of the triceps. Lateral and medial holes along the plate allow for suture passage through the proximal K-wire holes to help offload triceps tension through the plate. This can be performed with both VPO and LPO options.

VPO Proximal Ulna Plate

LPO Proximal Ulna Plate

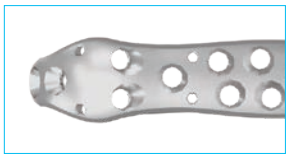
Minifix

STEP 6 Screw Insertion

Refer to Step 6 of the ANTHEM™ Distal Humerus Plates section for screw compatibility, polyaxial locking options, and drill guide options.

Screw Compatibility – Proximal Ulna Plates

Polyaxial Locking Holes	*Polyaxial Locking Holes*	*Non-Locking Holes*	*1.6mm K-wire size*
● 2.7mm Locking	● 3.5mm Locking	● 3.5mm Non-Locking	
● 2.7mm Non-Locking	● 3.5mm Non-Locking	● 4.0mm Cancellous	
	● 4.0mm Cancellous		



Polyaxial Locking Holes	*Polyaxial Locking Holes*	*Non-Locking Holes*	*1.6mm K-wire size*
● 2.7mm Locking	● 3.5mm Locking	● 3.5mm Non-Locking	
● 2.7mm Non-Locking	● 3.5mm Non-Locking	● 4.0mm Cancellous	
	● 4.0mm Cancellous		

Polyaxial Locking Holes	*Non-Locking Holes*	*1.25mm K-wire size*
● 2.7mm Locking	● 2.7mm Non-Locking	
● 2.7mm Non-Locking		

Note: The holes on all proximal ulna plates feature a 40° cone of angulation.

Holes where 2.7mm screws can be placed also accept 2.5mm locking and non-locking screws.

Screw Insertion (Cont'd)

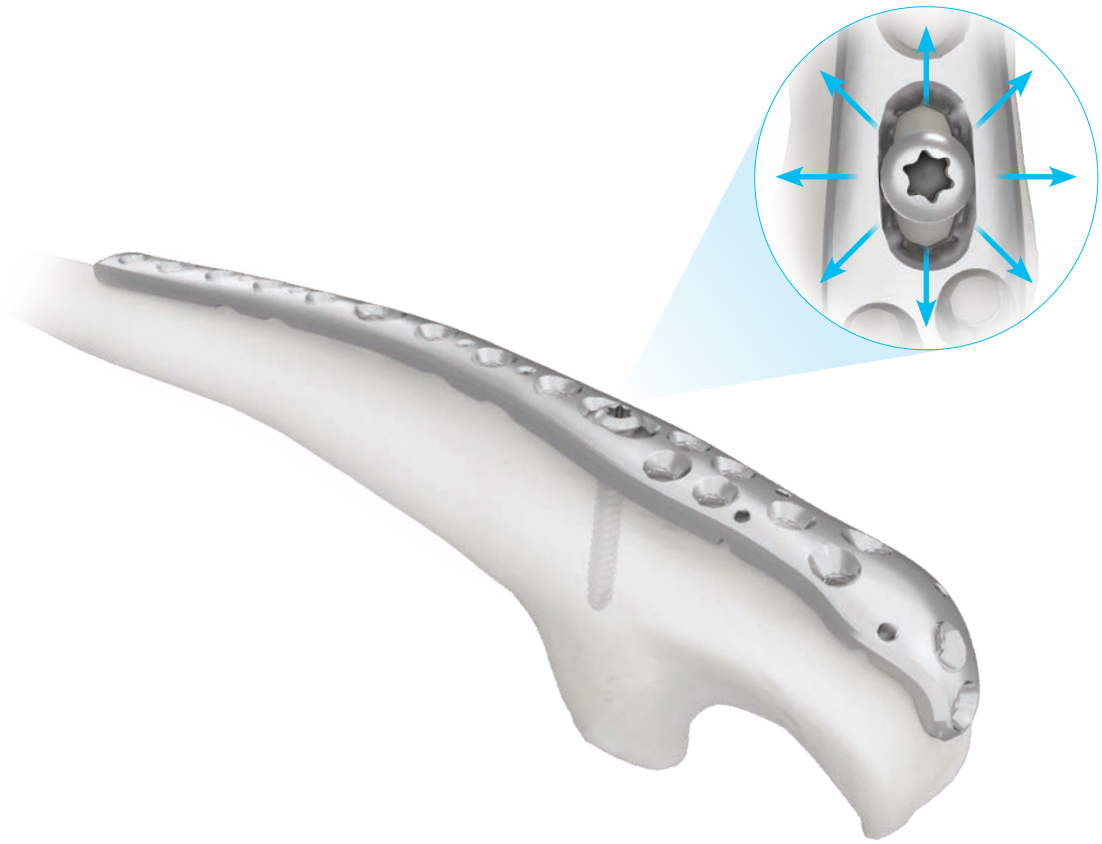
Intra-Articular 2.7mm Screws: Proximal Ulna and Minifix Plate

Confirm plate position using fluoroscopy. For Distal Humerus, Proximal Ulna and Minifix plates, 2.7mm locking and non-locking screws may be used for intra-articular insertion. Select a 2.0mm Calibrated Drill. Pre-drill to the desired depth using the 2.0mm Polyaxial Drill Guide. Drill based on the desired depth.

Measure the hole depth using the 2.5mm/2.7mm Depth Gauge or by reading the depth from the calibrated drill.

Use the self-retaining T8 Driver or Screw Holding Forceps to select the desired screw. Verify the screw length and diameter using the gauges within the screw module.

Insert the 2.7mm locking or non-locking screws using the T8 Driver with the quick-connect handle manually or under power. If insertion under power is preferred, use the 1.2Nm Torque-Limiting Attachment. Final tightening should be performed manually. Confirm screw position using fluoroscopy.



Positioning hole allows for plate translation

Screw Insertion (Cont'd)

Extra-Articular 3.5mm & 4.0mm Cancellous Shaft Screws: Proximal Ulna

Confirm plate position using fluoroscopy. Select a 2.7mm Calibrated Drill. Pre-drill to the desired depth using the 2.7mm Polyaxial Drill Guide. Drill based on desired depth.

Measure the hole depth using the 3.5mm Depth Gauge or by reading the depth from the calibrated drill.

Use the self-retaining T15 Driver or Screw Holding Forceps to select the desired screw. Verify the screw length and diameter using the gauges within the screw module.

Insert the 3.5mm locking or non-locking screws using the T15 Driver with the quick-connect handle or under power. If insertion under power is preferred, use the 2.5Nm Torque-Limiting Attachment.

Final tightening should be performed manually. Confirm screw position using fluoroscopy.

Verification

Confirm reduction and fixation using fluoroscopy. Check screw placement in all planes, as angulation and direction may be challenging to visualize.

Refer to the images of the final proximal ulna constructs for representative images of final reduction, fixation and screw angulation.

VPO Proximal Ulna Plate

LPO Proximal Ulna Plate

Minifix

Screw holes in the VPO Plate are offered in a unique pattern to fixate comminuted olecranon fractures

Final Constructs

Minifix

VPO

LPO

Optional: Removal

If removal is required, use the T8 Driver for 2.7mm screws or T15 Driver for 3.5mm and 4.0mm screws to unlock all locking screws from the plate, but do not remove the screws yet. This prevents simultaneous rotation of the plate when removing the last locking screw. Once all locking screws are unlocked from the plate, completely remove all locking and non-locking screws from the bone using the T8 or T15 Driver. After all screws are removed from the bone, the plate may be removed.

ANTHEM™ Proximal Radius and Coronoid Plates*

**The coronoid process is located on the anteromedial aspect of the proximal ulna. However, the instruments used for Coronoid plate placement and screw insertion are the same as those used for insertion of the Proximal Radius Plate and screws.*

STEP 1 Preoperative Planning

Assess the fracture using preoperative radiographs or a CT scan. Estimate the appropriate length plates based on the fracture type and patient anatomy. Plan the plate position and screw placement.

STEP 2 Patient Positioning

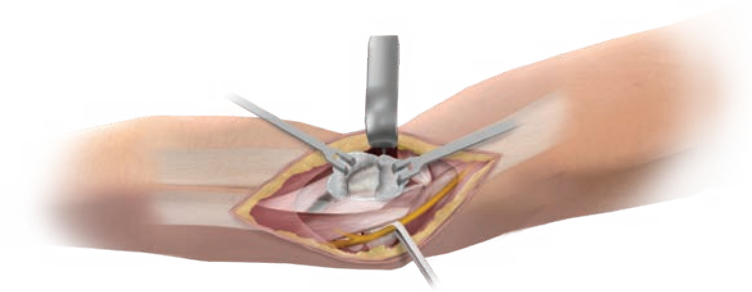
Position the patient prone or lateral with the injured arm outstretched or positioned over a sterile surgical bump.

Allow for X-ray access in both the anterior/posterior and lateral views. Ensure that a true lateral view of the elbow is obtainable in this position.

STEP 3 Surgical Approach

As stated in Step 4 of the ANTHEM™ Distal Humerus Plates section, the ANTHEM™ Keystone and Elbow sets feature standard retraction instruments to aid in the visualization and exposure of anatomy. ANTHEM™ Mini Fragment is necessary for successful implantation of the Coronoid, Radial Head, and Radial Neck Plates. Retraction instruments within the ANTHEM™ Mini Fragment set can aid in exposure as well.

The coronoid may be accessed through the Hotchkiss approach. The proximal radius may be accessed through a lateral approach.

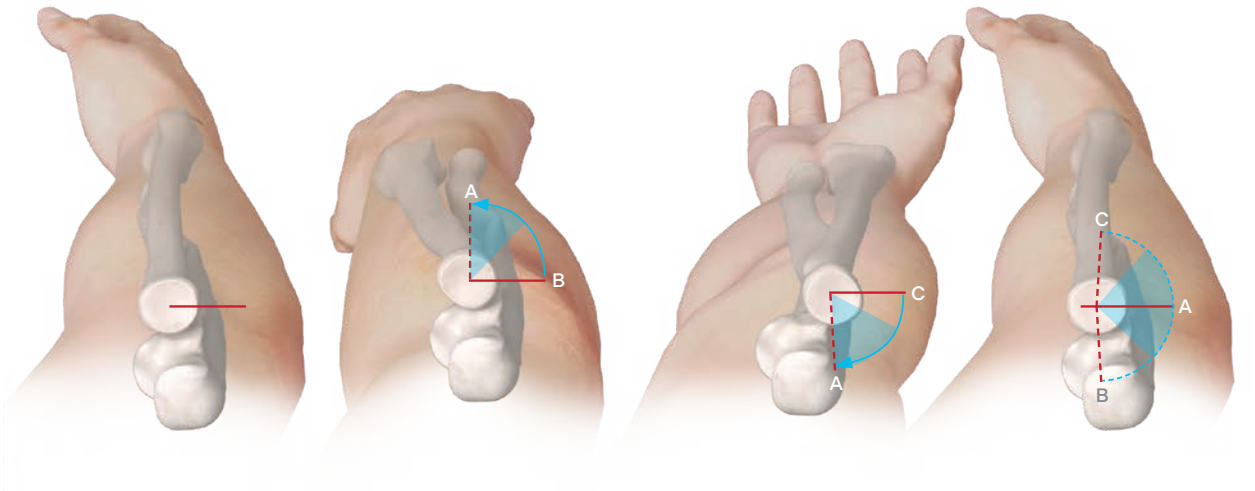


Hotchkiss approach

Lateral approach

Surgical Approach (Cont'd)

When positioning the Radial Head and Radial Neck Plates on the proximal radius, the plates must be placed in the non-articulating portion of the proximal radius (referred to as the safe zone) to avoid joint impingement and irritation of the posterior interosseous nerve (PIN). In order to deduce the location of the safe zone, observe the forearm in neutral rotation, full pronation, and full supination.



Safe zone illustrated with the pronation and supination of the forearm

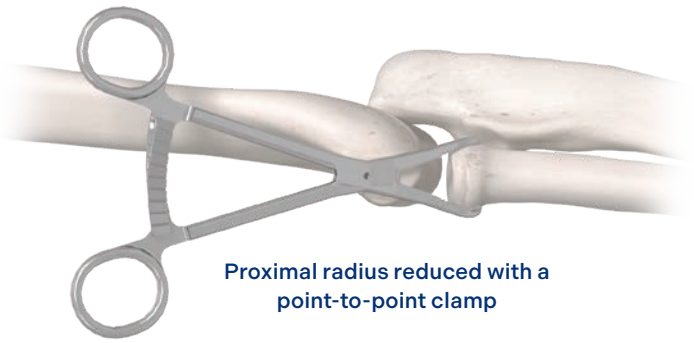
STEP 4 Fracture Reduction

As stated in Step 4 of the ANTHEM™ Distal Humerus Plates section, the ANTHEM™ Keystone set offer standard reduction instruments to aid in the anatomic alignment of bone fractures.

Reduce the fracture using the appropriate method for the fracture type. Confirm reduction using fluoroscopy. Compression may be achieved using lag screws, reduction clamps, or K-wires. If lag screws are used, ensure that lag screw placement does not interfere with the plate.

Fracture Reduction Options – Ancillary Plates: Coronoid, Radial Head, and Radial Neck

Along with ANTHEM™ Keystone, ANTHEM™ Mini Fragment instruments may be used to help reduce fractures of the coronoid and proximal radius. ANTHEM™ Mini Fragment is necessary for successful implantation of the Coronoid, Radial Head, and Radial Neck Plates. Reduction instruments within the ANTHEM™ Mini Fragment set can aid in reducing the fracture as well. The Radial Head and Radial Neck Plates accept 1.25mm K-wires.



Proximal radius reduced with a point-to-point clamp

STEP 5 Plate Placement

Select the appropriate plate style, size, type and length based on the fracture type, fracture location and patient anatomy for the proximal radius or coronoid. Coronoid, Radial Head and Radial Neck plates are only available in sterile packaging. When placing the plate, insert the plate through the incision, taking care to avoid damaging soft tissue. Position the plate on the bone. Confirm plate position using fluoroscopy. The Radial Head and Radial Neck Plates accept 1.25mm K-wires.

Proximal Radius

If creating a proximal radius construct, there are two plate types available, Radial Head and Radial Neck. These plates should be placed in the non-articulating portion of the proximal radius to not impinge on the joint space.

Radial Head (Left) and Radial Neck (Right) plate placement on proximal radius

Coronoid

A Coronoid plate can be used to buttress fracture fragments on the anteromedial coronoid facet of the proximal ulna. These plates should be placed in an area on the bone that will not impinge on the joint space.

Proximal Ulna Coronoid Plate placement on anteromedial coronoid facet

STEP 6 Screw Insertion

Color	Screw Diameter	Drill Diameter Pre-Drill	Drill Diameter Over-Drill	Driver
● Bronze	2.0mm	1.5mm	2.0mm	T6

Radial Head

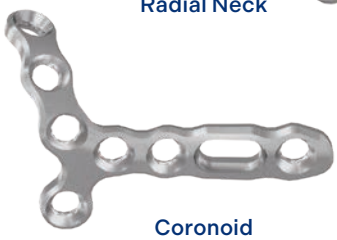
Polyaxial Locking Holes

- 2.0mm Locking
- 2.0mm Non-Locking

Radial Neck

Polyaxial Locking Holes

- 2.0mm Locking
- 2.0mm Non-Locking



Coronoid

Polyaxial Locking Holes

- 2.0mm Locking
- 2.0mm Non-Locking

Polyaxial Non-Locking Holes

- 2.0mm Non-Locking

Note: The ANTHEM™ Mini Fragment System contains the necessary 1.5mm drills and T6 Driver for the ancillary portion of the ANTHEM™ Elbow Fracture System portfolio.

Note: For 2.0mm holes, the cone of polyaxial angulation is 30°.

Ancillary 2.0mm Plates: Radial Head, Radial Neck, and Coronoid

Confirm plate position using fluoroscopy. Proximal Radius and Coronoid plates are used with 2.0mm Locking and Non-Locking screws. A 1.5mm pre-drill is necessary for 2.0mm screws. Measure hole depth with the 2.0mm Depth Gauge.

Use the self-retaining T6 Driver or Screw Holding Forceps to select the desired screw. Verify the screw length and diameter using the gauges within the screw module.

Insert the 2.0mm locking or non-locking screws into the plate using the T6 Driver with the quick-connect handle or under power. Final tightening should be performed manually with the 0.8Nm Torque-Limiting Handle. Confirm screw position using fluoroscopy.

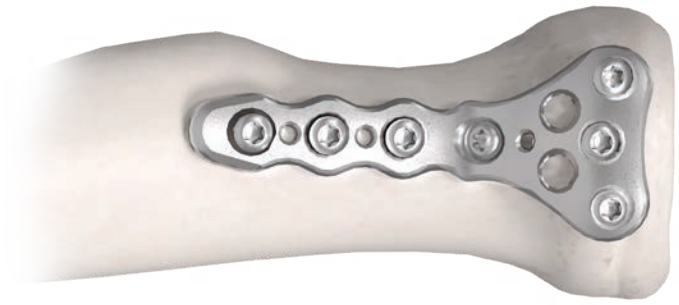
2.0mm screw insertion into the Coronoid plate

Verification

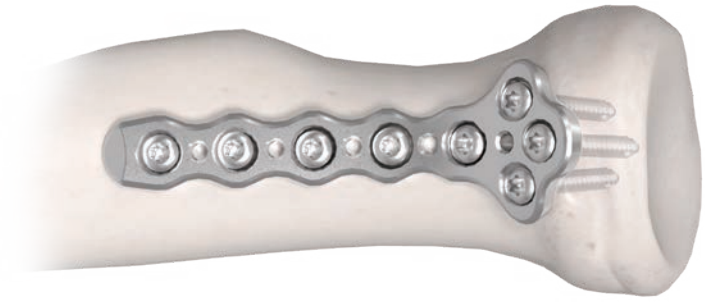
Confirm reduction and fixation using fluoroscopy. Check screw placement in all planes, as angulation and direction may be challenging to visualize.

Refer to the images of the final proximal radius and coronoid constructs for representative images of final reduction, fixation, and screw angulation.

Final Constructs



Radial Head



Radial Neck

Coronoid

Optional: Removal

If removal is required, use the T6 Driver for 2.0mm screws to unlock all locking screws from the plate, but do not remove the screws yet. This prevents simultaneous rotation of the plate when removing the last locking screw. Once all locking screws are unlocked from the plate, completely remove all locking and non-locking screws from the bone using the T6 Driver. After all screws are removed from the bone, the plate may be removed.

INSTRUMENT OVERVIEW

RETRACTORS

Stabilizing Radiolucent Weitlaner, 2x3, 5", Sharp Tip 6171.0001

Stabilizing Radiolucent Weitlaner, 3x4, 8", Blunt Tip 6171.0005

Dental Pick, Curved Tip, Large Handle 6179.7025

Periosteal Elevator, Curved Round Tip, 6mm 6179.7019

RETRACTORS (CONT'D)

Periosteal Elevator, Curved Round Tip, 13mm 6186.9005

Hohmann Retractor, 8mm 6179.7016

Hohmann Retractor, 15mm 6179.7017

90° Hohmann Retractor 6189.7017

K-WIRES

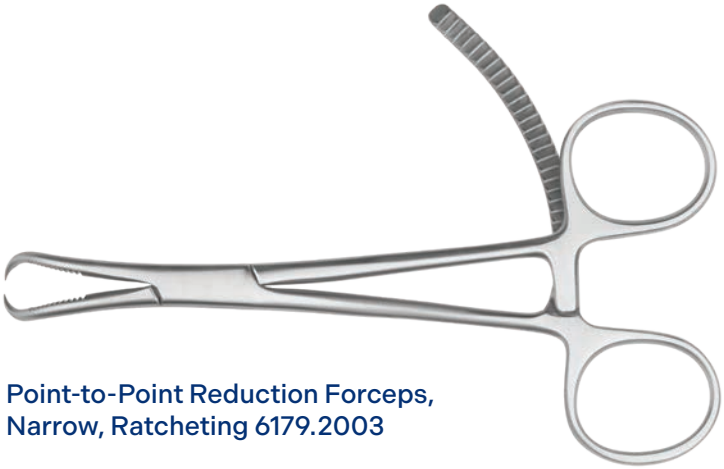
1.25mm K-Wire, Trocar Tip, 150mm 6179.1113

1.6mm K-Wire, Trocar Tip, 150mm 6179.1116

2.0mm K-Wire, Trocar Tip, 150mm 6179.1120

1.6mm Plate Holding K-Wire, Threaded Trocar Tip, 75mm 6179.1216

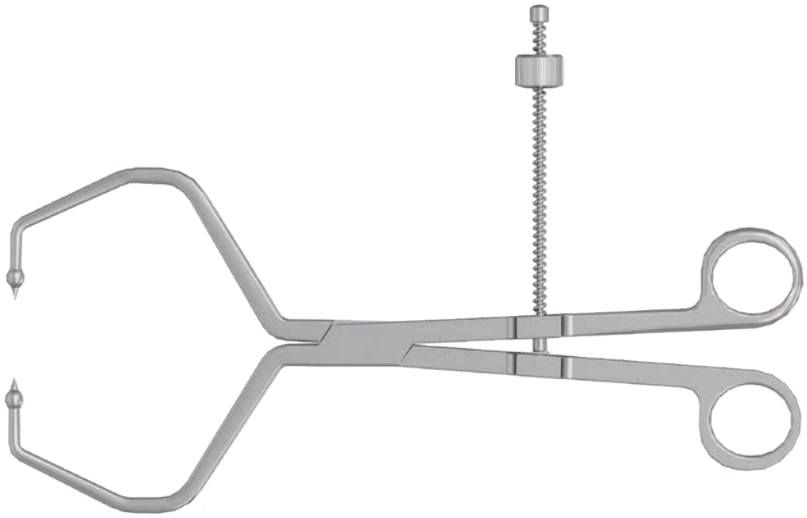
Lobster Claw Reduction Forceps,
Ratcheting 6179.2001



Point-to-Point Reduction Forceps,
Narrow, Ratcheting 6179.2003

REDUCTION INSTRUMENTS

Point-to-Point Reduction Forceps,
Wide, Ratcheting 6179.2004

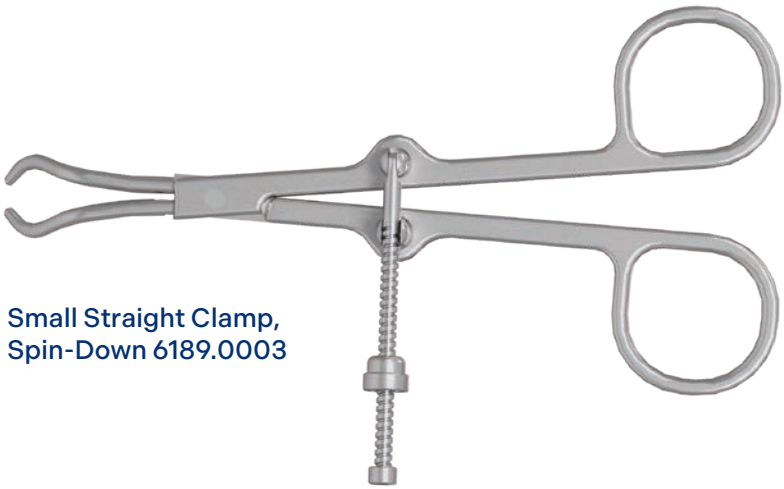


Epicondyle Clamp 6189.0002

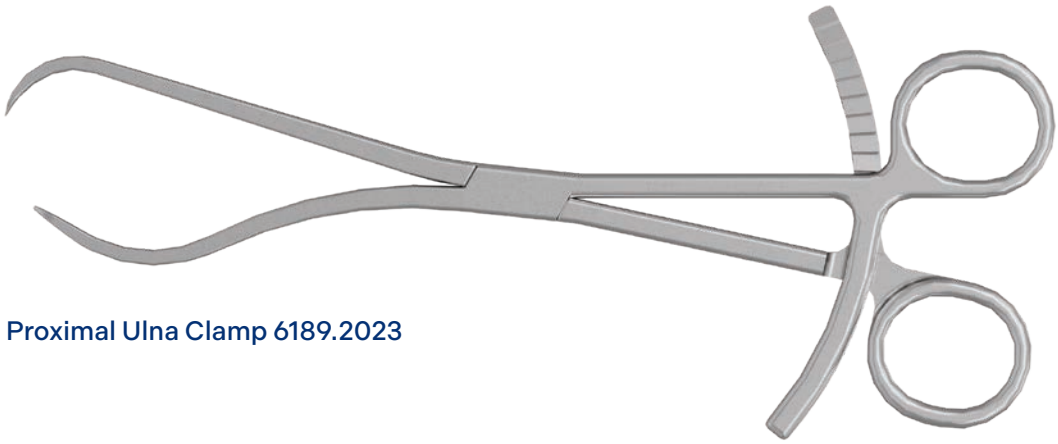
Point-to-Point Reduction Forceps, Large,
Ratcheting 6168.2003

REDUCTION INSTRUMENTS (CONT'D)

Bone Holding Clamp, Large 6168.2001



Small Straight Clamp,
Spin-Down 6189.0003



Proximal Ulna Clamp 6189.2023

SCREW PREPARATION INSTRUMENTS

2.7mm Soft Tissue Protector 6181.3127

3.5mm Soft Tissue Protector 6186.3135

2.0mm Calibrated Polyaxial Drill Guide 6189.3120

2.7mm Calibrated Polyaxial Drill Guide 6189.3127

2.0mm Mini Frag Soft Tissue Protector, Polyaxial 6181.3720

2.0x130mm Calibrated Drill Bit 6181.5021

2.0x170mm Calibrated Drill Bit 6181.5022

2.7x130mm Calibrated Drill Bit 6189.5027

2.7x170mm Calibrated Drill Bit 6189.5028

SCREW PREPARATION INSTRUMENTS (CONT'D)

3.5mm Drill Bit, 110mm, AO Quick-Connect 6179.5035

T8 Driver, SR, 100mm, AO Quick-Connect 6179.6008

T15 Driver, SR, 100mm, AO Quick-Connect 6186.6015

2.7 Tap 6189.5127

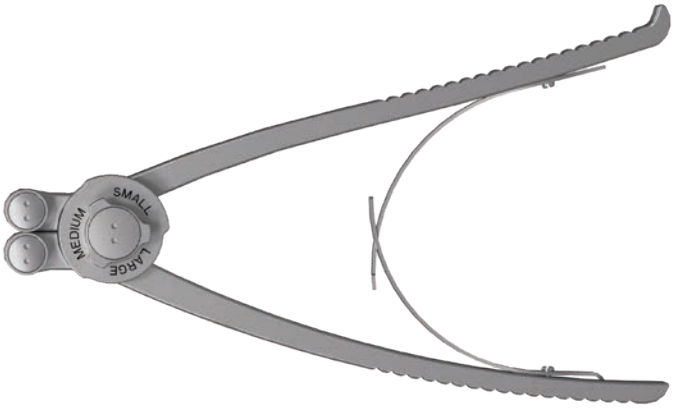
Medium Handle, Ratcheting, Cannulated, AO Quick-Connect 6179.7013

DEPTH GAUGES

2.5/2.7mm Depth Gauge 6189.0025

3.5mm Depth Gauge 6189.0035

BENDING INSTRUMENTS



Keystone Bender 6189.7004

Bending Iron 6179.7002

Bending Iron, Inverted 6179.7003

ADDITIONAL INSTRUMENTS

Countersink, AO Quick-Connect 6179.7000

Torque-Limiting Attachment, 2.5Nm, AO Quick-Connect 6187.3801

Torque-Limiting Attachment, 1.2Nm, AO Quick-Connect 6171.5012

ANTHEM™ Keystone Fracture System
9189.9011 and 9189.9012

Disposables

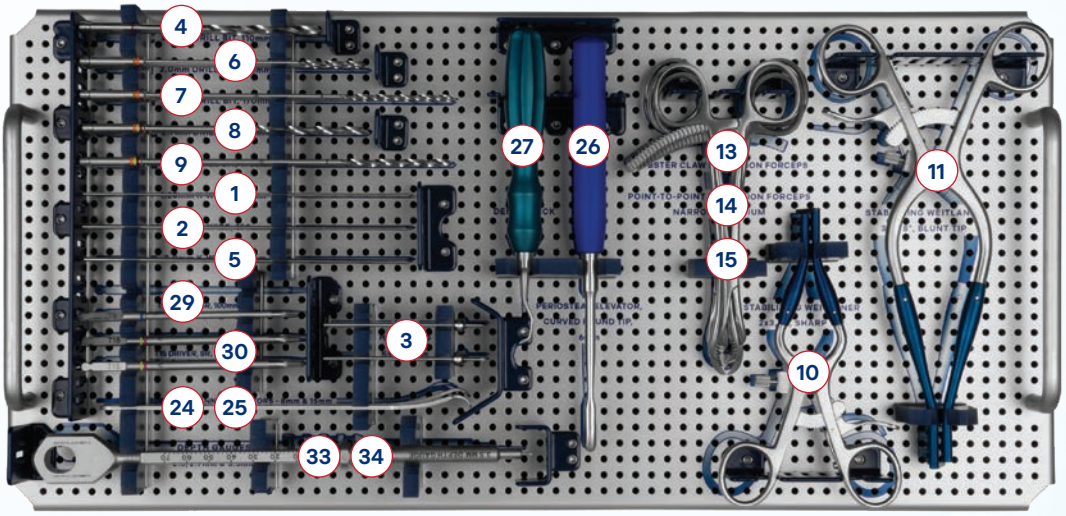
	Part No.	Description	Qty
1	6179.1113	1.25mm K-Wire, Trocar Tip, 150mm	10
2	6179.1116	1.6mm K-Wire, Trocar Tip, 150mm	10
3	6179.1216	1.6mm Plate Holding K-Wire, Threaded Trocar Tip, 75mm	4
4	6179.5035	3.5mm Drill Bit, 110mm AO Quick-Connect	2
5	6179.1120	2.0mm K-Wire, Trocar Tip, 150mm	10
6	6181.5021	2.0mm Drill Bit, 130mm, Calibrated, AO Quick-Connect	3
7	6181.5022	2.0mm Drill Bit, 170mm, Calibrated, AO Quick-Connect	3
8	6189.5027	2.7mm Drill Bit, 130mm, Calibrated, AO Quick-Connect	3
9	6189.5028	2.7mm Drill Bit, 170mm, Calibrated, AO Quick-Connect	3

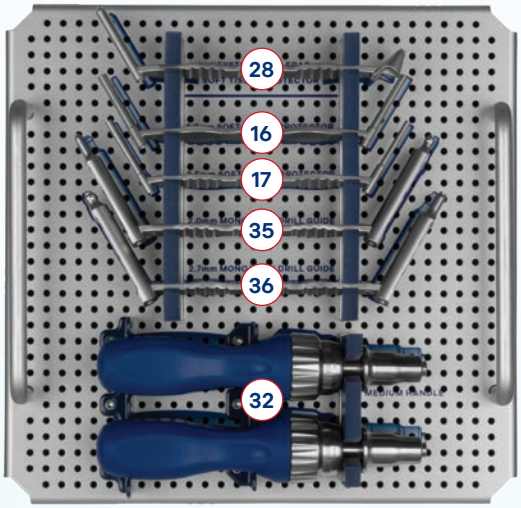
Instruments

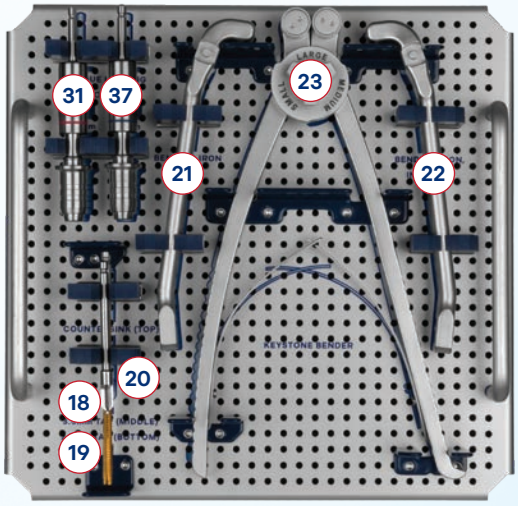
	Part No.	Description	Qty
10	6171.0001	Stabilizing Radiolucent Weitlaner 2x3, 5", Sharp Tip	1
11	6171.0005	Stabilizing Radiolucent Weitlaner, 3x4, 8", Blunt Tip	1
12	6179.2000	Screw Holding Forceps	1
13	6179.2001	Lobster Claw Reduction Forceps, Ratcheting	2
14	6179.2003	Point-to-Point Reduction Forceps, Narrow, Ratcheting	1
15	6179.2004	Point-to-Point Reduction Forceps, Medium, Ratcheting	1
16	6181.3127	2.7mm Soft Tissue Protector	1
17	6186.3135	3.5mm Soft Tissue Protector	1
18	6189.5127	2.7mm Tap	1
19	6179.5135	3.5mm Tap	1
20	6179.7000	Countersink	1
21	6179.7002	Bending Iron	1
22	6179.7003	Bending Iron, Inverted	1
23	6189.7004	Keystone Bender	1
24	6179.7016	Hohmann Retractor, 8mm	1
25	6179.7017	Hohmann Retractor, 15mm	1

	Part No.	Description	Qty
26	6179.7019	Periosteal Elevator, Curved Round Tip, 6mm	1
27	6179.7025	Dental Pick, Large Handle	1
28	6181.3720	2.0 Mini Fragment Soft Tissue Protector, Polyaxial	1
29	6179.6008	T8 Driver, SR, 100mm, AO Quick-Connect	3
30	6186.6015	T15 Driver, SR, 100mm, AO Quick-Connect	3
31	6187.3801	Torque-Limiting Attachment, 2.5Nm, AO Quick-Connect	1
32	6179.7013	Medium Handle, Ratcheting, AO Quick-Connect	2
33	6189.0025	2.5mm/2.7mm Depth Gauge	1
34	6189.0035	3.5mm Depth Gauge	1
35	6189.3120	2.0mm Mono/Poly Drill Guide	1
36	6189.3127	2.7mm Mono/Poly Drill Guide	1
37	6171.5012	Torque-Limiting Attachment, 1.2Nm, AO Quick-Connect	1

ANTHEM™ Keystone Fracture System
9189.9011 and 9189.9012 (Cont'd)







ANTHEM™ Keystone Fracture System

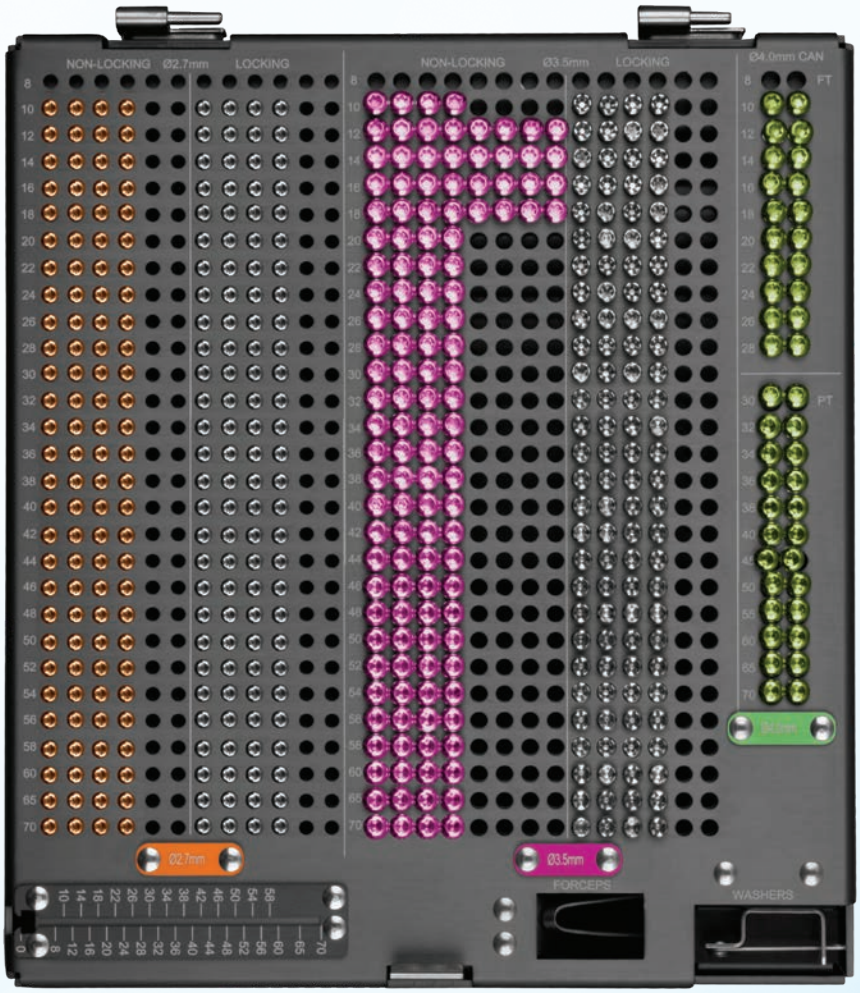
Ti Screw Caddy 9189.9021

Part No.	Description	Qty	Part No.	Description	Qty
7181.9108	Locking Screw, 2.7x8mm, CoCr	0	7179.5028	Locking Screw, 3.5x28mm, CoCr	4
7181.9110	Locking Screw, 2.7x10mm, CoCr	4	7179.5030	Locking Screw, 3.5x30mm, CoCr	4
7181.9112	Locking Screw, 2.7x12mm, CoCr	4	7179.5032	Locking Screw, 3.5x32mm, CoCr	4
7181.9114	Locking Screw, 2.7x14mm, CoCr	4	7179.5034	Locking Screw, 3.5x34mm, CoCr	4
7181.9116	Locking Screw, 2.7x16mm, CoCr	4	7179.5036	Locking Screw, 3.5x36mm, CoCr	4
7181.9118	Locking Screw, 2.7x18mm, CoCr	4	7179.5038	Locking Screw, 3.5x38mm, CoCr	4
7181.9120	Locking Screw, 2.7x20mm, CoCr	4	7179.5040	Locking Screw, 3.5x40mm, CoCr	4
7181.9122	Locking Screw, 2.7x22mm, CoCr	4	7179.5042	Locking Screw, 3.5x42mm, CoCr	4
7181.9124	Locking Screw, 2.7x24mm, CoCr	4	7179.5044	Locking Screw, 3.5x44mm, CoCr	4
7181.9126	Locking Screw, 2.7x26mm, CoCr	4	7179.5046	Locking Screw, 3.5x46mm, CoCr	4
7181.9128	Locking Screw, 2.7x28mm, CoCr	4	7179.5048	Locking Screw, 3.5x48mm, CoCr	4
7181.9130	Locking Screw, 2.7x30mm, CoCr	4	7179.5050	Locking Screw, 3.5x50mm, CoCr	4
7181.9132	Locking Screw, 2.7x32mm, CoCr	4	7179.5052	Locking Screw, 3.5x52mm, CoCr	4
7181.9134	Locking Screw, 2.7x34mm, CoCr	4	7179.5054	Locking Screw, 3.5x54mm, CoCr	4
7181.9136	Locking Screw, 2.7x36mm, CoCr	4	7179.5056	Locking Screw, 3.5x56mm, CoCr	4
7181.9138	Locking Screw, 2.7x38mm, CoCr	4	7179.5058	Locking Screw, 3.5x58mm, CoCr	4
7181.9140	Locking Screw, 2.7x40mm, CoCr	4	7179.5060	Locking Screw, 3.5x60mm, CoCr	4
7181.9142	Locking Screw, 2.7x42mm, CoCr	4	7179.5065	Locking Screw, 3.5x65mm, CoCr	4
7181.9144	Locking Screw, 2.7x44mm, CoCr	4	7179.5070	Locking Screw, 3.5x70mm, CoCr	4
7181.9146	Locking Screw, 2.7x46mm, CoCr	4	1181.9208	Non-Locking Screw, 2.7x8mm, Ti	0
7181.9148	Locking Screw, 2.7x48mm, CoCr	4	1181.9210	Non-Locking Screw, 2.7x10mm, Ti	4
7181.9150	Locking Screw, 2.7x50mm, CoCr	4	1181.9212	Non-Locking Screw, 2.7x12mm, Ti	4
7181.9152	Locking Screw, 2.7x52mm, CoCr	4	1181.9214	Non-Locking Screw, 2.7x14mm, Ti	4
7181.9154	Locking Screw, 2.7x54mm, CoCr	4	1181.9216	Non-Locking Screw, 2.7x16mm, Ti	4
7181.9156	Locking Screw, 2.7x56mm, CoCr	4	1181.9218	Non-Locking Screw, 2.7x18mm, Ti	4
7181.9158	Locking Screw, 2.7x58mm, CoCr	4	1181.9220	Non-Locking Screw, 2.7x20mm, Ti	4
7181.9160	Locking Screw, 2.7x60mm, CoCr	4	1181.9222	Non-Locking Screw, 2.7x22mm, Ti	4
7181.9165	Locking Screw, 2.7x65mm, CoCr	4	1181.9224	Non-Locking Screw, 2.7x24mm, Ti	4
7181.9170	Locking Screw, 2.7x70mm, CoCr	4	1181.9226	Non-Locking Screw, 2.7x26mm, Ti	4
7179.5008	Locking Screw, 3.5x8mm, CoCr	0	1181.9228	Non-Locking Screw, 2.7x28mm, Ti	4
7179.5010	Locking Screw, 3.5x10mm, CoCr	4	1181.9230	Non-Locking Screw, 2.7x30mm, Ti	4
7179.5012	Locking Screw, 3.5x12mm, CoCr	4	1181.9232	Non-Locking Screw, 2.7x32mm, Ti	4
7179.5014	Locking Screw, 3.5x14mm, CoCr	4	1181.9234	Non-Locking Screw, 2.7x34mm, Ti	4
7179.5016	Locking Screw, 3.5x16mm, CoCr	4	1181.9236	Non-Locking Screw, 2.7x36mm, Ti	4
7179.5018	Locking Screw, 3.5x18mm, CoCr	4	1181.9238	Non-Locking Screw, 2.7x38mm, Ti	4
7179.5020	Locking Screw, 3.5x20mm, CoCr	4	1181.9240	Non-Locking Screw, 2.7x40mm, Ti	4
7179.5022	Locking Screw, 3.5x22mm, CoCr	4	1181.9242	Non-Locking Screw, 2.7x42mm, Ti	4
7179.5024	Locking Screw, 3.5x24mm, CoCr	4	1181.9244	Non-Locking Screw, 2.7x44mm, Ti	4
7179.5026	Locking Screw, 3.5x26mm, CoCr	4	1181.9246	Non-Locking Screw, 2.7x46mm, Ti	4

Items in gray are additionally available.

ANTHEM™ Keystone Fracture System

Ti Screw Caddy 9189.9021 (Cont'd)



ANTHEM™ Keystone Fracture System

Ti Screw Caddy 9189.9021 (Cont'd)

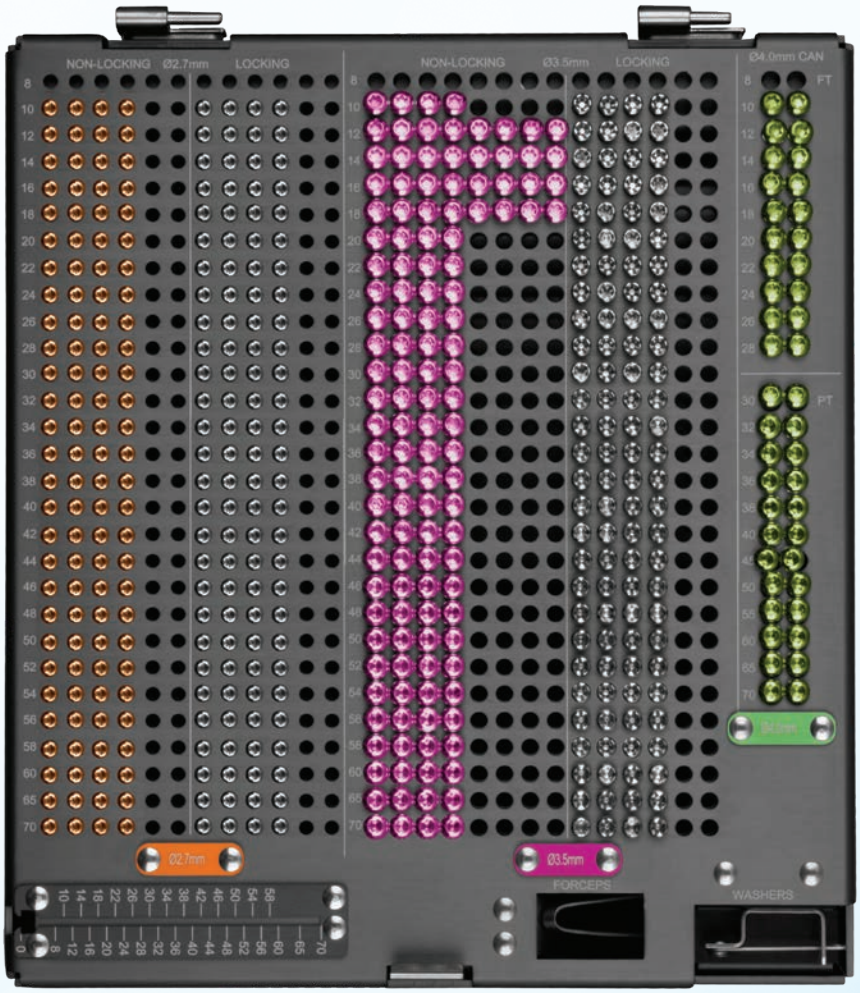
Part No.	Description	Qty
1181.9248	Non-Locking Screw, 2.7x48mm, Ti	4
1181.9250	Non-Locking Screw, 2.7x50mm, Ti	4
1181.9252	Non-Locking Screw, 2.7x52mm, Ti	4
1181.9254	Non-Locking Screw, 2.7x54mm, Ti	4
1181.9256	Non-Locking Screw, 2.7x56mm, Ti	4
1181.9258	Non-Locking Screw, 2.7x58mm, Ti	4
1181.9260	Non-Locking Screw, 2.7x60mm, Ti	4
1181.9265	Non-Locking Screw, 2.7x65mm, Ti	4
1181.9270	Non-Locking Screw, 2.7x70mm, Ti	4
1179.3008	Non-Locking Screw, 3.5x8mm, Ti	0
1179.3010	Non-Locking Screw, 3.5x10mm, Ti	4
1179.3012	Non-Locking Screw, 3.5x12mm, Ti	8
1179.3014	Non-Locking Screw, 3.5x14mm, Ti	8
1179.3016	Non-Locking Screw, 3.5x16mm, Ti	8
1179.3018	Non-Locking Screw, 3.5x18mm, Ti	8
1179.3020	Non-Locking Screw, 3.5x20mm, Ti	4
1179.3022	Non-Locking Screw, 3.5x22mm, Ti	4
1179.3024	Non-Locking Screw, 3.5x24mm, Ti	4
1179.3026	Non-Locking Screw, 3.5x26mm, Ti	4
1179.3028	Non-Locking Screw, 3.5x28mm, Ti	4
1179.3030	Non-Locking Screw, 3.5x30mm, Ti	4
1179.3032	Non-Locking Screw, 3.5x32mm, Ti	4
1179.3034	Non-Locking Screw, 3.5x34mm, Ti	4
1179.3036	Non-Locking Screw, 3.5x36mm, Ti	4
1179.3038	Non-Locking Screw, 3.5x38mm, Ti	4
1179.3040	Non-Locking Screw, 3.5x40mm, Ti	4
1179.3042	Non-Locking Screw, 3.5x42mm, Ti	4
1179.3044	Non-Locking Screw, 3.5x44mm, Ti	4
1179.3046	Non-Locking Screw, 3.5x46mm, Ti	4
1179.3048	Non-Locking Screw, 3.5x48mm, Ti	4
1179.3050	Non-Locking Screw, 3.5x50mm, Ti	4
1179.3052	Non-Locking Screw, 3.5x52mm, Ti	4
1179.3054	Non-Locking Screw, 3.5x54mm, Ti	4
1179.3056	Non-Locking Screw, 3.5x56mm, Ti	4
1179.3058	Non-Locking Screw, 3.5x58mm, Ti	4
1179.3060	Non-Locking Screw, 3.5x60mm, Ti	4
1179.3065	Non-Locking Screw, 3.5x65mm, Ti	4
1179.3070	Non-Locking Screw, 3.5x70mm, Ti	4

Part No.	Description	Qty
1179.4008	Cancellous Screw, 4.0x8mm, Fully Threaded, Ti	0
1179.4010	Cancellous Screw, 4.0x10mm, Fully Threaded, Ti	2
1179.4012	Cancellous Screw, 4.0x12mm, Fully Threaded, Ti	2
1179.4014	Cancellous Screw, 4.0x14mm, Fully Threaded, Ti	2
1179.4016	Cancellous Screw, 4.0x16mm, Fully Threaded, Ti	2
1179.4018	Cancellous Screw, 4.0x18mm, Fully Threaded, Ti	2
1179.4020	Cancellous Screw, 4.0x20mm, Fully Threaded, Ti	2
1179.4022	Cancellous Screw, 4.0x22mm, Fully Threaded, Ti	2
1179.4024	Cancellous Screw, 4.0x24mm, Fully Threaded, Ti	2
1179.4026	Cancellous Screw, 4.0x26mm, Fully Threaded, Ti	2
1179.4028	Cancellous Screw, 4.0x28mm, Fully Threaded, Ti	2
1179.8030	Cancellous Screw, 4.0x30mm, Partially Threaded, Ti	2
1179.8032	Cancellous Screw, 4.0x32mm, Partially Threaded, Ti	2
1179.8034	Cancellous Screw, 4.0x34mm, Partially Threaded, Ti	2
1179.8036	Cancellous Screw, 4.0x36mm, Partially Threaded, Ti	2
1179.8038	Cancellous Screw, 4.0x38mm, Partially Threaded, Ti	2
1179.8040	Cancellous Screw, 4.0x40mm, Partially Threaded, Ti	2
1179.8045	Cancellous Screw, 4.0x45mm, Partially Threaded, Ti	2
1179.8050	Cancellous Screw, 4.0x50mm, Partially Threaded, Ti	2
1179.8055	Cancellous Screw, 4.0x55mm, Partially Threaded, Ti	2
1179.8060	Cancellous Screw, 4.0x60mm, Partially Threaded, Ti	2
1179.8065	Cancellous Screw, 4.0x65mm, Partially Threaded, Ti	2
1179.8070	Cancellous Screw, 4.0x70mm, Partially Threaded, Ti	2

Items in gray are additionally available.

ANTHEM™ Keystone Fracture System

Ti Screw Caddy 9189.9021 (Cont'd)



ANTHEM™ Keystone Fracture System

SS Screw Caddy 9189.9022

Part No.	Description	Qty	Part No.	Description	Qty
7181.9108	Locking Screw, 2.7x8mm, CoCr	0	7179.5028	Locking Screw, 3.5x28mm, CoCr	4
7181.9110	Locking Screw, 2.7x10mm, CoCr	4	7179.5030	Locking Screw, 3.5x30mm, CoCr	4
7181.9112	Locking Screw, 2.7x12mm, CoCr	4	7179.5032	Locking Screw, 3.5x32mm, CoCr	4
7181.9114	Locking Screw, 2.7x14mm, CoCr	4	7179.5034	Locking Screw, 3.5x34mm, CoCr	4
7181.9116	Locking Screw, 2.7x16mm, CoCr	4	7179.5036	Locking Screw, 3.5x36mm, CoCr	4
7181.9118	Locking Screw, 2.7x18mm, CoCr	4	7179.5038	Locking Screw, 3.5x38mm, CoCr	4
7181.9120	Locking Screw, 2.7x20mm, CoCr	4	7179.5040	Locking Screw, 3.5x40mm, CoCr	4
7181.9122	Locking Screw, 2.7x22mm, CoCr	4	7179.5042	Locking Screw, 3.5x42mm, CoCr	4
7181.9124	Locking Screw, 2.7x24mm, CoCr	4	7179.5044	Locking Screw, 3.5x44mm, CoCr	4
7181.9126	Locking Screw, 2.7x26mm, CoCr	4	7179.5046	Locking Screw, 3.5x46mm, CoCr	4
7181.9128	Locking Screw, 2.7x28mm, CoCr	4	7179.5048	Locking Screw, 3.5x48mm, CoCr	4
7181.9130	Locking Screw, 2.7x30mm, CoCr	4	7179.5050	Locking Screw, 3.5x50mm, CoCr	4
7181.9132	Locking Screw, 2.7x32mm, CoCr	4	7179.5052	Locking Screw, 3.5x52mm, CoCr	4
7181.9134	Locking Screw, 2.7x34mm, CoCr	4	7179.5054	Locking Screw, 3.5x54mm, CoCr	4
7181.9136	Locking Screw, 2.7x36mm, CoCr	4	7179.5056	Locking Screw, 3.5x56mm, CoCr	4
7181.9138	Locking Screw, 2.7x38mm, CoCr	4	7179.5058	Locking Screw, 3.5x58mm, CoCr	4
7181.9140	Locking Screw, 2.7x40mm, CoCr	4	7179.5060	Locking Screw, 3.5x60mm, CoCr	4
7181.9142	Locking Screw, 2.7x42mm, CoCr	4	7179.5065	Locking Screw, 3.5x65mm CoCr	4
7181.9144	Locking Screw, 2.7x44mm, CoCr	4	7179.5070	Locking Screw, 3.5x70mm, CoCr	4
7181.9146	Locking Screw, 2.7x46mm, CoCr	4	2181.9208	Non-Locking Screw, 2.7x8mm, SS	0
7181.9148	Locking Screw, 2.7x48mm, CoCr	4	2181.9210	Non-Locking Screw, 2.7x10mm, SS	4
7181.9150	Locking Screw, 2.7x50mm, CoCr	4	2181.9212	Non-Locking Screw, 2.7x12mm, SS	4
7181.9152	Locking Screw, 2.7x52mm, CoCr	4	2181.9214	Non-Locking Screw, 2.7x14mm, SS	4
7181.9154	Locking Screw, 2.7x54mm, CoCr	4	2181.9216	Non-Locking Screw, 2.7x16mm, SS	4
7181.9156	Locking Screw, 2.7x56mm, CoCr	4	2181.9218	Non-Locking Screw, 2.7x18mm, SS	4
7181.9158	Locking Screw, 2.7x58mm, CoCr	4	2181.9220	Non-Locking Screw, 2.7x20mm, SS	4
7181.9160	Locking Screw, 2.7x60mm, CoCr	4	2181.9222	Non-Locking Screw, 2.7x22mm, SS	4
7181.9165	Locking Screw, 2.7x65mm, CoCr	4	2181.9224	Non-Locking Screw, 2.7x24mm, SS	4
7181.9170	Locking Screw, 2.7x70mm, CoCr	4	2181.9226	Non-Locking Screw, 2.7x26mm, SS	4
7179.5008	Locking Screw, 3.5x8mm, CoCr	0	2181.9228	Non-Locking Screw, 2.7x28mm, SS	4
7179.5010	Locking Screw, 3.5x10mm, CoCr	4	2181.9230	Non-Locking Screw, 2.7x30mm, SS	4
7179.5012	Locking Screw, 3.5x12mm, CoCr	4	2181.9232	Non-Locking Screw, 2.7x32mm, SS	4
7179.5014	Locking Screw, 3.5x14mm, CoCr	4	2181.9234	Non-Locking Screw, 2.7x34mm, SS	4
7179.5016	Locking Screw, 3.5x16mm, CoCr	4	2181.9236	Non-Locking Screw, 2.7x36mm, SS	4
7179.5018	Locking Screw, 3.5x18mm, CoCr	4	2181.9238	Non-Locking Screw, 2.7x38mm, SS	4
7179.5020	Locking Screw, 3.5x20mm, CoCr	4	2181.9240	Non-Locking Screw, 2.7x40mm, SS	4
7179.5022	Locking Screw, 3.5x22mm, CoCr	4	2181.9242	Non-Locking Screw, 2.7x42mm, SS	4
7179.5024	Locking Screw, 3.5x24mm, CoCr	4	2181.9244	Non-Locking Screw, 2.7x44mm, SS	4
7179.5026	Locking Screw, 3.5x26mm, CoCr	4	2181.9246	Non-Locking Screw, 2.7x46mm, SS	4

Items in gray are additionally available.

ANTHEM™ Keystone Fracture System

SS Screw Caddy 9189.9022 (Cont'd)

ANTHEM™ Keystone Fracture System

SS Screw Caddy 9189.9022 (Cont'd)

Part No.	Description	Qty
2181.9248	Non-Locking Screw, 2.7x48mm, SS	4
2181.9250	Non-Locking Screw, 2.7x50mm, SS	4
2181.9252	Non-Locking Screw, 2.7x52mm, SS	4
2181.9254	Non-Locking Screw, 2.7x54mm, SS	4
2181.9256	Non-Locking Screw, 2.7x56mm, SS	4
2181.9258	Non-Locking Screw, 2.7x58mm, SS	4
2181.9260	Non-Locking Screw, 2.7x60mm, SS	4
2181.9265	Non-Locking Screw, 2.7x65mm, SS	4
2181.9270	Non-Locking Screw, 2.7x70mm, SS	4
2179.3008	Non-Locking Screw, 3.5x8mm, SS	0
2179.3010	Non-Locking Screw, 3.5x10mm, SS	4
2179.3012	Non-Locking Screw, 3.5x12mm, SS	8
2179.3014	Non-Locking Screw, 3.5x14mm, SS	8
2179.3016	Non-Locking Screw, 3.5x16mm, SS	8
2179.3018	Non-Locking Screw, 3.5x18mm, SS	8
2179.3020	Non-Locking Screw, 3.5x20mm, SS	4
2179.3022	Non-Locking Screw, 3.5x22mm, SS	4
2179.3024	Non-Locking Screw, 3.5x24mm, SS	4
2179.3026	Non-Locking Screw, 3.5x26mm, SS	4
2179.3028	Non-Locking Screw, 3.5x28mm, SS	4
2179.3030	Non-Locking Screw, 3.5x30mm, SS	4
2179.3032	Non-Locking Screw, 3.5x32mm, SS	4
2179.3034	Non-Locking Screw, 3.5x34mm, SS	4
2179.3036	Non-Locking Screw, 3.5x36mm, SS	4
2179.3038	Non-Locking Screw, 3.5x38mm, SS	4
2179.3040	Non-Locking Screw, 3.5x40mm, SS	4
2179.3042	Non-Locking Screw, 3.5x42mm, SS	4
2179.3044	Non-Locking Screw, 3.5x44mm, SS	4
2179.3046	Non-Locking Screw, 3.5x46mm, SS	4
2179.3048	Non-Locking Screw, 3.5x48mm, SS	4
2179.3050	Non-Locking Screw, 3.5x50mm, SS	4
2179.3052	Non-Locking Screw, 3.5x52mm, SS	4
2179.3054	Non-Locking Screw, 3.5x54mm, SS	4
2179.3056	Non-Locking Screw, 3.5x56mm, SS	4
2179.3058	Non-Locking Screw, 3.5x58mm, SS	4
2179.3060	Non-Locking Screw, 3.5x60mm, SS	4
2179.3065	Non-Locking Screw, 3.5x65mm, SS	4
2179.3070	Non-Locking Screw, 3.5x70mm, SS	4

Part No.	Description	Qty
2179.4008	Cancellous Screw, 4.0x8mm, Fully Threaded, SS	0
2179.4010	Cancellous Screw, 4.0x10mm, Fully Threaded, SS	2
2179.4012	Cancellous Screw, 4.0x12mm, Fully Threaded, SS	2
2179.4014	Cancellous Screw, 4.0x14mm, Fully Threaded, SS	2
2179.4016	Cancellous Screw, 4.0x16mm, Fully Threaded, SS	2
2179.4018	Cancellous Screw, 4.0x18mm, Fully Threaded, SS	2
2179.4020	Cancellous Screw, 4.0x20mm, Fully Threaded, SS	2
2179.4022	Cancellous Screw, 4.0x22mm, Fully Threaded, SS	2
2179.4024	Cancellous Screw, 4.0x24mm, Fully Threaded, SS	2
2179.4026	Cancellous Screw, 4.0x26mm, Fully Threaded, SS	2
2179.4028	Cancellous Screw, 4.0x28mm, Fully Threaded, SS	2
2179.8030	Cancellous Screw, 4.0x30mm, Partially Threaded, SS	2
2179.8032	Cancellous Screw, 4.0x32mm, Partially Threaded, SS	2
2179.8034	Cancellous Screw, 4.0x34mm, Partially Threaded, SS	2
2179.8036	Cancellous Screw, 4.0x36mm, Partially Threaded, SS	2
2179.8038	Cancellous Screw, 4.0x38mm, Partially Threaded, SS	2
2179.8040	Cancellous Screw, 4.0x40mm, Partially Threaded, SS	2
2179.8045	Cancellous Screw, 4.0x45mm, Partially Threaded, SS	2
2179.8050	Cancellous Screw, 4.0x50mm, Partially Threaded, SS	2
2179.8055	Cancellous Screw, 4.0x55mm, Partially Threaded, SS	2
2179.8060	Cancellous Screw, 4.0x60mm, Partially Threaded, SS	2
2179.8065	Cancellous Screw, 4.0x65mm, Partially Threaded, SS	2
2179.8070	Cancellous Screw, 4.0x70mm, Partially Threaded, SS	2

Items in gray are additionally available.

ANTHEM™ Keystone Fracture System

SS Screw Caddy 9189.9022 (Cont'd)

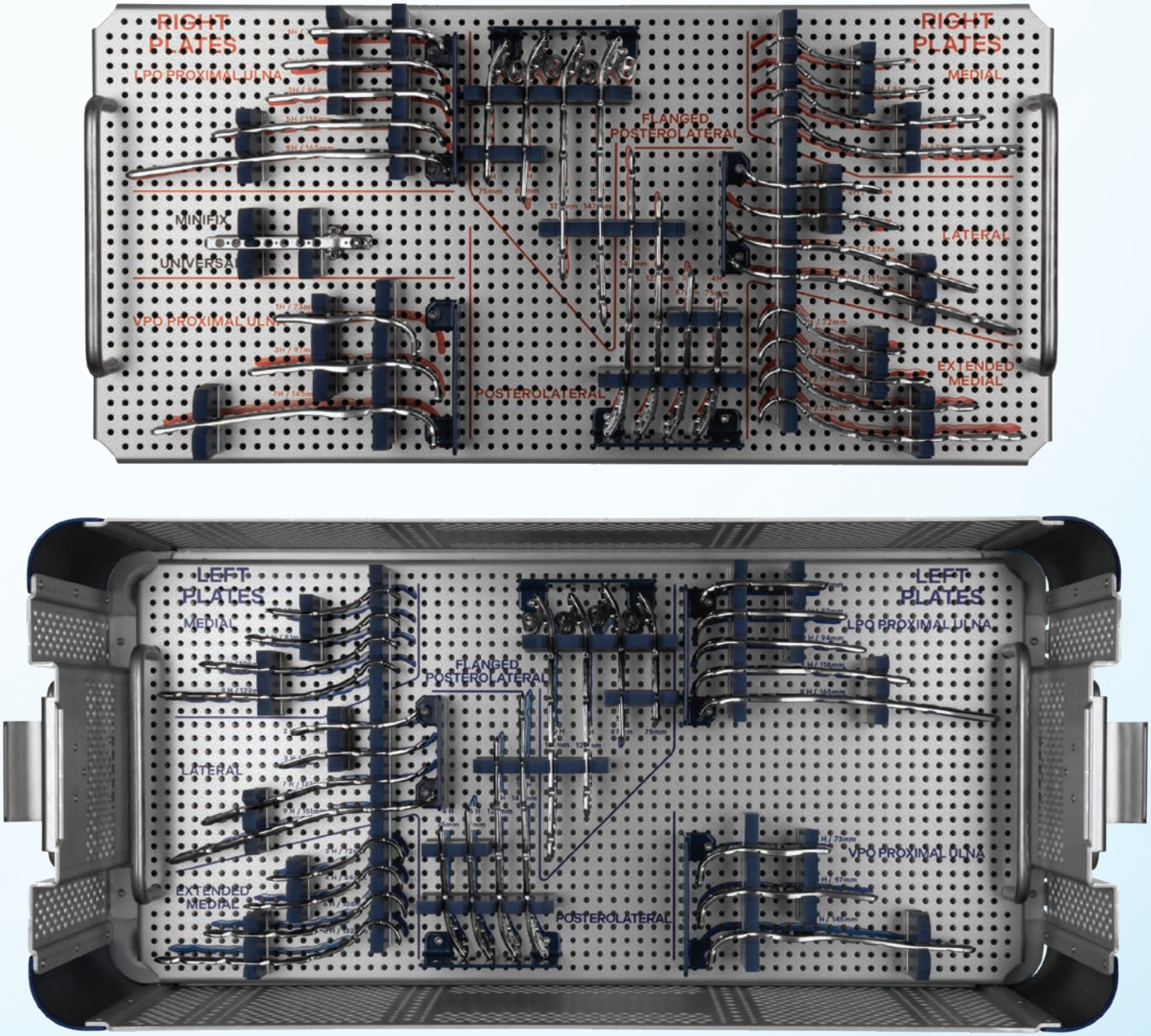
ANTHEM™ Ti Elbow Fracture System
9189.9031

Part No.	Description	Qty
1189.1604	ANTHEM™ Posterolateral Distal Humerus Plate, Left, 4 Hole, 75mm, Ti	1
1189.1605	ANTHEM™ Posterolateral Distal Humerus Plate, Left, 5 Hole, 87mm, Ti	1
1189.1608	ANTHEM™ Posterolateral Distal Humerus Plate, Left, 8 Hole, 123mm, Ti	1
1189.1610	ANTHEM™ Posterolateral Distal Humerus Plate, Left, 10 Hole, 147mm, Ti	1
1189.1613S	ANTHEM™ Posterolateral Distal Humerus Plate, Left, 13 Hole, 183mm, Ti	0
1189.1615S	ANTHEM™ Posterolateral Distal Humerus Plate, Left, 15 Hole, 206mm, Ti	0
1189.2604	ANTHEM™ Posterolateral Distal Humerus Plate, Right, 4 Hole, 75mm, Ti	1
1189.2605	ANTHEM™ Posterolateral Distal Humerus Plate, Right, 5 Hole, 87mm, Ti	1
1189.2608	ANTHEM™ Posterolateral Distal Humerus Plate, Right, 8 Hole, 123mm, Ti	1
1189.2610	ANTHEM™ Posterolateral Distal Humerus Plate, Right, 10 Hole, 147mm, Ti	1
1189.2613S	ANTHEM™ Posterolateral Distal Humerus Plate, Right, 13 Hole, 183mm, Ti	0
1189.2615S	ANTHEM™ Posterolateral Distal Humerus Plate, Right, 15 Hole, 206mm, Ti	0
1189.1704	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Left, 4 Hole, 75mm, Ti	1
1189.1705	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Left, 5 Hole, 87mm, Ti	1
1189.1708	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Left, 8 Hole, 123mm, Ti	1
1189.1710	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Left, 10 Hole, 147mm, Ti	1
1189.1713S	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Left, 13 Hole, 183mm, Ti	0
1189.1715S	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Left, 15 Hole, 206mm, Ti	0
1189.2704	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Right, 4 Hole, 75mm, Ti	1
1189.2705	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Right, 5 Hole, 87mm, Ti	1
1189.2708	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Right, 8 Hole, 123mm, Ti	1
1189.2710	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Right, 10 Hole, 147mm, Ti	1
1189.2713S	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Right, 13 Hole, 183mm, Ti	0
1189.2715S	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Right, 15 Hole, 206mm, Ti	0
1189.1502	ANTHEM™ Lateral Distal Humerus Plate, Left, 2 Hole, 67mm, Ti	1
1189.1503	ANTHEM™ Lateral Distal Humerus Plate, Left, 3 Hole, 79mm, Ti	1
1189.1507	ANTHEM™ Lateral Distal Humerus Plate, Left, 7 Hole, 127mm, Ti	1
1189.1509	ANTHEM™ Lateral Distal Humerus Plate, Left, 9 Hole, 151mm, Ti	1
1189.1511S	ANTHEM™ Lateral Distal Humerus Plate, Left, 11 Hole, 175mm, Ti	0
1189.1514S	ANTHEM™ Lateral Distal Humerus Plate, Left, 14 Hole, 211mm, Ti	0
1189.2502	ANTHEM™ Lateral Distal Humerus Plate, Right, 2 Hole, 67mm, Ti	1
1189.2503	ANTHEM™ Lateral Distal Humerus Plate, Right, 3 Hole, 79mm, Ti	1
1189.2507	ANTHEM™ Lateral Distal Humerus Plate, Right, 7 Hole, 127mm, Ti	1
1189.2509	ANTHEM™ Lateral Distal Humerus Plate, Right, 9 Hole, 151mm, Ti	1
1189.2511S	ANTHEM™ Lateral Distal Humerus Plate, Right, 11 Hole, 175mm, Ti	0
1189.2514S	ANTHEM™ Lateral Distal Humerus Plate, Right, 14 Hole, 211mm, Ti	0
1189.1403	ANTHEM™ Extended Medial, Left, 3 Hole, 72mm, Ti	1
1189.1404	ANTHEM™ Extended Medial, Left, 4 Hole, 84mm, Ti	1
1189.1406	ANTHEM™ Extended Medial, Left, 6 Hole, 108mm, Ti	1
1189.1408	ANTHEM™ Extended Medial, Left, 8, Hole, 132mm, Ti	1
1189.1410S	ANTHEM™ Extended Medial, Left, 10 Hole, 156mm, Ti	0
1189.1413S	ANTHEM™ Extended Medial, Left, 13 Hole, 192mm, Ti	0

All LPO, VPO, and Minifix Plates can also be ordered sterile by adding an (S) to the end of the part number.

Items in gray are additionally available.

ANTHEM™ Ti Elbow Fracture System
9189.9031 (Cont'd)



(Pictured: 9189.9032)

ANTHEM™ Ti Elbow Fracture System
9189.9031 (Cont'd)

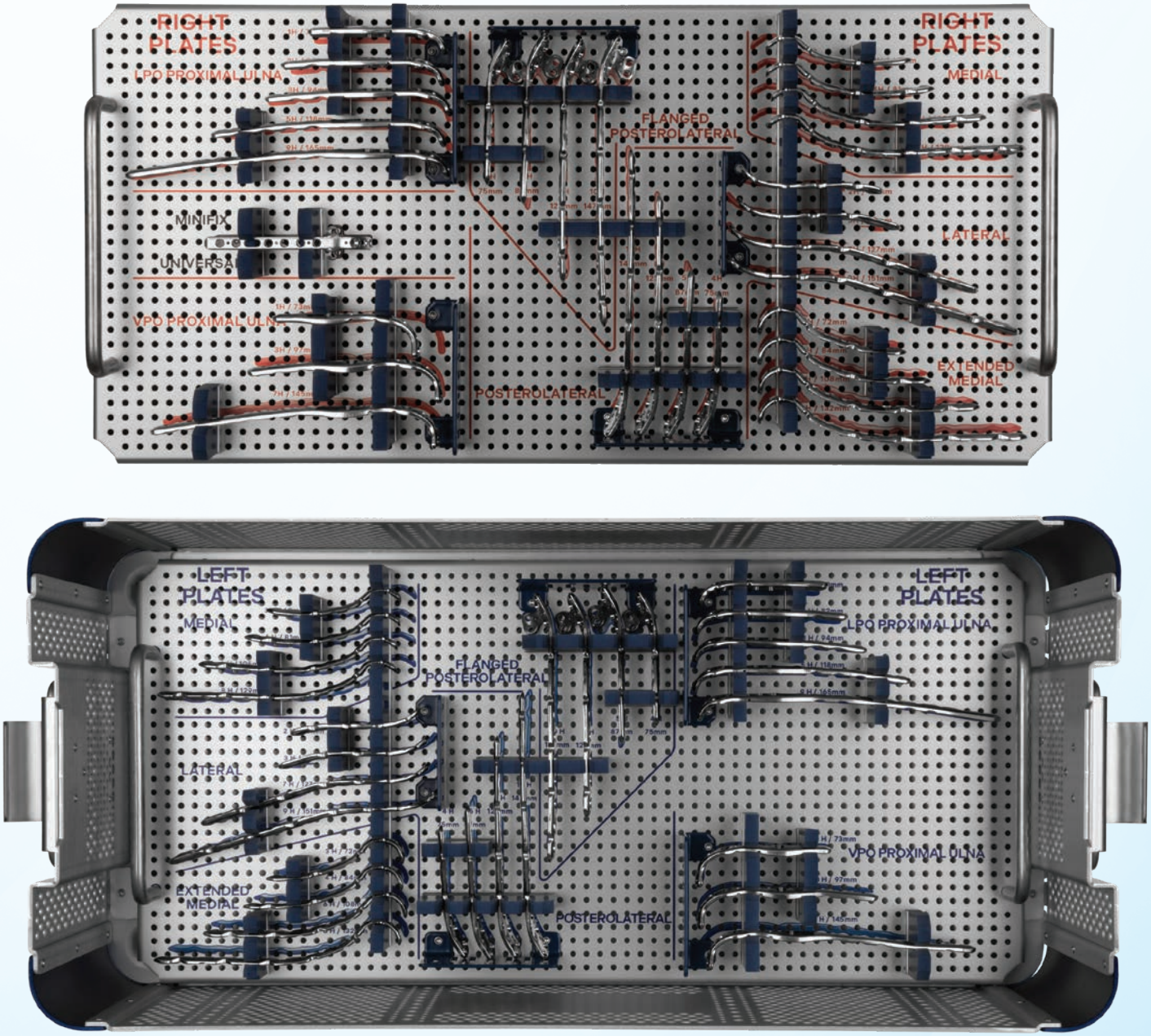
Part No.	Description	Qty
1189.2403	ANTHEM™ Extended Medial, Right, 3 Hole, 72mm, Ti	1
1189.2404	ANTHEM™ Extended Medial, Right, 4 Hole, 84mm, Ti	1
1189.2406	ANTHEM™ Extended Medial, Right, 6 Hole, 108mm, Ti	1
1189.2408	ANTHEM™ Extended Medial, Right, 8, Hole, 132mm, Ti	1
1189.2410S	ANTHEM™ Extended Medial, Right, 10 Hole, 156mm, Ti	0
1189.2413S	ANTHEM™ Extended Medial, Right, 13 Hole, 192mm, Ti	0
1189.1303	ANTHEM™ Medial Distal Humerus Plate, Left, 3 Hole, 69mm, Ti	1
1189.1304	ANTHEM™ Medial Distal Humerus Plate, Left, 4 Hole, 81mm, Ti	1
1189.1306	ANTHEM™ Medial Distal Humerus Plate, Left, 6 Hole, 105mm, Ti	1
1189.1308	ANTHEM™ Medial Distal Humerus Plate, Left, 8, Hole, 129mm, Ti	1
1189.1310S	ANTHEM™ Medial Distal Humerus Plate, Left, 10 Hole, 153mm, Ti	0
1189.1313S	ANTHEM™ Medial Distal Humerus Plate, Left, 13 Hole, 189mm, Ti	0
1189.2303	ANTHEM™ Medial Distal Humerus Plate, Right, 3 Hole, 69mm, Ti	1
1189.2304	ANTHEM™ Medial Distal Humerus Plate, Right, 4 Hole, 81mm, Ti	1
1189.2306	ANTHEM™ Medial Distal Humerus Plate, Right, 6 Hole, 105mm, Ti	1
1189.2308	ANTHEM™ Medial Distal Humerus Plate, Right, 8, Hole, 129mm, Ti	1
1189.2310S	ANTHEM™ Medial Distal Humerus Plate, Right, 10 Hole, 153mm, Ti	0
1189.2313S	ANTHEM™ Medial Distal Humerus Plate, Right, 13 Hole, 189mm, Ti	0
1189.2001	ANTHEM™ Proximal Ulna, Very Proximal Option, 1 Hole, Right, 73mm, Ti	1
1189.2003	ANTHEM™ Proximal Ulna, Very Proximal Option, 3 Hole, Right, 97mm, Ti	1
1189.2007	ANTHEM™ Proximal Ulna, Very Proximal Option, 7 Hole, Right, 145mm, Ti	1

Part No.	Description	Qty
1189.1001	ANTHEM™ Proximal Ulna, Very Proximal Option, 1 Hole, Left, 73mm, Ti	1
1189.1003	ANTHEM™ Proximal Ulna, Very Proximal Option, 3 Hole, Left, 97mm, Ti	1
1189.1007	ANTHEM™ Proximal Ulna, Very Proximal Option, 7 Hole, Left, 145mm, Ti	1
1189.1101	ANTHEM™ Proximal Ulna, Less Proximal Option, 1 Hole, Left, 70mm, Ti	1
1189.1102	ANTHEM™ Proximal Ulna, Less Proximal Option, 2 Hole, Left, 82mm, Ti	1
1189.1103	ANTHEM™ Proximal Ulna, Less Proximal Option, 3 Hole, Left, 94mm, Ti	1
1189.1105	ANTHEM™ Proximal Ulna, Less Proximal Option, 5 Hole, Left, 118mm, Ti	1
1189.1109	ANTHEM™ Proximal Ulna, Less Proximal Option, 9 Hole, Left, 165mm, Ti	1
1189.1112S	ANTHEM™ Proximal Ulna, Less Proximal Option, 12 Hole, Left, 200mm, Ti	0
1189.2101	ANTHEM™ Proximal Ulna, Less Proximal Option, 1 Hole, Right, 70mm, Ti	1
1189.2102	ANTHEM™ Proximal Ulna, Less Proximal Option, 2 Hole, Right, 82mm, Ti	1
1189.2103	ANTHEM™ Proximal Ulna, Less Proximal Option, 3 Hole, Right, 94mm, Ti	1
1189.2105	ANTHEM™ Proximal Ulna, Less Proximal Option, 5 Hole, Right, 118mm, Ti	1
1189.2109	ANTHEM™ Proximal Ulna, Less Proximal Option, 9 Hole, Right, 165mm, Ti	1
1189.2112S	ANTHEM™ Proximal Ulna, Less Proximal Option, 12 Hole, Right, 200mm, Ti	0
1189.0307	ANTHEM™ Minifix Plate, Ti	1
1189.0932S	ANTHEM™ 2.0mm Radial Head Plate, Ti	0
1189.0933S	ANTHEM™ 2.0mm Radial Neck Plate, Ti	0
1189.1900S	ANTHEM™ 2.0mm Coronoid Plate, Left, Ti	0
1189.1904S	ANTHEM™ Medial Shear Plate, Left, Ti	0
1189.1905S	ANTHEM™ Lateral Shear Plate, Left, Ti	0
1189.2900S	ANTHEM™ 2.0mm Coronoid Plate, Right, Ti	0
1189.2904S	ANTHEM™ Medial Shear Plate, Right, Ti	0
1189.2905S	ANTHEM™ Lateral Shear Plate, Right, Ti	0

All LPO, VPO, and Minifix Plates can also be ordered sterile by adding an (S) to the end of the part number.

Items in gray are additionally available.

ANTHEM™ Ti Elbow Fracture System
9189.9031 (Cont'd)



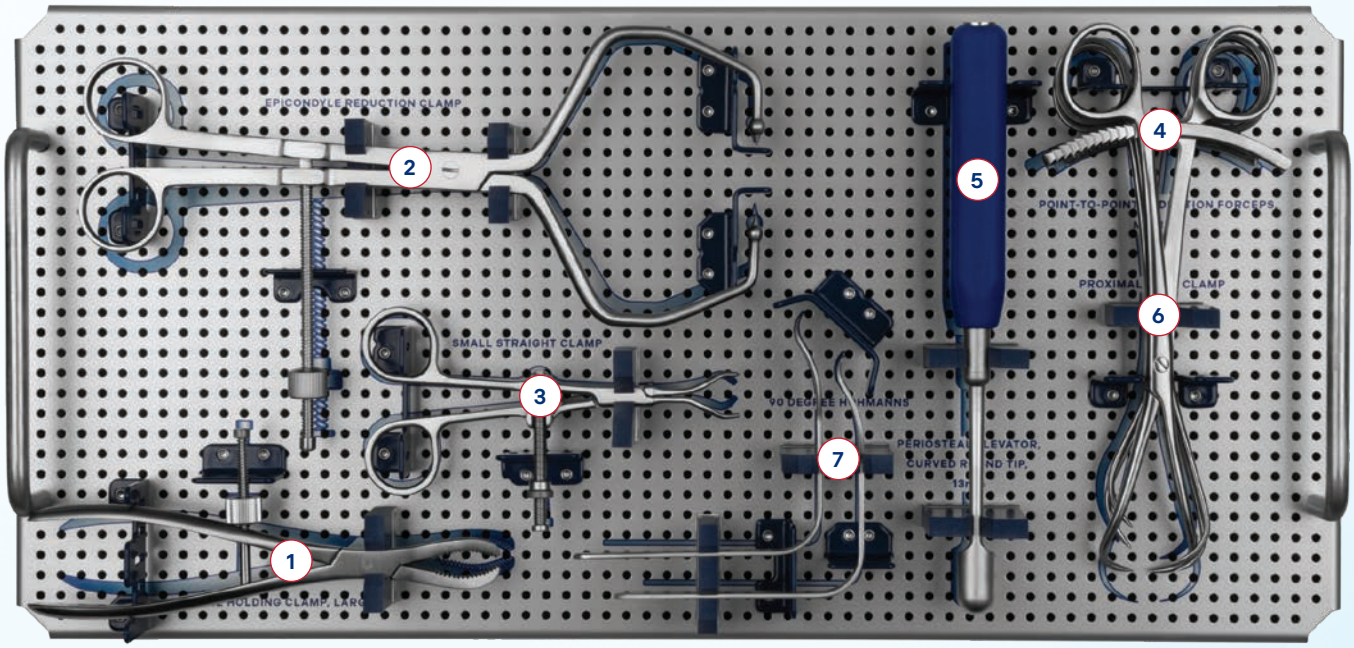
(Pictured: 9189.9032)

ANTHEM™ Ti Elbow Fracture System
9189.9031 (Cont'd)

	Part No.	Description	Qty
1	6168.2001	Bone Holding Clamp, Large	1
2	6189.0002	Epicondyle Reduction Clamp	1
3	6189.0003	Small Straight Clamp, Spin-Down	1
4	6168.2003	Point-to-Point Reduction Forceps, Large, Ratcheting	1
5	6186.9005	Periosteal Elevator, Curved Round Tip, 13mm	1
6	6189.2023	Proximal Ulna Clamp	2
7	6189.7017	90° Hohmanns	2

ANTHEM™ Ti Elbow Fracture System

9189.9031 (Cont'd)



ANTHEM™ SS Elbow Fracture System
9189.9032

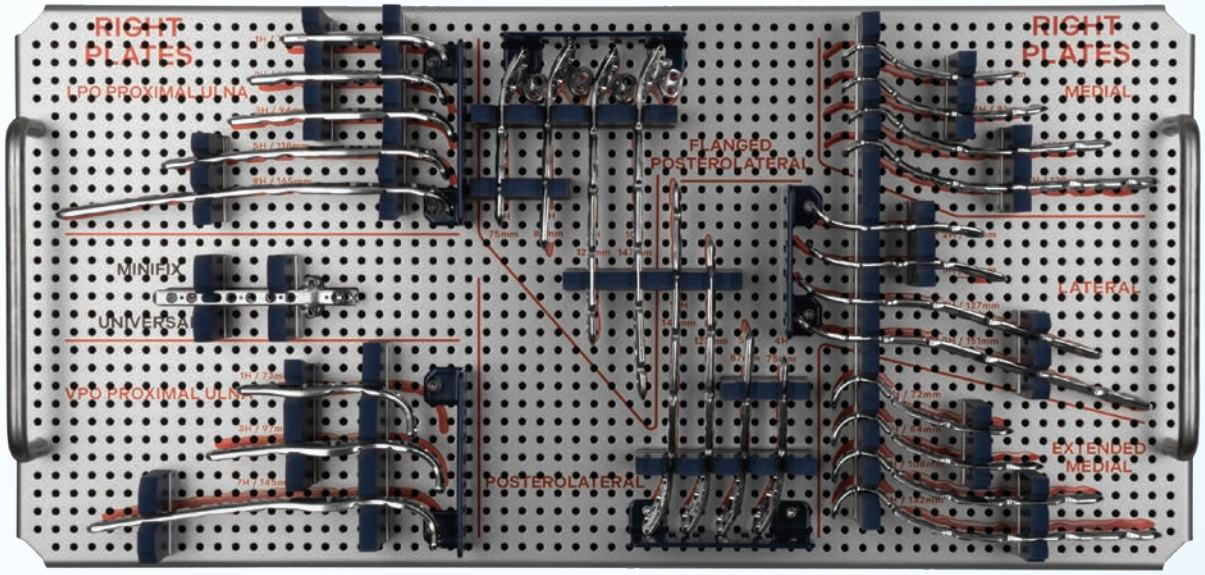
Part No.	Description	Qty
2189.1604	ANTHEM™ Posterolateral Distal Humerus Plate, Left, 4 Hole, 75mm, SS	1
2189.1605	ANTHEM™ Posterolateral Distal Humerus Plate, Left, 5 Hole, 87mm, SS	1
2189.1608	ANTHEM™ Posterolateral Distal Humerus Plate, Left, 8 Hole, 123mm, SS	1
2189.1610	ANTHEM™ Posterolateral Distal Humerus Plate, Left, 10 Hole, 147mm, SS	1
2189.1613S	ANTHEM™ Posterolateral Distal Humerus Plate, Left, 13 Hole, 183mm, SS	0
2189.1615S	ANTHEM™ Posterolateral Distal Humerus Plate, Left, 15 Hole, 206mm, SS	0
2189.2604	ANTHEM™ Posterolateral Distal Humerus Plate, Right, 4 Hole, 75mm, SS	1
2189.2605	ANTHEM™ Posterolateral Distal Humerus Plate, Right, 5 Hole, 87mm, SS	1
2189.2608	ANTHEM™ Posterolateral Distal Humerus Plate, Right, 8 Hole, 123mm, SS	1
2189.2610	ANTHEM™ Posterolateral Distal Humerus Plate, Right, 10 Hole, 147mm, SS	1
2189.2613S	ANTHEM™ Posterolateral Distal Humerus Plate, Right, 13 Hole, 183mm, SS	0
2189.2615S	ANTHEM™ Posterolateral Distal Humerus Plate, Right, 15 Hole, 206mm, SS	0
2189.1704	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Left, 4 Hole, 75mm, SS	1
2189.1705	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Left, 5 Hole, 87mm, SS	1
2189.1708	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Left, 8 Hole, 123mm, SS	1
2189.1710	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Left, 10 Hole, 147mm, SS	1
2189.1713S	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Left, 13 Hole, 183mm, SS	0
2189.1715S	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Left, 15 Hole, 206mm, SS	0
2189.2704	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Right, 4 Hole, 75mm, SS	1
2189.2705	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Right, 5 Hole, 87mm, SS	1
2189.2708	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Right, 8 Hole, 123mm, SS	1
2189.2710	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Right, 10 Hole, 147mm, SS	1
2189.2713S	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Right, 13 Hole, 183mm, SS	0
2189.2715S	ANTHEM™ Flanged Posterolateral Distal Humerus Plate, Right, 15 Hole, 206mm, SS	0
2189.1502	ANTHEM™ Lateral Distal Humerus Plate, Left, 2 Hole, 67mm, SS	1
2189.1503	ANTHEM™ Lateral Distal Humerus Plate, Left, 3 Hole, 79mm, SS	1
2189.1507	ANTHEM™ Lateral Distal Humerus Plate, Left, 7 Hole, 127mm, SS	1
2189.1509	ANTHEM™ Lateral Distal Humerus Plate, Left, 9 Hole, 151mm, SS	1
2189.1511S	ANTHEM™ Lateral Distal Humerus Plate, Left, 11 Hole, 175mm, SS	0
2189.1514S	ANTHEM™ Lateral Distal Humerus Plate, Left, 14 Hole, 211mm, SS	0
2189.2502	ANTHEM™ Lateral Distal Humerus Plate, Right, 2 Hole, 67mm, SS	1
2189.2503	ANTHEM™ Lateral Distal Humerus Plate, Right, 3 Hole, 79mm, SS	1
2189.2507	ANTHEM™ Lateral Distal Humerus Plate, Right, 7 Hole, 127mm, SS	1
2189.2509	ANTHEM™ Lateral Distal Humerus Plate, Right, 9 Hole, 151mm, SS	1
2189.2511S	ANTHEM™ Lateral Distal Humerus Plate, Right, 11 Hole, 175mm, SS	0
2189.2514S	ANTHEM™ Lateral Distal Humerus Plate, Right, 14 Hole, 211mm, SS	0
2189.1403	ANTHEM™ Extended Medial, Left, 3 Hole, 72mm, SS	1
2189.1404	ANTHEM™ Extended Medial, Left, 4 Hole, 84mm, SS	1
2189.1406	ANTHEM™ Extended Medial, Left, 6 Hole, 108mm, SS	1
2189.1408	ANTHEM™ Extended Medial, Left, 8, Hole, 132mm, SS	1
2189.1410S	ANTHEM™ Extended Medial, Left, 10 Hole, 156mm, SS	0
2189.1413S	ANTHEM™ Extended Medial, Left, 13 Hole, 192mm, SS	0

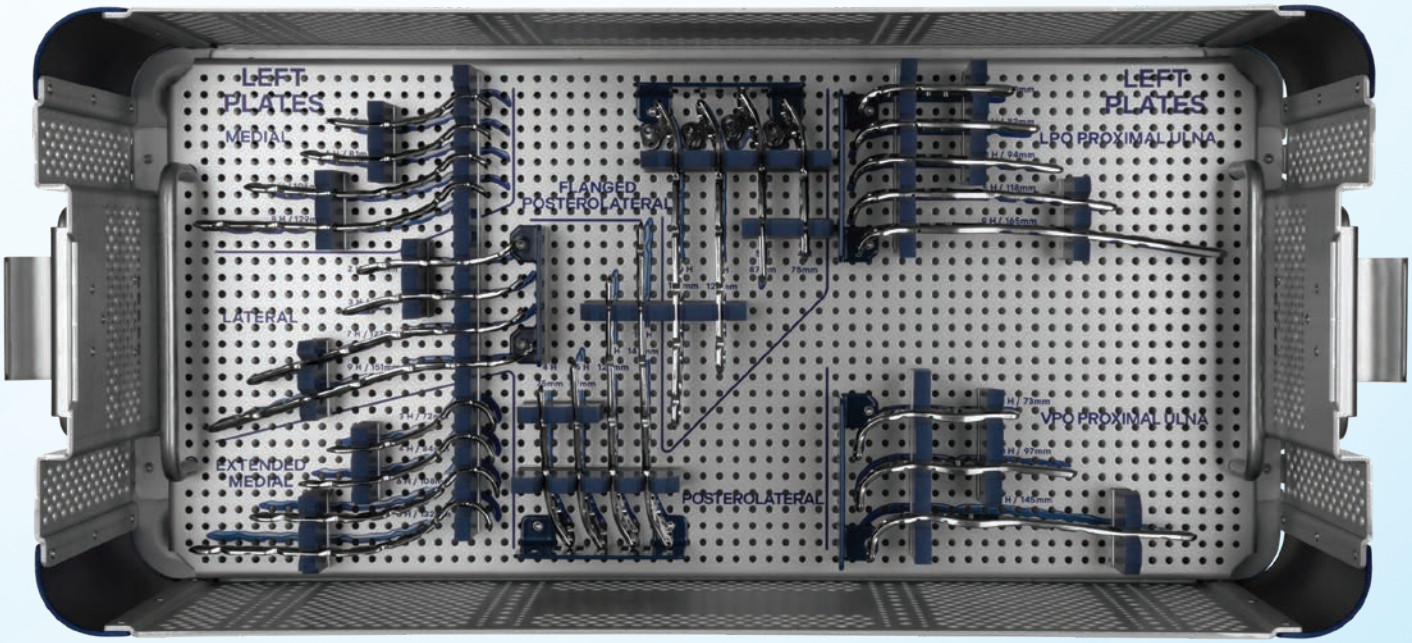
All LPO, VPO, and Minifix Plates can also be ordered sterile by adding an (S) to the end of the part number.

Items in gray are additionally available.

ANTHEM™ SS Elbow Fracture System

9189.9032 (Cont'd)





ANTHEM™ SS Elbow Fracture System
9189.9032 (Cont'd)

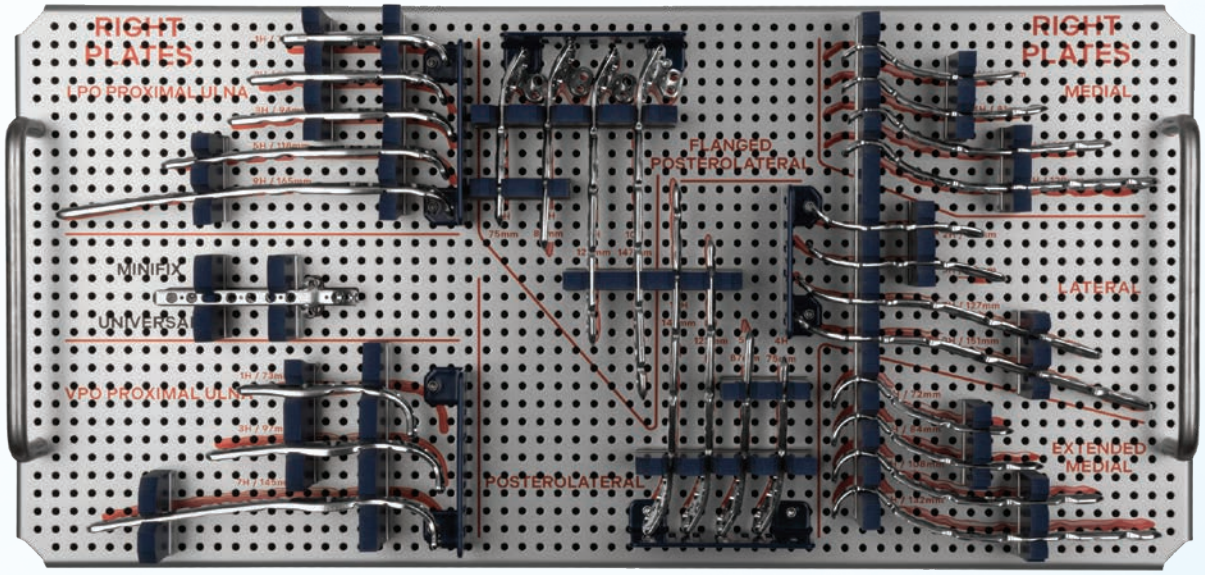
Part No.	Description	Qty
2189.2403	ANTHEM™ Extended Medial, Right, 3 Hole, 72mm, SS	1
2189.2404	ANTHEM™ Extended Medial, Right, 4 Hole, 84mm, SS	1
2189.2406	ANTHEM™ Extended Medial, Right, 6 Hole, 108mm, SS	1
2189.2408	ANTHEM™ Extended Medial, Right, 8, Hole, 132mm, SS	1
2189.2410S	ANTHEM™ Extended Medial, Right, 10 Hole, 156mm, SS	0
2189.2413S	ANTHEM™ Extended Medial, Right, 13 Hole, 192mm, SS	0
2189.1303	ANTHEM™ Medial Distal Humerus Plate, Left, 3 Hole, 69mm, SS	1
2189.1304	ANTHEM™ Medial Distal Humerus Plate, Left, 4 Hole, 81mm, SS	1
2189.1306	ANTHEM™ Medial Distal Humerus Plate, Left, 6 Hole, 105mm, SS	1
2189.1308	ANTHEM™ Medial Distal Humerus Plate, Left, 8, Hole, 129mm, SS	1
2189.1310S	ANTHEM™ Medial Distal Humerus Plate, Left, 10 Hole, 153mm, SS	0
2189.1313S	ANTHEM™ Medial Distal Humerus Plate, Left, 13 Hole, 189mm, SS	0
2189.2303	ANTHEM™ Medial Distal Humerus Plate, Right, 3 Hole, 69mm, SS	1
2189.2304	ANTHEM™ Medial Distal Humerus Plate, Right, 4 Hole, 81mm, SS	1
2189.2306	ANTHEM™ Medial Distal Humerus Plate, Right, 6 Hole, 105mm, SS	1
2189.2308	ANTHEM™ Medial Distal Humerus Plate, Right, 8, Hole, 129mm, SS	1
2189.2310S	ANTHEM™ Medial Distal Humerus Plate, Right, 10 Hole, 153mm, SS	0
2189.2313S	ANTHEM™ Medial Distal Humerus Plate, Right, 13 Hole, 189mm, SS	0
2189.2001	ANTHEM™ Proximal Ulna Plate, Very Proximal Option, 1 Hole, Right, 73mm, SS	1
2189.2003	ANTHEM™ Proximal Ulna Plate, Very Proximal Option, 3 Hole, Right, 97mm, SS	1
2189.2007	ANTHEM™ Proximal Ulna Plate, Very Proximal Option, 7 Hole, Right, 145mm, SS	1

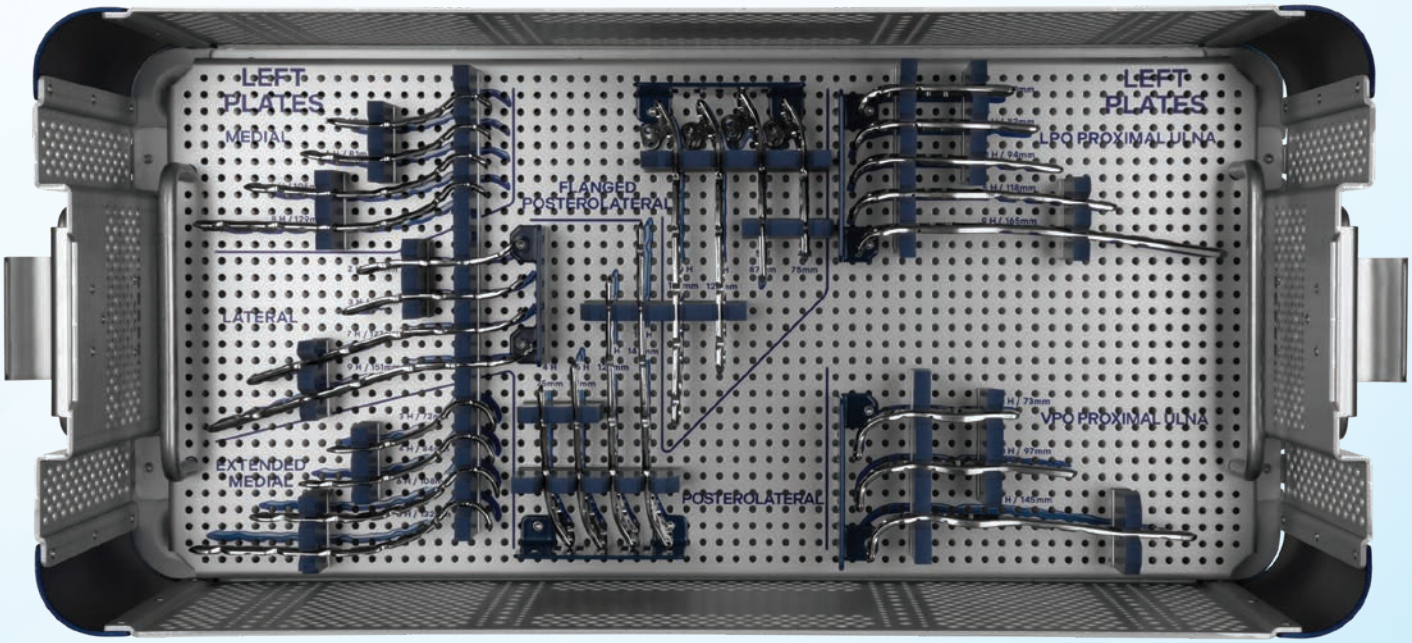
Part No.	Description	Qty
2189.1001	ANTHEM™ Proximal Ulna Plate, Very Proximal Option, 1 Hole, Left, 73mm, SS	1
2189.1003	ANTHEM™ Proximal Ulna Plate, Very Proximal Option, 3 Hole, Left, 97mm, SS	1
2189.1007	ANTHEM™ Proximal Ulna Plate, Very Proximal Option, 7 Hole, Left, 145mm, SS	1
2189.1101	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 1 Hole, Left, 70mm, SS	1
2189.1102	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 2 Hole, Left, 82mm, SS	1
2189.1103	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 3 Hole, Left, 94mm, SS	1
2189.1105	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 5 Hole, Left, 118mm, SS	1
2189.1109	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 9 Hole, Left, 165mm, SS	1
2189.1112S	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 12 Hole, Left, 200mm, SS	0
2189.2101	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 1 Hole, Right, 70mm, SS	1
2189.2102	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 2 Hole, Right, 82mm, SS	1
2189.2103	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 3 Hole, Right, 94mm, SS	1
2189.2105	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 5 Hole, Right, 118mm, SS	1
2189.2109	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 9 Hole, Right, 165mm, SS	1
2189.2112S	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 12 Hole, Right, 200mm, SS	0
2189.0307	ANTHEM™ Minifix Plate, SS	1
2189.0932S	ANTHEM™ 2.0mm Radial Head Plate, SS	0
2189.0933S	ANTHEM™ 2.0mm Radial Neck Plate, SS	0
2189.1900S	ANTHEM™ 2.0mm Coronoid Plate, Left, SS	0
2189.1904S	ANTHEM™ Medial Shear Plate, Left, SS	0
2189.1905S	ANTHEM™ Lateral Shear Plate, Left, SS	0
2189.2900S	ANTHEM™ 2.0mm Coronoid Plate, Right, SS	0
2189.2904S	ANTHEM™ Medial Shear Plate, Right, SS	0
2189.2905S	ANTHEM™ Lateral Shear Plate, Right, SS	0

All LPO, VPO, and Minifix Plates can also be ordered sterile by adding an (S) to the end of the part number.

Items in gray are additionally available.

ANTHEM™ SS Elbow Fracture System
9189.9032 (Cont'd)



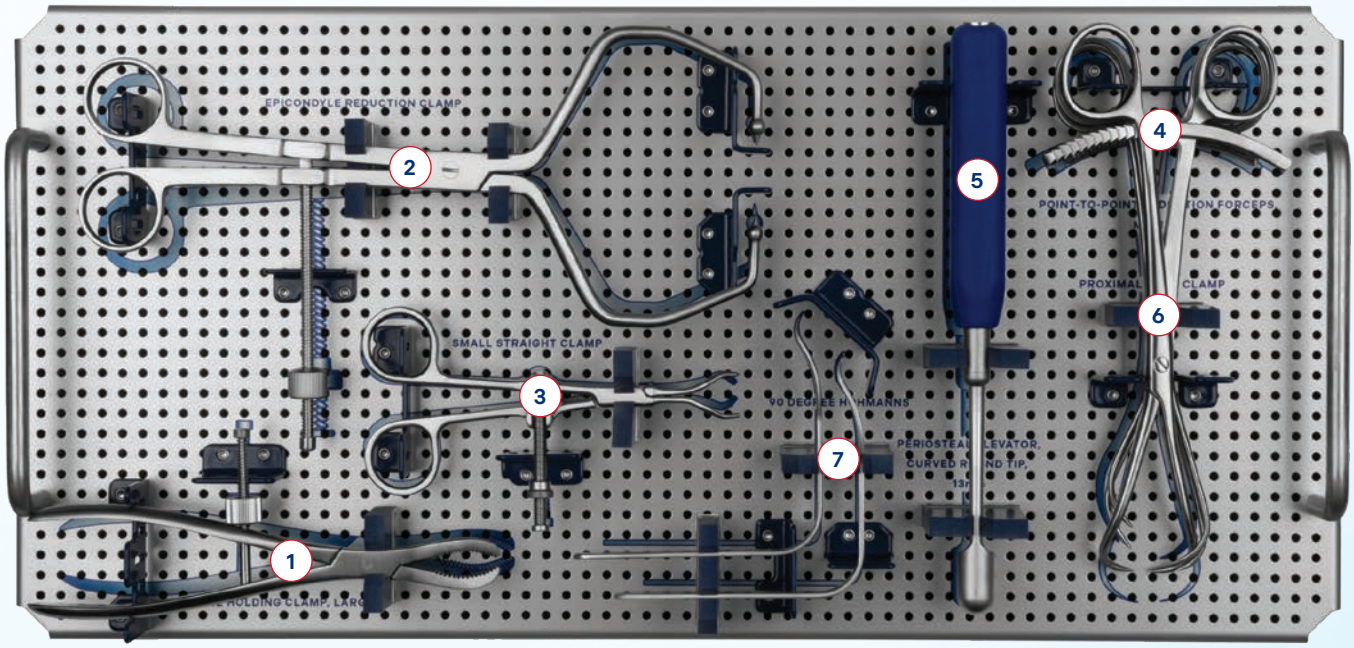


ANTHEM™ SS Elbow Fracture System
9189.9032 (Cont'd)

	Part No.	Description	Qty
1	6168.2001	Bone Holding Clamp, Large	1
2	6189.0002	Epicondyle Reduction Clamp	1
3	6189.0003	Small Straight Clamp, Spin-Down	1
4	6168.2003	Point-to-Point Reduction Forceps, Large, Ratcheting	1
5	6186.9005	Periosteal Elevator, Curved Round Tip, 13mm	1
6	6189.2023	Proximal Ulna Clamp	2
7	6189.7017	90° Hohmanns	2

ANTHEM™ SS Elbow Fracture System

9189.9032 (Cont'd)



ANTHEM™ Ti

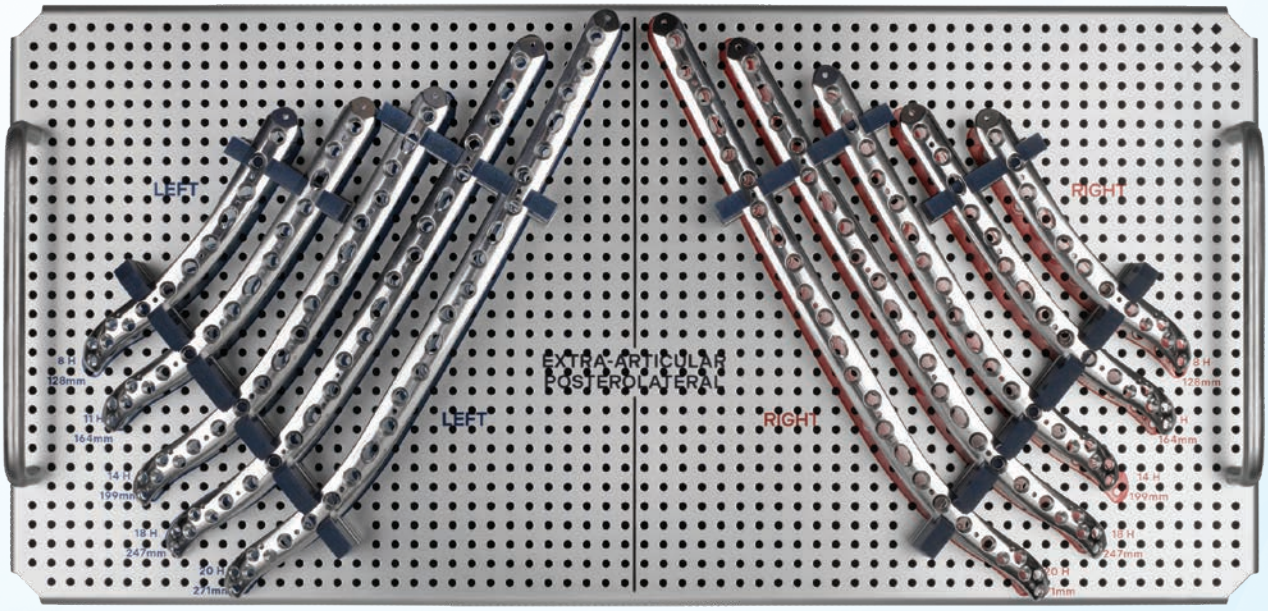
Extra-Articular Posterolateral Plate Module 9189.9041

Part No.	Description	Qty
1189.1808	ANTHEM™ Extra-Articular Posterolateral Plate, Left, 8 Hole, 128mm, Ti	1
1189.1811	ANTHEM™ Extra-Articular Posterolateral Plate, Left, 11 Hole, 164mm, Ti	1
1189.1814	ANTHEM™ Extra-Articular Posterolateral Plate, Left, 14 Hole, 199mm, Ti	1
1189.1818	ANTHEM™ Extra-Articular Posterolateral Plate, Left, 18 Hole, 247mm, Ti	1
1189.1820	ANTHEM™ Extra-Articular Posterolateral Plate, Left, 20 Hole, 271mm, Ti	1
1189.1823S	ANTHEM™ Extra-Articular Posterolateral Plate, Left, 23 Hole, 306mm, Ti	0
1189.2808	ANTHEM™ Extra-Articular Posterolateral Plate, Right, 8 Hole, 128mm, Ti	1
1189.2811	ANTHEM™ Extra-Articular Posterolateral Plate, Right, 11 Hole, 164mm, Ti	1
1189.2814	ANTHEM™ Extra-Articular Posterolateral Plate, Right, 14 Hole, 199mm, Ti	1
1189.2818	ANTHEM™ Extra-Articular Posterolateral Plate, Right, 18 Hole, 247mm, Ti	1
1189.2820	ANTHEM™ Extra-Articular Posterolateral Plate, Right, 20 Hole, 271mm, Ti	1
1189.2823S	ANTHEM™ Extra-Articular Posterolateral Plate, Right, 23 Hole, 306mm, Ti	0

Items in gray are additionally available.

ANTHEM™ Ti

Extra-Articular Posterolateral Plate Module 9189.9041 (Cont'd)



(Pictured: 9189.9042)

ANTHEM™ SS

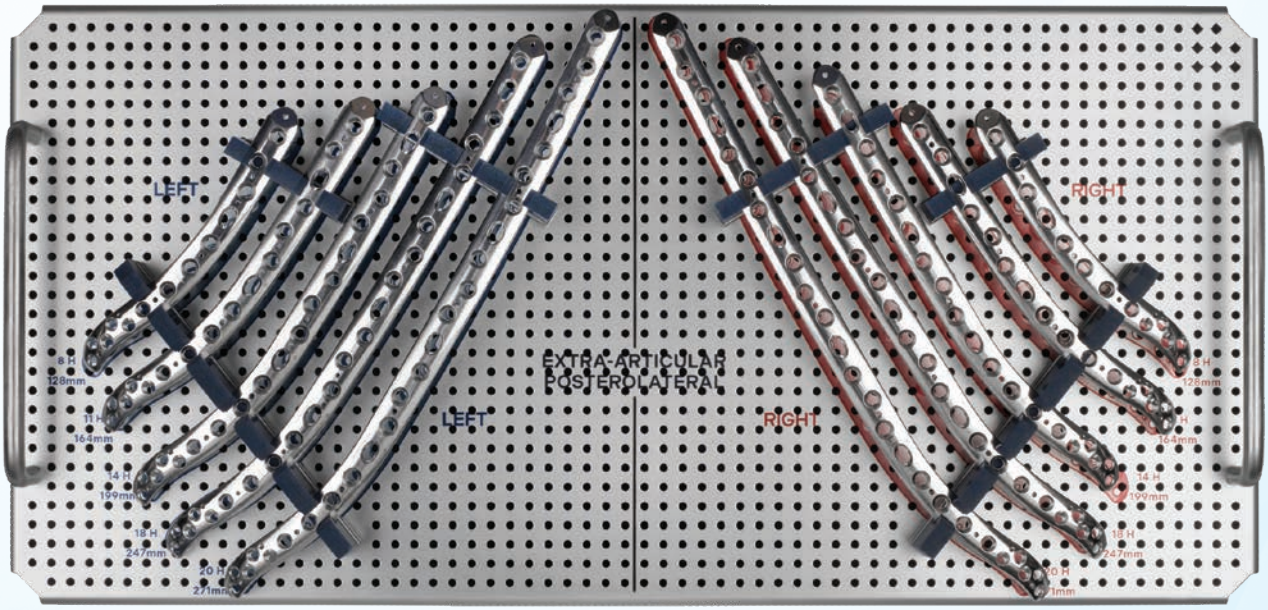
Extra-Articular Posterolateral Plate Module 9189.9042

Part No.	Description	Qty
2189.1808	ANTHEM™ Extra-Articular Posterolateral Plate, Left, 8 Hole, 128mm, SS	1
2189.1811	ANTHEM™ Extra-Articular Posterolateral Plate, Left, 11 Hole, 164mm, SS	1
2189.1814	ANTHEM™ Extra-Articular Posterolateral Plate, Left, 14 Hole, 199mm, SS	1
2189.1818	ANTHEM™ Extra-Articular Posterolateral Plate, Left, 18 Hole, 247mm, SS	1
2189.1820	ANTHEM™ Extra-Articular Posterolateral Plate, Left, 20 Hole, 271mm, SS	1
2189.1823S	ANTHEM™ Extra-Articular Posterolateral Plate, Left, 23 Hole, 306mm, SS	0
2189.2808	ANTHEM™ Extra-Articular Posterolateral Plate, Right, 8 Hole, 128mm, SS	1
2189.2811	ANTHEM™ Extra-Articular Posterolateral Plate, Right, 11 Hole, 164mm, SS	1
2189.2814	ANTHEM™ Extra-Articular Posterolateral Plate, Right, 14 Hole, 199mm, SS	1
2189.2818	ANTHEM™ Extra-Articular Posterolateral Plate, Right, 18 Hole, 247mm, SS	1
2189.2820	ANTHEM™ Extra-Articular Posterolateral Plate, Right, 20 Hole, 271mm, SS	1
2189.2823S	ANTHEM™ Extra-Articular Posterolateral Plate, Right, 23 Hole, 306mm, SS	0

Items in gray are additionally available.

ANTHEM™ SS

Extra-Articular Posterolateral Plate Module 9189.9042 (Cont'd)



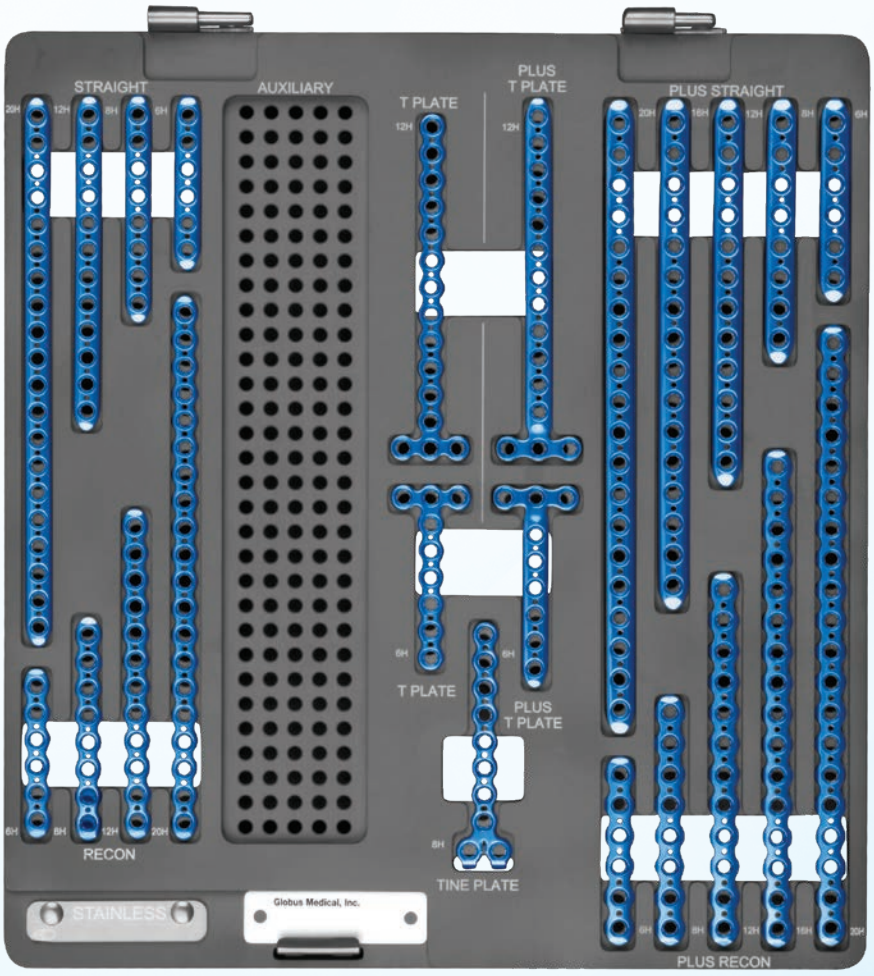
ANTHEM™ Ti Keystone System

Mini Fragment 2.5/2.5 Plus Module 9189.9051

Part No.	Description	Qty
1181.3006	ANTHEM™ 2.5mm Straight Plate, Polyaxial, 6 Holes, 42mm, Ti	1
1181.3008	ANTHEM™ 2.5mm Straight Plate, Polyaxial, 8 Holes, 55mm, Ti	1
1181.3012	ANTHEM™ 2.5mm Straight Plate, Polyaxial, 12 Holes, 81mm, Ti	1
1181.3020	ANTHEM™ 2.5mm Straight Plate, Polyaxial, 20 Holes, 133mm, Ti	1
1181.3106	ANTHEM™ 2.5mm Plus Straight Plate, Polyaxial, 6 Holes, 50mm, Ti	1
1181.3108	ANTHEM™ 2.5mm Plus Straight Plate, Polyaxial, 8 Holes, 65mm, Ti	1
1181.3112	ANTHEM™ 2.5mm Plus Straight Plate, Polyaxial, 12 Holes, 95mm, Ti	1
1181.3116	ANTHEM™ 2.5mm Plus Straight Plate, Polyaxial, 16 Holes, 125mm, Ti	1
1181.3120	ANTHEM™ 2.5mm Plus Straight Plate, Polyaxial, 20 Holes, 155mm, Ti	1
1181.3206	ANTHEM™ 2.5mm Reconstruction Plate, Polyaxial, 6 Holes, 42mm, Ti	1
1181.3208	ANTHEM™ 2.5mm Reconstruction Plate, Polyaxial, 8 Holes, 55mm, Ti	1
1181.3212	ANTHEM™ 2.5mm Reconstruction Plate, Polyaxial, 12 Holes, 81mm, Ti	1
1181.3220	ANTHEM™ 2.5mm Reconstruction Plate, Polyaxial, 20 Holes, 133mm, Ti	1
1181.3406	ANTHEM™ 2.5mm T-Plate, Polyaxial, 6 Holes, 46mm, Ti	1
1181.3412	ANTHEM™ 2.5mm T-Plate, Polyaxial, 12 Holes, 85mm, Ti	1
1181.7006	ANTHEM™ 2.5mm Plus T-Plate, Polyaxial, 6 Holes, 50mm, Ti	1
1181.7012	ANTHEM™ 2.5mm Plus T-Plate, Polyaxial, 12 Holes, 89mm, Ti	1
1181.7308	ANTHEM™ 2.5mm Tine Plate, Polyaxial, 8 Holes, 60mm, Ti	1
1181.8206	ANTHEM™ 2.5mm Plus Recon Plate, Polyaxial, 6 Holes, 46.6mm, Ti	1
1181.8208	ANTHEM™ 2.5mm Plus Recon Plate, Polyaxial, 8 Holes, 61.6mm, Ti	1
1181.8212	ANTHEM™ 2.5mm Plus Recon Plate, Polyaxial, 12 Holes, 91.6mm, Ti	1
1181.8216	ANTHEM™ 2.5mm Plus Recon Plate, Polyaxial, 16 Holes, 121.6mm, Ti	1
1181.8220	ANTHEM™ 2.5mm Plus Recon Plate, Polyaxial, 20 Holes, 151.6mm, Ti	1

ANTHEM™ Ti Keystone System

Mini Fragment 2.5/2.5 Plus Module 9189.9051 (Cont'd)



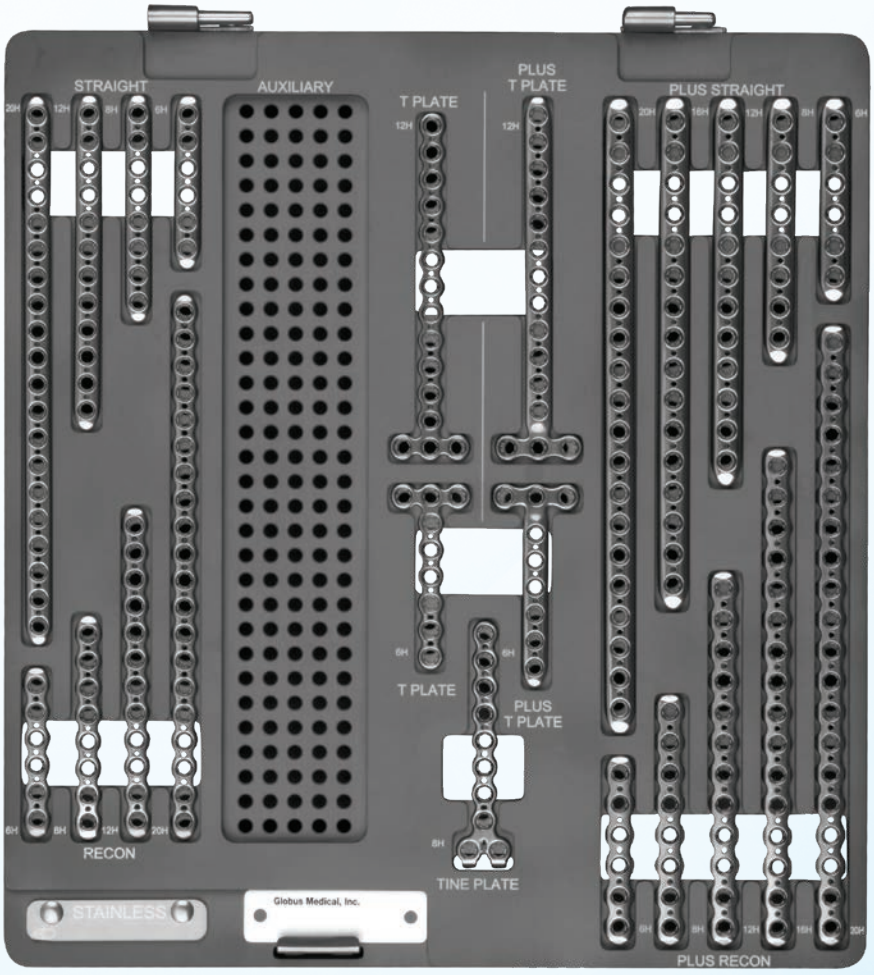
ANTHEM™ SS Keystone System

Mini Fragment 2.5/2.5 Plus Module 9189.9052

Part No.	Description	Qty
2181.3006	ANTHEM™ 2.5mm Straight Plate, Polyaxial, 6 Holes, 42mm, SS	1
2181.3008	ANTHEM™ 2.5mm Straight Plate, Polyaxial, 8 Holes, 55mm, SS	1
2181.3012	ANTHEM™ 2.5mm Straight Plate, Polyaxial, 12 Holes, 81mm, SS	1
2181.3020	ANTHEM™ 2.5mm Straight Plate, Polyaxial, 20 Holes, 133mm, SS	1
2181.3106	ANTHEM™ 2.5mm Plus Straight Plate, Polyaxial, 6 Holes, 50mm, SS	1
2181.3108	ANTHEM™ 2.5mm Plus Straight Plate, Polyaxial, 8 Holes, 65mm, SS	1
2181.3112	ANTHEM™ 2.5mm Plus Straight Plate, Polyaxial, 12 Holes, 95mm, SS	1
2181.3116	ANTHEM™ 2.5mm Plus Straight Plate, Polyaxial, 16 Holes, 125mm, SS	1
2181.3120	ANTHEM™ 2.5mm Plus Straight Plate, Polyaxial, 20 Holes, 155mm, SS	1
2181.3206	ANTHEM™ 2.5mm Reconstruction Plate, Polyaxial, 6 Holes, 42mm, SS	1
2181.3208	ANTHEM™ 2.5mm Reconstruction Plate, Polyaxial, 8 Holes, 55mm, SS	1
2181.3212	ANTHEM™ 2.5mm Reconstruction Plate, Polyaxial, 12 Holes, 81mm, SS	1
2181.3220	ANTHEM™ 2.5mm Reconstruction Plate, Polyaxial, 20 Holes, 133mm, SS	1
2181.3406	ANTHEM™ 2.5mm T-Plate, Polyaxial, 6 Holes, 46mm, SS	1
2181.3412	ANTHEM™ 2.5mm T-Plate, Polyaxial, 12 Holes, 85mm, SS	1
2181.7006	ANTHEM™ 2.5mm Plus T-Plate, Polyaxial, 6 Holes, 50mm, SS	1
2181.7012	ANTHEM™ 2.5mm Plus T-Plate, Polyaxial, 12 Holes, 89mm, SS	1
2181.7308	ANTHEM™ 2.5mm Tine Plate, Polyaxial, 8 Holes, 60mm, SS	1
2181.8206	ANTHEM™ 2.5mm Plus Recon Plate, Polyaxial, 6 Holes, 46.6mm, SS	1
2181.8208	ANTHEM™ 2.5mm Plus Recon Plate, Polyaxial, 8 Holes, 61.6mm, SS	1
2181.8212	ANTHEM™ 2.5mm Plus Recon Plate, Polyaxial, 12 Holes, 91.6mm, SS	1
2181.8216	ANTHEM™ 2.5mm Plus Recon Plate, Polyaxial, 16 Holes, 121.6mm, SS	1
2181.8220	ANTHEM™ 2.5mm Plus Recon Plate, Polyaxial, 20 Holes, 151.6mm, SS	1

ANTHEM™ SS Keystone System

Mini Fragment 2.5/2.5 Plus Module 9189.9052 (Cont'd)

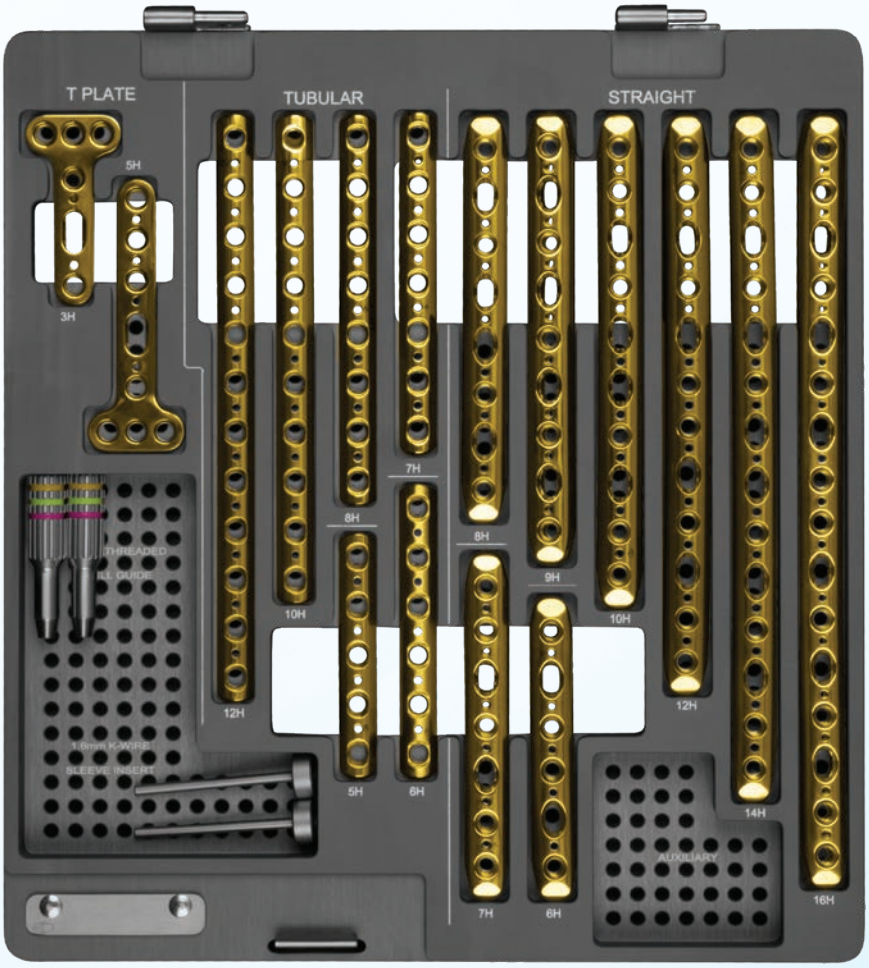


ANTHEM™ Ti Keystone System
Small Fragment Module 9189.9061

Part No.	Description	Qty
1179.0303	ANTHEM™ T-Plate, 3 Hole Head, 3 Hole Shaft, 47mm, Ti	1
1179.0305	ANTHEM™ T-Plate, 3 Hole Head, 5 Hole Shaft, 67mm, Ti	1
1179.1305	ANTHEM™ One-Third Tubular Plate, 5 Hole, 60mm, Ti	1
1179.1306	ANTHEM™ One-Third Tubular Plate, 6 Hole, 72mm, Ti	1
1179.1307	ANTHEM™ One-Third Tubular Plate, 7 Hole, 84mm, Ti	1
1179.1308	ANTHEM™ One-Third Tubular Plate, 8 Hole, 96mm, Ti	1
1179.1310	ANTHEM™ One-Third Tubular Plate, 10 Hole, 120mm, Ti	1
1179.1312	ANTHEM™ One-Third Tubular Plate, 12 Hole, 144mm, Ti	1
1179.3506	ANTHEM™ 3.5mm Straight Plate, 6 Hole, 75mm, Ti	2
1179.3507	ANTHEM™ 3.5mm Straight Plate, 7 Hole, 85mm, Ti	2
1179.3508	ANTHEM™ 3.5mm Straight Plate, 8 Hole, 101mm, Ti	2
1179.3509	ANTHEM™ 3.5mm Straight Plate, 9 Hole, 111mm, Ti	2
1179.3510	ANTHEM™ 3.5mm Straight Plate, 10 Hole, 122mm, Ti	2
1179.3512	ANTHEM™ 3.5mm Straight Plate, 12 Hole, 143mm, Ti	2
1179.3514	ANTHEM™ 3.5mm Straight Plate, 14 Hole, 169mm, Ti	2
1179.3516	ANTHEM™ 3.5mm Straight Plate, 16 Hole, 190mm, Ti	2
6179.3227	2.7mm Threaded Drill Guide	2
6179.3316	1.6mm K-Wire Sleeve Insert	2

ANTHEM™ Ti Keystone System

Small Fragment Module 9189.9061 (Cont'd)

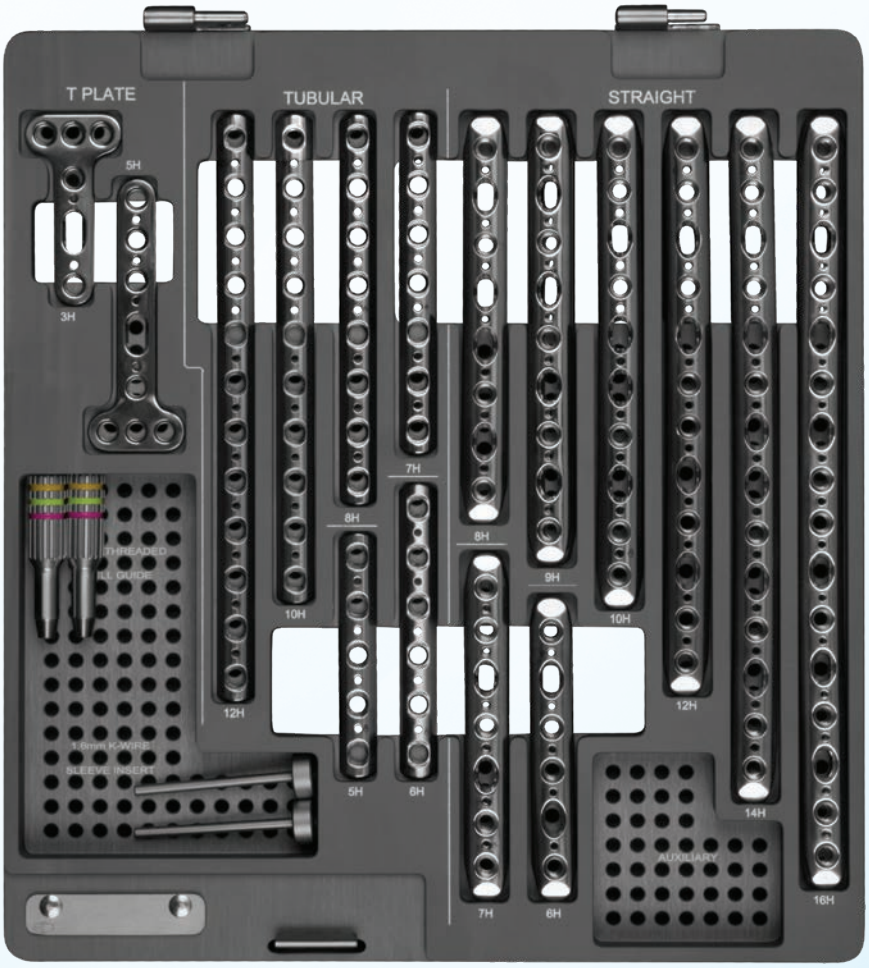


ANTHEM™ SS Keystone System
Small Fragment Module 9189.9062

Part No.	Description	Qty
2179.0303	ANTHEM™ T-Plate, 3 Hole Head, 3 Hole Shaft, 47mm, SS	1
2179.0305	ANTHEM™ T-Plate, 3 Hole Head, 5 Hole Shaft, 67mm, SS	1
2179.1305	ANTHEM™ One-Third Tubular Plate, 5 Hole, 60mm, SS	1
2179.1306	ANTHEM™ One-Third Tubular Plate, 6 Hole, 72mm, SS	1
2179.1307	ANTHEM™ One-Third Tubular Plate, 7 Hole, 84mm, SS	1
2179.1308	ANTHEM™ One-Third Tubular Plate, 8 Hole, 96mm, SS	1
2179.1310	ANTHEM™ One-Third Tubular Plate, 10 Hole, 120mm, SS	1
2179.1312	ANTHEM™ One-Third Tubular Plate, 12 Hole, 144mm, SS	1
2179.3506	ANTHEM™ 3.5mm Straight Plate, 6 Hole, 75mm, SS	2
2179.3507	ANTHEM™ 3.5mm Straight Plate, 7 Hole, 85mm, SS	2
2179.3508	ANTHEM™ 3.5mm Straight Plate, 8 Hole, 101mm, SS	2
2179.3509	ANTHEM™ 3.5mm Straight Plate, 9 Hole, 111mm, SS	2
2179.3510	ANTHEM™ 3.5mm Straight Plate, 10 Hole, 122mm, SS	2
2179.3512	ANTHEM™ 3.5mm Straight Plate, 12 Hole, 143mm, SS	2
2179.3514	ANTHEM™ 3.5mm Straight Plate, 14 Hole, 169mm, SS	2
2179.3516	ANTHEM™ 3.5mm Straight Plate, 16 Hole, 190mm, SS	2
6179.3227	2.7mm Threaded Drill Guide	2
6179.3316	1.6mm K-Wire Sleeve Insert	2

ANTHEM™ SS Keystone System

Small Fragment Module 9189.9062 (Cont'd)



ANTHEM™ Ti Elbow Fracture System

Sterile Boxed Proximal Ulna Plates 9189.9101

Part No.	Description
1189.2001S	ANTHEM™ Proximal Ulna, Very Proximal Option, 1 Hole, Right, 73mm, Ti
1189.2003S	ANTHEM™ Proximal Ulna, Very Proximal Option, 3 Hole, Right, 97mm, Ti
1189.2007S	ANTHEM™ Proximal Ulna, Very Proximal Option, 7 Hole, Right, 145mm, Ti
1189.1001S	ANTHEM™ Proximal Ulna, Very Proximal Option, 1 Hole, Left, 73mm, Ti
1189.1003S	ANTHEM™ Proximal Ulna, Very Proximal Option, 3 Hole, Left, 97mm, Ti
1189.1007S	ANTHEM™ Proximal Ulna, Very Proximal Option, 7 Hole, Left, 145mm, Ti
1189.1101S	ANTHEM™ Proximal Ulna, Less Proximal Option, 1 Hole, Left, 70mm, Ti
1189.1102S	ANTHEM™ Proximal Ulna, Less Proximal Option, 2 Hole, Left, 82mm, Ti
1189.1103S	ANTHEM™ Proximal Ulna, Less Proximal Option, 3 Hole, Left, 94mm, Ti
1189.1105S	ANTHEM™ Proximal Ulna, Less Proximal Option, 5 Hole, Left, 118mm, Ti
1189.1109S	ANTHEM™ Proximal Ulna, Less Proximal Option, 9 Hole, Left, 165mm, Ti
1189.1112S	ANTHEM™ Proximal Ulna, Less Proximal Option, 12 Hole, Left, 200mm, Ti
1189.2101S	ANTHEM™ Proximal Ulna, Less Proximal Option, 1 Hole, Right, 70mm, Ti
1189.2102S	ANTHEM™ Proximal Ulna, Less Proximal Option, 2 Hole, Right, 82mm, Ti
1189.2103S	ANTHEM™ Proximal Ulna, Less Proximal Option, 3 Hole, Right, 94mm, Ti
1189.2105S	ANTHEM™ Proximal Ulna, Less Proximal Option, 5 Hole, Right, 118mm, Ti
1189.2109S	ANTHEM™ Proximal Ulna, Less Proximal Option, 9 Hole, Right, 164mm, Ti
1189.2112S	ANTHEM™ Proximal Ulna, Less Proximal Option, 12 Hole, Right, 200mm, Ti
1189.0307S	ANTHEM™ Minifix Plate, Ti

ANTHEM™ SS Elbow Fracture System

Sterile Boxed Proximal Ulna Plates 9189.9202

Part No.	Description
2189.2001S	ANTHEM™ Proximal Ulna Plate, Very Proximal Option, 1 Hole, Right, 73mm, SS
2189.2003S	ANTHEM™ Proximal Ulna Plate, Very Proximal Option, 3 Hole, Right, 97mm, SS
2189.2007S	ANTHEM™ Proximal Ulna Plate, Very Proximal Option, 7 Hole, Right, 145mm, SS
2189.1001S	ANTHEM™ Proximal Ulna Plate, Very Proximal Option, 1 Hole, Left, 73mm, SS
2189.1003S	ANTHEM™ Proximal Ulna Plate, Very Proximal Option, 3 Hole, Left, 97mm, SS
2189.1007S	ANTHEM™ Proximal Ulna Plate, Very Proximal Option, 7 Hole, Left, 145mm, SS
2189.1101S	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 1 Hole, Left, 70mm, SS
2189.1102S	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 2 Hole, Left, 82mm, SS
2189.1103S	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 3 Hole, Left, 94mm, SS
2189.1105S	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 5 Hole, Left, 118mm, SS
2189.1109S	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 9 Hole, Left, 165mm, SS
2189.1112S	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 12 Hole, Left, 200mm, SS
2189.2101S	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 1 Hole, Right, 70mm, SS
2189.2102S	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 2 Hole, Right, 82mm, SS
2189.2103S	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 3 Hole, Right, 94mm, SS
2189.2105S	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 5 Hole, Right, 118mm, SS
2189.2109S	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 9 Hole, Right, 164mm, SS
2189.2112SS	ANTHEM™ Proximal Ulna Plate, Less Proximal Option, 12 Hole, Right, 200mm, SS
2189.0307S	ANTHEM™ Minifix Plate, SS

Important Information on the ANTHEM™ Fracture System

For symbols glossary, please refer to www.globusmedical.com/eIFU

WITHIN THE UNITED STATES ONLY

DESCRIPTION

The ANTHEM™ Fracture System is a family of plates and screws designed to be used for internal bone fixation. The implants are available in various sizes and shapes to accommodate patient anatomy, and may be contoured or straight, with locking and non-locking screws. ANTHEM™ implants are manufactured from titanium, titanium alloy, cobalt chromium molybdenum alloy, or stainless steel, as specified in ASTM F67, F136, F1295, F1472, F1537, F2229, F3001, F138 and F139. All implants are for single use only.

INDICATIONS

The ANTHEM™ Fracture System is indicated for fixation of fractures, osteotomies, arthrodesis and reconstruction of bones for the appropriate size of the device to be used in adult patients, including the clavicle, scapula, humerus, radius, ulna, small bones (metacarpals, metatarsals, phalanges), wrist, pelvis, femur, tibia, fibula, ankle, and foot. The clavicle hook plate may be used for dislocations of the acromioclavicular joint. Distal femur, distal humerus, proximal ulna, and proximal radius plates are indicated for diaphyseal, metaphyseal, epiphyseal, supracondylar, intra-articular, extra-articular, condylar, periprosthetic, and comminuted fractures, and for non-unions and malunions. Mini fragment plates are also indicated for fixation of fractures of the acetabulum, patella, and bone fragments, replantation, malunions and nonunion, and for non-load bearing stabilization and reduction of long bone fragments. Metaphyseal plates are indicated for non-load bearing stabilization and reduction of long bone fragments, and for fixation of bones including the radius and ulna.

In addition to adult patients, small fragment, mini fragment, proximal tibia, clavicle, metaphyseal, distal humerus, proximal ulna, proximal radius, and distal fibula plates are indicated for use in infant, child, and adolescent pediatric subgroups and small stature adults. Distal femur plates are indicated for use in the diaphyseal and metaphyseal areas of long bones in adolescent pediatric patients. Distal radius, distal tibia, metaphyseal, and mini fragment plates are indicated for use in adolescents (12-21 years of age). Plating can be used in patients with osteopenic bone.

CONTRAINDICATIONS

Use of these implants is contraindicated in patients with the following conditions:

- Any active or suspended latent infection or marked local inflammation in or about the affected area.
- Compromised vascularity that would inhibit adequate blood supply to the fracture or the operative site.
- Bone stock compromised by disease, infection or prior implantation that cannot provide adequate support and/or fixation of the devices.
- Use of plating on or around growth plates in pediatric patients.
- Material sensitivity, documented or suspected.
- Obesity. An overweight or obese patient can produce loads on the implant that can lead to failure of the device itself.
- Patients having inadequate tissue coverage over the operative site.
- Implant utilization that would interfere with anatomical structures or physiological performance.
- Any mental or neuromuscular disorder which would create an unacceptable risk of fixation failure or complications in postoperative care.
- Other medical or surgical conditions which would preclude the potential benefit of surgery.

WARNINGS

The correct implant selection is extremely important. Failure to use the appropriate implant for the fracture condition may accelerate clinical failure. Failure to use the proper component to maintain adequate blood supply and provide rigid fixation may result in loosening, bending, cracking or fracture of the implant and/or bone. The correct implant size for a given patient can be determined by evaluating the patient's height, weight, functional demands and anatomy. Every implant must be used in the correct anatomic location, consistent with accepted standards of internal fixation.

PRECAUTIONS

The implantation of fixation devices should be performed only by experienced surgeons with specific training in the use of this system because this is a technically demanding procedure presenting a risk of serious injury to the patient. Preoperative planning and patient anatomy should be considered when selecting implant size.

Surgical implants must never be reused. Even though the device appears undamaged, it may have small defects and internal stress patterns which could lead to breakage.

MRI SAFETY INFORMATION

These devices have not been evaluated for safety and compatibility in the MR environment. It has not been tested for heating, migration, or image artifact in the MR environment. The safety of these devices in the MR environment is unknown. Scanning a patient who has this device may result in patient injury.

CAUTIONS

Pre-operative

- These implants are for single use only.
- Implants that came in contact with body fluids should never be reused.
- Ensure that all components needed for surgery are available in the surgical suite.
- Inspection is recommended prior to surgery to determine if implants have been damaged during storage.
- While rare, intra-operative fracture or breakage of instruments can occur. Instruments which have experienced excessive use or excessive force are susceptible to fracture. Instruments should be examined for wear or damage prior to surgery.

Intra-operative

- Avoid surface damage of implants.
- Discard all damaged or mishandled implants.
- Contouring or bending of an implant should be avoided where possible, because it may reduce its fatigue strength and can cause failure under load.
- Implants are available in different versions, varying for example in length, diameter, material and number of drilled holes. Select the required version carefully.
- During the course of the operation, repeatedly check to ensure that the connection between the implant and the instrument, or between the instruments, is secure.
- Implants which consist of several components must only be used in the prescribed combination (refer to the ANTHEM™ Surgical Technique Guide).
- After the procedure check the proper positioning of all implants using the image intensifier.
- Do not use components from this system in conjunction with components from any other manufacturer's system unless otherwise specified (refer to the ANTHEM™ Surgical Technique Guide).

Post-operative

- Post-operative patient activity: These implants are neither intended to carry the full load of the patient acutely, nor intended to carry a significant portion of the load for extended periods of time. For this reason post-operative instructions and warnings to patients are extremely important. External immobilization (e.g. bracing or casting) may be employed until X-rays or other procedures confirm adequate bone consolidation.
- The implant is a short-term implant. In the event of a delay in bone consolidation, or if such consolidation does not take place, or if explantation is not carried out, complications may occur, for example fracture or loosening of the implant or instability of the implant system. Regular post-operative examinations (e.g., X-ray checks) are advisable.
- The risk of post-operative complication (e.g. failure of an implant) is higher if patients are obese and/or cannot follow the recommendations of the physician because of any mental or neuromuscular disorder. For this reason those patients must have additional post-operative follow-up.
- Implant removal should be followed by adequate postoperative management to avoid fracture or refracture of the bone.

Informing the Patient

The implant affects the patient's ability to carry loads and her/his mobility and general living circumstances. The surgeon must counsel each patient individually on correct behavior and activity after the implantation.

The surgeon must warn each patient that the device cannot and does not replicate a normally healthy bone, that the device can break or become damaged as a results of strenuous activity, trauma, mal-union or non-union and that the device has a finite expected service life and may need to be removed at some time in the future.

ADVERSE EFFECTS

In many instances, adverse results may be clinically related rather than device related. The following are the most frequent adverse effects involving the use of internal fracture fixation devices:

- Delayed union or non-union of the fracture site.
- These devices can break when subjected to the increased loading associated

with delayed unions and/or non-unions. Internal fixation devices are load sharing devices which are intended to hold fracture bone surface in a position to facilitate healing. If healing is delayed or does not occur, the appliance may eventually break due to metal fatigue. Loads on the device produced by load bearing and the patient's activity level will dictate the longevity of the device.

- Conditions attributable to non-union, osteoporosis, osteomalicia, diabetes, inhibited revascularization and poor bone formation can cause loosening, bending, cracking, fracture of the device or premature loss of rigid fixation with the bone.
- Improper alignment can cause a mal-union of the bone and/or bending, cracking or even breakage of the device.
- Increased fibrous tissue response around the fracture site due to unstable comminuted fractures.
- Early or late infection, deep or superficial.
- Deep venous thrombosis.
- Avascular necrosis.
- Shortening of the effected bone/fracture site.
- Subclinical nerve damage may possibly occur as a result of the surgical trauma.
- Material sensitivity reactions in patients following surgical implantation have rarely been reported, however their significance awaits further clinical evaluation.

PACKAGING

These implants may be supplied pre-packaged and sterile, using gamma irradiation. The integrity of the sterile packaging should be checked to ensure that sterility of the contents is not compromised. Packaging should be carefully checked for completeness and all components should be carefully checked to ensure that there is no damage prior to use. Damaged packages or products should not be used, and should be returned to Globus Medical. During surgery, after the correct size has been determined, remove the products from the packaging using aseptic technique.

The instruments are provided nonsterile and are steam sterilized prior to use, as described in the STERILIZATION section below. Following use or exposure to soil, instruments and instrument trays and cases must be cleaned, as described in the CLEANING section below.

HANDLING

All instruments and implants should be treated with care. Improper use or handling may lead to damage and/or possible malfunction. Instruments should be checked to ensure that they are in working order prior to surgery.

Implants are single use devices and should not be cleaned. Re-cleaning of single use implants might lead to mechanical failure and/or material degradation. Discard any implants that may have been accidently contaminated.

CLEANING

Instruments should be cleaned separately from instrument trays and cases. Lids should be removed from cases for the cleaning process, if applicable. All instruments that can be disassembled must be disassembled for cleaning. All handles must be detached. Instruments may be reassembled following sterilization. The products should be cleaned using neutral cleaners before sterilization and introduction into a sterile surgical field or (if applicable) return of the product to Globus Medical.

Cleaning and disinfecting can be performed with aldehyde-free solvents at higher temperatures. Cleaning and decontamination must include the use of neutral cleaners followed by a deionized water rinse. Note: certain cleaning solutions such as those containing formalin, glutaraldehyde, bleach and/or other alkaline cleaners may damage some devices, particularly instruments; these solutions should not be used.

The following cleaning methods should be observed when cleaning instruments and instrument trays and cases after use or exposure to soil, and prior to sterilization:

1. Immediately following use, ensure that the instruments are wiped down to remove all visible soil and kept from drying by submerging or covering with a wet towel.
2. Disassemble all instruments that can be disassembled.
3. Rinse the instruments under running tap water to remove all visible soil. Flush the lumens a minimum of 3 times, until the lumens flush clean.
4. Prepare Enzol® (or a similar enzymatic detergent) per manufacturer's recommendations.
5. Immerse the instruments in the detergent and allow them to soak for a minimum of 2 minutes.
6. Use a soft bristled brush to thoroughly clean the instruments. Use a pipe cleaner for any lumens. Pay close attention to hard to reach areas.
7. Using a sterile syringe, draw up the enzymatic detergent solution. Flush any lumens and hard to reach areas until no soil is seen exiting the area.
8. Remove the instruments from the detergent and rinse them in running warm tap water.
9. Prepare Enzol® (or a similar enzymatic detergent) per manufacturer's recommendations in an ultrasonic cleaner.
10. Completely immerse the instruments in the ultrasonic cleaner and ensure detergent is in lumens by flushing the lumens. Sonicate for a minimum of 3 minutes.
11. Remove the instruments from the detergent and rinse them in running deionized water or reverse osmosis water for a minimum of 2 minutes.
12. Dry instruments using a clean soft cloth and filtered pressurized air.
13. Visually inspect each instrument for visible soil. If visible soil is present, then repeat cleaning process starting with Step 3.

CONTACT INFORMATION

Globus Medical may be contacted at 1-866-GLOBUS1 (456-2871). A surgical technique manual may be obtained by contacting Globus Medical.

STERILIZATION

These implants may be available sterile or nonsterile. Instruments are available nonsterile.

Sterile implants are sterilized by gamma radiation, validated to ensure a Sterility Assurance Level (SAL) of 10^{-6}. Sterile products are packaged in a heat sealed, Tyvek pouch or container/pouch, or in vacuum sealed inner/outer Nylon pouches. The expiration date is provided in the package label. These products are considered sterile unless the packaging has been opened or damaged. Sterile implants meet pyrogen limit specifications.

Nonsterile implants and instruments have been validated to ensure an SAL of 10^{-6}. The use of an FDA-cleared wrap is recommended, per the Association for the Advancement of Medical Instrumentation (AAMI) ST79, *Comprehensive Guide to Steam Sterilization and Sterility Assurance in Health Care Facilities*. It is the end user's responsibility to use only sterilizers and accessories (such as sterilization wraps, sterilization pouches, chemical indicators, biological indicators, and sterilization cassettes) that have been cleared by the FDA for the selected sterilization cycle specifications (time and temperature).

When using a rigid sterilization container, the following must be taken into consideration for proper sterilization of Globus devices and loaded graphic cases:

- Recommended sterilization parameters are listed in the table below.
- Only FDA-cleared rigid sterilization containers for use with pre-vacuum steam sterilization may be used.
- When selecting a rigid sterilization container, it must have a minimum filter area of 176 in^2 total, or a minimum of four (4) 7.5in diameter filters.
- No more than one (1) loaded graphic case or its contents can be placed directly into a rigid sterilization container.
- Stand-alone modules/racks or single devices must be placed, without stacking, in a container basket to ensure optimal ventilation.
- The rigid sterilization container manufacturer's instructions for use are to be followed; if questions arise, contact the manufacturer of the specific container for guidance.
- Refer to AAMI ST79 for additional information concerning the use of rigid sterilization containers.

For implants and instruments provided NONSTERILE, sterilization is recommended (wrapped or containerized) as follows:

Method	Cycle Type	Temperature	Exposure Time	Drying Time
Steam	Pre-vacuum	132°C (270°F)	4 Minutes	30 Minutes

These parameters are validated to sterilize only this device. If other products are added to the sterilizer, the recommended parameters are not valid and new cycle parameters must be established by the user. The sterilizer must be properly installed, maintained, and calibrated. Ongoing testing must be performed to confirm inactivation of all forms of viable microorganisms

CAUTION: Federal (USA) Law Restricts this Device to Sale by or on the order of a Physician.

DI201A-EN REV J

Notes

Notes

Globus Medical
Valley Forge Business Center
2560 General Armistead Avenue
Audubon, PA 19403
globusmedical.com

Customer Service:
Phone 1-866-GLOBUS1 (or 1-866-456-2871)
Fax 1-866-GLOBUS3 (or 1-866-456-2873)

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08.25 Rev A