ANTHEM®

Mini Fragment Fracture System

SURGICAL TECHNIQUE GUIDE

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SURGICAL TECHNIQUE GUIDE

ANTHEM® Mini Fragment Fracture System

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ANTHEM®

Mini Fragment Fracture System

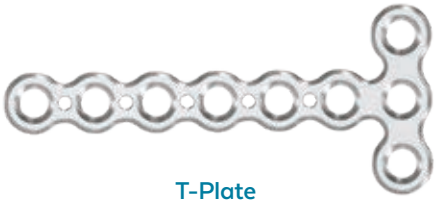
The ANTHEM® Mini Fragment Fracture System provides intraoperative versatility to treat a variety of traumatic fractures. A comprehensive set featuring versatile implant options and innovative instruments offers system efficiency and procedural ease.

Straight Plate

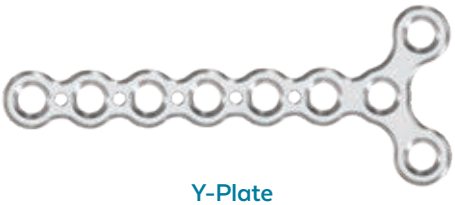
Reconstruction Plate

Condylar Plate

Tine Plate

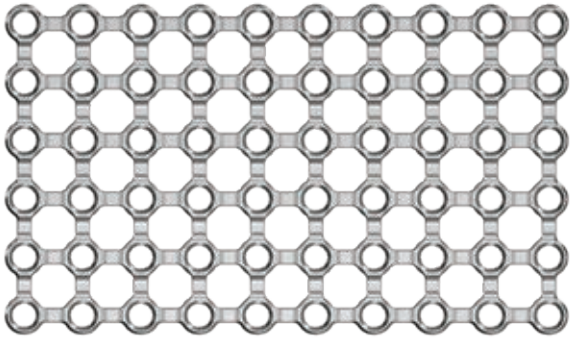


T-Plate



Y-Plate

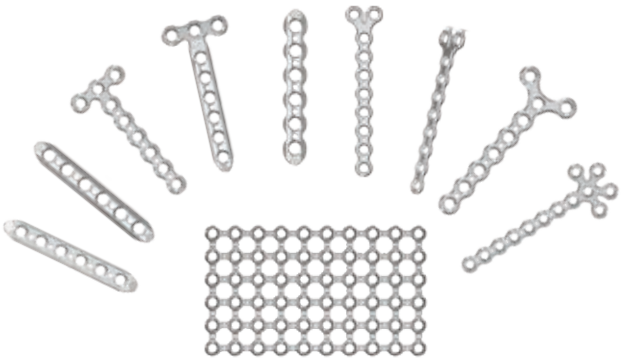
K-Plate



Mesh Plate

Comprehensive Plate Offering

- A variety of plate styles and lengths accommodate multiple anatomies and fracture patterns in small and long bones
- Featured polyaxial locking technology with ±15° angulation (30° cone)
- Offered in stainless steel or commercially pure titanium



Versatile Screw Options

- Locking and non-locking screws available in various lengths to treat a wide variety of anatomies
- Speed screws offer a self-drilling option for quick insertion

Convenient Color-Coding

- Provides straightforward and user-friendly implant selection
- Drill bits, drill guides, depth gauges, torque-limiting devices, drivers, graphic case, and modules are color-coded by diameter for easy identification
- Instruments with multiple color bands are compatible with multiple diameters

Unique Instruments

- Radiolucent retractors aid in fracture site visibility
- Speed Lock Drill Guides easily lock to the plate at the nominal screw trajectory

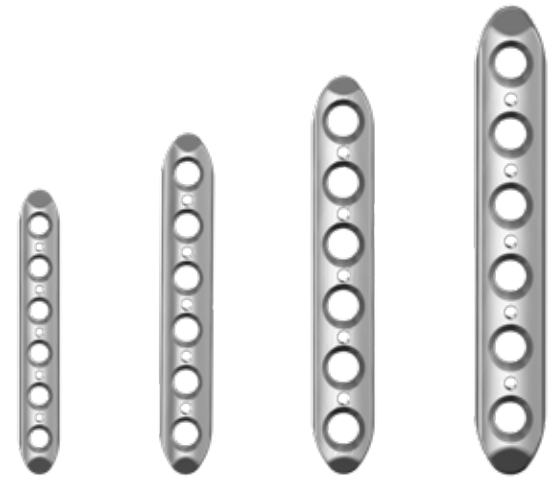
Innovative Contouring Instruments

- Mini Fragment Universal Bender facilitates in-plane and out-of-plane bending
- Bending Pliers are spring loaded for ease of use

IMPLANT OVERVIEW

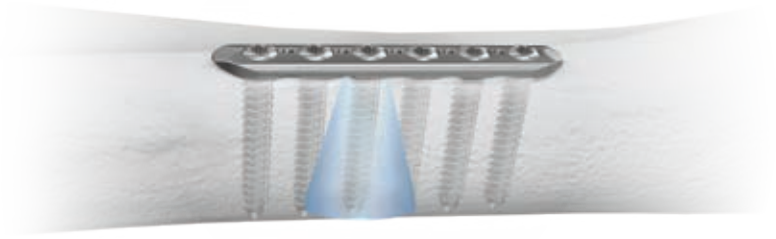
Plate Design

- Comprehensive size offerings (1.5, 2.0, 2.5, 2.5mm Plus)
- Multiple designs to treat a variety of anatomies
- Low profile to minimize soft tissue irritation
- Scalloped cuts in some plate styles to aid in plate bending
- Offered in stainless steel or commercially pure titanium



Polyaxial Holes

Locking screws allow for ±15° angulation (30° cone)



Screw Design

Drills, drill guides, and drivers color-coded to screw size

IMPLANT OVERVIEW

1.5mm Plate Offering

Straight Plates

- Plate lengths range from 21 to 39mm (4 to 8 holes)

Reconstruction Plates

- Plate lengths range from 38 to 74mm (8 to 16 holes)

Condylar Plates

- Plate length 42mm (8 holes)

Y-Plates

- Plate lengths range from 34 to 61mm (6 to 12 holes)

T-Plates

- Plate lengths range from 31 to 58mm (6 to 12 holes)

K-Plates

- Plate length 45mm (8 holes)

Tine Plates

- Plate length 43mm (8 holes)

Non-Locking Plates

- Plate length 80mm (20 holes)

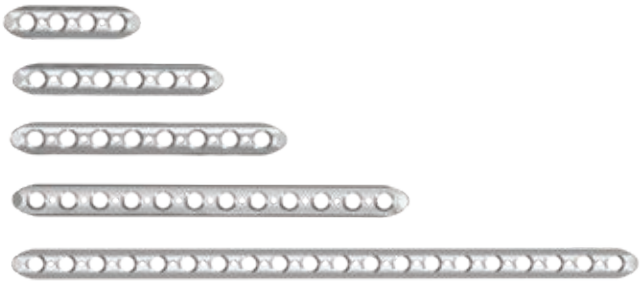
Items in gray are additionally available.

IMPLANT OVERVIEW

2.0mm Plate Offering

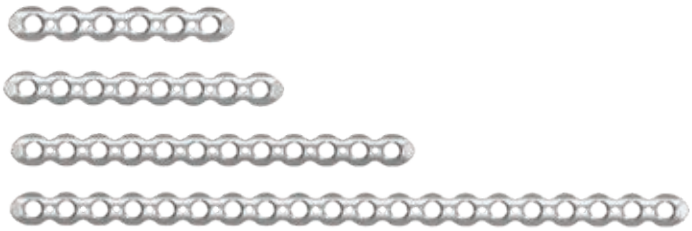
Straight Plates

- Plate lengths range from 25 to 113mm (4 to 20 holes)



Reconstruction Plates

- Plate lengths range from 35 to 112mm (6 to 20 holes)



Condylar Plates

- Plate length 51mm (8 holes)

Y-Plates

- Plate lengths range from 42 to 75mm (6 to 12 holes)

T-Plates

- Plate lengths range from 39 to 72mm (6 to 12 holes)

K-Plates

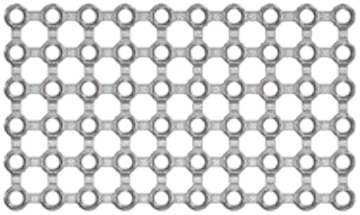
- Plate length 56mm (8 holes)

Tine Plates

- Plate length 52mm (8 holes)

Mesh Plates

- Plate size 46x78mm (6x10 holes)



Non-Locking Plates

- Plate length 100mm (20 holes)

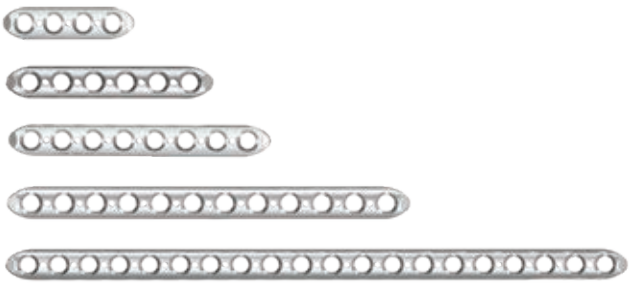
Items in gray are additionally available.

IMPLANT OVERVIEW

2.5mm Plate Offering

Straight Plates

- Plate lengths range from 29 to 133mm (4 to 20 holes)



Reconstruction Plates

- Plate lengths range from 42 to 133mm (6 to 20 holes)

Condylar Plates

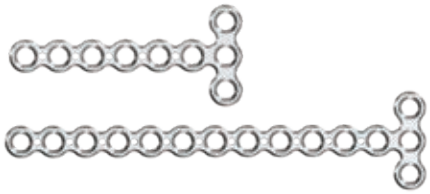
- Plate length 85mm (12 holes)

Y-Plates

- Plate lengths range from 50 to 89mm (6 to 12 holes)

T-Plates

- Plate lengths range from 46 to 85mm (6 to 12 holes)



K-Plates

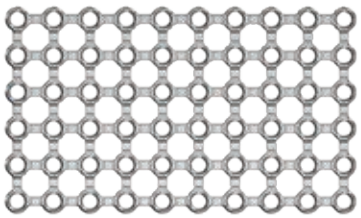
- Plate length 91mm (12 holes)

Tine Plates

- Plate length 60mm (8 holes)

Mesh Plates

- Plate size 52x88mm (6x10 holes)



Non-Locking Plates

- Plate length 120mm (20 holes)

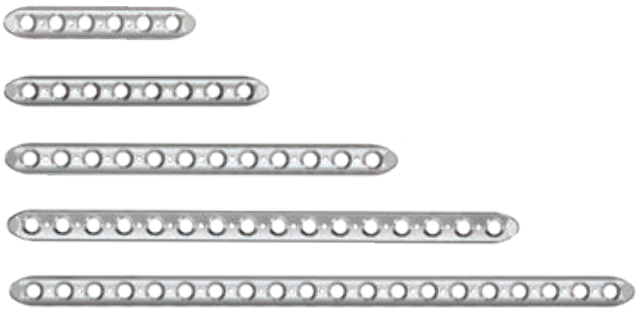
Items in gray are additionally available.

IMPLANT OVERVIEW

2.5mm Plus Plate Offering

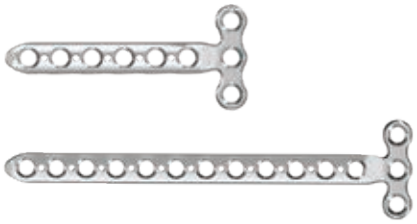
Straight Plates

- Plate lengths range from 50 to 155mm (6 to 20 holes)



T-Plates

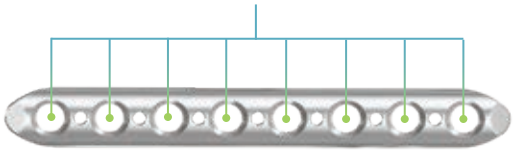
- Plate lengths range from 50 to 89mm (6 to 12 holes)



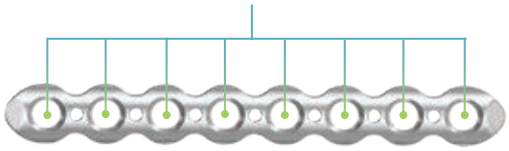
SCREW COMPATIBILITY

Screw compatibility is shown below for each plate style. If screw-plate locking is desired in a polyaxial hole, a locking screw must be used. Caution: ANTHEM® MonoAx® Locking Screws may not be used with this system because they are not intended for use in polyaxial holes.

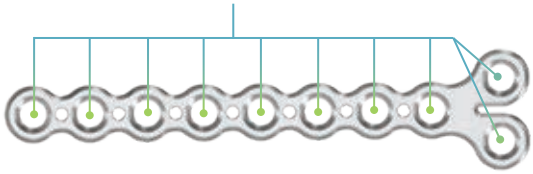
Straight Plate
Polyaxial Locking Holes



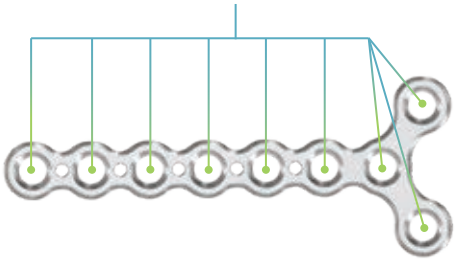
Reconstruction Plate
Polyaxial Locking Holes



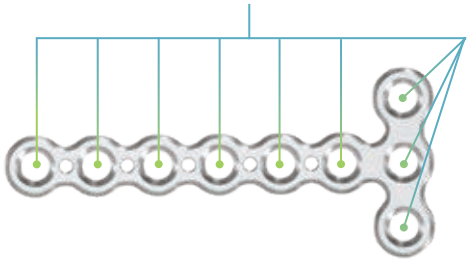
Condylar Plate
Polyaxial Locking Holes



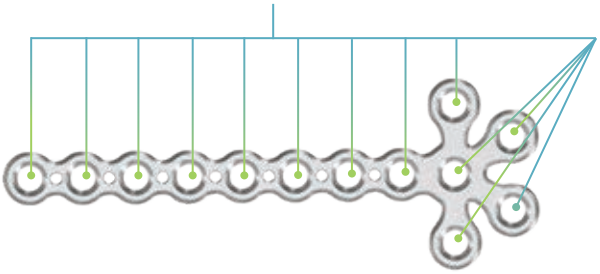
Y-Plate
Polyaxial Locking Holes



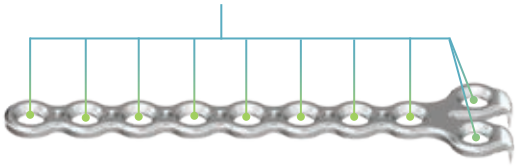
T-Plate
Polyaxial Locking Holes



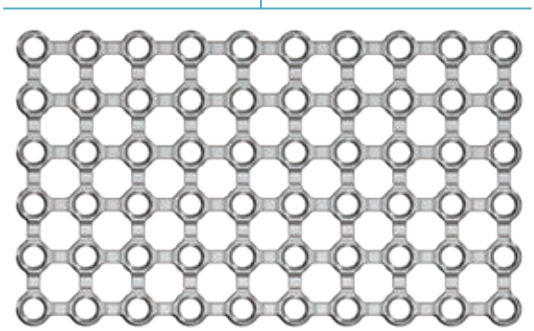
K-Plate
Polyaxial Locking Holes



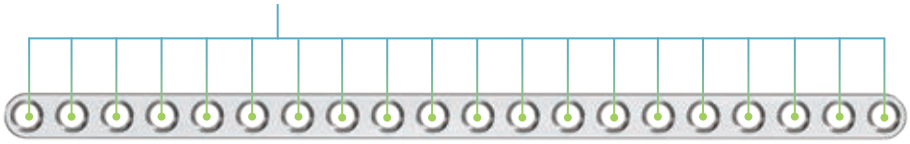
Tine Plate
Polyaxial Locking Holes



Mesh Plate
Polyaxial Locking Holes



Non-Locking Plate
Non-Locking Holes



SCREW COMPATIBILITY

1.5mm Polyaxial Locking Holes	
 1.5mm Locking Screws	
 1.5mm Non-Locking	
 1.5mm Speed Screw	

1.5mm Non-Locking Holes	
 1.5mm Non-Locking	
 1.5mm Speed Screw	

2.0mm Polyaxial Locking Holes	
 2.0mm Locking Screws	
 2.0mm Non-Locking	
 2.0mm Speed Screw	

2.0mm Non-Locking Holes	
 2.0mm Non-Locking	
 2.0mm Speed Screw	

2.5mm Polyaxial Locking Holes	
 2.5mm Locking Screws	
 2.5mm Non-Locking	
 2.5mm Speed Screw	

2.5mm Non-Locking Holes	
 2.5mm Non-Locking	
 2.5mm Speed Screw	

SURGICAL TECHNIQUE

ANTHEM®
Mini Fragment Fracture System

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

STEP 1 PREOPERATIVE PLANNING

Assess the fracture using preoperative radiographs. Estimate the appropriate length and location of screws to ensure proper selection of plate type, plate position, and screw placement.

STEP 2 PATIENT POSITIONING AND APPROACH

Place the patient in the desired operative position. Create an incision to access the fracture site.

STEP 3 FRACTURE REDUCTION

Reduce the fracture using the appropriate method for the type of fracture. The fracture may be reduced and provisionally fixed using reduction forceps, K-wires, or interfragmentary screws. Ensure that bone length, alignment and rotation are properly restored.

Confirm reduction using fluoroscopy. Reduction instruments should be placed so as not to interfere with final plate placement.

Consider interfragmentary fixation prior to plate placement.

FRACTURE REDUCTION (CONT'D)

Lag Screw Placement

Lag screw fixation may be useful for interfragmentary compression across the fracture prior to plate placement. For successful compression, the screw threads must only engage the far cortex (unicortical). If the screw threads engage both cortices (bicortical), compression is prevented.

1.5mm Non-Locking Lag Screw

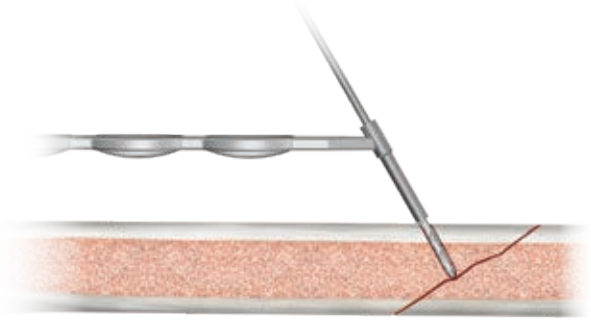
With the fracture reduced, drill the near cortex using the **1.5mm Drill Bit** and the **1.5mm Soft Tissue Protector**. Drill the far cortex using the **1.1mm Drill Bit**. Measure hole depth using the **1.5mm Depth Gauge**. Select and place the desired 1.5mm Non-Locking Screw using the **T4 Driver** with the **Hex Connection Quick-Connect Handle**.

2.0mm Non-Locking Lag Screw

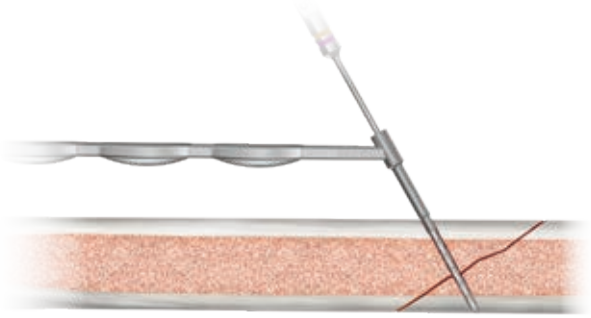
With the fracture reduced, drill the near cortex using the **2.0mm Drill Bit** and the **2.0mm Soft Tissue Protector**. Drill the far cortex using the **1.5mm Drill Bit**. Measure hole depth using the **2.0mm Depth Gauge**. Select and place the desired 2.0mm Non-Locking Screw using the **T6 Driver** with the **Quick-Connect Handle**.

2.5mm Non-Locking Lag Screw

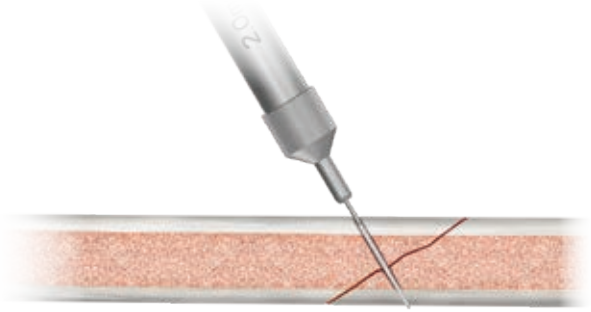
With the fracture reduced, drill the near cortex using the **2.5mm Drill Bit** and the **2.5mm Soft Tissue Protector**. Drill the far cortex using the **1.8mm Drill Bit**. Measure hole depth using the **2.5mm Depth Gauge**. Select and place the desired 2.5mm Non-Locking Screw using the **T8 Driver** with the Quick-Connect Handle.



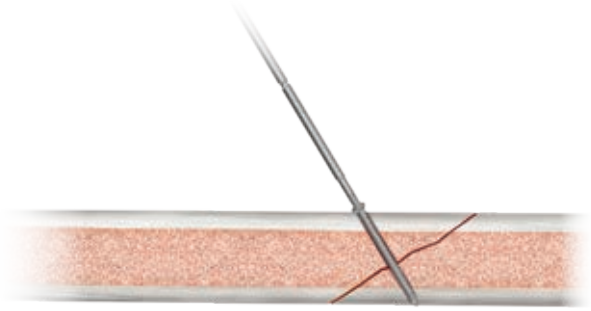
Drilling near cortex with drill sleeve



Drilling far cortex with drill sleeve



Measuring depth



Lag screw placement

STEP 4 PLATE SELECTION AND POSITIONING

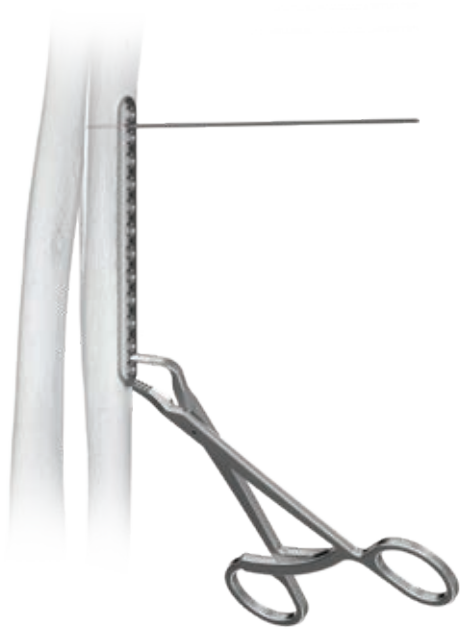
Select the appropriate plate size, type and length based on the fracture type, fracture location, screw size and patient anatomy.

Mini fragment plates may be cut or bent to fit specific patient anatomy. Minor plate contouring can be achieved by hand, or by using bending instruments. Plate length and shape can be modified to accommodate specific anatomy and fracture patterns using plate cutting instruments.

Position the desired plates on the bone. Confirm plate placement using fluoroscopy or palpation of the plate's relationship to the bony structures. **K-wires** or **Reduction Clamps** may be used to preliminarily fix the plate to the bone. K-wires may be inserted through the K-wire holes in the plate.

Positioning with K-wire

Positioning with Reduction Clamp



Positioning with K-wire and Reduction Clamp

PLATE K-WIRE HOLES

Plates feature K-wire holes for provisional fixation.

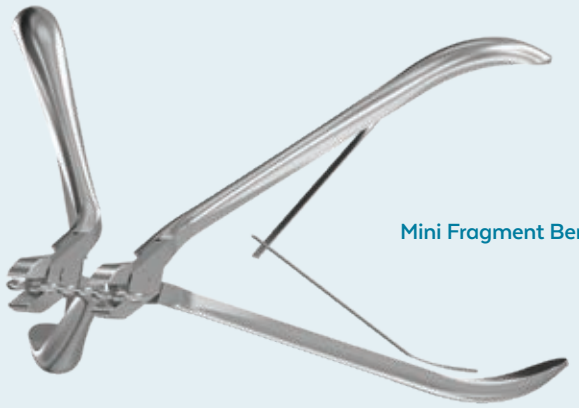
Plate Size	K-Wire Size
1.5mm	0.8mm
2.0mm	1.1mm
2.5mm 2.5mm Plus	1.25mm

BENDING AND CUTTING INSTRUMENTS

Plate bending may be necessary based on patient anatomy. Using **Plate Bending Pliers** or the **Universal Bender**, contour the plate as needed.

Note: Avoid excessive bending, over-contouring, bending and unbending, reverse bending, and bending directly over screw holes, which may compromise plate strength or screw locking, resulting in construct failure.

Mini Fragment Plate Bending Pliers feature spring-loaded handles for ease of handling and plate manipulation.



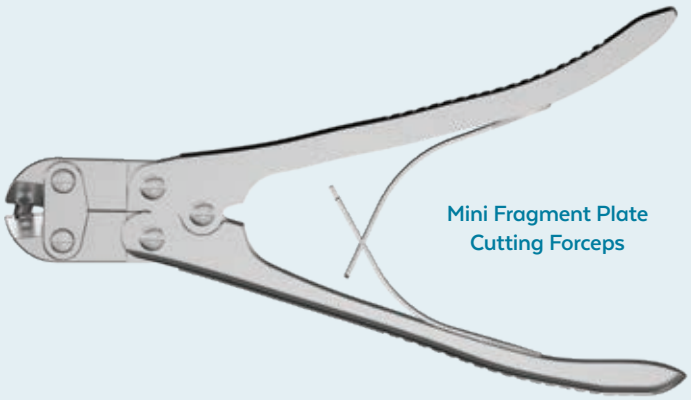
Mini Fragment Bending Pliers

The **Mini Fragment Universal Bender** provides additional options for plate contouring. In-plane and out-of-plane bending is achieved using posts on the front of the clamp. The center post may be rotated to the corresponding plate size.

Universal Bender
In-plane bending

Universal Bender
Out-of-plane bending

Mini Fragment Plate Cutting Forceps may be used to cleanly cut a plate to the desired length.



Mini Fragment Plate Cutting Forceps

STEP 5 SCREW INSERTION

Determine the appropriate screw type for fixation. Select the corresponding drill for the screw, if the screw requires a predrilled hole. Place the desired screws into the bone using the corresponding driver. Use a torque-limiting driver for locking screws. Torque limits for each screw diameter are provided on page 28. The number of screws is determined by the fracture pattern, morphology, and bone quality. In osteoporotic bone, more screws may be required.

Avoid over-penetration of drills and screws during screw insertion. Use care when inserting speed screws in smaller anatomies to avoid over-penetration of the sharp self-drilling tip.

1.5mm Screws

Using the 1.1mm Drill Bit and selected drill guide, drill the desired screw hole to the appropriate depth.

1.5mm Drill Guide Options

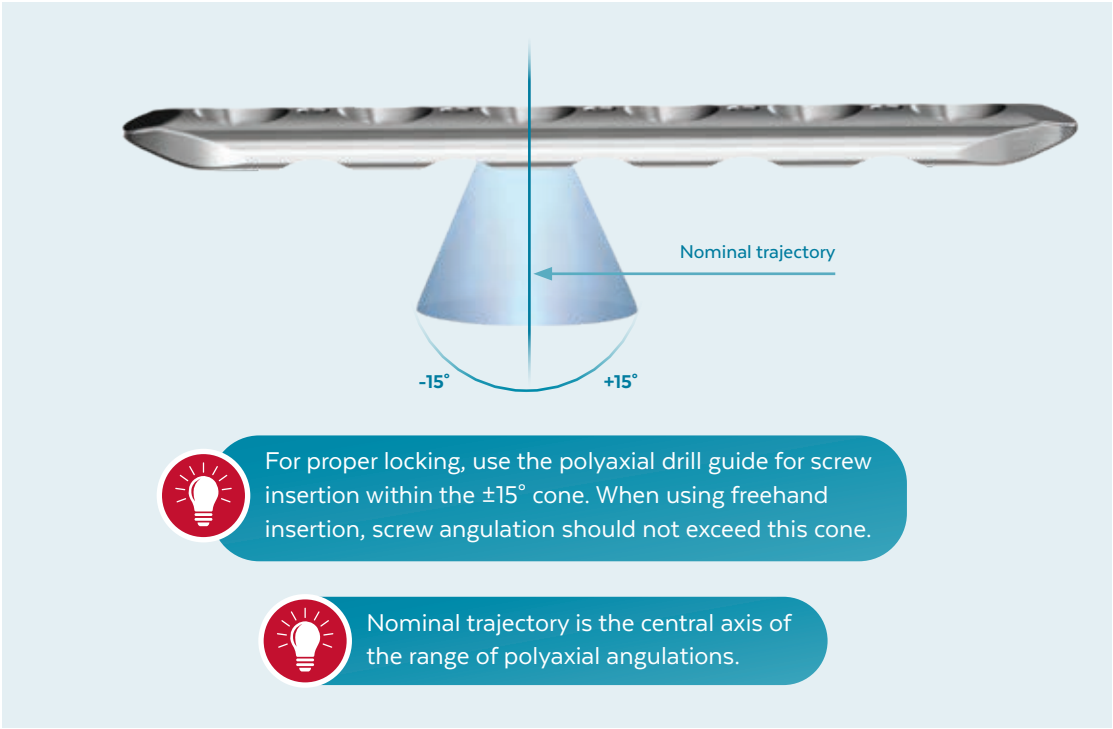
1.1mm Polyaxial Soft Tissue Protector

This instrument allows for a 30° cone of screw angulation (±15°) on the polyaxial side and a nominal trajectory on the nominal side.

Nominal trajectory with
1.1mm Polyaxial Soft Tissue Protector

Polyaxial trajectory with
1.1mm Polyaxial Soft Tissue Protector

SCREW INSERTION (CONT'D)



1.5mm Soft Tissue Protector

This instrument allows for non-locking screw insertion with a 1.1mm pre-drill. It also accommodates lag-by-technique for 1.5mm screws with a 1.1mm pre-drill and 1.5mm over-drill. Use care when placing the 1.5mm Soft Tissue Protector through a polyaxial plate hole, so as to angulate the screw within the 30° cone.

Using 1.5mm Soft Tissue Protector

Measure screw length using the 1.5mm Depth Gauge. Use the T4 Driver or **Screw Holding Forceps** to select the desired screw. Verify screw length and diameter using the gauges within the screw module. Screws may be inserted manually or under power. Use care when inserting screws under power so as not to damage the driver tip. The **1.5mm Screw Retention Sleeve** may be used for additional screw retention.

Measuring screw length using 1.5mm Depth Gauge

If locking screws are inserted, use the **0.4Nm Torque-Limiting Attachment** to ensure proper tightening torque and to prevent damage to the screwdriver tip. If screws are inserted under power, final tightening should be performed manually to prevent screw stripping or screwdriver damage. Use care while final tightening, as excessive torque may damage the screwdriver tip.

Tightening using 0.4Nm Torque-Limiting Attachment

SCREW INSERTION (CONT'D)

1.5mm SCREW RETENTION SLEEVE

This instrument allows for definitive screw retention. To assemble, slide the T4 Driver through the back of the 1.5mm Screw Retention Sleeve. With the T4 Driver tip exposed, engage the screw socket and slide the screw retention sleeve over the screw head to retain the screw. Prior to the screw contacting the plate or bone surface during insertion, pull back on the screw retention sleeve, exposing the screw head to allow for final tightening.

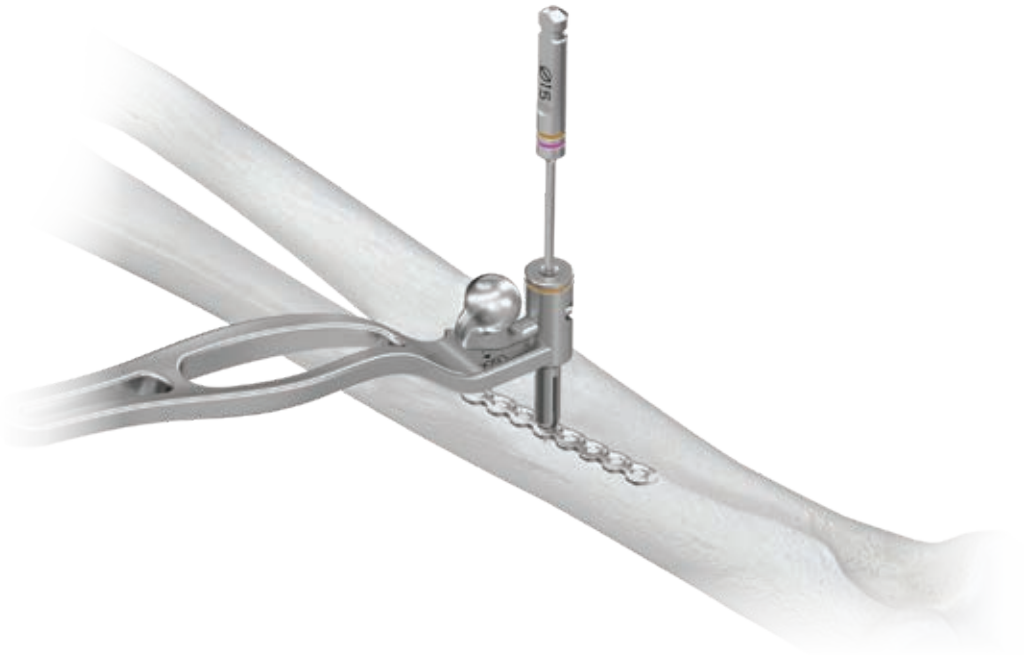
2.0mm Screws

Using the 1.5mm Drill Bit and selected 1.5mm drill guide, drill the desired screw hole to the appropriate depth.

2.0mm Drill Guide Options

1.5mm Speed Lock Drill Guide

This drill guide may be used to drill nominal trajectories. The thumb lock locks the drill guide to the plate at the nominal trajectory.

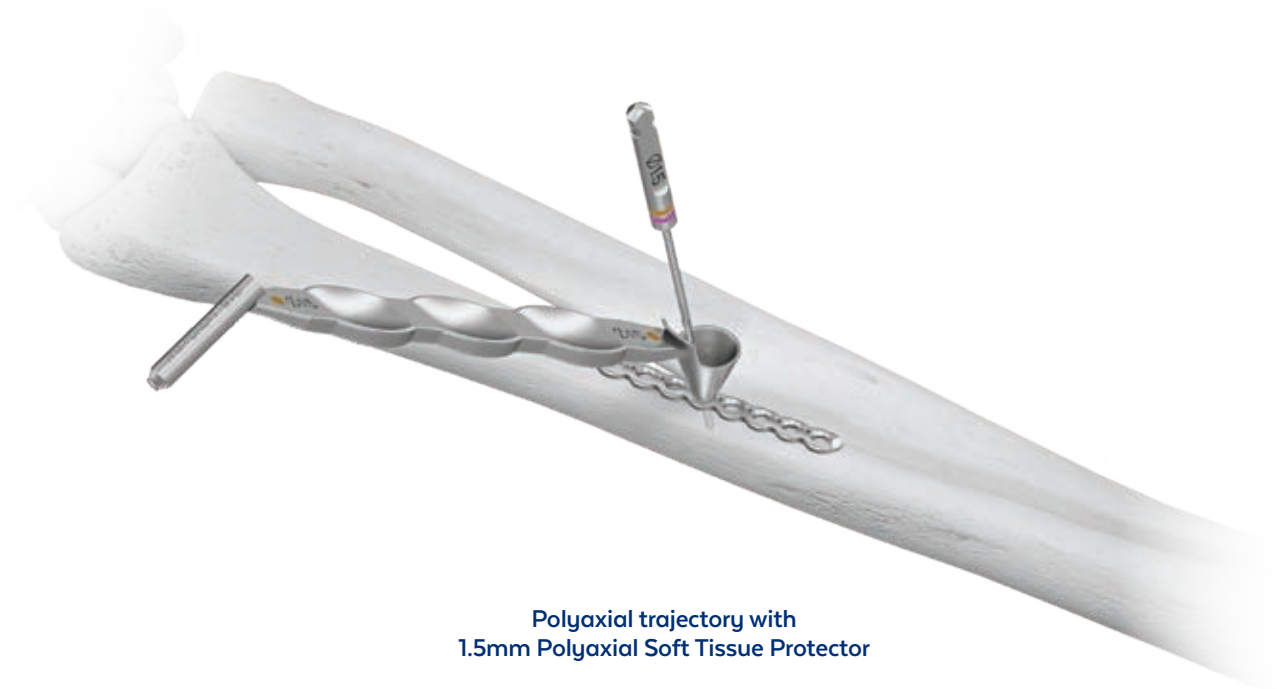


Nominal trajectory using 1.5mm Speed Lock Drill Guide

1.5mm Polyaxial Soft Tissue Protector

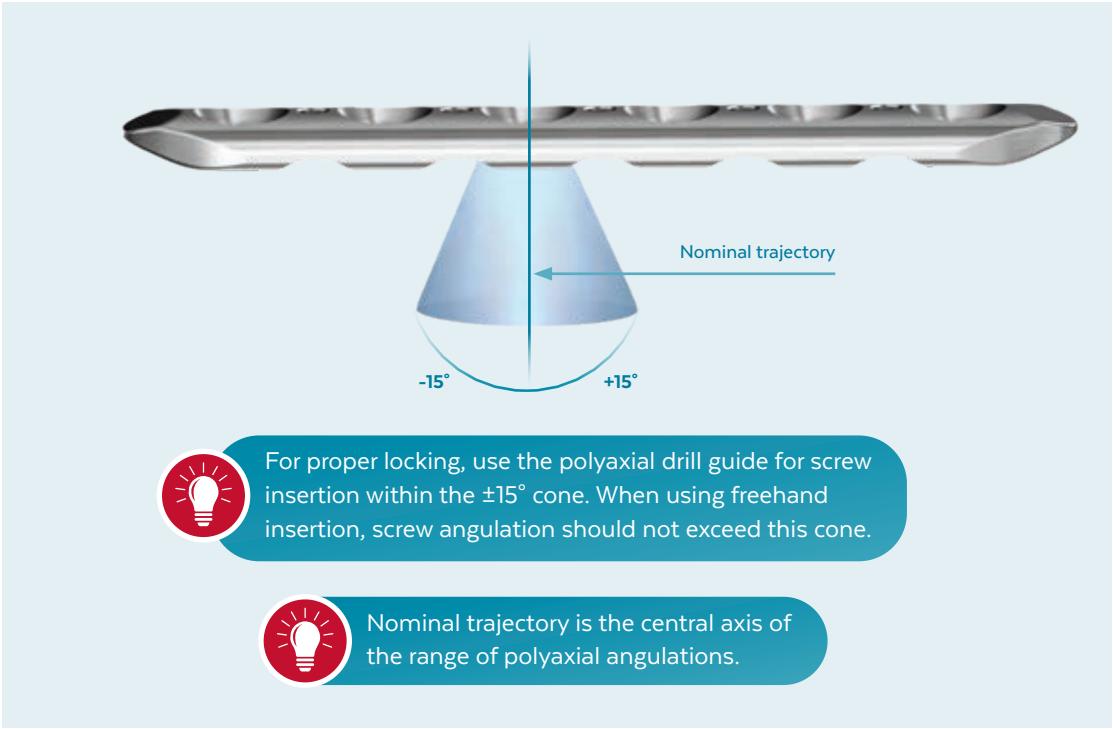
This instrument allows for a 30° cone of screw angulation (±15°) on the polyaxial side and nominal trajectory on the nominal side.

Nominal trajectory with
1.5mm Polyaxial Soft Tissue Protector



Polyaxial trajectory with
1.5mm Polyaxial Soft Tissue Protector

SCREW INSERTION (CONT'D)



2.0mm Soft Tissue Protector

This instrument allows for non-locking screw insertion with a 1.5mm pre-drill. It also accommodates lag-by-technique for 2.0mm screws with a 1.5mm pre-drill and 2.0mm over-drill. Use care while using the 2.0mm Soft Tissue Protector through a polyaxial plate hole, so as to angulate the screw within the 30° cone.

Using 2.0mm Soft Tissue Protector

Measure screw length using the 2.0mm Depth Gauge. Use the T6 Driver or Screw Holding Forceps to select the desired screw. Verify screw length and diameter using the gauges within the screw module.

Measuring screw length using 2.0mm Depth Gauge

Screws may be inserted manually or under power. If locking screws are inserted under power, final tightening should be performed manually with the **0.8Nm Torque-Limiting Handle** to prevent screw stripping or screwdriver damage. Use care while final tightening, as excessive torque may damage the screwdriver tip.

Tightening using 0.8Nm Torque-Limiting Handle

SCREW INSERTION (CONT'D)

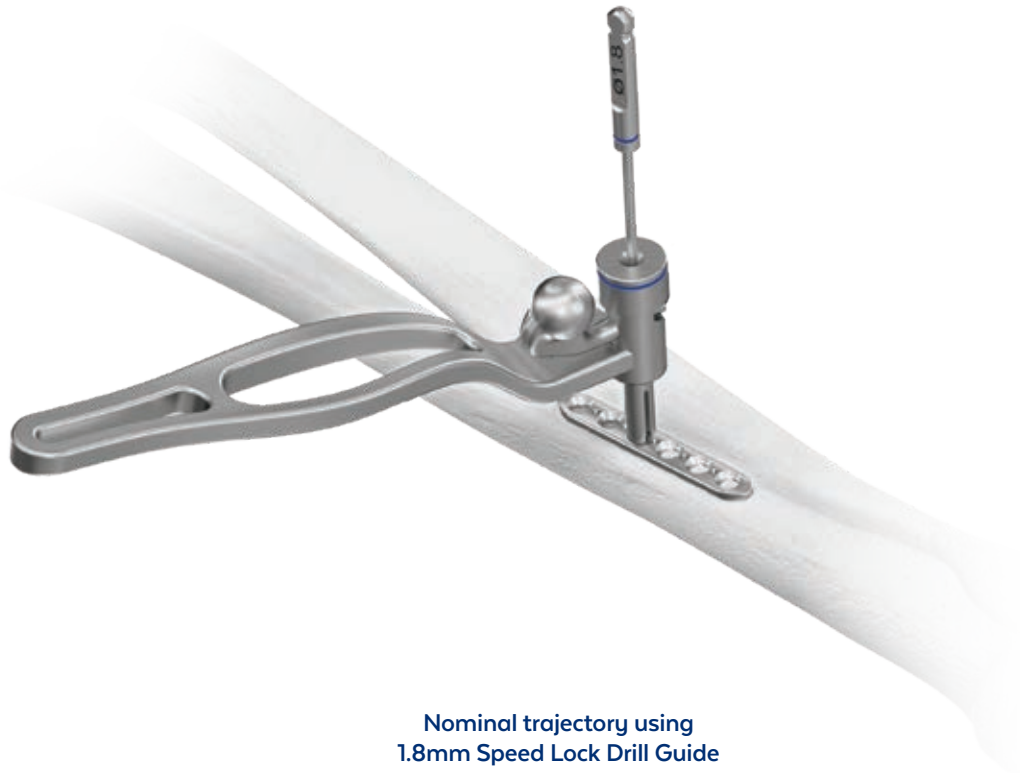
2.5mm Screws

Using the 1.8mm Drill Bit and selected 1.8mm drill guide, drill the desired screw hole to the appropriate depth.

2.5mm Drill Guide Options

1.8mm Speed Lock Drill Guide

This drill guide may be used to drill nominal trajectories. The thumb lock locks the drill guide to the plate at the nominal trajectory.



Nominal trajectory using 1.8mm Speed Lock Drill Guide

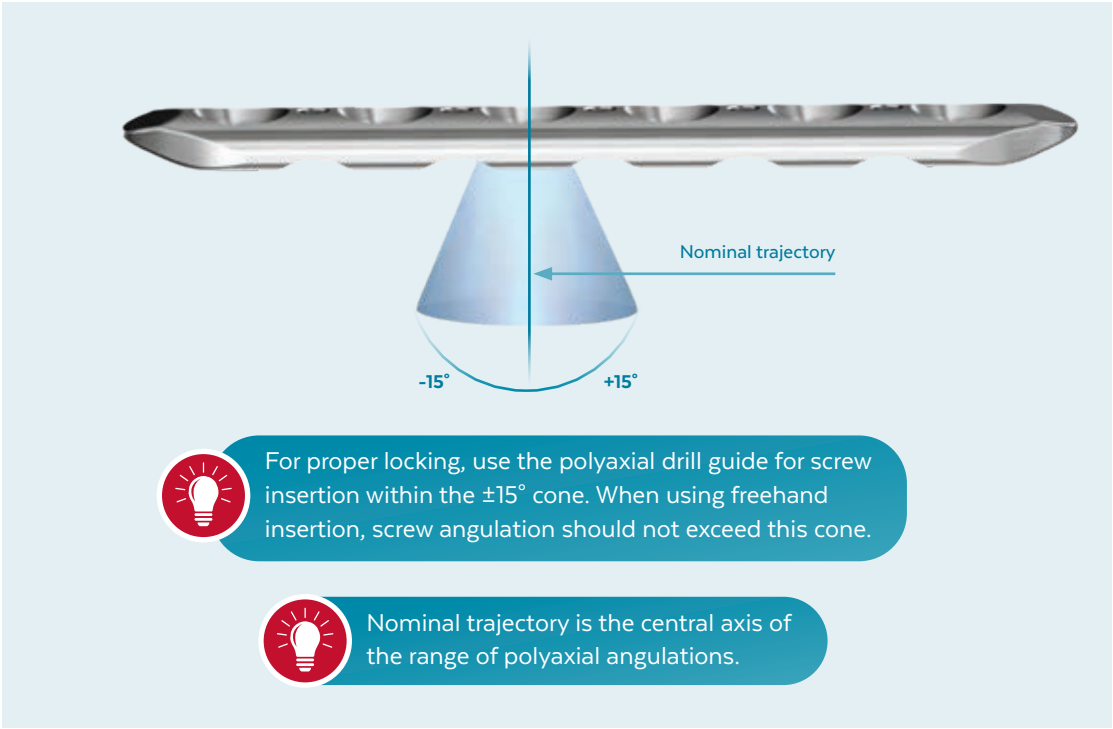
1.8mm Polyaxial Soft Tissue Protector

This instrument allows for a 30° cone of screw angulation (±15°) on the polyaxial side and nominal trajectory on the nominal side.

Nominal trajectory with
1.8mm Polyaxial Soft Tissue Protector

Polyaxial trajectory with
1.8mm Polyaxial Soft Tissue Protector

SCREW INSERTION (CONT'D)



2.5mm Soft Tissue Protector

This instrument allows for non-locking screw insertion with a 1.8mm pre-drill. It also accommodates the lag screw technique for 2.5mm screws with a 1.8mm pre-drill and 2.5mm over-drill. Use care while using the 2.5mm Soft Tissue Protector through a polyaxial plate hole, so as to angulate the screw within the 30° cone.

Using 2.5mm Soft Tissue Protector

Measure screw length using the 2.5mm Depth Gauge. Use the T8 Driver or Screw Holding Forceps to select the desired screw. Verify screw length and diameter using the gauges within the screw module.

Measuring screw length using 2.5mm Depth Gauge

Screws may be inserted using the **2.0Nm Torque-Limiting Attachment** manually or under power. If screws are inserted under power, final tightening should be performed manually. Use care while final tightening, as excessive torque may damage the screwdriver tip.

Tightening using 2.0Nm Torque-Limiting Handle

SCREW INSERTION (CONT'D)

Torque-limiting devices should be used for final tightening of locking screws. The table below specifies the torque limit for each plate size.

COLOR-CODED INSTRUMENTS

Drills, drill guides, and drivers are color-coded to the screw size.

Color	Plate Size	Screw Diameter	Drill Diameter	Polyaxial Drill Guide (Polyaxial Soft Tissue Protector)	Drill Guide (Soft Tissue Protector)	Lag by Technique Over-Drill Diameter	Driver	Torque Limit
Pink	1.5mm	1.5mm Locking, Non-Locking, and Speed	1.1mm	1.1mm	1.1 / 1.5mm	1.5mm	T4	0.4Nm
Bronze	2.0mm	2.0mm Locking, Non-Locking, and Speed	1.5mm	1.5mm	1.5 / 2.0mm	2.0mm	T6	0.8Nm
Blue	2.5mm 2.5mm Plus	2.5mm Locking, Non-Locking, and Speed	1.8mm	1.8mm	1.8 / 2.5mm	2.5mm	T8	2.0Nm

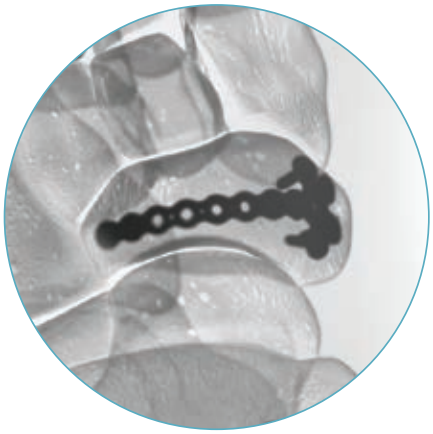
SPEED SCREWS

Self-drilling speed screws may be used for unicortical fixation. These screws are available in 1.5, 2.0, and 2.5mm diameters.

STEP 6 VERIFY PLACEMENT

Using fluoroscopy, direct visualization, and palpation, verify correct reduction and fixation. Confirm screw placement, screw trajectories, and joint reconstruction in all planes, as angulation and trajectory may be difficult to visualize.

Y-Plate and T-Plate



K-Plate

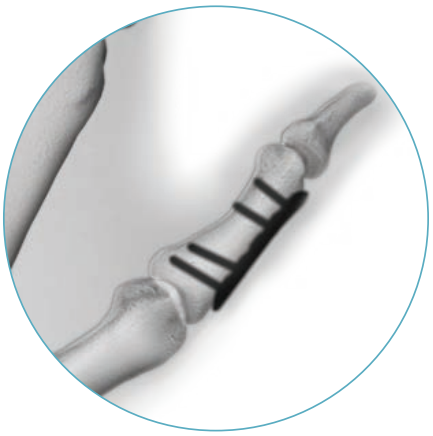
Condylar Plate, T-Plate, and Y-Plate

Tine Plate and T-Plus Plate

VERIFY PLACEMENT (CONT'D)

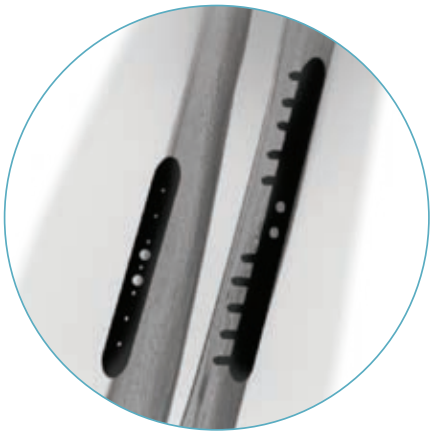
T-Plate

Reconstruction Plate



Straight Plate

Condylar Plate and T-Plus Plate



Straight Plates

Condylar Plate

HAND/FOREARM FINAL CONSTRUCTS

FOOT/ANKLE FINAL CONSTRUCTS

OPTIONAL: REMOVAL

Use the T4 Driver for 1.5mm screws, the T6 Driver for 2.0mm screws, or the T8 Driver for 2.5mm screws to unlock the locking screws from the plate, but do not remove the screws. This prevents simultaneous rotation of the plate during removal. Once all locking screws are unlocked, remove all remaining screws from the plate using the T4, T6, or T8 Driver. Once all screws are removed, the plate may be removed.

INSTRUMENT OVERVIEW

RETRACTORS

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

Radiolucent Hohmann Retractor, 8mm 6179.7014

Radiolucent Hohmann Retractor, 16mm 6179.7015

REDUCTION INSTRUMENTS

0.8mm K-Wire, Trocar Tip, 150mm 6188.1108

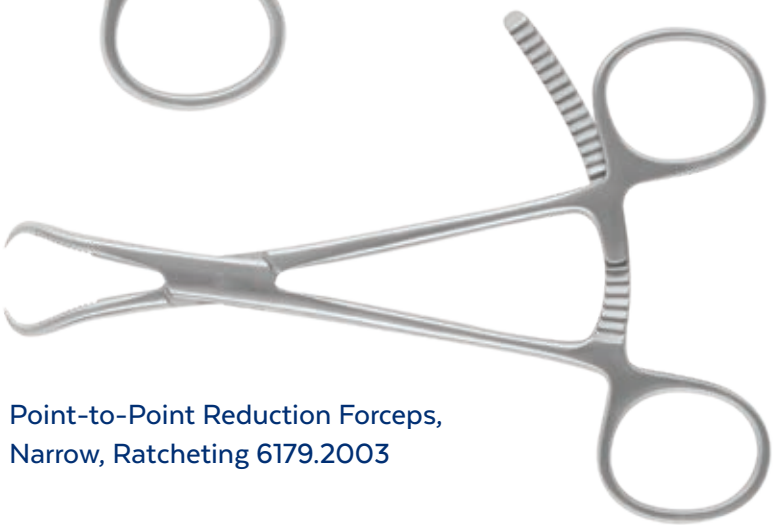
1.1mm K-Wire, Trocar Tip, 150mm 6188.1111

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

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

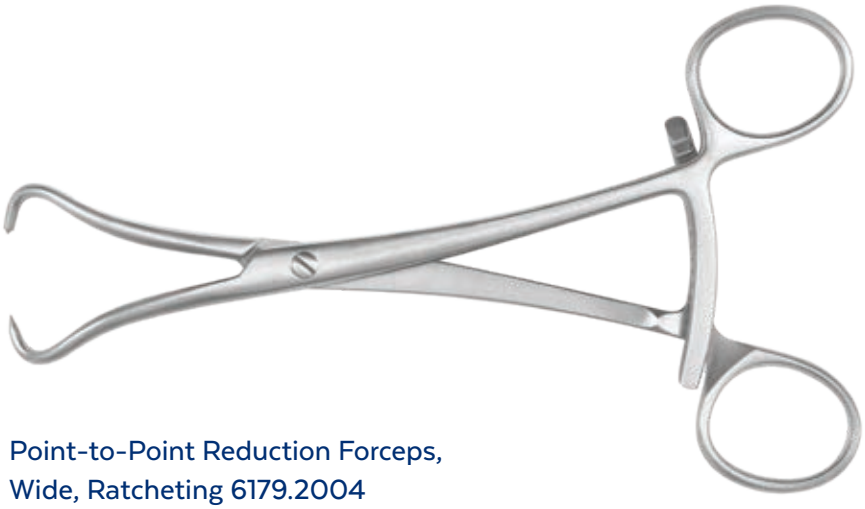
2.0mm K-Wire, Trocar Tip, 150mm 6179.1120

Lobster Claw Reduction Forceps,
Ratcheting 6179.2001



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

REDUCTION INSTRUMENTS (CONT'D)



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

Point-to-Point Reduction Forceps,
Mini, Ratcheting 6181.7012

Plate Positioning Tool 6171.7007

Dental Pick, Curved Tip, Large Handle 6179.7025

Periosteal Elevator, Curved Round Tip, 6mm 6179.7019

SCREW PREPARATION INSTRUMENTS

- 1.5mm Soft Tissue Protector 6181.3115

- 2.0mm Soft Tissue Protector 6181.3120

- 2.5mm Soft Tissue Protector 6181.3125

- 1.1mm Polyaxial Soft Tissue Protector 6181.3711

- 1.5mm Polyaxial Soft Tissue Protector 6181.3715

- 1.8mm Polyaxial Soft Tissue Protector 6181.3718

SCREW PREPARATION INSTRUMENTS (CONT'D)

● 1.5mm Speed Lock Drill Guide 6181.3215

● 1.8mm Speed Lock Drill Guide 6171.3218

● 1.1mm Drill Bit, 80mm, AO Quick-Connect 6181.5011

● ● 1.5mm Drill Bit, 85mm, AO Quick-Connect 6181.5015

● 1.8mm Drill Bit, 100mm, AO Quick-Connect 6171.5018

● 2.0mm Drill Bit, 100mm, AO Quick-Connect 6181.5020

● 2.5mm Drill Bit, 110mm, AO Quick-Connect 6181.5025

● ● 1.5mm Drill Bit, 125mm, AO Quick-Connect 6181.5215

● 1.8mm Drill Bit, 155mm, AO Quick-Connect 6181.5218

SCREW PREPARATION INSTRUMENTS (CONT'D)

1.5mm, 2.0mm, 2.5mm Countersink, AO Quick-Connect 6181.7006

1.5mm Depth Gauge, 30mm 6181.7015

2.0mm Depth Gauge, 60mm 6181.7020

2.5mm Depth Gauge, 90mm 6181.7025

Small Handle, Short, AO Quick-Connect 6188.7000

Mini Handle, 2.5mm Hex Connection 6181.7013

SCREW INSERTION INSTRUMENTS

Screw Holding Forceps 6188.2015

- T4 Driver, SR, 90mm, 2.5mm Hex Connection 6181.6014

- 1.5mm Screw Retention Sleeve 6181.7115

- 1.5mm Torque-Limiting Attachment 0.4Nm, 2.5mm Hex Connection 6181.7010

- T6 Driver, SR, 90mm, AO Quick-Connect 6181.6216

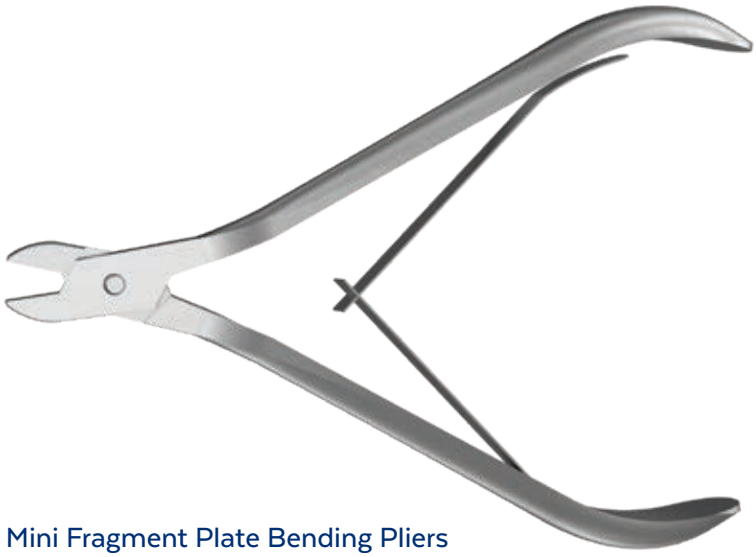
- 2.0mm Torque-Limiting Handle, 0.8Nm, AO Quick-Connect 6181.7017

SCREW INSERTION INSTRUMENTS (CONT'D)

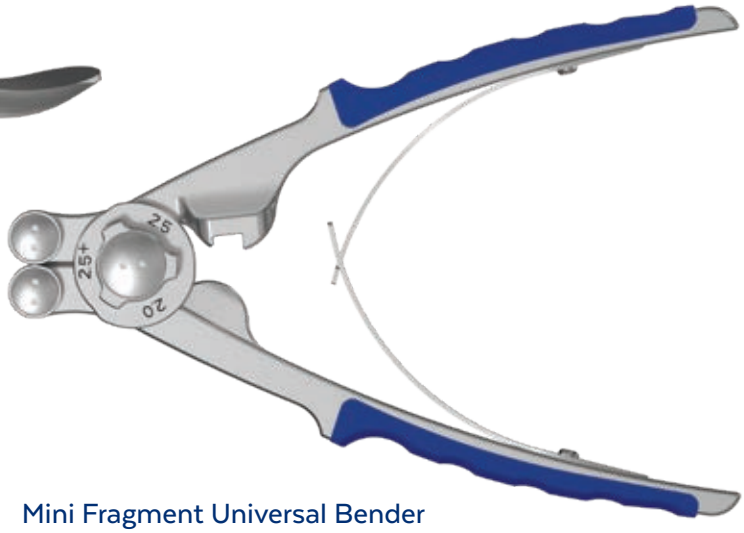
- T8 Driver, SR, 100mm, AO Quick-Connect 6179.6008

- 2.5mm Torque-Limiting Handle, 2.0Nm, AO Quick-Connect 6181.7016

PLATE MODIFICATION INSTRUMENTS



Mini Fragment Plate Bending Pliers
6181.7003



Mini Fragment Universal Bender
6181.7011

PLATE MODIFICATION INSTRUMENTS (CONT'D)

Mini Fragment Plate Cutting Forceps 6181.7001

ADDITIONALLY AVAILABLE INSTRUMENTS

0.8mm K-Wire, Drill Tip, 150mm 6181.1408

1.1mm K-Wire, Drill Tip, 150mm 6181.1411

1.25mm K-Wire, Drill Tip, 150mm 6181.1413

1.6mm K-Wire, Drill Tip, 150mm 6170.1016

2.0mm K-Wire, Drill Tip, 150mm 6181.1420

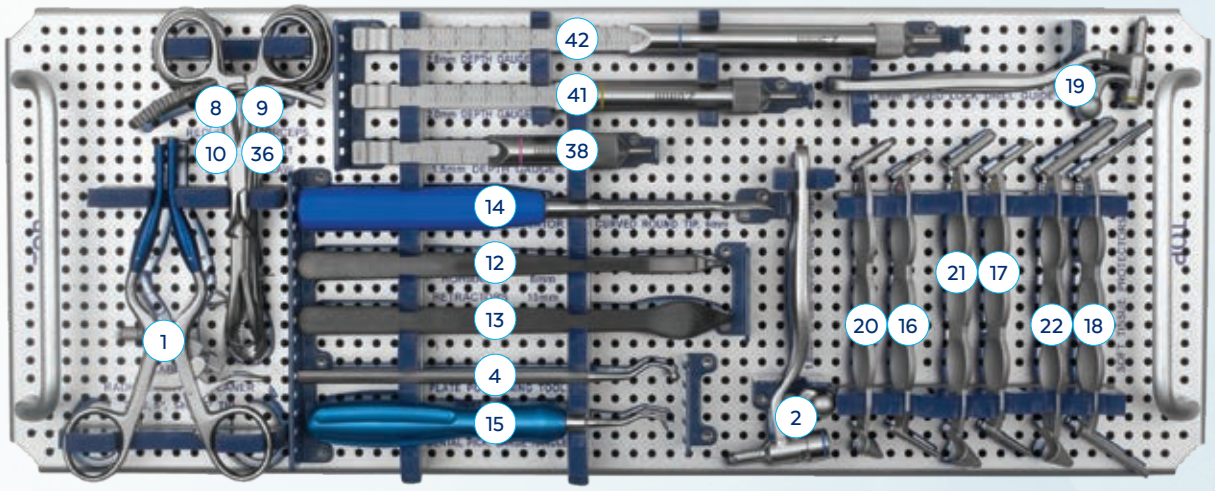
ANTHEM® Mini Fragment Fracture System
Instrument Set 9181.9001 and 9181.9002

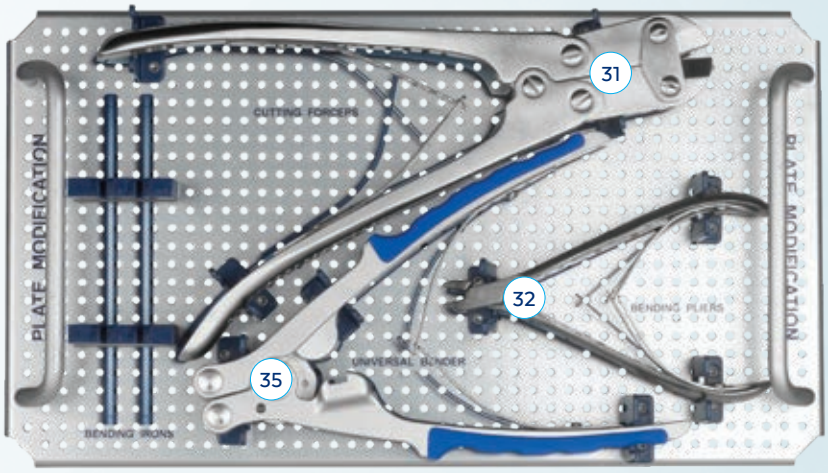
	Part No.	Description	Qty
1	6171.0001	Stabilizing Radiolucent Weitlaner, 2x3, 5", Sharp Tip	1
2	6171.3218	1.8mm Speed Lock Drill Guide	1
3	6171.5018	1.8mm Drill Bit, 100mm, AO Quick-Connect	2
4	6171.7007	Plate Positioning Tool	1
5	6179.1113	1.25mm K-Wire, Trocar Tip, 150mm	6
6	6179.1116	1.6mm K-Wire, Trocar Tip, 150mm	6
7	6179.1120	2.0mm K-Wire, Trocar Tip, 150mm	6
8	6179.2001	Lobster Claw Reduction Forceps, Ratcheting	1
9	6179.2003	Point-to-Point Reduction Forceps, Narrow, Ratcheting	1
10	6179.2004	Point-to-Point Reduction Forceps, Wide, Ratcheting	1
11	6179.6008	T8 Driver, SR, 100mm, AO Quick-Connect	3
12	6179.7014	Radiolucent Hohmann Retractor, 8mm	1
13	6179.7015	Radiolucent Hohmann Retractor, 16mm	1
14	6179.7019	Periosteal Elevator, Curved Round Tip, 6mm	1
15	6179.7025	Dental Pick, Curved Tip, Large Handle	1
16	6181.3115	1.5mm Soft Tissue Protector	1
17	6181.3120	2.0mm Soft Tissue Protector	1
18	6181.3125	2.5mm Soft Tissue Protector	1
19	6181.3215	1.5mm Speed Lock Drill Guide	1
20	6181.3711	1.1mm Polyaxial Soft Tissue Protector	1
21	6181.3715	1.5mm Polyaxial Soft Tissue Protector	1
22	6181.3718	1.8mm Polyaxial Soft Tissue Protector	1
23	6181.5011	1.1mm Drill Bit, 80mm, AO Quick-Connect	2
24	6181.5015	1.5mm Drill Bit, 85mm, AO Quick-Connect	2
25	6181.5020	2.0mm Drill Bit, 100mm, AO Quick-Connect	2
26	6181.5025	2.5mm Drill Bit, 110mm, AO Quick-Connect	2
27	6181.5215	1.5mm Drill Bit, 125mm, AO Quick-Connect	2
28	6181.5218	1.8mm Drill Bit, 155mm, AO Quick-Connect	2
29	6181.6014	T4 Driver, SR, 90mm, 2.5mm Hex Connection	3
30	6181.6216	T6 Driver, SR, 90mm, AO Quick-Connect	3
31	6181.7001	Mini Fragment Plate Cutting Forceps	1
32	6181.7003	Mini Fragment Plate Bending Plier	2
33	6181.7006	1.5mm, 2.0mm, and 2.5mm Countersink, AO Quick-Connect	1
34	6181.7010	1.5mm Torque-Limiting Attachment 0.4Nm, 2.5mm Hex Connection	1
35	6181.7011	Mini Fragment Universal Bender	1
36	6181.7012	Point-to-Point Reduction Forceps, Mini, Ratcheting	1
37	6181.7013	Mini Handle, 2.5mm Hex Connection	2
38	6181.7015	1.5mm Depth Gauge, 30mm	1
39	6181.7016	2.5mm Torque-Limiting Handle, 2.0Nm, AO Quick-Connect	1
40	6181.7017	2.0mm Torque-Limiting Handle, 0.8Nm, AO Quick-Connect	1
41	6181.7020	2.0mm Depth Gauge, 60mm	1
42	6181.7025	2.5mm Depth Gauge, 90mm	1
43	6181.7115	1.5mm Screw Retention Sleeve	1
44	6188.1108	0.8mm K-Wire, Trocar Tip, 150mm	6
45	6188.1111	1.1mm K-Wire, Trocar Tip, 150mm	6
46	6188.7000	Small Handle, AO Quick-Connect	2

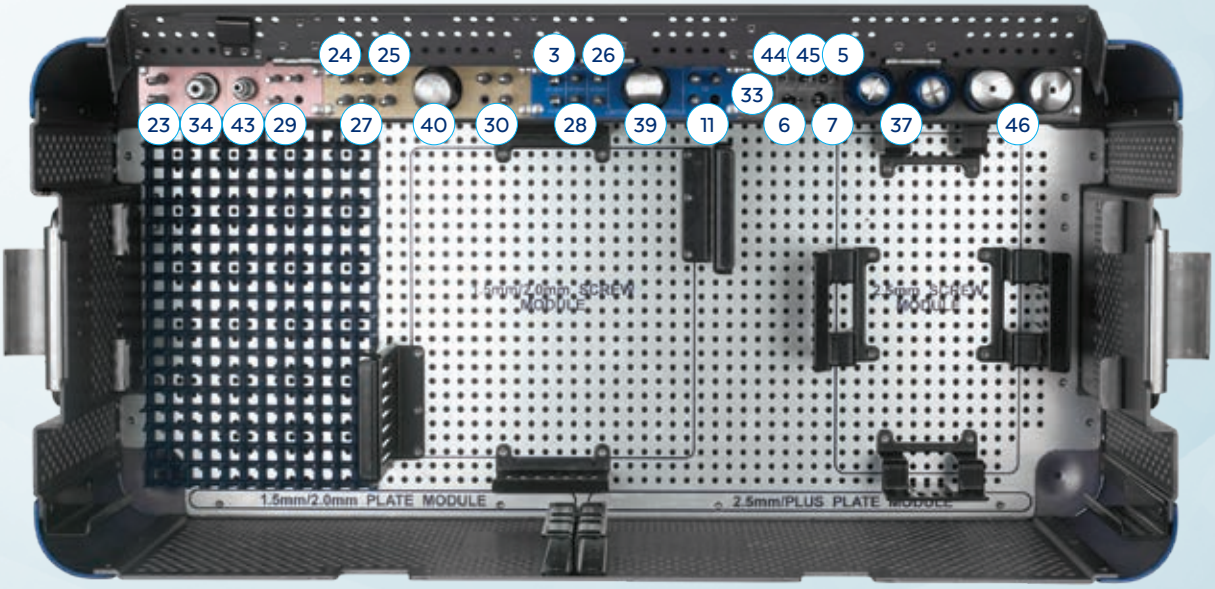
Additionally Available

6181.1408	0.8mm K-Wire, Drill Tip, 150mm
6181.1411	1.1mm K-Wire, Drill Tip, 150mm
6181.1413	1.25mm K-Wire, Drill Tip, 150mm
6170.1016	1.6mm K-Wire, Drill Tip, 150mm
6181.1420	2.0mm K-Wire, Drill Tip, 150mm
6181.7004	Mini Fragment Plate Bending Iron

ANTHEM® Mini Fragment Fracture System
Instrument Set 9181.9001 and 9181.9002







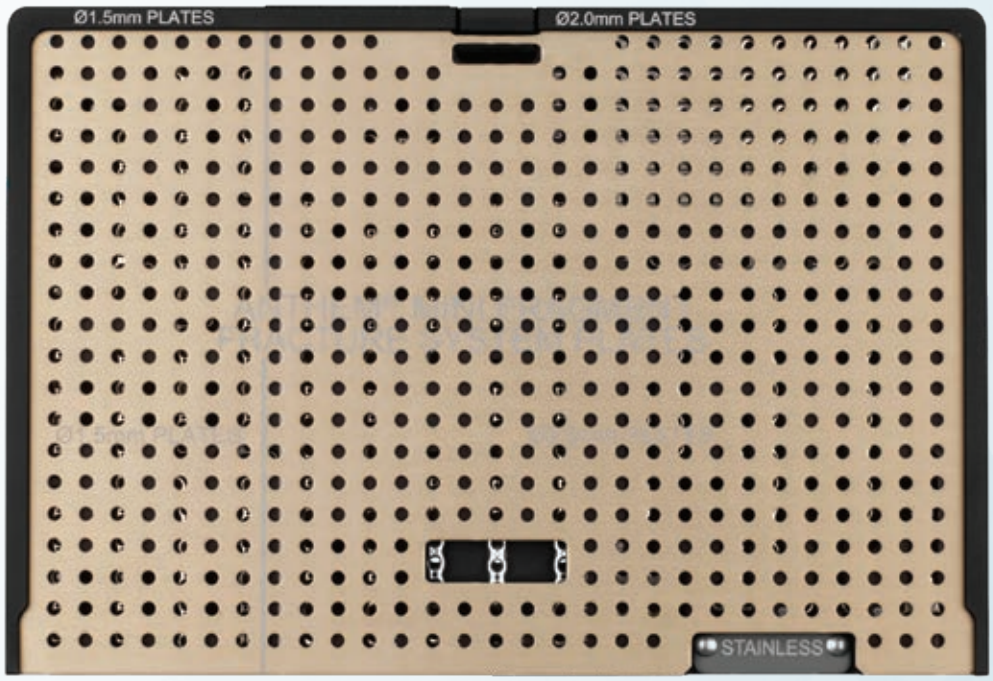
ANTHEM® SS Mini Fragment Fracture System
1.5/2.0mm Plate Module 9181.9302

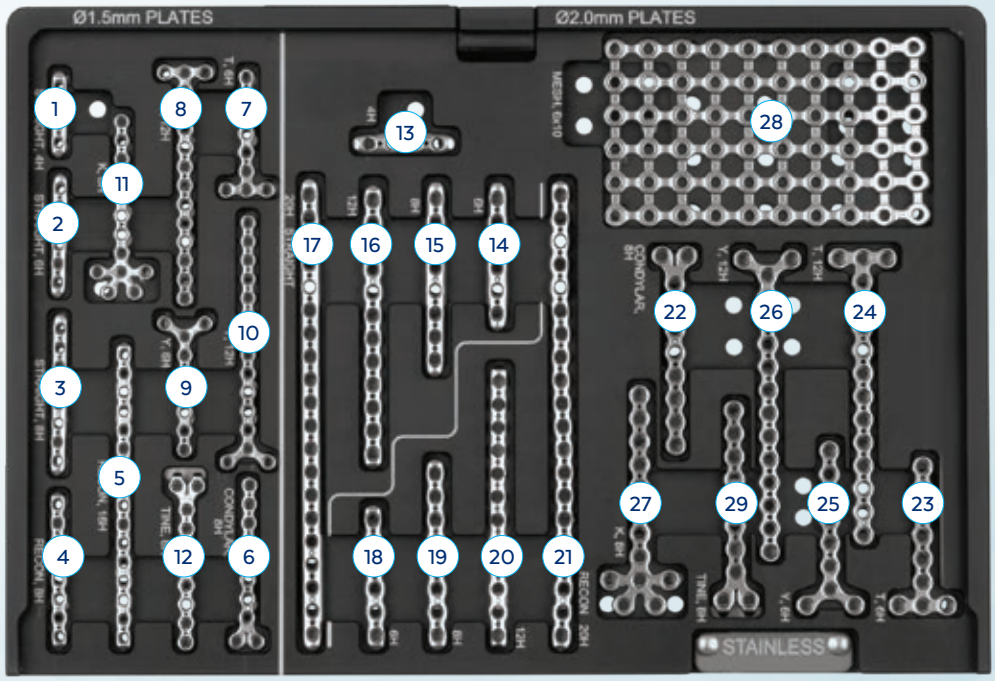
	Part No.	Description	Qty
1	2181.1104	ANTHEM® 1.5mm Straight Plate, Polyaxial, 4 Holes, 21mm, SS	1
2	2181.1106	ANTHEM® 1.5mm Straight Plate, Polyaxial, 6 Holes, 30mm, SS	1
3	2181.1108	ANTHEM® 1.5mm Straight Plate, Polyaxial, 8 Holes, 39mm, SS	1
4	2181.1208	ANTHEM® 1.5mm Reconstruction Plate, Polyaxial, 8 Holes, 38mm, SS	1
5	2181.1216	ANTHEM® 1.5mm Reconstruction Plate, Polyaxial, 16 Holes, 74mm, SS	1
6	2181.1308	ANTHEM® 1.5mm Condylar Plate, Polyaxial, 8 Holes, 42mm, SS	1
7	2181.1406	ANTHEM® 1.5mm T-Plate, Polyaxial, 6 Holes, 31mm, SS	1
8	2181.1412	ANTHEM® 1.5mm T-Plate, Polyaxial, 12 Holes, 58mm, SS	1
9	2181.1506	ANTHEM® 1.5mm Y-Plate, Polyaxial, 6 Holes, 34mm, SS	1
10	2181.1512	ANTHEM® 1.5mm Y-Plate, Polyaxial, 12 Holes, 61mm, SS	1
11	2181.1608	ANTHEM® 1.5mm K-Plate, Polyaxial, 8 Holes, 45mm, SS	1
12	2181.7108	ANTHEM® 1.5mm Tine Plate, Polyaxial, 8 Holes, 43mm, SS	1
13	2181.2104	ANTHEM® 2.0mm Straight Plate, Polyaxial, 4 Holes, 25mm, SS	1
14	2181.2106	ANTHEM® 2.0mm Straight Plate, Polyaxial, 6 Holes, 36mm, SS	1
15	2181.2108	ANTHEM® 2.0mm Straight Plate, Polyaxial, 8 Holes, 47mm, SS	1
16	2181.2112	ANTHEM® 2.0mm Straight Plate, Polyaxial, 12 Holes, 69mm, SS	1
17	2181.2120	ANTHEM® 2.0mm Straight Plate, Polyaxial, 20 Holes, 113mm, SS	1
18	2181.2206	ANTHEM® 2.0mm Reconstruction Plate, Polyaxial, 6 Holes, 35mm, SS	1
19	2181.2208	ANTHEM® 2.0mm Reconstruction Plate, Polyaxial, 8 Holes, 46mm, SS	1
20	2181.2212	ANTHEM® 2.0mm Reconstruction Plate, Polyaxial, 12 Holes, 68mm, SS	1
21	2181.2220	ANTHEM® 2.0mm Reconstruction Plate, Polyaxial, 20 Holes, 112mm, SS	1
22	2181.2308	ANTHEM® 2.0mm Condylar Plate, Polyaxial, 8 Holes, 51mm, SS	1
23	2181.2406	ANTHEM® 2.0mm T-Plate, Polyaxial, 6 Holes, 39mm, SS	1
24	2181.2412	ANTHEM® 2.0mm T-Plate, Polyaxial, 12 Holes, 72mm, SS	1
25	2181.2506	ANTHEM® 2.0mm Y-Plate, Polyaxial, 6 Holes, 42mm, SS	1
26	2181.2512	ANTHEM® 2.0mm Y-Plate, Polyaxial, 12 Holes, 75mm, SS	1
27	2181.2608	ANTHEM® 2.0mm K-Plate, Polyaxial, 8 Holes, 56mm, SS	1
28	2181.2821	ANTHEM® 2.0mm Mesh Plate, Polyaxial, 6x10 Holes, 46x78mm, SS	1
29	2181.7208	ANTHEM® 2.0mm Tine Plate, Polyaxial, 8 Holes, 52mm, SS	1

Additionally Available

2181.7420	ANTHEM® 1.5mm Straight Plate, Non-Locking, 20 Holes, 80mm, SS
2181.7520	ANTHEM® 2.0mm Straight Plate, Non-Locking, 20 Holes, 100mm, SS

ANTHEM® SS Mini Fragment Fracture System
1.5/2.0mm Plate Module 9181.9302





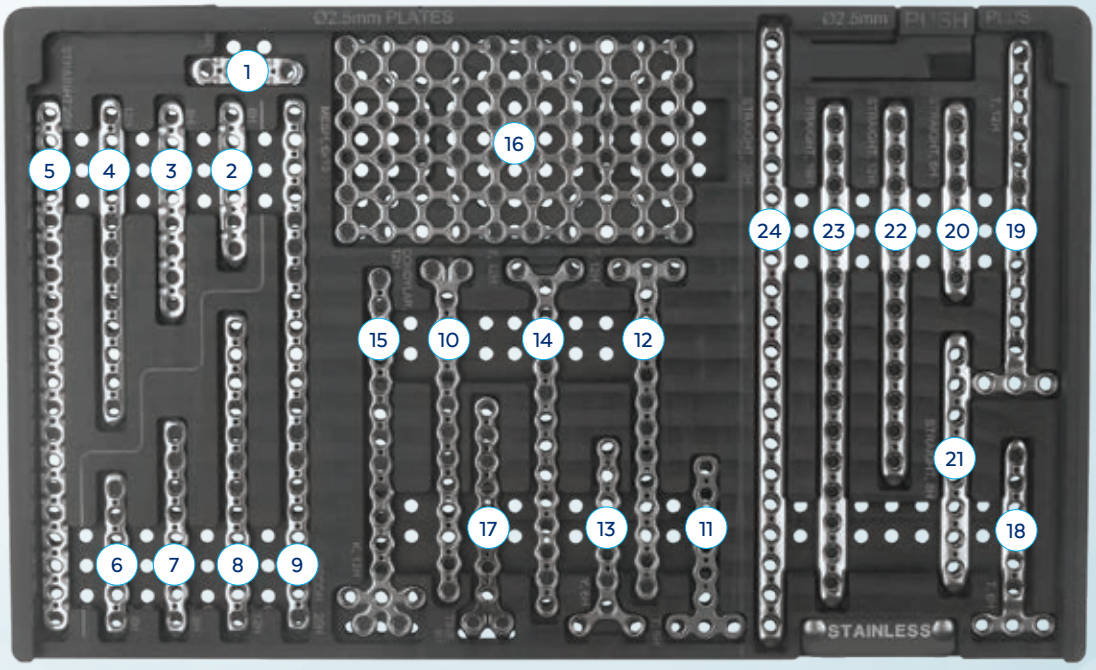
ANTHEM® SS Mini Fragment Fracture System
2.5/2.5mm Plus Plate Module 9181.9402

	Part No.	Description	Qty
1	2181.3004	ANTHEM® 2.5mm Straight Plate, Polyaxial, 4 Holes, 29mm, SS	1
2	2181.3006	ANTHEM® 2.5mm Straight Plate, Polyaxial, 6 Holes, 42mm, SS	1
3	2181.3008	ANTHEM® 2.5mm Straight Plate, Polyaxial, 8 Holes, 55mm, SS	1
4	2181.3012	ANTHEM® 2.5mm Straight Plate, Polyaxial, 12 Holes, 81mm, SS	1
5	2181.3020	ANTHEM® 2.5mm Straight Plate, Polyaxial, 20 Holes, 133mm, SS	1
6	2181.3206	ANTHEM® 2.5mm Reconstruction Plate, Polyaxial, 6 Holes, 42mm, SS	1
7	2181.3208	ANTHEM® 2.5mm Reconstruction Plate, Polyaxial, 8 Holes, 55mm, SS	1
8	2181.3212	ANTHEM® 2.5mm Reconstruction Plate, Polyaxial, 12 Holes, 81mm, SS	1
9	2181.3220	ANTHEM® 2.5mm Reconstruction Plate, Polyaxial, 20 Holes, 133mm, SS	1
10	2181.3312	ANTHEM® 2.5mm Condylar Plate, Polyaxial, 12 Holes, 85mm, SS	1
11	2181.3406	ANTHEM® 2.5mm T-Plate, Polyaxial, 6 Holes, 46mm, SS	1
12	2181.3412	ANTHEM® 2.5mm T-Plate, Polyaxial, 12 Holes, 85mm, SS	1
13	2181.3506	ANTHEM® 2.5mm Y-Plate, Polyaxial, 6 Holes, 50mm, SS	1
14	2181.3512	ANTHEM® 2.5mm Y-Plate, Polyaxial, 12 Holes, 89mm, SS	1
15	2181.3612	ANTHEM® 2.5mm K-Plate, Polyaxial, 12 Holes, 91mm, SS	1
16	2181.3821	ANTHEM® 2.5mm Mesh Plate, Polyaxial, 6x10 Holes, 52x88mm, SS	1
17	2181.7308	ANTHEM® 2.5mm Tine Plate, Polyaxial, 8 Holes, 60mm, SS	1
18	2181.7006	ANTHEM® 2.5mm Plus T-Plate, Polyaxial, 6 Holes, 50mm, SS	1
19	2181.7012	ANTHEM® 2.5mm Plus T-Plate, Polyaxial, 12 Holes, 89mm, SS	1
20	2181.3106	ANTHEM® 2.5mm Plus Straight Plate, Polyaxial, 6 Holes, 50mm, SS	1
21	2181.3108	ANTHEM® 2.5mm Plus Straight Plate, Polyaxial, 8 Holes, 65mm, SS	1
22	2181.3112	ANTHEM® 2.5mm Plus Straight Plate, Polyaxial, 12 Holes, 95mm, SS	1
23	2181.3116	ANTHEM® 2.5mm Plus Straight Plate, Polyaxial, 16 Holes, 125mm, SS	1
24	2181.3120	ANTHEM® 2.5mm Plus Straight Plate, Polyaxial, 20 Holes, 155mm, SS	1

Additionally Available

2181.7620	ANTHEM® 2.5mm Straight Plate, Non-Locking, 20 Holes, 120mm, SS

ANTHEM® SS Mini Fragment Fracture System
2.5/2.5mm Plus Plate Module 9181.9402



ANTHEM® SS Mini Fragment Fracture System
1.5mm Screw Module 9181.9152

1 Locking Screws

Part No.	Description	Qty
7181.4106	Locking Screw, 1.5x6mm, CoCr	3
7181.4107	Locking Screw, 1.5x7mm, CoCr	3
7181.4108	Locking Screw, 1.5x8mm, CoCr	3
7181.4109	Locking Screw, 1.5x9mm, CoCr	3
7181.4110	Locking Screw, 1.5x10mm, CoCr	3
7181.4111	Locking Screw, 1.5x11mm, CoCr	3
7181.4112	Locking Screw, 1.5x12mm, CoCr	3
7181.4113	Locking Screw, 1.5x13mm, CoCr	3
7181.4114	Locking Screw, 1.5x14mm, CoCr	3
7181.4115	Locking Screw, 1.5x15mm, CoCr	3
7181.4116	Locking Screw, 1.5x16mm, CoCr	3
7181.4117	Locking Screw, 1.5x17mm, CoCr	3
7181.4118	Locking Screw, 1.5x18mm, CoCr	3
7181.4119	Locking Screw, 1.5x19mm, CoCr	3
7181.4120	Locking Screw, 1.5x20mm, CoCr	3
7181.4121	Locking Screw, 1.5x21mm, CoCr	3
7181.4122	Locking Screw, 1.5x22mm, CoCr	3
7181.4123	Locking Screw, 1.5x23mm, CoCr	3
7181.4124	Locking Screw, 1.5x24mm, CoCr	3

2 Non-Locking Screws

Part No.	Description	Qty
2181.4206	Non-Locking Screw, 1.5x6mm, SS	3
2181.4207	Non-Locking Screw, 1.5x7mm, SS	3
2181.4208	Non-Locking Screw, 1.5x8mm, SS	3
2181.4209	Non-Locking Screw, 1.5x9mm, SS	3
2181.4210	Non-Locking Screw, 1.5x10mm, SS	3
2181.4211	Non-Locking Screw, 1.5x11mm, SS	3
2181.4212	Non-Locking Screw, 1.5x12mm, SS	3
2181.4213	Non-Locking Screw, 1.5x13mm, SS	3
2181.4214	Non-Locking Screw, 1.5x14mm, SS	3
2181.4215	Non-Locking Screw, 1.5x15mm, SS	3
2181.4216	Non-Locking Screw, 1.5x16mm, SS	3
2181.4217	Non-Locking Screw, 1.5x17mm, SS	3
2181.4218	Non-Locking Screw, 1.5x18mm, SS	3

Non-Locking Screws (Cont'd)

Part No.	Description	Qty
2181.4219	Non-Locking Screw, 1.5x19mm, SS	3
2181.4220	Non-Locking Screw, 1.5x20mm, SS	3
2181.4221	Non-Locking Screw, 1.5x21mm, SS	3
2181.4222	Non-Locking Screw, 1.5x22mm, SS	3
2181.4223	Non-Locking Screw, 1.5x23mm, SS	3
2181.4224	Non-Locking Screw, 1.5x24mm, SS	3

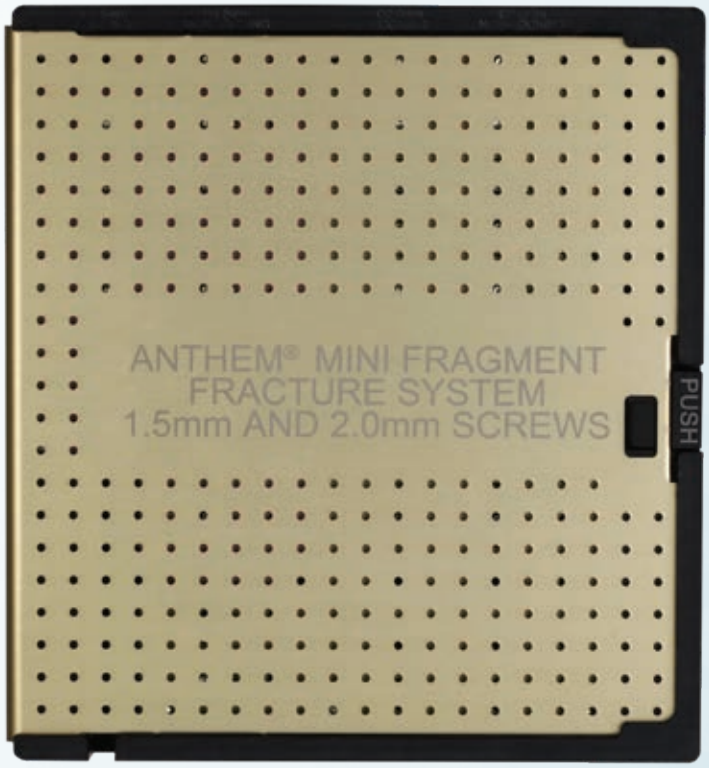
3 Speed Screws

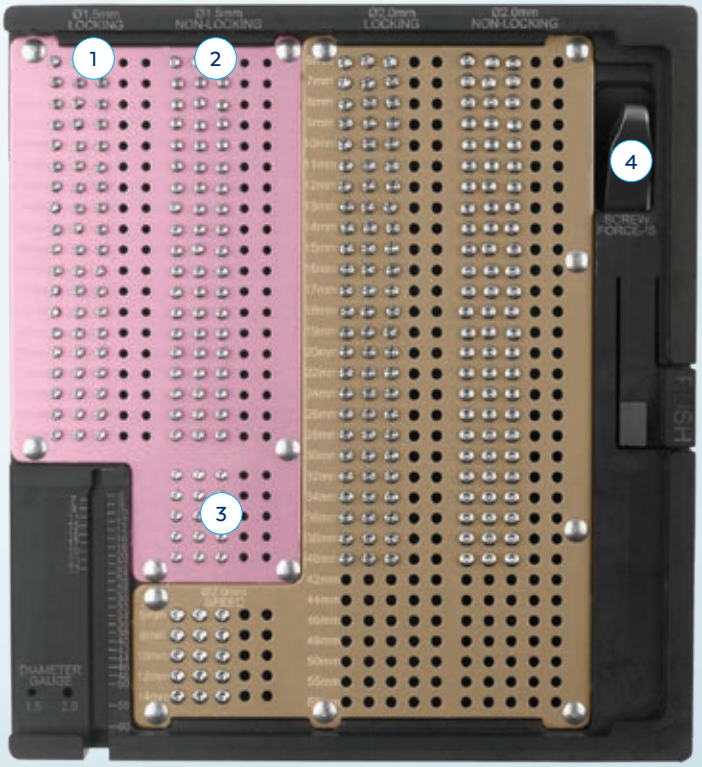
Part No.	Description	Qty
2181.4306	Speed Screw, 1.5x6mm, SS	3
2181.4308	Speed Screw, 1.5x8mm, SS	3
2181.4310	Speed Screw, 1.5x10mm, SS	3
2181.4312	Speed Screw, 1.5x12mm, SS	3
2181.4314	Speed Screw, 1.5x14mm, SS	3

4

Part No.	Description	Qty
6188.2015	Screw Holding Forceps	1

ANTHEM® SS Mini Fragment Fracture System
1.5mm Screw Module 9181.9152





ANTHEM® SS Mini Fragment Fracture System
2.0mm Screw Module 9181.9152

1 Locking Screws, 2.0mm

Part No.	Description	Qty
7181.5106	Locking Screw, 2.0x6mm, CoCr	3
7181.5107	Locking Screw, 2.0x7mm, CoCr	3
7181.5108	Locking Screw, 2.0x8mm, CoCr	3
7181.5109	Locking Screw, 2.0x9mm, CoCr	3
7181.5110	Locking Screw, 2.0x10mm, CoCr	3
7181.5111	Locking Screw, 2.0x11mm, CoCr	3
7181.5112	Locking Screw, 2.0x12mm, CoCr	3
7181.5113	Locking Screw, 2.0x13mm, CoCr	3
7181.5114	Locking Screw, 2.0x14mm, CoCr	3
7181.5115	Locking Screw, 2.0x15mm, CoCr	3
7181.5116	Locking Screw, 2.0x16mm, CoCr	3
7181.5117	Locking Screw, 2.0x17mm, CoCr	3
7181.5118	Locking Screw, 2.0x18mm, CoCr	3
7181.5119	Locking Screw, 2.0x19mm, CoCr	3
7181.5120	Locking Screw, 2.0x20mm, CoCr	3
7181.5122	Locking Screw, 2.0x22mm, CoCr	3
7181.5124	Locking Screw, 2.0x24mm, CoCr	3
7181.5126	Locking Screw, 2.0x26mm, CoCr	3
7181.5128	Locking Screw, 2.0x28mm, CoCr	3
7181.5130	Locking Screw, 2.0x30mm, CoCr	3
7181.5132	Locking Screw, 2.0x32mm, CoCr	3
7181.5134	Locking Screw, 2.0x34mm, CoCr	3
7181.5136	Locking Screw, 2.0x36mm, CoCr	3
7181.5138	Locking Screw, 2.0x38mm, CoCr	3
7181.5140	Locking Screw, 2.0x40mm, CoCr	3

2 Non-Locking Screws, 2.0mm

Part No.	Description	Qty
2181.5206	Non-Locking Screw, 2.0x6mm, SS	3
2181.5207	Non-Locking Screw, 2.0x7mm, SS	3
2181.5208	Non-Locking Screw, 2.0x8mm, SS	3
2181.5209	Non-Locking Screw, 2.0x9mm, SS	3
2181.5210	Non-Locking Screw, 2.0x10mm, SS	3
2181.5211	Non-Locking Screw, 2.0x11mm, SS	3
2181.5212	Non-Locking Screw, 2.0x12mm, SS	3
2181.5213	Non-Locking Screw, 2.0x13mm, SS	3
2181.5214	Non-Locking Screw, 2.0x14mm, SS	3
2181.5215	Non-Locking Screw, 2.0x15mm, SS	3
2181.5216	Non-Locking Screw, 2.0x16mm, SS	3

Non-Locking Screws, 2.0mm (Cont'd)

Part No.	Description	Qty
2181.5217	Non-Locking Screw, 2.0x17mm, SS	3
2181.5218	Non-Locking Screw, 2.0x18mm, SS	3
2181.5219	Non-Locking Screw, 2.0x19mm, SS	3
2181.5220	Non-Locking Screw, 2.0x20mm, SS	3
2181.5222	Non-Locking Screw, 2.0x22mm, SS	3
2181.5224	Non-Locking Screw, 2.0x24mm, SS	3
2181.5226	Non-Locking Screw, 2.0x26mm, SS	3
2181.5228	Non-Locking Screw, 2.0x28mm, SS	3
2181.5230	Non-Locking Screw, 2.0x30mm, SS	3
2181.5232	Non-Locking Screw, 2.0x32mm, SS	3
2181.5234	Non-Locking Screw, 2.0x34mm, SS	3
2181.5236	Non-Locking Screw, 2.0x36mm, SS	3
2181.5238	Non-Locking Screw, 2.0x38mm, SS	3
2181.5240	Non-Locking Screw, 2.0x40mm, SS	3

3 Speed Screws, 2.0mm

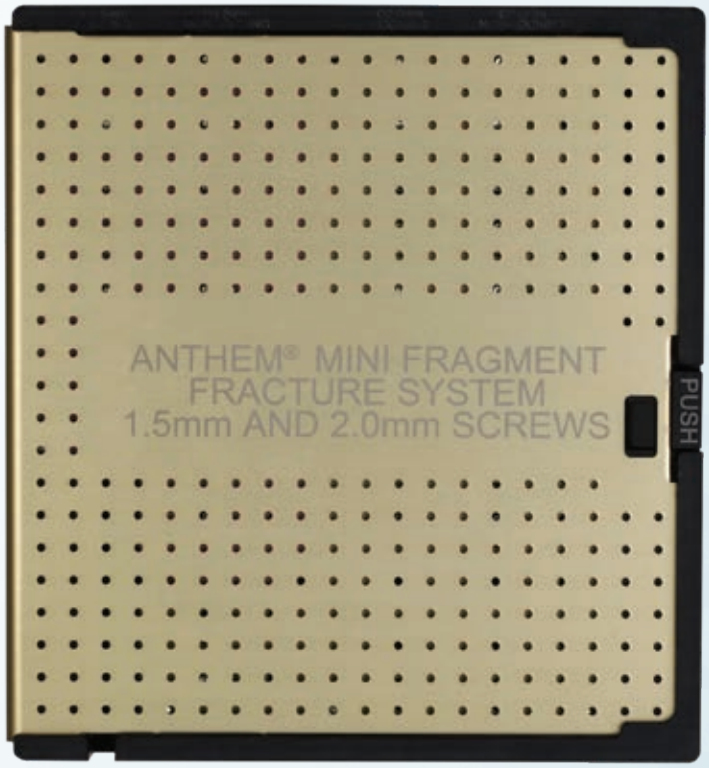
Part No.	Description	Qty
2181.5306	Speed Screw, 2.0x6mm, SS	3
2181.5308	Speed Screw, 2.0x8mm, SS	3
2181.5310	Speed Screw, 2.0x10mm, SS	3
2181.5312	Speed Screw, 2.0x12mm, SS	3
2181.5314	Speed Screw, 2.0x14mm, SS	3

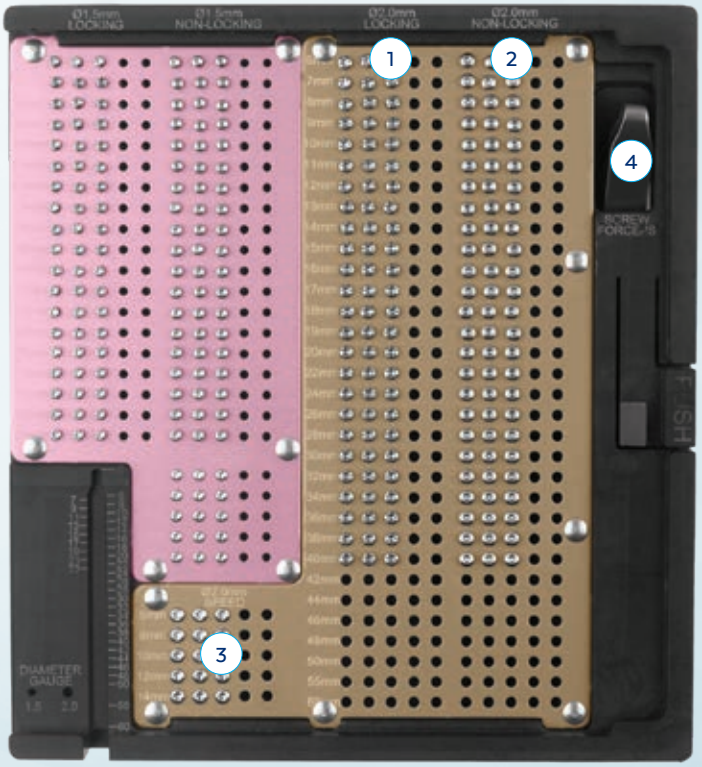
Part No.	Description	Qty
4 6188.2015	Screw Holding Forceps	1

Additionally Available

2181.5242	Non-Locking Screw, 2.0x42mm, SS
2181.5244	Non-Locking Screw, 2.0x44mm, SS
2181.5246	Non-Locking Screw, 2.0x46mm, SS
2181.5248	Non-Locking Screw, 2.0x48mm, SS
2181.5250	Non-Locking Screw, 2.0x50mm, SS
2181.5255	Non-Locking Screw, 2.0x55mm, SS
2181.5260	Non-Locking Screw, 2.0x60mm, SS
7181.5142	Locking Screw, 2.0x42mm, CoCr
7181.5144	Locking Screw, 2.0x44mm, CoCr
7181.5146	Locking Screw, 2.0x46mm, CoCr
7181.5148	Locking Screw, 2.0x48mm, CoCr
7181.5150	Locking Screw, 2.0x50mm, CoCr
7181.5155	Locking Screw, 2.0x55mm, CoCr
7181.5160	Locking Screw, 2.0x60mm, CoCr

ANTHEM® SS Mini Fragment Fracture System
2.0mm Screw Module 9181.9152





ANTHEM® SS Mini Fragment Fracture System
2.5mm Screw Module 9181.9252

1 Locking Screws, 2.5mm

Part No.	Description	Qty
7171.5508	Locking Screw, 2.5x8mm, CoCr	3
7171.5509	Locking Screw, 2.5x9mm, CoCr	3
7171.5510	Locking Screw, 2.5x10mm, CoCr	3
7171.5511	Locking Screw, 2.5x11mm, CoCr	3
7171.5512	Locking Screw, 2.5x12mm, CoCr	3
7171.5513	Locking Screw, 2.5x13mm, CoCr	3
7171.5514	Locking Screw, 2.5x14mm, CoCr	3
7171.5515	Locking Screw, 2.5x15mm, CoCr	3
7171.5516	Locking Screw, 2.5x16mm, CoCr	3
7171.5517	Locking Screw, 2.5x17mm, CoCr	3
7171.5518	Locking Screw, 2.5x18mm, CoCr	3
7171.5519	Locking Screw, 2.5x19mm, CoCr	3
7171.5520	Locking Screw, 2.5x20mm, CoCr	3
7171.5522	Locking Screw, 2.5x22mm, CoCr	3
7171.5524	Locking Screw, 2.5x24mm, CoCr	3
7171.5526	Locking Screw, 2.5x26mm, CoCr	3
7171.5528	Locking Screw, 2.5x28mm, CoCr	3
7171.5530	Locking Screw, 2.5x30mm, CoCr	3
7171.5532	Locking Screw, 2.5x32mm, CoCr	3
7171.5534	Locking Screw, 2.5x34mm, CoCr	3
7171.5536	Locking Screw, 2.5x36mm, CoCr	3
7171.5538	Locking Screw, 2.5x38mm, CoCr	3
7171.5540	Locking Screw, 2.5x40mm, CoCr	3
7171.5542	Locking Screw, 2.5x42mm, CoCr	3
7171.5544	Locking Screw, 2.5x44mm, CoCr	3
7171.5546	Locking Screw, 2.5x46mm, CoCr	3
7171.5548	Locking Screw, 2.5x48mm, CoCr	3
7171.5550	Locking Screw, 2.5x50mm, CoCr	3
7171.5555	Locking Screw, 2.5x55mm, CoCr	3
7171.5560	Locking Screw, 2.5x60mm, CoCr	3
7171.5565	Locking Screw, 2.5x65mm, CoCr	3
7171.5570	Locking Screw, 2.5x70mm, CoCr	3
7171.5575	Locking Screw, 2.5x75mm, CoCr	3
7171.5580	Locking Screw, 2.5x80mm, CoCr	3
7171.5585	Locking Screw, 2.5x85mm, CoCr	3

2 Non-Locking Screws, 2.5mm

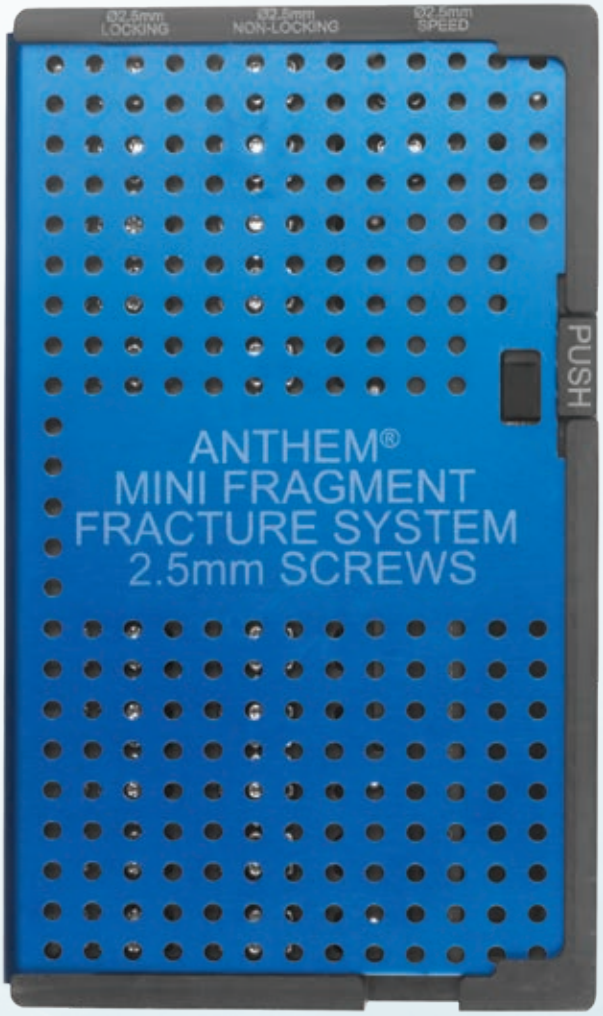
Part No.	Description	Qty
2171.6508	Non-Locking Screw, 2.5x8mm, SS	3
2171.6509	Non-Locking Screw, 2.5x9mm, SS	3
2171.6510	Non-Locking Screw, 2.5x10mm, SS	3
2171.6511	Non-Locking Screw, 2.5x11mm, SS	3
2171.6512	Non-Locking Screw, 2.5x12mm, SS	3
2171.6513	Non-Locking Screw, 2.5x13mm, SS	3
2171.6514	Non-Locking Screw, 2.5x14mm, SS	3
2171.6515	Non-Locking Screw, 2.5x15mm, SS	3
2171.6516	Non-Locking Screw, 2.5x16mm, SS	3
2171.6517	Non-Locking Screw, 2.5x17mm, SS	3
2171.6518	Non-Locking Screw, 2.5x18mm, SS	3
2171.6519	Non-Locking Screw, 2.5x19mm, SS	3
2171.6520	Non-Locking Screw, 2.5x20mm, SS	3
2171.6522	Non-Locking Screw, 2.5x22mm, SS	3
2171.6524	Non-Locking Screw, 2.5x24mm, SS	3
2171.6526	Non-Locking Screw, 2.5x26mm, SS	3
2171.6528	Non-Locking Screw, 2.5x28mm, SS	3
2171.6530	Non-Locking Screw, 2.5x30mm, SS	3
2171.6532	Non-Locking Screw, 2.5x32mm, SS	3
2171.6534	Non-Locking Screw, 2.5x34mm, SS	3
2171.6536	Non-Locking Screw, 2.5x36mm, SS	3
2171.6538	Non-Locking Screw, 2.5x38mm, SS	3
2171.6540	Non-Locking Screw, 2.5x40mm, SS	3
2171.6542	Non-Locking Screw, 2.5x42mm, SS	3
2171.6544	Non-Locking Screw, 2.5x44mm, SS	3
2171.6546	Non-Locking Screw, 2.5x46mm, SS	3
2171.6548	Non-Locking Screw, 2.5x48mm, SS	3
2171.6550	Non-Locking Screw, 2.5x50mm, SS	3
2171.6555	Non-Locking Screw, 2.5x55mm, SS	3
2171.6560	Non-Locking Screw, 2.5x60mm, SS	3
2171.6565	Non-Locking Screw, 2.5x65mm, SS	3
2171.6570	Non-Locking Screw, 2.5x70mm, SS	3
2171.6575	Non-Locking Screw, 2.5x75mm, SS	3
2171.6580	Non-Locking Screw, 2.5x80mm, SS	3
2171.6585	Non-Locking Screw, 2.5x85mm, SS	3

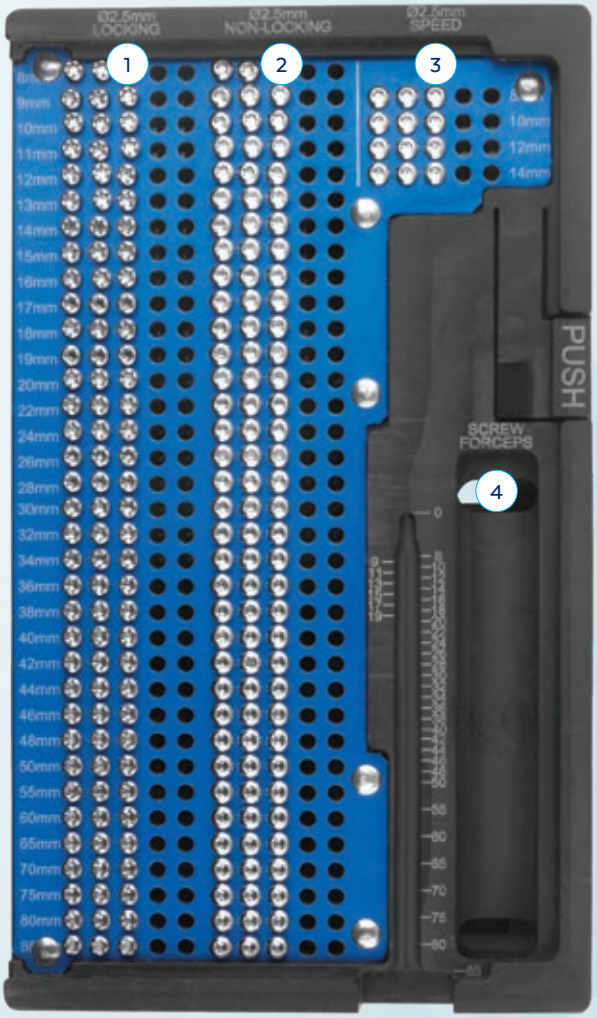
ANTHEM® SS Mini Fragment Fracture System
2.5mm Screw Module 9181.9252

3 Speed Screws, 2.5mm

Part No.	Description	Qty
2181.6308	Speed Screw, 2.5x8mm, SS	3
2181.6310	Speed Screw, 2.5x10mm, SS	3
2181.6312	Speed Screw, 2.5x12mm, SS	3
2181.6314	Speed Screw, 2.5x14mm, SS	3

	Part No.	Description	Qty
4	6188.2015	Screw Holding Forceps	1





ANTHEM® Ti Mini Fragment Fracture System
1.5/2.0mm Plate Module 9181.9301

Part No.	Description	Qty
1181.1104	ANTHEM® 1.5mm Straight Plate, Polyaxial, 4 Holes, 21mm, Ti	1
1181.1106	ANTHEM® 1.5mm Straight Plate, Polyaxial, 6 Holes, 30mm, Ti	1
1181.1108	ANTHEM® 1.5mm Straight Plate, Polyaxial, 8 Holes, 39mm, Ti	1
1181.1208	ANTHEM® 1.5mm Reconstruction Plate, Polyaxial, 8 Holes, 38mm, Ti	1
1181.1216	ANTHEM® 1.5mm Reconstruction Plate, Polyaxial, 16 Holes, 74mm, Ti	1
1181.1308	ANTHEM® 1.5mm Condylar Plate, Polyaxial, 8 Holes, 42mm, Ti	1
1181.1406	ANTHEM® 1.5mm T-Plate, Polyaxial, 6 Holes, 31mm, Ti	1
1181.1412	ANTHEM® 1.5mm T-Plate, Polyaxial, 12 Holes, 58mm, Ti	1
1181.1506	ANTHEM® 1.5mm Y-Plate, Polyaxial, 6 Holes, 34mm, Ti	1
1181.1512	ANTHEM® 1.5mm Y-Plate, Polyaxial, 12 Holes, 61mm, Ti	1
1181.1608	ANTHEM® 1.5mm K-Plate, Polyaxial, 8 Holes, 45mm, Ti	1
1181.7108	ANTHEM® 1.5mm Tine Plate, Polyaxial, 8 Holes, 43mm, Ti	1
1181.2104	ANTHEM® 2.0mm Straight Plate, Polyaxial, 4 Holes, 25mm, Ti	1
1181.2106	ANTHEM® 2.0mm Straight Plate, Polyaxial, 6 Holes, 36mm, Ti	1
1181.2108	ANTHEM® 2.0mm Straight Plate, Polyaxial, 8 Holes, 47mm, Ti	1
1181.2112	ANTHEM® 2.0mm Straight Plate, Polyaxial, 12 Holes, 69mm, Ti	1
1181.2120	ANTHEM® 2.0mm Straight Plate, Polyaxial, 20 Holes, 113mm, Ti	1
1181.2206	ANTHEM® 2.0mm Reconstruction Plate, Polyaxial, 6 Holes, 35mm, Ti	1
1181.2208	ANTHEM® 2.0mm Reconstruction Plate, Polyaxial, 8 Holes, 46mm, Ti	1
1181.2212	ANTHEM® 2.0mm Reconstruction Plate, Polyaxial, 12 Holes, 68mm, Ti	1
1181.2220	ANTHEM® 2.0mm Reconstruction Plate, Polyaxial, 20 Holes, 112mm, Ti	1
1181.2308	ANTHEM® 2.0mm Condylar Plate, Polyaxial, 8 Holes, 51mm, Ti	1
1181.2406	ANTHEM® 2.0mm T-Plate, Polyaxial, 6 Holes, 39mm, Ti	1
1181.2412	ANTHEM® 2.0mm T-Plate, Polyaxial, 12 Holes, 72mm, Ti	1
1181.2506	ANTHEM® 2.0mm Y-Plate, Polyaxial, 6 Holes, 42mm, Ti	1
1181.2512	ANTHEM® 2.0mm Y-Plate, Polyaxial, 12 Holes, 75mm, Ti	1
1181.2608	ANTHEM® 2.0mm K-Plate, Polyaxial, 8 Holes, 56mm, Ti	1
1181.2821	ANTHEM® 2.0mm Mesh Plate, Polyaxial, 6x10 Holes, 46x78mm, Ti	1
1181.7208	ANTHEM® 2.0mm Tine Plate, Polyaxial, 8 Holes, 52mm, Ti	1

Additionally Available

1181.7420	ANTHEM® 1.5mm Straight Plate, Non-Locking, 20 Holes, 80mm, Ti
1181.7520	ANTHEM® 2.0mm Straight Plate, Non-Locking, 20 Holes, 100mm, Ti

ANTHEM® Ti Mini Fragment Fracture System
2.5/2.5mm Plus Plate Module 9181.9401

Part No.	Description	Qty
1181.3004	ANTHEM® 2.5mm Straight Plate, Polyaxial, 4 Holes, 29mm, Ti	1
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
1181.3206	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
1181.3312	ANTHEM® 2.5mm Condylar Plate, Polyaxial, 12 Holes, 85mm, 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
1181.3506	ANTHEM® 2.5mm Y-Plate, Polyaxial, 6 Holes, 50mm, Ti	1
1181.3512	ANTHEM® 2.5mm Y-Plate, Polyaxial, 12 Holes, 89mm, Ti	1
1181.3612	ANTHEM® 2.5mm K-Plate, Polyaxial, 12 Holes, 91mm, Ti	1
1181.3821	ANTHEM® 2.5mm Mesh Plate, Polyaxial, 6x10 Holes, 52x88mm, Ti	1
1181.7308	ANTHEM® 2.5mm Tine Plate, Polyaxial, 8 Holes, 60mm, 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
1181.3106	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

Additionally Available

1181.7620	ANTHEM® 2.5mm Straight Plate, Non-Locking, 20 Holes, 120mm, Ti

ANTHEM® Ti Mini Fragment Fracture System
1.5/2.0mm Screw Module 9181.9151

Part No.	Description	Qty	Part No.	Description	Qty
7181.4106	Locking Screw, 1.5x6mm, CoCr	3	1181.4222	Non-Locking Screw, 1.5x22mm, Ti	3
7181.4107	Locking Screw, 1.5x7mm, CoCr	3	1181.4223	Non-Locking Screw, 1.5x23mm, Ti	3
7181.4108	Locking Screw, 1.5x8mm, CoCr	3	1181.4224	Non-Locking Screw, 1.5x24mm, Ti	3
7181.4109	Locking Screw, 1.5x9mm, CoCr	3	1181.4306	Speed Screw, 1.5x6mm, Ti	3
7181.4110	Locking Screw, 1.5x10mm, CoCr	3	1181.4308	Speed Screw, 1.5x8mm, Ti	3
7181.4111	Locking Screw, 1.5x11mm, CoCr	3	1181.4310	Speed Screw, 1.5x10mm, Ti	3
7181.4112	Locking Screw, 1.5x12mm, CoCr	3	1181.4312	Speed Screw, 1.5x12mm, Ti	3
7181.4113	Locking Screw, 1.5x13mm, CoCr	3	1181.4314	Speed Screw, 1.5x14mm, Ti	3
7181.4114	Locking Screw, 1.5x14mm, CoCr	3	7181.5106	Locking Screw, 2.0x6mm, CoCr	3
7181.4115	Locking Screw, 1.5x15mm, CoCr	3	7181.5107	Locking Screw, 2.0x7mm, CoCr	3
7181.4116	Locking Screw, 1.5x16mm, CoCr	3	7181.5108	Locking Screw, 2.0x8mm, CoCr	3
7181.4117	Locking Screw, 1.5x17mm, CoCr	3	7181.5109	Locking Screw, 2.0x9mm, CoCr	3
7181.4118	Locking Screw, 1.5x18mm, CoCr	3	7181.5110	Locking Screw, 2.0x10mm, CoCr	3
7181.4119	Locking Screw, 1.5x19mm, CoCr	3	7181.5111	Locking Screw, 2.0x11mm, CoCr	3
7181.4120	Locking Screw, 1.5x20mm, CoCr	3	7181.5112	Locking Screw, 2.0x12mm, CoCr	3
7181.4121	Locking Screw, 1.5x21mm, CoCr	3	7181.5113	Locking Screw, 2.0x13mm, CoCr	3
7181.4122	Locking Screw, 1.5x22mm, CoCr	3	7181.5114	Locking Screw, 2.0x14mm, CoCr	3
7181.4123	Locking Screw, 1.5x23mm, CoCr	3	7181.5115	Locking Screw, 2.0x15mm, CoCr	3
7181.4124	Locking Screw, 1.5x24mm, CoCr	3	7181.5116	Locking Screw, 2.0x16mm, CoCr	3
1181.4206	Non-Locking Screw, 1.5x6mm, Ti	3	7181.5117	Locking Screw, 2.0x17mm, CoCr	3
1181.4207	Non-Locking Screw, 1.5x7mm, Ti	3	7181.5118	Locking Screw, 2.0x18mm, CoCr	3
1181.4208	Non-Locking Screw, 1.5x8mm, Ti	3	7181.5119	Locking Screw, 2.0x19mm, CoCr	3
1181.4209	Non-Locking Screw, 1.5x9mm, Ti	3	7181.5120	Locking Screw, 2.0x20mm, CoCr	3
1181.4210	Non-Locking Screw, 1.5x10mm, Ti	3	7181.5122	Locking Screw, 2.0x22mm, CoCr	3
1181.4211	Non-Locking Screw, 1.5x11mm, Ti	3	7181.5124	Locking Screw, 2.0x24mm, CoCr	3
1181.4212	Non-Locking Screw, 1.5x12mm, Ti	3	7181.5126	Locking Screw, 2.0x26mm, CoCr	3
1181.4213	Non-Locking Screw, 1.5x13mm, Ti	3	7181.5128	Locking Screw, 2.0x28mm, CoCr	3
1181.4214	Non-Locking Screw, 1.5x14mm, Ti	3	7181.5130	Locking Screw, 2.0x30mm, CoCr	3
1181.4215	Non-Locking Screw, 1.5x15mm, Ti	3	7181.5132	Locking Screw, 2.0x32mm, CoCr	3
1181.4216	Non-Locking Screw, 1.5x16mm, Ti	3	7181.5134	Locking Screw, 2.0x34mm, CoCr	3
1181.4217	Non-Locking Screw, 1.5x17mm, Ti	3	7181.5136	Locking Screw, 2.0x36mm, CoCr	3
1181.4218	Non-Locking Screw, 1.5x18mm, Ti	3	7181.5138	Locking Screw, 2.0x38mm, CoCr	3
1181.4219	Non-Locking Screw, 1.5x19mm, Ti	3	7181.5140	Locking Screw, 2.0x40mm, CoCr	3
1181.4220	Non-Locking Screw, 1.5x20mm, Ti	3	1181.5206	Non-Locking Screw, 2.0x6mm, Ti	3
1181.4221	Non-Locking Screw, 1.5x21mm, Ti	3	1181.5207	Non-Locking Screw, 2.0x7mm, Ti	3

ANTHEM® Ti Mini Fragment Fracture System
1.5/2.0mm Screw Module 9181.9151

Part No.	Description	Qty
1181.5208	Non-Locking Screw, 2.0x8mm, Ti	3
1181.5209	Non-Locking Screw, 2.0x9mm, Ti	3
1181.5210	Non-Locking Screw, 2.0x10mm, Ti	3
1181.5211	Non-Locking Screw, 2.0x11mm, Ti	3
1181.5212	Non-Locking Screw, 2.0x12mm, Ti	3
1181.5213	Non-Locking Screw, 2.0x13mm, Ti	3
1181.5214	Non-Locking Screw, 2.0x14mm, Ti	3
1181.5215	Non-Locking Screw, 2.0x15mm, Ti	3
1181.5216	Non-Locking Screw, 2.0x16mm, Ti	3
1181.5217	Non-Locking Screw, 2.0x17mm, Ti	3
1181.5218	Non-Locking Screw, 2.0x18mm, Ti	3
1181.5219	Non-Locking Screw, 2.0x19mm, Ti	3
1181.5220	Non-Locking Screw, 2.0x20mm, Ti	3
1181.5222	Non-Locking Screw, 2.0x22mm, Ti	3
1181.5224	Non-Locking Screw, 2.0x24mm, Ti	3
1181.5226	Non-Locking Screw, 2.0x26mm, Ti	3
1181.5228	Non-Locking Screw, 2.0x28mm, Ti	3
1181.5230	Non-Locking Screw, 2.0x30mm, Ti	3
1181.5232	Non-Locking Screw, 2.0x32mm, Ti	3
1181.5234	Non-Locking Screw, 2.0x34mm, Ti	3
1181.5236	Non-Locking Screw, 2.0x36mm, Ti	3
1181.5238	Non-Locking Screw, 2.0x38mm, Ti	3
1181.5240	Non-Locking Screw, 2.0x40mm, Ti	3
1181.5306	Speed Screw, 2.0x6mm, Ti	3
1181.5308	Speed Screw, 2.0x8mm, Ti	3
1181.5310	Speed Screw, 2.0x10mm, Ti	3
1181.5312	Speed Screw, 2.0x12mm, Ti	3
1181.5314	Speed Screw, 2.0x14mm, Ti	3
6188.2015	Screw Holding Forceps	1

Additionally Available

1181.5242	Non-Locking Screw, 2.0x42mm, Ti
1181.5244	Non-Locking Screw, 2.0x44mm, Ti
1181.5246	Non-Locking Screw, 2.0x46mm, Ti
1181.5248	Non-Locking Screw, 2.0x48mm, Ti
1181.5250	Non-Locking Screw, 2.0x50mm, Ti
1181.5255	Non-Locking Screw, 2.0x55mm, Ti
1181.5260	Non-Locking Screw, 2.0x60mm, Ti
7181.5142	Locking Screw, 2.0x42mm, CoCr
7181.5144	Locking Screw, 2.0x44mm, CoCr
7181.5146	Locking Screw, 2.0x46mm, CoCr
7181.5148	Locking Screw, 2.0x48mm, CoCr
7181.5150	Locking Screw, 2.0x50mm, CoCr
7181.5155	Locking Screw, 2.0x55mm, CoCr
7181.5160	Locking Screw, 2.0x60mm, CoCr

ANTHEM® Ti Mini Fragment Fracture System
2.5mm Screw Module 9181.9251

Part No.	Description	Qty	Part No.	Description	Qty
7171.5508	Locking Screw, 2.5x8mm, CoCr	3	1171.6511	Non-Locking Screw, 2.5x11mm, Ti	3
7171.5509	Locking Screw, 2.5x9mm, CoCr	3	1171.6512	Non-Locking Screw, 2.5x12mm, Ti	3
7171.5510	Locking Screw, 2.5x10mm, CoCr	3	1171.6513	Non-Locking Screw, 2.5x13mm, Ti	3
7171.5511	Locking Screw, 2.5x11mm, CoCr	3	1171.6514	Non-Locking Screw, 2.5x14mm, Ti	3
7171.5512	Locking Screw, 2.5x12mm, CoCr	3	1171.6515	Non-Locking Screw, 2.5x15mm, Ti	3
7171.5513	Locking Screw, 2.5x13mm, CoCr	3	1171.6516	Non-Locking Screw, 2.5x16mm, Ti	3
7171.5514	Locking Screw, 2.5x14mm, CoCr	3	1171.6517	Non-Locking Screw, 2.5x17mm, Ti	3
7171.5515	Locking Screw, 2.5x15mm, CoCr	3	1171.6518	Non-Locking Screw, 2.5x18mm, Ti	3
7171.5516	Locking Screw, 2.5x16mm, CoCr	3	1171.6519	Non-Locking Screw, 2.5x19mm, Ti	3
7171.5517	Locking Screw, 2.5x17mm, CoCr	3	1171.6520	Non-Locking Screw, 2.5x20mm, Ti	3
7171.5518	Locking Screw, 2.5x18mm, CoCr	3	1171.6522	Non-Locking Screw, 2.5x22mm, Ti	3
7171.5519	Locking Screw, 2.5x19mm, CoCr	3	1171.6524	Non-Locking Screw, 2.5x24mm, Ti	3
7171.5520	Locking Screw, 2.5x20mm, CoCr	3	1171.6526	Non-Locking Screw, 2.5x26mm, Ti	3
7171.5522	Locking Screw, 2.5x22mm, CoCr	3	1171.6528	Non-Locking Screw, 2.5x28mm, Ti	3
7171.5524	Locking Screw, 2.5x24mm, CoCr	3	1171.6530	Non-Locking Screw, 2.5x30mm, Ti	3
7171.5526	Locking Screw, 2.5x26mm, CoCr	3	1171.6532	Non-Locking Screw, 2.5x32mm, Ti	3
7171.5528	Locking Screw, 2.5x28mm, CoCr	3	1171.6534	Non-Locking Screw, 2.5x34mm, Ti	3
7171.5530	Locking Screw, 2.5x30mm, CoCr	3	1171.6536	Non-Locking Screw, 2.5x36mm, Ti	3
7171.5532	Locking Screw, 2.5x32mm, CoCr	3	1171.6538	Non-Locking Screw, 2.5x38mm, Ti	3
7171.5534	Locking Screw, 2.5x34mm, CoCr	3	1171.6540	Non-Locking Screw, 2.5x40mm, Ti	3
7171.5536	Locking Screw, 2.5x36mm, CoCr	3	1171.6542	Non-Locking Screw, 2.5x42mm, Ti	3
7171.5538	Locking Screw, 2.5x38mm, CoCr	3	1171.6544	Non-Locking Screw, 2.5x44mm, Ti	3
7171.5540	Locking Screw, 2.5x40mm, CoCr	3	1171.6546	Non-Locking Screw, 2.5x46mm, Ti	3
7171.5542	Locking Screw, 2.5x42mm, CoCr	3	1171.6548	Non-Locking Screw, 2.5x48mm, Ti	3
7171.5544	Locking Screw, 2.5x44mm, CoCr	3	1171.6550	Non-Locking Screw, 2.5x50mm, Ti	3
7171.5546	Locking Screw, 2.5x46mm, CoCr	3	1171.6555	Non-Locking Screw, 2.5x55mm, Ti	3
7171.5548	Locking Screw, 2.5x48mm, CoCr	3	1171.6560	Non-Locking Screw, 2.5x60mm, Ti	3
7171.5550	Locking Screw, 2.5x50mm, CoCr	3	1171.6565	Non-Locking Screw, 2.5x65mm, Ti	3
7171.5555	Locking Screw, 2.5x55mm, CoCr	3	1171.6570	Non-Locking Screw, 2.5x70mm, Ti	3
7171.5560	Locking Screw, 2.5x60mm, CoCr	3	1171.6575	Non-Locking Screw, 2.5x75mm, Ti	3
7171.5565	Locking Screw, 2.5x65mm, CoCr	3	1171.6580	Non-Locking Screw, 2.5x80mm, Ti	3
7171.5570	Locking Screw, 2.5x70mm, CoCr	3	1171.6585	Non-Locking Screw, 2.5x85mm, Ti	3
7171.5575	Locking Screw, 2.5x75mm, CoCr	3	1181.6308	Speed Screw, 2.5x8mm, Ti	3
7171.5580	Locking Screw, 2.5x80mm, CoCr	3	1181.6310	Speed Screw, 2.5x10mm, Ti	3
7171.5585	Locking Screw, 2.5x85mm, CoCr	3	1181.6312	Speed Screw, 2.5x12mm, Ti	3
1171.6508	Non-Locking Screw, 2.5x8mm, Ti	3	1181.6314	Speed Screw, 2.5x14mm, Ti	3
1171.6509	Non-Locking Screw, 2.5x9mm, Ti	3	6188.2015	Screw Holding Forceps	1
1171.6510	Non-Locking Screw, 2.5x10mm, Ti	3			

IMPORTANT INFORMATION ON THE ANTHEM® MINI FRAGMENT FRACTURE SYSTEM

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, 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 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, 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.

IMPORTANT INFORMATION ON THE ANTHEM® MINI FRAGMENT FRACTURE SYSTEM

- 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 in a container/pouch. 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.

SYMBOL TRANSLATION			
REF	CATALOGUE NUMBER	STERILE R	STERILIZED BY IRRADIATION
LOT	LOT NUMBER	EC REP	AUTHORISED REPRESENTATIVE IN THE EUROPEAN COMMUNITY
⚠	CAUTION		MANUFACTURER
	SINGLE USE ONLY		USE BY (YYYY-MM-DD)
QTY	QUANTITY	Rx ONLY	PRESCRIPTION USE ONLY

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