

## Arthrex Mini Fragment System

The Arthrex Mini Fragment (or “Mini Frag”) System expands our plating portfolio and provides the most comprehensive offering of 2.0 mm, 2.4 mm, and 2.7 mm plates on the market. This system responds to the increasing market shift to fragment-specific plating and using small plates as adjuncts to other means of adjunct fixation.



The modular tray offers screw and plate options in 2.0 mm, 2.4 mm, and 2.7 mm. With a variety of plates to fit a multitude of trauma needs, the Mini Frag System is a keystone addition to the Arthrex Trauma lineup that includes the following additions and improvements over the current Arthrex Mini Comprehensive Fixation System (CFS) and competitive systems:

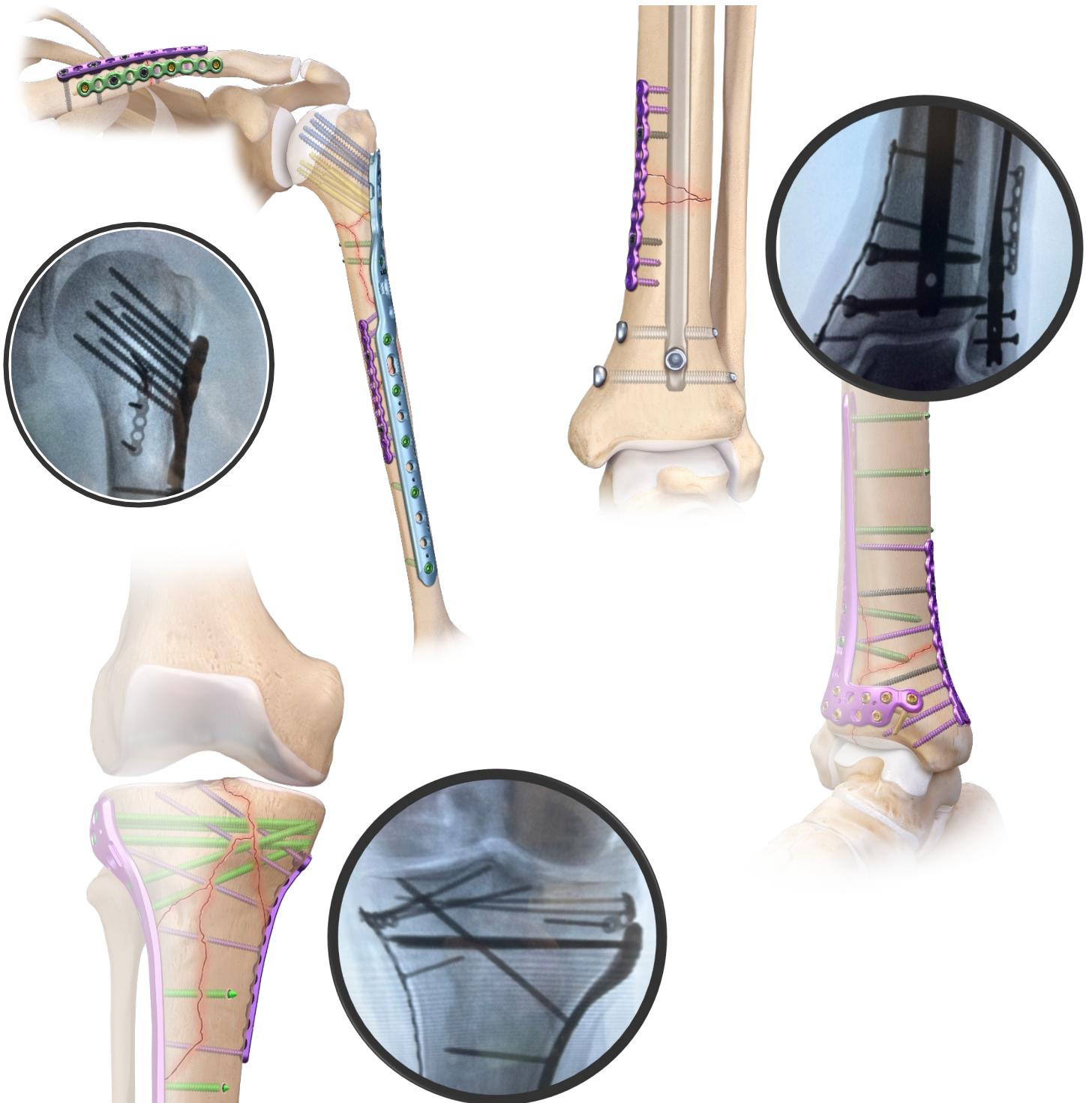
- **NEW: 2.7 mm titanium plating options with 23 different plate sizes and styles**
- A range of reduction instruments as well as 6 plate bending and cutting options
- Reinforced plating options in all 3 plate sizes/ 2.4 mm and 2.7 mm sizes also have 20-hole plate options
- 2.0 mm screws in lengths up to 40 mm, and 2.4 mm and 2.7 mm screws up to 80 mm
- Standard AO connections for all systems **including 2.0 mm**
- Reduced tray footprint and caddy carrying case to facilitate intraoperative efficiency

## Mini Frag System Applications

The addition of the 2.7 mm module to the Arthrex portfolio opens the door to a variety of new cases potentially serves as adjunct fixation for many existing Arthrex systems.

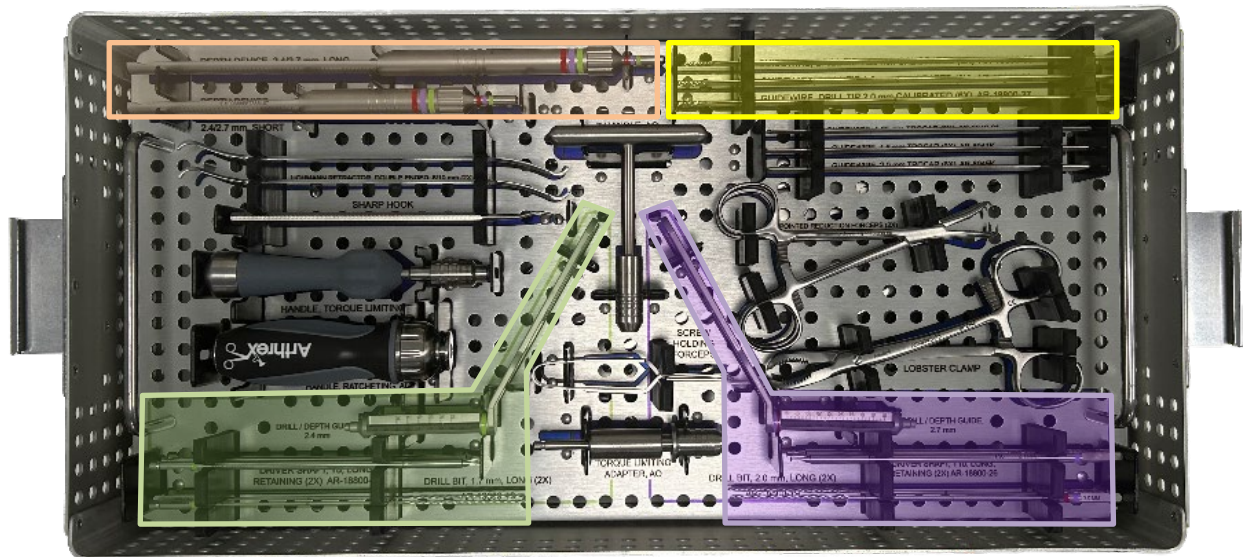
### Indications:

The Arthrex Mini Fragment System is indicated for fracture fixation, reconstruction, replantation, stabilization, reduction, fusions, osteotomies, mal-unions, and non-unions of small bones and small bone fragments including normal and osteopenic bones in adult and adolescent (12-21 year) patients. The system is also indicated for non-load-bearing stabilization and reduction of bone fragments in long bones.



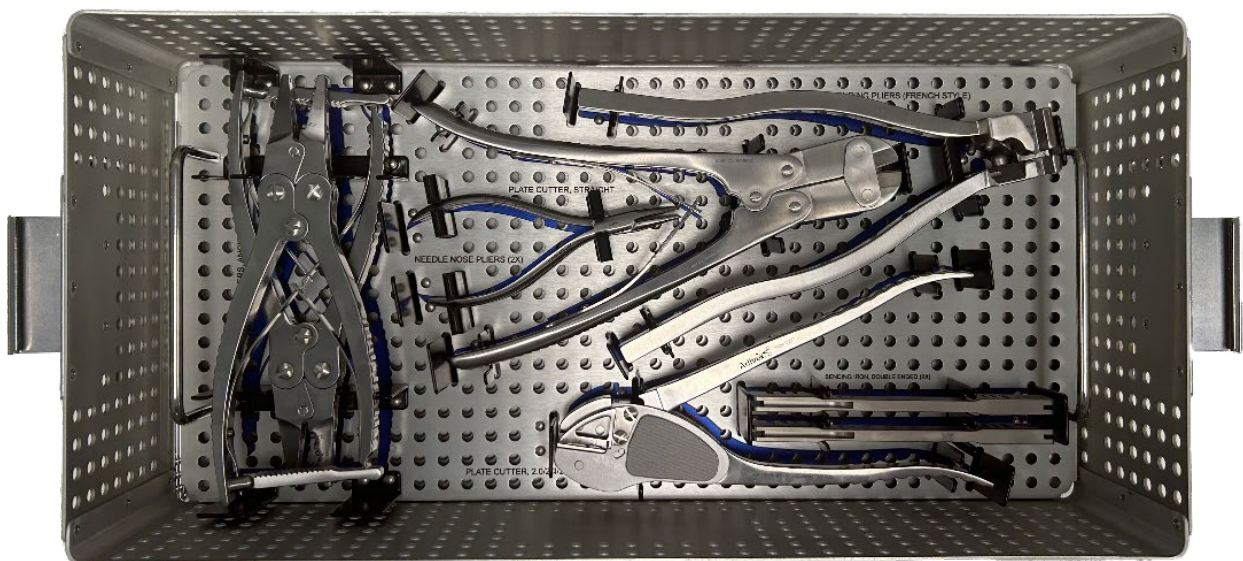
## Tray Layout

### Auxiliary Instrument Tray



The top layer of the Auxiliary Instrument Tray contains general instruments such as double ended hohmanns, a dental pick, screwdriver handles, a torque-limiting adapter, reduction clamps, and K-wires. There are also several new instruments in this system:

- |   |   |   |   |
|---|---|---|---|
|   | 2.4 and 2.7mm long and short depth gauges |   | Drill tip K-wires (1.25 mm, 1.6 mm, and 2.0 mm) |
|  | 2.4 mm long instrumentation               |  | 2.7 mm long instrumentation                     |



The bottom layer contains the plate bending and cutting options, including straight and rounded plate cutters, French bending pliers, captured bending pliers, bending irons, and needle-nose pliers.

# Tray Layout

## 2.7 mm Caddy (Purple)



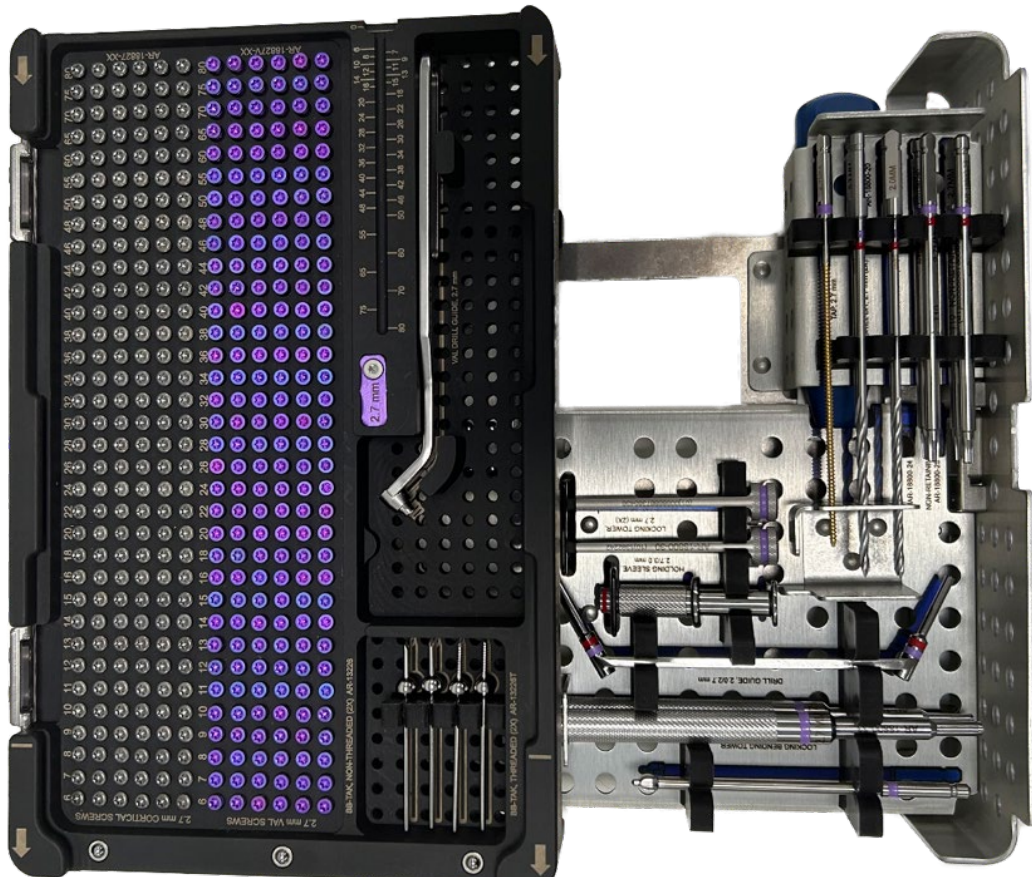
The 2.7 mm module houses the 2.7 mm plates, screws, and standard instrumentation. The Long instrumentation and depth gauges are found in the general instrument tray.

### Plate and Screw Features:

- 23 plate options – From 4 to 20 holes in length
- Lengths from 29 mm – 141 mm
- 6, 10, and 20 hole wide T Plate options
- 6 and 10 hole tine plate options
- Standard Plate Thickness: 1.4 mm
- Reinforced plate thickness: 2.2 mm
- Multiple Screw options
  - 2.7 mm cortical: 6 mm to 80 mm
  - 2.7 mm variable-angle locking (VAL): 6 mm to 80 mm
  - Compatible with 3.0 screws from CFS (Order separately)
    - 3.0 mm VAL and& KreuLock™ VAL screws
    - 3.0 mm Hybrid VAL and KreuLock VAL screws

Note: 3.0 mm screws will not fit in the 2.7 mm screw caddy

- Updated AO connections for all instrumentation



# Tray Layout

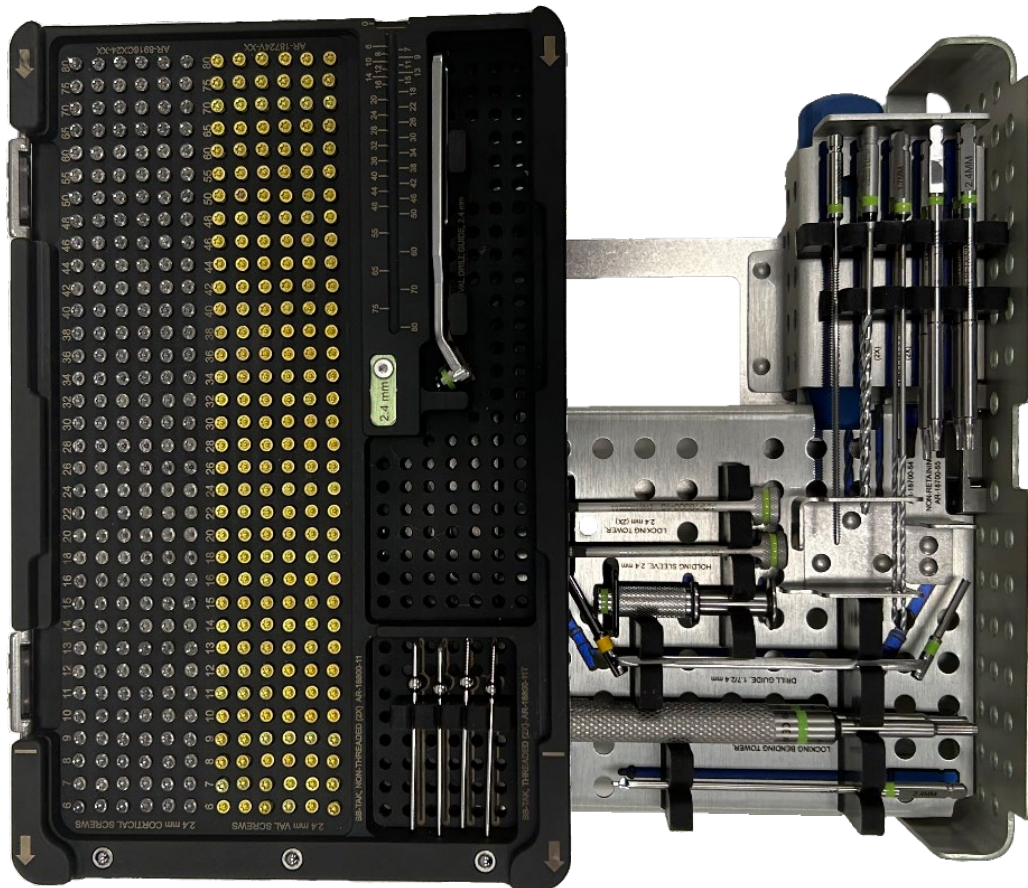
## 2.4 mm Caddy (Green)



The 2.4 mm Module houses the 2.4 mm plates, screws, and standard instrumentation. The long instrumentation and depth gauges can be found in the general instrument tray.

### Plate & Screw Features:

- 19 plate options – From 6 to 20 holes in length
- 40 – 131 mm in length
- Standard Plate Thickness: 1.2 mm
- Reinforced Plate Thickness: 1.5 mm
- Multiple Screw options
  - 2.4 mm Cortical: 6 – 80 mm
  - 2.4 mm Variable Angle Locking: 6 – 80 mm
  - Compatible with 2.4 mm Ti screws from CFS (Including 2.4 mm Ti KreuLock Screws, order separately)
- Updated AO connections for all instrumentation



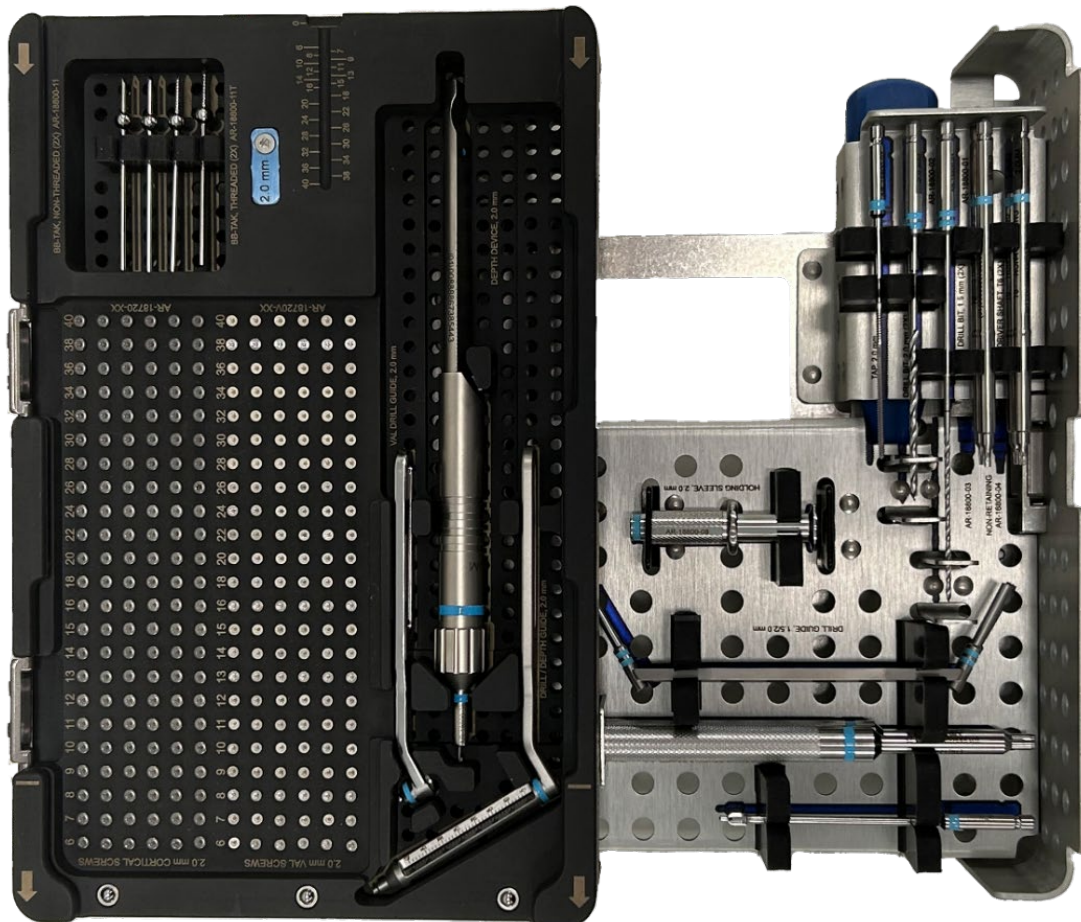
# Tray Layout

## 2.0 mm Caddy (Blue)

The 2.0 mm module houses the 2.0 mm plates, screws, and instrumentation, including a traditional depth gauge.

### Plate and Screw Features:

- 18 plate options
- Lengths from 36 mm to 77 mm
- Standard plate thickness: 1.2 mm
- Reinforced plate thickness: 1.3 mm
- Multiple screw options
  - 2.0 mm cortical: 6 mm to 40 mm
  - 2.0 mm VAL: 6 mm to 40 mm
- Updated AO connections for all instrumentation



# Pearls

- **Tray Color Coding**
  - BLUE: 2.0 mm instrumentation and implants
  - GREEN: 2.4 mm instrumentation and implants
  - PURPLE: 2.7 mm instrumentation and implants
- **Caddy-only Options**
  - The 2.0 mm caddy can be used as a standalone caddy as it contains all the necessary instrumentation
  - The 2.4 mm and 2.7 mm caddies must be paired with the depth gauges from the auxiliary instrument tray and the long instrumentation for screws over 50 mm
- **Drill Bit Sizing**
  - For screws over 50 mm, use the double laser line on the long drill bit for measurement

Plate Size	Color	Short Drill Bit	Long Drill Bit	Lag Drill Bit	Drill Tip Guidewire
2.0 mm	Blue	1.5 mm (AR-18800-01)	N/A	2.0 mm (AR-18800-02)	1.25 mm (AR-18800-35)
2.4 mm	Green	1.7 mm (AR-18800-49)	1.7 mm (AR-18800-16)	2.4 mm (AR-4160-24)	1.6 mm (AR-18800-36)
2.7 mm	Purple	2.0 mm (AR-18800-18)	2.0 mm (AR-18800-19)	2.7 mm (AR-18800-20)	2.0 mm (AR-18800-37)

- **Long Instrumentation**
  - The following instrumentation is NOT contained in the size-specific caddies:
    - 2.4 mm and 2.7 mm short and long depth gauges
    - 2.4 mm and 2.7 mm drill/depth Guides – for VAL screws with calibrated drill bit
    - 2.4 mm and 2.7 mm long drivers
    - 2.4 mm and 2.7 mm long drill bits
  - NOTE: If you're splitting up the caddies, be sure to have the desired 2.4 mm/2.7 mm depth gauge peel packed if you don't plan on using the auxiliary instruments tray.
- **KreuLock™ Screws**
  - 2.4 mm Ti KreuLock screws up to 40 mm can be kept in the 2.4 mm tray (must be ordered separately)
  - 3.0 mm and 3.0 mm hybrid Ti KreuLock screws **DO NOT** fit in the 2.7 mm caddy
  - However, 3.0 mm and 3.0 mm hybrid KreuLock screws can be used with the 2.7 mm Plates

- **Screw Instrumentation Options for VAL and Cortical Screws**





There are several techniques for VAL & Cortical Screws:

- Freehand drill sleeve & depth gauge
- Freehand VAL cone guide & depth gauge
- Freehand VAL extended drill/depth guide with long calibrated drill
- Locking drill guide with long calibrated drill
- Calibrated drill-tip K-wires can be used through locking guides

- **Screw Compatibility**

Plate	2.0 Ti Cortical	2.0 Ti VAL	2.4 Ti Cortical	2.4 Ti VAL	2.4 Ti VAL KreuLock	2.7 Ti Cortical	2.7 Ti VAL	3.0 Ti VAL	3.0 Ti VAL KreuLock	3.0 Ti VAL Hybrid	3.0 Ti VAL Hybrid KreuLock
2.0	X	X									
2.4			X	X	X						
2.7						X	X	X	X	X	X

# Plate Summary

Plate Shape	2.0 mm Plate Thickness: 1.2 mm Reinforced Plate Thickness: 1.3 mm	2.4 mm Plate Thickness: 1.25 mm Reinforced Plate Thickness: 1.5 mm	2.7 mm Plate Thickness: 1.4 mm Reinforced Plate Thickness: 2.2 mm
<b>Rotation Correction Plate</b> 	5-hole, 37 mm AR-18720P-48		
<b>Straight Plate</b> 	6-hole, 36 mm AR-18720P-03 10-hole, 61 mm AR-18720P-07	6-hole, 40 mm AR-18724P-03 10-hole, 68 mm AR-18724P-07 20-hole, 131 mm AR-18724P-55	4-hole, 26 mm, AR-18827P-01 6-hole, 43 mm, AR-18827P-03 8-hole, 57 mm, AR-18827P-05 10-hole, 72 mm, AR-18827P-07 20-hole, 141 mm, AR-18827P-08
<b>Reinforced Straight Plate</b> 	6-hole, 36 mm AR-18720P-24 8-hole, 48 mm AR-18720P-26	6-hole, 40 mm AR-18724P-17 8-hole, 53 mm AR-18724P-19 20-hole, 131 mm AR-18724P-56	4-hole, 26 mm, AR-18827P-09 6-hole, 43 mm, AR-18827P-11 8-hole, 57 mm, AR-18827P-13 10-hole, 72 mm, AR-18827P-15 20-hole, 141 mm, AR-18827P-16
<b>Bridge Plate</b> 	6-hole, 40 mm AR-18720P-55	6-hole, 46 mm AR-18724P-34	
<b>Cage Plate</b> 	2 x 5 hole, 35 mm AR-18720P-49	2 x 5 hole, 45 mm AR-18724P-54	
<b>Hook Plate</b> 			6-hole, 44 mm, AR-18827P-38 10-hole, 73 mm, AR-18827P-39
<b>2-Hole T-Plate</b> 	6-hole, 42 mm AR-18720P-17 8-hole, 54 mm AR-18720P-19	6-hole, 46 mm AR-18724P-10 8-hole, 60 mm AR-18724P-12	6-hole, 49 mm, AR-18827P-26 10-hole, 78 mm, AR-18827P-30
<b>2-Hole Reinforced T-Plate</b> 	6-hole, 42 mm AR-18720P-31 8-hole, 54 mm AR-18720P-33	6-hole, 46 mm AR-18724P-42 8-hole, 60 mm AR-18724P-44	
<b>3-Hole T-Plate</b> 			6-hole, 51 mm, AR-18827P-19 10-hole, 79 mm, AR-18827P-23
<b>3-Hole Reinforced T-Plate</b> 			6-hole, 51 mm, AR-18827P-47 10-hole, 79 mm, AR-18827P-48
<b>Y-Plate</b> 	6-hole, 45 mm AR-18720P-10 8-hole, 57 mm AR-18720P-12	6-hole, 50 mm AR-18724P-49 8-hole, 65 mm AR-18724P-51	
<b>V-Plate</b> 	6-hole, 52 mm AR-18720P-37 10-hole, 77 mm AR-18720P-41	6-hole, 57 mm AR-18724P-23 10-hole, 84 mm AR-18724P-27	
<b>Triangular Plate</b> 	8-hole, 57 mm AR-18720P-54	8-hole, 65 mm AR-18724P-39	6-hole, 54 mm, AR-18827P-33 10-hole, 83 mm, AR-18827P-37
<b>Wide T-Plate</b> 	6-hole, 43 mm AR-18720P-43 10-hole, 68 mm AR-18720P-47	6-hole, 48 mm AR-18724P-29 10-hole, 75 mm AR-18724P-33	6-hole, 51 mm, AR-18827P-41 10-hole, 79 mm, AR-18827P-45 20-hole, 141 mm, AR-18827P-46



## Ordering Information

<b>Instruments (AR-18800FS)</b>	
<b>2.0 mm Caddy Instruments</b>	
Drill Guide, VAL, cone shaped, 2.0 mm	AR-18700-61
Driver Shaft, T6, self-retaining, AO	AR-18800-03
Driver Shaft, T6, non-retaining, AO	AR-18800-04
Screwdriver, T6 hexalobe, solid	AR-18800-05
Holding Sleeve, 2.0 mm	AR-18800-08
Locking Bending Tower, 2.0 mm	AR-18800-09
Depth/Drill Guide, 2.0 mm	AR-18700-37
Depth Device, 2.0 mm	AR-18800-38
Drill Guide, 1.5 mm/2.0 mm	AR-18800-48
<b>2.4 mm Caddy Instruments</b>	
Driver Shaft, T8, self-retaining, AO	AR-18700-54
Driver Shaft, T8, non-retaining, AO	AR-18700-55
Drill Guide, VAL, cone shaped, 2.4 mm	AR-18700-62
Screwdriver, T8 hexalobe, solid	AR-18800-14
Locking Tower, 2.4 mm	AR-18800-15
Holding Sleeve, 2.4 mm	AR-18700-38
Drill Guide, 1.7 mm/2.5 mm	AR-8916-05
Bending Guide, locking, 2.4 mm	AR-8950-08
<b>2.7 mm Caddy Instruments</b>	
Drill Guide, 2.0 mm/2.7 mm	AR-18800-22
Driver Shaft, T10, self-retaining, AO	AR-18800-24
Driver Shaft, T10, non-retaining, AO	AR-18800-25
Screwdriver, T10, solid	AR-18800-27
Locking Tower, 2.7 mm	AR-18800-30
VAL Guide, cone style, 2.7 mm	AR-18800-31
Holding Sleeve, 2.7 mm	AR-18800-32
Locking Bending Tower, 2.7 mm	AR-18800-33
<b>General Instruments</b>	
Torque Limiting Adaptor, AO, 0.8 nm	AR-18700-39
Reduction Forceps, pointed	AR-18700-45
Hohmann Retractor, double ended, 6 mm/10 mm	AR-18700-53
Driver Shaft, T8, long, self-retaining	AR-18800-13
Driver Shaft, T10, long, self-retaining	AR-18800-26
Drill / Depth Guide, 2.7 mm	AR-18800-29
Depth Device, 2.4 mm/2.7 mm, short	AR-18800-39
Depth Device, 2.4 mm/2.7 mm, long	AR-18800-40
T-Handle, AO	AR-18800-41
Plate Cutter, 2.0 mm/2.4 mm/2.7 mm	AR-18800-42
Bending Pliers, angled, left	AR-18800-43
Bending Iron, double ended	AR-18800-44
Drill/Depth Guide, 2.4 mm	AR-18800-45
Bending Pliers, angled, right	AR-18800-46
Bending Pliers, French style	AR-18800-47
Mini Fragment System Case	AR-18800C
2.0 mm/2.4 mm/2.7 mm	
Handle, ratcheting, AO, QC	AR-8700RH
Needlenose Pliers	AR-8916-24
Torq Limiting Handle, 0.8 nm, QC	AR-8916TL-011
Screw Holding Forceps, self-retaining	AR-8941F
Sharp Hook	AR-8943-21
Lobster Claw	AR-8943-23
Plate Cutter, straight cut	AR-8957-06
Mini Fragment System Case and Caddies	AR-18800C
2.0 mm/2.4 mm/2.7 mm	

<b>Implants and Disposables (AR-18800FI)</b>	
<b>2.0 mm Caddy Implants</b>	
Straight Plate, 2.0 mm, 6-hole	AR-18720P-03
Straight Plate, 2.0 mm, 10-hole	AR-18720P-07
Y-Plate, 2.0 mm, 6-hole	AR-18720P-10
Y-Plate, 2.0 mm, 8-hole	AR-18720P-12
T-Plate, 2.0 mm, 6-hole	AR-18720P-17
T-Plate, 2.0 mm, 8-hole	AR-18720P-19
Straight Plate, 2.0 mm, 6-hole, reinforced	AR-18720P-24
Straight Plate, 2.0 mm, 8-hole, reinforced	AR-18720P-26
T-Plate, 2.0 mm, 6-hole, reinforced	AR-18720P-31
T-Plate, 2.0 mm, 8-hole, reinforced	AR-18720P-33
V-Plate, 2.0 mm, 6-hole	AR-18720P-37
V-Plate, 2.0 mm, 10-hole	AR-18720P-41
Wide T-Plate, 2.0 mm, 6-hole	AR-18720P-43
Wide T-Plate, 2.0 mm, 10-hole	AR-18720P-47
T-Plate Rotation Correction, 2.0 mm, 5-hole	AR-18720P-48
Cage Plate, 2.0 mm, 2 x 5 hole	AR-18720P-49
Triangle Plate, 2.0 mm, 8-hole	AR-18720P-54
Bridge Plate, straight, 2.0 mm, 6-hole	AR-18720P-55
Low Profile Screw, cortical, 2.0 mm x 6.0 mm – 15 mm (1 mm increments)	AR-18720-06 - 15
VAL Screw, Ti, 2.0 mm x 6.0 mm – 15 mm (1 mm increments)	AR-18720V-06 - 15
Low Profile Screw, cortical, 2.0 mm x 16 mm – 40 mm (2 mm increments)	AR-18720-16 - 40
VAL Screw, Ti, 2.0 mm x 16 mm – 40 mm (2 mm increments)	AR-18720V-16 - 40
<b>2.0 mm Caddy Disposables</b>	
BB-Tak, nonthreaded	AR-18800-11
BB-Tak, threaded	AR-18800-11T
Drill Bit, 1.5 mm, AO	AR-18800-01
Drill Bit, 2.0 mm, AO	AR-18800-02
Countersink, 2.0 mm	AR-18800-06
Bone Tap, 2.0 mm	AR-18800-07
<b>2.4 mm Caddy Implants</b>	
Straight Plate, 2.4 mm, 6-hole	AR-18724P-03
Straight Plate, 2.4 mm, 10-hole	AR-18724P-07
T-Plate, 2.4 mm, 6-hole	AR-18724P-10
T-Plate, 2.4 mm, 8-hole	AR-18724P-12
Straight Plate, 2.4 mm, 6-hole, reinforced	AR-18724P-17
Straight Plate, 2.4 mm, 8-hole, reinforced	AR-18724P-19
V-Plate, 2.4 mm, 6-hole	AR-18724P-23
V-Plate, 2.4 mm, 10-hole	AR-18724P-27
Wide T-Plate, 2.4 mm, 6-hole	AR-18724P-29
Wide T-Plate, 2.4 mm, 10-hole	AR-18724P-33
Bridge Plate, straight, 2.4 mm, 6-hole	AR-18724P-34
Triangle Plate, 2.4 mm, 8-hole	AR-18724P-39
T-Plate, 2.4 mm, 6-hole, reinforced	AR-18724P-42
T-Plate, 2.4 mm, 8-hole, reinforced	AR-18724P-44
Y-Plate, 2.4 mm, 6-hole	AR-18724P-49
Y-Plate, 2.4 mm, 8-hole	AR-18724P-51
Cage Plate, 2.4 mm, 2 x 5 hole	AR-18724P-54
Straight Plate, 2.4 mm, 20-hole	AR-18724P-55
Straight Plate, 2.4 mm, 20-hole, reinforced	AR-18724P-56
VAL Screw, Ti, 2.4 x 6.0 mm - 15 mm (1 mm increments)	AR-18724V-06 - 15
Cortical Screw, 2.4 mm x 6.0 mm - 15 mm (1 mm increments)	AR-8916CX24-06 - 15
VAL Screw, Ti, 2.4 mm x 16 mm - 50 mm (2 mm increments)	AR-18724V-16 - 50
Cortical Screw, 2.4 mm x 16 mm - 50 mm (2 mm increments)	AR-8916CX24-16 - 50
VAL Screw, Ti, 2.4 mm x 55 mm - 80 mm (5 mm increments)	AR-18724V-55 - 80
Cortical Screw, 2.4 mm x 55 mm - 80 mm (5 mm increments)	AR-8916CX24-55 - 80
<b>2.4 mm Caddy Disposables</b>	
BB-Tak, nonthreaded	AR-18800-11
BB-Tak, threaded	AR-18800-11T
Drill Bit, Ø1.7mm	AR-18800-49
Drill Bit, 2.4 mm	AR-4160-24
Bone Tap, 2.4 mm	AR-18800-17
Countersink, 2.4 mm	AR-8950-01

<b>Implants and Disposables (AR-18800FI), cont.</b>	
<b>2.7 mm Caddy Implants</b>	
Straight Plate, 2.7 mm, 4-hole	AR-18827P-01
Straight Plate, 2.7 mm, 6-hole	AR-18827P-03
Straight Plate, 2.7 mm, 8-hole	AR-18827P-05
Straight Plate, 2.7 mm, 10-hole	AR-18827P-07
Straight Plate, 2.7 mm, 20-hole	AR-18827P-08
Straight Plate, 2.7 mm, 4-hole, reinforced	AR-18827P-09
Straight Plate, 2.7 mm, 6-hole, reinforced	AR-18827P-11
Straight Plate, 2.7 mm, 8-hole, reinforced	AR-18827P-13
Straight Plate, 2.7 mm, 10-hole, reinforced	AR-18827P-15
Straight Plate, 2.7 mm, 20-hole, reinforced	AR-18827P-16
T-Plate, 2.7 mm, 3-hole head, 6-hole	AR-18827P-19
T-Plate, 2.7 mm, 3-hole head, 10-hole	AR-18827P-23
T-Plate, 2.7 mm, 2-hole head, 6-hole	AR-18827P-26
T-Plate, 2.7 mm, 2-hole head, 10-hole	AR-18827P-30
Triangular Plate, 2.7 mm, 6-hole	AR-18827P-33
Triangular Plate, 2.7 mm, 10-hole	AR-18827P-37
Tine Plate, 2.7 mm, 6-hole	AR-18827P-38
Tine Plate, 2.7 mm, 10-hole	AR-18827P-39
Wide T-Plate, 2.7 mm, 6-hole	AR-18827P-41
Wide T-Plate, 2.7 mm, 10-hole	AR-18827P-45
Wide T-Plate, 2.7 mm, 20-hole	AR-18827P-46
T-Plate, 2.7 mm, 3-hole head, reinforced, 6-hole	AR-18827P-47
T-Plate, 2.7 mm, 3-hole head, reinforced, 10-hole	AR-18827P-48
Cortical Screw, 2.7 mm × 6.0 mm – 15 mm (1 mm increments)	AR-18827V-06 - 15
VAL Screw, 2.7 mm × 6.0 mm - 15 mm (1 mm increments)	AR-18827V-06 - 15
Cortical Screw, 2.7 mm × 16 mm - 50 mm (2 mm increments)	AR-18827-16 - 50
VAL Screw, 2.7 mm × 16 mm - 50 mm (2 mm increments)	AR-18827V-16 - 50
Cortical Screw, 2.7 mm × 55 mm - 80 mm (5 mm increments)	AR-18827-55 - 80
VAL Screw, 2.7 mm × 55 mm - 80 mm (5 mm increments)	AR-18827V-55 - 80
<b>2.7 mm Caddy Disposables</b>	
BB-Tak	AR-13226
BB-Tak, threaded	AR-13226T
Drill Bit, 2.0 mm, short, AO	AR-18800-18
Drill Bit, 2.7 mm, AO	AR-18800-20
Countersink, 2.7 mm	AR-18800-23
Bone Tap, 2.7mm	AR-18800-34
<b>General Instrument Disposables</b>	
Drill Bit, 1.7 mm, long	AR-18800-16
Drill Bit, 2.0 mm, long, AO	AR-18800-19
Guidewire, drill tip, 1.25 mm	AR-18800-35
Guidewire, drill tip, 1.6 mm	AR-18800-36
Guidewire, drill tip, 2.0 mm	AR-18800-37
Guidewire w/ Trocar Tip, .062 in	AR-8941K
Guidewire w/ Trocar Tip, 1.35 mm	AR-8943-01
Guidewire w/Trocar Tip, .078 in × 5.91 in, 2 mm × 150 mm	AR-8945K