GLOBUS MEDICAL

# CAPTIVATE™ SOLA

## Headless Compression Screw System

Life moves us

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

# SURGICAL TECHNIQUE GUIDE

# CAPTIVATE™ SOLA

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## Headless Compression Screw System

The CAPTIVATE™ SOLA Headless Compression Screw System offers a flexible and efficient solution to address fracture repair, bone reconstruction, osteotomy, and arthrodesis procedures through ample implant options and shared instruments for paired screw sizes.

Screw diameters include 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.5, 6.5, and 7.5mm in lengths ranging from 10-140mm. All screws are available in stainless steel and titanium alloy, with options for short and long partial threads.

Small and large modular graphic cases house all nine screw diameters and corresponding instrument modules.

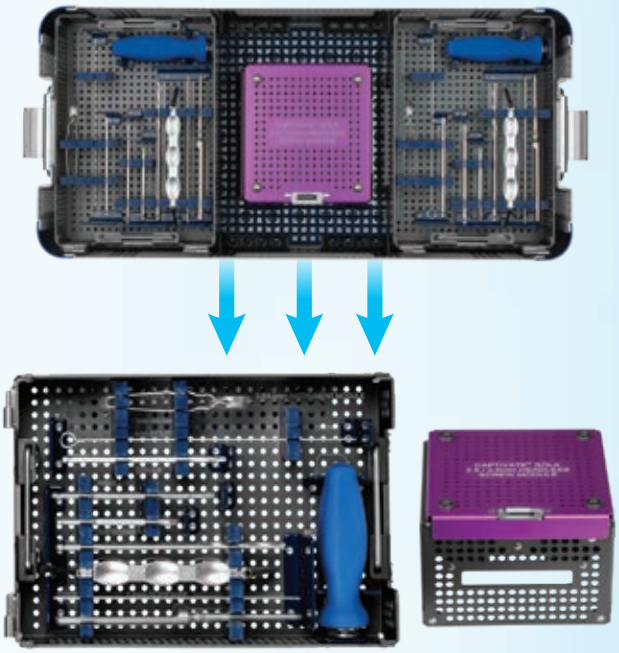
| CAPTIVATE™ SOLA Small Headless Screw System | | | CAPTIVATE™ SOLA Large Headless Screw System | |
|---|---|---|---|---|
| 2.0mm | 2.5, 3.0mm | 3.5, 4.0mm | 4.5, 5.5mm | 6.5, 7.5mm |

## Comprehensive

- Screw sizes include 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.5, 6.5, and 7.5mm
- Broad range of screw lengths from 10-140mm
- Partially threaded screws (short and long thread options)
- Available in stainless steel and titanium alloy

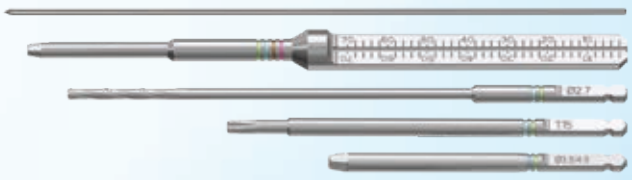
## Modular

- Small screw system supports 5 screw diameters (2.0mm and paired 2.5, 3.0mm and 3.5, 4.0mm), along with three corresponding instrument modules
- Large screw system supports four screw diameters, paired 4.5, 5.5mm and 6.5, 7.5mm, along with two corresponding instrument modules
- Instrument module lids allow for independent use of screw modules, increasing system flexibility



## Efficient

- Shared instruments across screw sizes allow for seamless transition between paired screws
- Intuitive graphic case design and color-coded instruments for efficient procedural flow
- Differential pitch in the screw head thread and distal thread, along with self-drilling and self-tapping flutes to streamline insertion



# **IMPLANT** OVERVIEW

### Partially Threaded

- Short and long thread length options
- Differential pitch in the head and distal threads

### Hexalobe Driver Socket

- Designed to optimize torque transmission and resist stripping

### Head with Cutting Flutes

- To aid in countersinking and reduce insertion torque

### Reverse Cutting Flutes

- To facilitate screw removal

### Self-Drilling and Self-Tapping

- For ease of insertion
- Streamlines the procedure

| CAPTIVATE™ SOLA Small Headless Screw System (SS & Ti) | | | | | |
|---|---|---|---|---|---|
| **Screw Diameter** | 2.0mm | 2.5mm | 3.0mm | 3.5mm | 4.0mm |
| **Color-Coding** | ● Blue | ● Pink | ● Bronze | ● Aqua | ● Light Green |
| **Screw Lengths (Short Thread)** | 10-30mm (2mm increments) | 10-20mm (1mm increments) 20-40mm (2mm increments) | | 14-50mm (2mm increments) | 14-60mm (2mm increments) |
| **Thread Lengths (Short Thread)** | 4-8mm* | 4-10mm* | | 4.5-13mm* | 5-15mm* |
| **Screw Lengths (Long Thread)** | 20-30mm (2mm increments) | 14-40mm (1mm increments) 20-40mm (2mm increments) | | 24-50mm (2mm increments) | 24-60mm (2mm increments) |
| **Thread Lengths (Long Thread)** | 8-12mm** | 8-16mm** | | 10-20mm** | 10-24mm** |
| **Guidewire (Diameter/Length)** | 0.8/100mm | 1.1/150mm | | 1.4/150mm | |
| **Cannulated Drill Bit (Diameter)** | 1.6mm | 2.0mm | | 2.7mm | |
| **Cannulated Driver Size** | T6 | T8 | | T15 | |

| CAPTIVATE™ SOLA Large Headless Screw System (SS & Ti) | | | | |
|---|---|---|---|---|
| **Screw Diameter** | 4.5mm | 5.5mm | 6.5mm | 7.5mm |
| **Color-Coding** | ● Light Purple | ● Light Blue | ● Green | ● Blue |
| **Screw Lengths (Short Thread)** | 20-50mm (2mm increments) 55-110mm (5mm increments) | | 30-130mm (5mm increments) | 30-140mm (5mm increments) |
| **Thread Lengths (Short Thread)** | 8-28mm* | 8.5-28mm* | 16mm | |
| **Screw Lengths (Long Thread)** | 30-50mm (2mm increments) 55-110mm (5mm increments) | | 45-130mm (5mm increments) | 45-140mm (5mm increments) |
| **Thread Lengths (Long Thread)** | 12-44mm** | 12-44mm** | 32mm | |
| **Guidewire (Diameter/Length)** | 1.6/220mm | | 2.8/220mm | |
| **Cannulated Drill Bit (Diameter)** | 3.9mm | | 5.0mm | |
| **Cannulated Driver Size** | T20 | | T30 | |

**Short Thread = Approximately 25% of Screw Length*
***Long Thread = Approximately 40% of Screw Length*

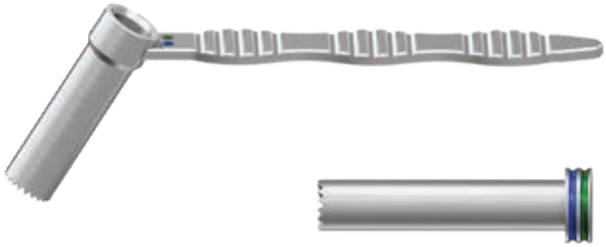
# **SYSTEM** OVERVIEW

## Cobalt Chrome Guidewires

- Higher bending stiffness compared to stainless steel guidewires
- Designed to minimize deflection during wire insertion

## Soft Tissue Protectors

- Guidewire sleeves and tissue protectors available in 4.5/5.5mm and 6.5/7.5mm instrument modules
- Designed to protect soft tissue during guidewire placement, drilling, countersinking, and screw insertion



## Double Sided Drill Guides

- One instrument to aid in precise guidewire placement and pre-drilling

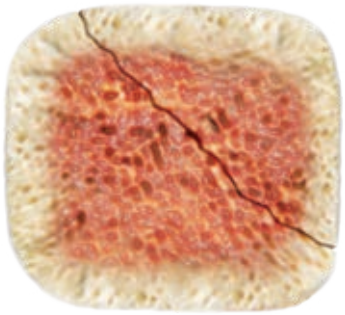
# SURGICAL TECHNIQUE

# CAPTIVATE™ SOLA

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

## STEP 1 Fracture Identification

Identify the fracture line and make the appropriate minimally invasive incision.

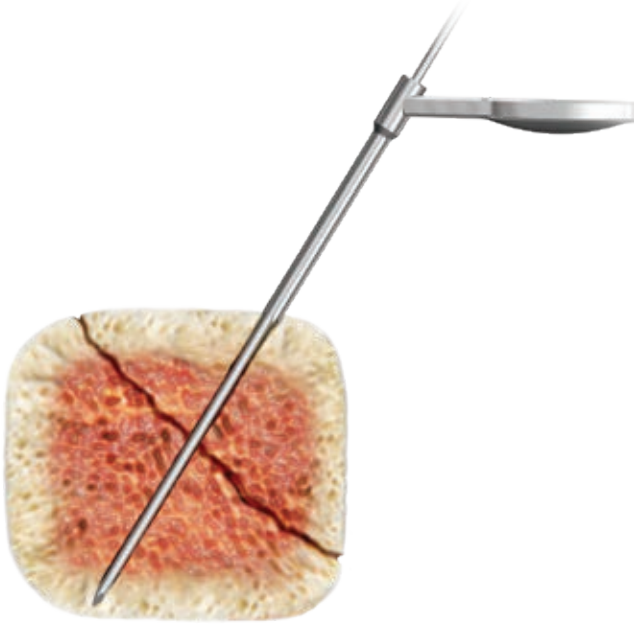


Identifying Fracture Line

## STEP 2 Guidewire Insertion

Select the appropriate **Guidewire** and **Double Sided Drill Guide** for the chosen screw diameter.

Position the guidewire end of the double sided drill guide as perpendicular as possible to the fracture line. Advance the guidewire through the guidewire end of the double sided drill guide and proceed to the appropriate depth. Confirm position of the guidewire using fluoroscopy.



Inserting Guidewire

# Guidewire Insertion (Cont'd)

## Optional

Guidewires may be inserted through the **Soft Tissue Protector Sleeve** for 4.5/5.5mm and 6.5/7.5mm screws. Insert the **Guidewire Sleeve** into the sleeve of the tissue protector.

Repeat the same steps for guidewire insertion as previously described with the double sided drill guide. After guidewire placement, the guidewire sleeve may be removed from the sleeve of the tissue protector as all subsequent steps can be performed through the sleeve of the tissue protector alone.

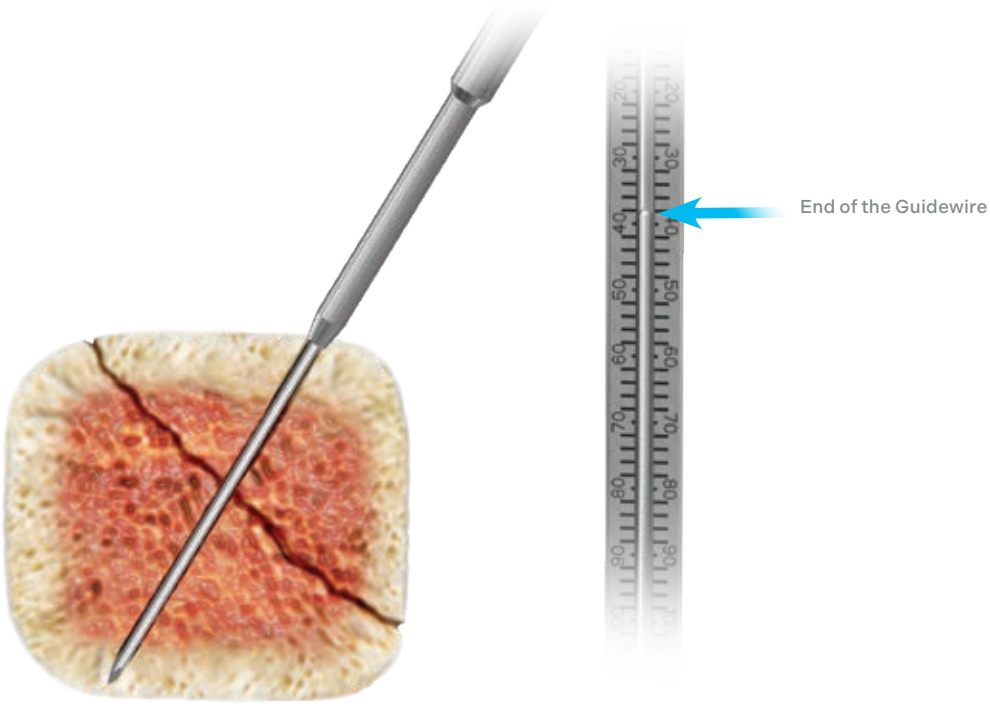
| Screw Diameter | Guidewire (Diameter/Length) | Soft Tissue Protector |
|---|---|---|
| ●● 4.5/5.5mm | 1.6mm Guidewire/220mm | 4.5/5.5mm Tissue Protector & Guidewire Sleeve |
| ●● 6.5/7.5mm | 2.8mm Guidewire/220mm | 6.5/7.5mm Tissue Protector & Guidewire Sleeve |

Guidewire sleeve

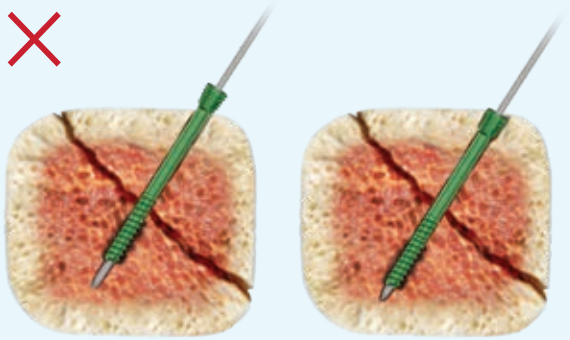
Tissue protector

# STEP 3 Measuring Screw Length

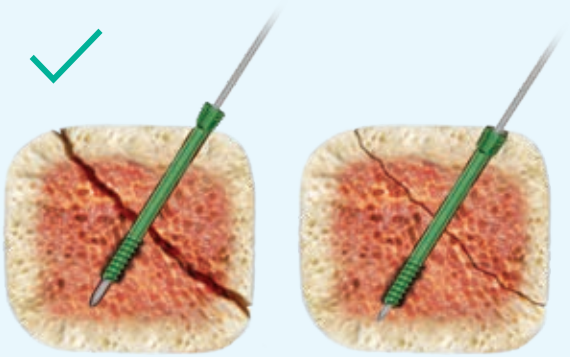
Slide the **Guidewire Measuring Device** over the guidewire until flush with bone. The appropriate screw length is indicated by the end of the guidewire tip along the markings on the gauge. If the measurement is between screw sizes, round down.




Measuring device showing
38mm length



**Incorrect thread length**
No compression in fracture gap



**Correct thread length**
Compression of fracture gap achieved
with distal threads below gap

# Measuring Screw Length (Cont'd)

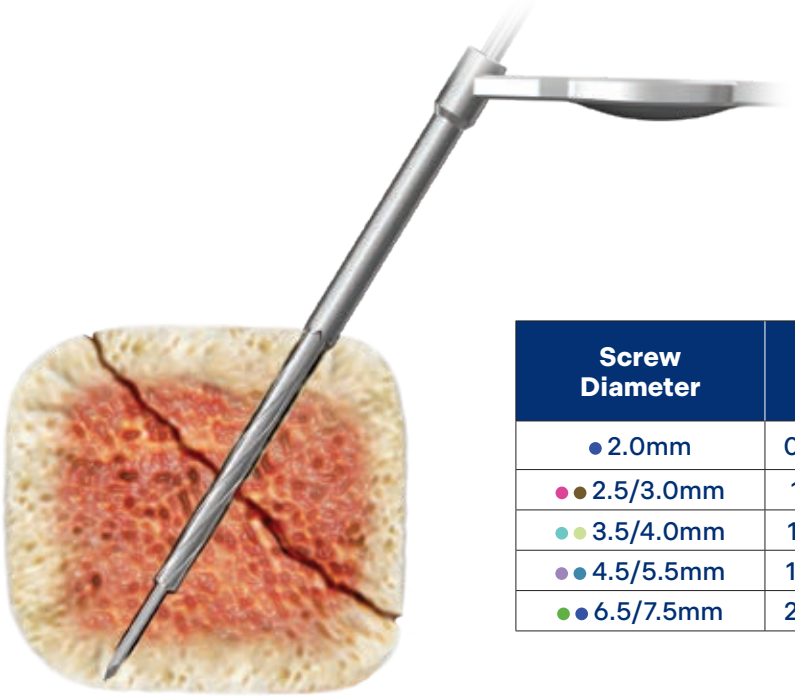
*Note: The direct measuring device for 4.5, 5.5, 6.5, and 7.5mm screws may be inserted through the* **4.5/5.5mm Tissue Protector or 6.5/7.5mm Tissue Protector** *to determine screw length*

**Measuring device with tissue protector**

# STEP 4 Pre-Drilling (Optional)

Due to the self-drilling and self-tapping design of the CAPTIVATE™ SOLA screws, pre-drilling is optional. Pilot holes may be pre-drilled for all CAPTIVATE™ screws. Drill to the diameter recommended in the table below. Slide the drill guide end of the double sided drill guide over the guidewire and position on the bone surface. Attach the corresponding drill bit to the desired handle. Insert the **Drill Bit** over the guidewire and pre-drill the near cortex, making sure not to drill beyond the tip of the guidewire.

Use fluoroscopy to ensure that the trajectory is correct and drill to the appropriate length. Back the drill bit out of the bone once the desired depth has been reached without removing the guidewire.



Drilling through double sided drill guide

| Screw Diameter | Guidewire (Diameter/ Length) | Cannulated Drill Bit Diameter |
|---|---|---|
| ● 2.0mm | 0.8mm/100mm | 1.6mm |
| ●● 2.5/3.0mm | 1.1mm/150mm | 2.0mm |
| ●● 3.5/4.0mm | 1.4mm/150mm | 2.7mm |
| ●● 4.5/5.5mm | 1.6mm/220mm | 3.9mm |
| ●● 6.5/7.5mm | 2.8mm/220mm | 5.0mm |

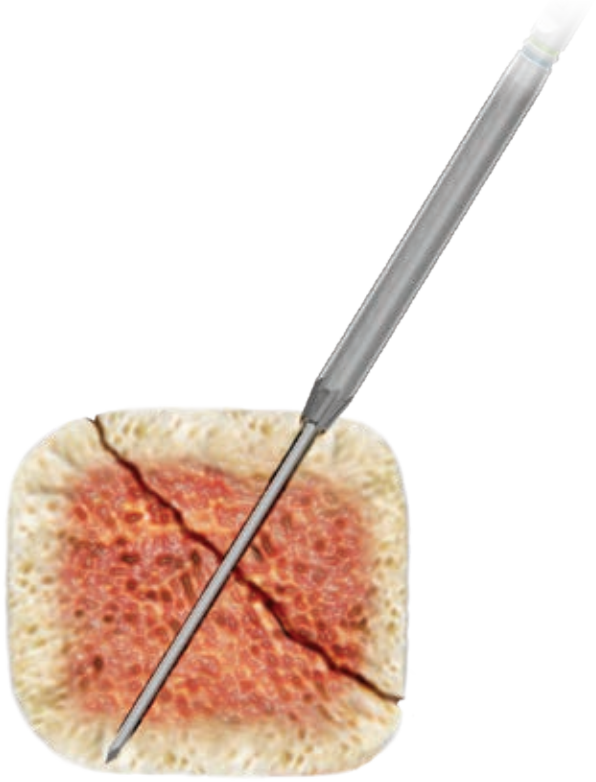
*Note: The drill bits for 4.5, 5.5, 6.5, and 7.5mm screws may be inserted through the 4.5/5.5mm Tissue Protector or 6.5/7.5mm Tissue Protector for pre-drilling.*

Drilling with tissue protector

# STEP 5 Countersinking the Screw Head (Optional)

Select the correct countersink for the chosen screw diameter.

Attach the countersink to the desired handle. Insert the countersink over the guidewire and advance the countersink into the bone to the desired depth.



**Countersinking**

*Note: The countersinks for 4.5, 5.5, 6.5, and 7.5mm screws may be inserted through the 4.5/5.5mm Tissue Protector or 6.5/7.5mm Tissue Protector for countersinking.*

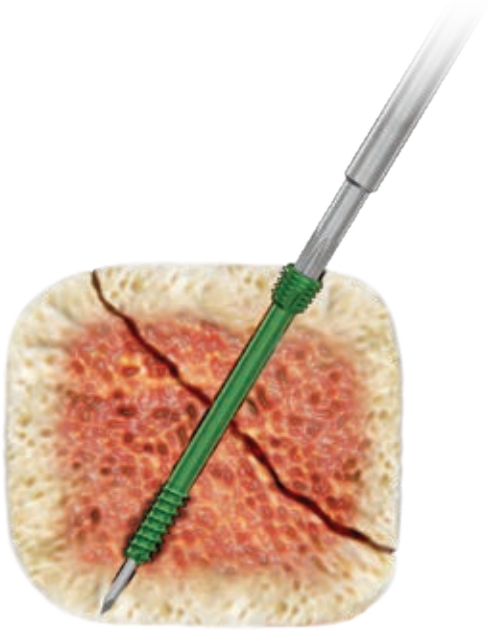
**Countersinking with tissue protector**

# STEP 6 Inserting the Screw

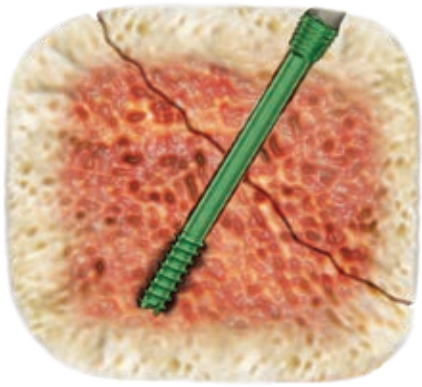
Select a **Driver** that mates with the selected screw size. Load the screw onto the self-retaining driver.

Drive the screw over the guidewire and rotate the driver handle clockwise to insert. Continue to drive until the fracture is reduced and the screw is seated flush or below the surface of the bone. Fluoroscopy is required during this step to ensure proper trajectory and placement.

Once the desired screw position is achieved, remove both the driver and guidewire. Remove the hexalobular driver by pulling out axially away from the screw tip. Remove the guidewire. Final screw positions are shown below.



Inserting screw and reducing fracture



Final position of screw

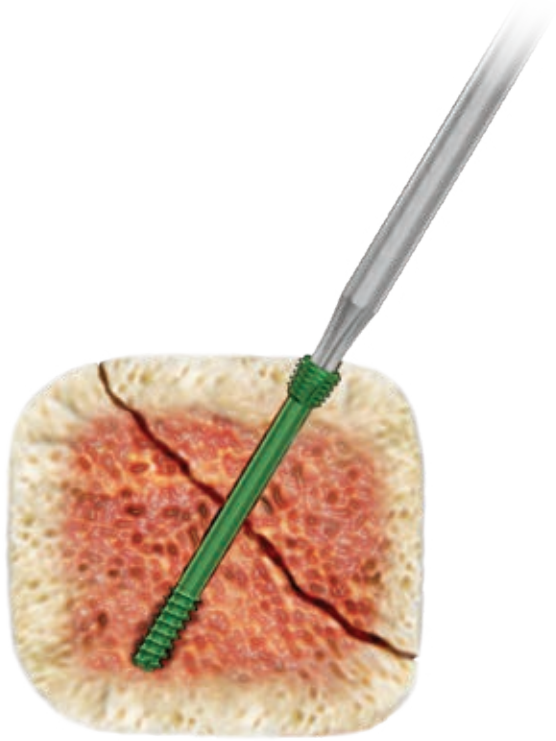
# Inserting the Screw (Cont'd)

*Note: The drivers for 4.5, 5.5, 6.5, and 7.5mm screws may be inserted through the 4.5/5.5mm Tissue Protector or 6.5/7.5mm Tissue Protector for screw insertion.*

**Inserting screw with tissue protector**

# Screw Removal (Optional)

Insert the appropriate **Solid Removal Driver** into the drive feature of the screw and rotate counterclockwise. Use forceps or other instruments to pull the screw out axially.



Removal

# **SYSTEM** OVERVIEW

## 2.0mm GUIDEWIRE AND MEASURING INSTRUMENTS



0.8mm Trocar Guidewire, 100mm 6188.1208


- 0.8mm Guidewire Measuring Device, 100mm 6188.8020

## 2.0mm BONE PREPARATION INSTRUMENTS


- 1.6mm Cannulated Drill Bit, 85mm 6188.5316


- 0.8/1.6mm Double Sided Drill Guide 6188.4020


- 2.0mm Cannulated Countersink 6188.4420

Dental Pick, Curved Tip, Small Handle 6179.7012

## 2.0mm SCREW INSERTION INSTRUMENTS

Small Handle, Short, AO Quick-Connect 6188.7000


- T6 Driver, Cannulated SR, 90mm, AO Quick-Connect 6188.6406


T6 Removal Driver, Solid 6188.6106

Screw Holding Forceps 6188.2015

## 2.0mm CLEANING INSTRUMENTS

Cleaning Brush, 1.0mm Cannulation, 170mm 6188.7125

Cleaning Stylet, 0.8mm Cannulation 6188.7225

## 2.5/3.0mm GUIDEWIRE AND MEASURING INSTRUMENTS



1.1mm Trocar Guidewire, 150mm 6188.1211


●●●● 1.1mm & 1.4mm Guidewire Measuring Device, 150mm 6188.8025

## 2.5/3.0mm BONE PREPARATION INSTRUMENTS


●● 2.0mm Cannulated Drill Bit, 140mm 6188.5220


●● 1.1/2.0mm Double Sided Drill Guide 6178.4025


●● 2.5/3.0mm Cannulated Countersink 6188.4425

## 2.5/3.0mm SCREW INSERTION INSTRUMENTS

Small Handle, Short, AO Quick-Connect 6188.7000


●● T8 Driver, Cannulated, SR, 100mm, AO Quick-Connect 6188.6408

T8 Driver, Non-Self-Retaining, 100mm, AO Quick-Connect 6179.6108

Screw Holding Forceps 6179.2000

## 2.5/3.0mm CLEANING INSTRUMENTS

Cleaning Brush, 1.2mm Cannulation, 170mm 6188.7130

Cleaning Stylet, 1.1mm Cannulation 6188.7230

## 3.5/4.0mm GUIDEWIRE AND MEASURING INSTRUMENTS



1.4mm Trocar Guidewire, 150mm 6188.1214


●●●● 1.1mm & 1.4mm Guidewire Measuring Device, 150mm 6188.8025

## 3.5/4.0mm BONE PREPARATION INSTRUMENTS


●● 2.7mm Cannulated Drill Bit, 140mm 6188.5327


●● 1.4/2.7mm Double Sided Drill Guide 6178.4035


●● 3.5/4.0mm Cannulated Countersink 6188.4435

## 3.5/4.0mm SCREW INSERTION INSTRUMENTS

Medium Handle, AO Quick-Connect 6188.7001


T15 Driver, Cannulated, SR, 100mm, AO Quick-Connect 6188.6415

T15 Driver, Non-Self-Retaining, 100mm, AO Quick-Connect 6179.6115

Screw Holding Forceps 6179.2000

## 3.5/4.0mm CLEANING INSTRUMENTS

Cleaning Brush, 1.6mm Cannulation, 185mm 6188.7140

Cleaning Stylet, 1.4mm Cannulation 6188.7240

## 4.5/5.5mm GUIDEWIRE AND MEASURING INSTRUMENTS



1.6mm Trocar Guidewire, 220mm 6188.1216

●●●● 1.6 & 2.8mm Guidewire Measuring Device, 220mm 6188.8045

●● 4.5/5.5mm Tissue Protector 6188.9545

●● 4.5/5.5mm Guide Wire Sleeve 6188.7516

## 4.5/5.5mm BONE PREPARATION INSTRUMENTS


●● 3.9mm Cannulated Drill Bit, 185mm 6188.5330


●● 1.6/3.9mm Double Sided Drill Guide 6188.4045


●● 4.5/5.5mm Cannulated Countersink 6188.4445

Dental Pick, Curved Tip, Small Handle 6179.7012

## 4.5/5.5mm SCREW INSERTION INSTRUMENTS

Medium Handle, Ratcheting, Cannulated AO Quick-Connect 6179.7013


●● T20 Driver, Cannulated, SR, 100mm, AO Quick-Connect 6188.6420

T20 Driver, Solid 6178.6120

Screw Holding Forceps 6179.2000

## 4.5/5.5mm CLEANING INSTRUMENTS

1.8mm Cleaning Brush 6178.7145

1.6mm Cleaning Stylet 6178.7245

## 6.5/7.5mm GUIDEWIRE AND MEASURING INSTRUMENTS

2.8mm Drill-Tip Guidewire, 220mm 6188.1228

●●●● 1.6 & 2.8mm Guidewire Measuring Device, 220mm 6188.8045

●● 6.5/7.5mm Tissue Protector 6188.9565

●● 6.5/7.5mm Guide Wire Sleeve 6188.9028

## 6.5/7.5mm BONE PREPARATION INSTRUMENTS

●● 5.0mm Cannulated Drill Bit, 222mm 6188.5350


●● 2.8/5.0mm Double Sided Drill Guide 6188.4065

●● 6.5/7.5mm Cannulated Countersink 6188.4465

## 6.5/7.5mm SCREW INSERTION INSTRUMENTS

Quick-Connect Handle 6178.3000

Large QC Adapter 6178.0181


●● T30 Driver, Cannulated, SR, 155mm, Hall Quick-Connect 6188.6430


T30 Removal Driver, Solid 6188.6130

Screw Holding Forceps 6179.2000

## 6.5/7.5mm CLEANING INSTRUMENTS

3.4mm Cleaning Brush, 230mm 6188.7165

2.8mm Cleaning Stylet, 230mm 6188.7265

# CAPTIVATE™ SOLA
## Headless Compression Screw System
2.0mm Screw Module 9188.9203 and 9188.9204

### 2.0mm Short Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 10 | 4 | 4188.2010 | 3188.2010 | 2 |
| 12 | 4 | 4188.2012 | 3188.2012 | 2 |
| 14 | 4 | 4188.2014 | 3188.2014 | 2 |
| 16 | 4 | 4188.2016 | 3188.2016 | 2 |
| 18 | 5 | 4188.2018 | 3188.2018 | 2 |
| 20 | 5 | 4188.2020 | 3188.2020 | 2 |
| 22 | 6 | 4188.2022 | 3188.2022 | 2 |
| 24 | 6 | 4188.2024 | 3188.2024 | 2 |
| 26 | 7 | 4188.2026 | 3188.2026 | 2 |
| 28 | 7 | 4188.2028 | 3188.2028 | 2 |
| 30 | 8 | 4188.2030 | 3188.2030 | 2 |

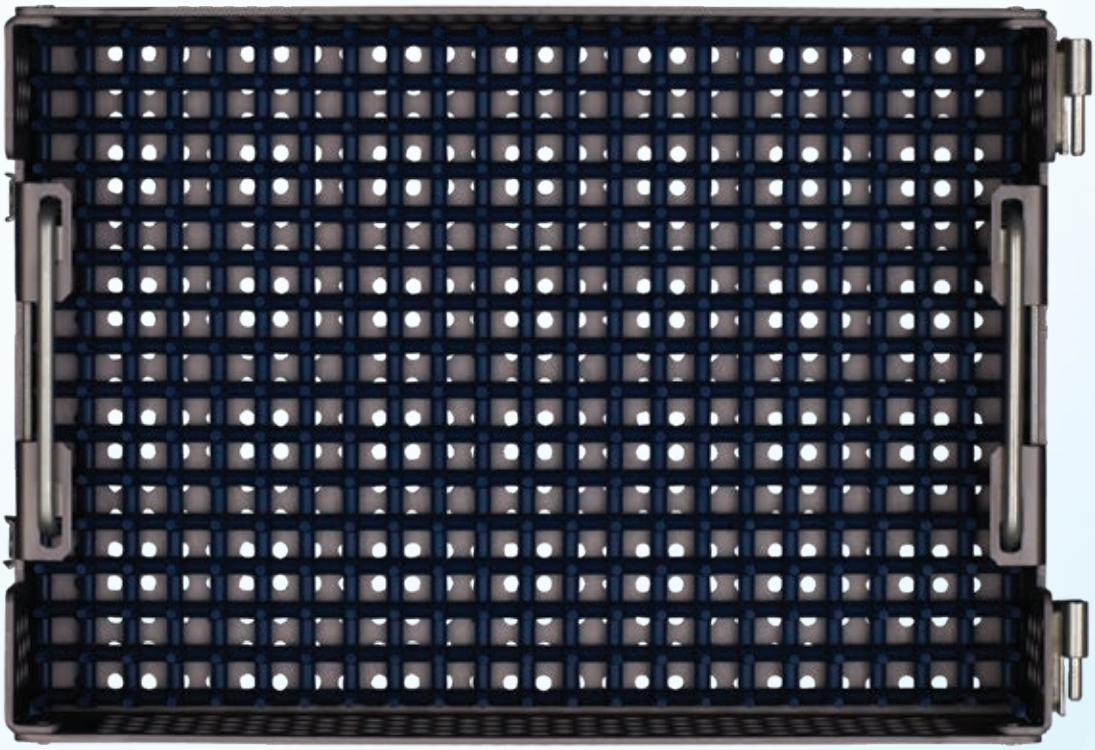
### 2.0mm Long Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 20 | 8 | 4188.2120 | 3188.2120 | 2 |
| 22 | 9 | 4188.2122 | 3188.2122 | 2 |
| 24 | 10 | 4188.2124 | 3188.2124 | 2 |
| 26 | 10 | 4188.2126 | 3188.2126 | 2 |
| 28 | 11 | 4188.2128 | 3188.2128 | 2 |
| 30 | 12 | 4188.2130 | 3188.2130 | 2 |

*Short Thread = Approximately 25% Total Length or 4mm*
*Long Thread = Approximately 40% Total Length*

# CAPTIVATE™ SOLA
## Headless Compression Screw System
Auxiliary Instrument Module 9188.9111

| Part No. | Description | Qty |
|---|---|---|
| 9188.1111 | CAPTIVATE™ SOLA Auxiliary Instrument Module | 1 |



# CAPTIVATE™ SOLA
## Headless Compression Screw System
## 2.0mm Instrument Module 9188.9205

| | Part No. | Description | Qty |
|---|---|---|---|
| 1 | 6188.1208 | 0.8mm Trocar Guidewire, 100mm | 8 |
| 2 | 6188.4020 | 0.8/1.6mm Double Sided Drill Guide | 1 |
| 3 | 6188.8020 | 0.8mm Guidewire Measuring Device, 100mm | 1 |
| 4 | 6188.5316 | 1.6mm Cannulated Drill Bit, 85mm | 2 |
| 5 | 6188.4420 | 2.0mm Cannulated Countersink | 1 |
| 6 | 6188.6406 | T6 Driver, Cannulated SR, 90mm, AO Quick-Connect | 2 |
| 7 | 6188.7000 | Small Handle, Short, AO Quick-Connect | 1 |
| 8 | 6179.7012 | Dental Pick, Curved Tip, Small Handle | 1 |
| 9 | 6188.2015 | Screw Holding Forceps | 1 |
| | 9188.5200 | CAPTIVATE™ SOLA 2.0mm Headless Instrument Module Lid | |

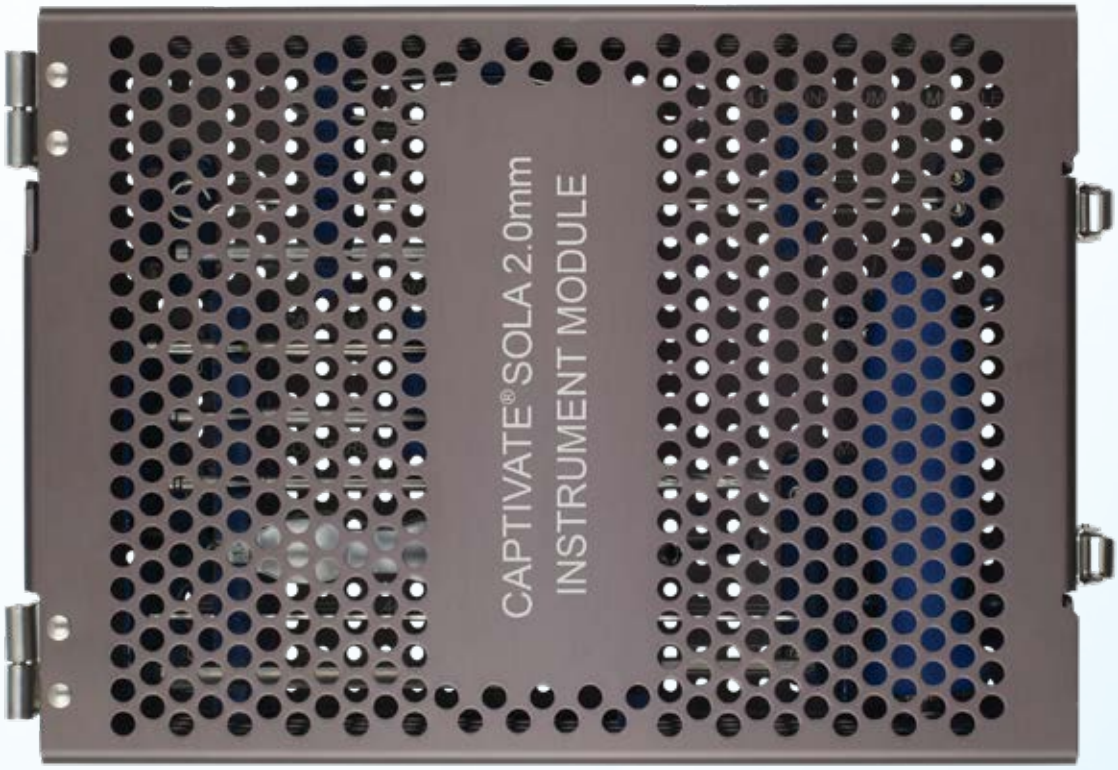
**Additionally Available**

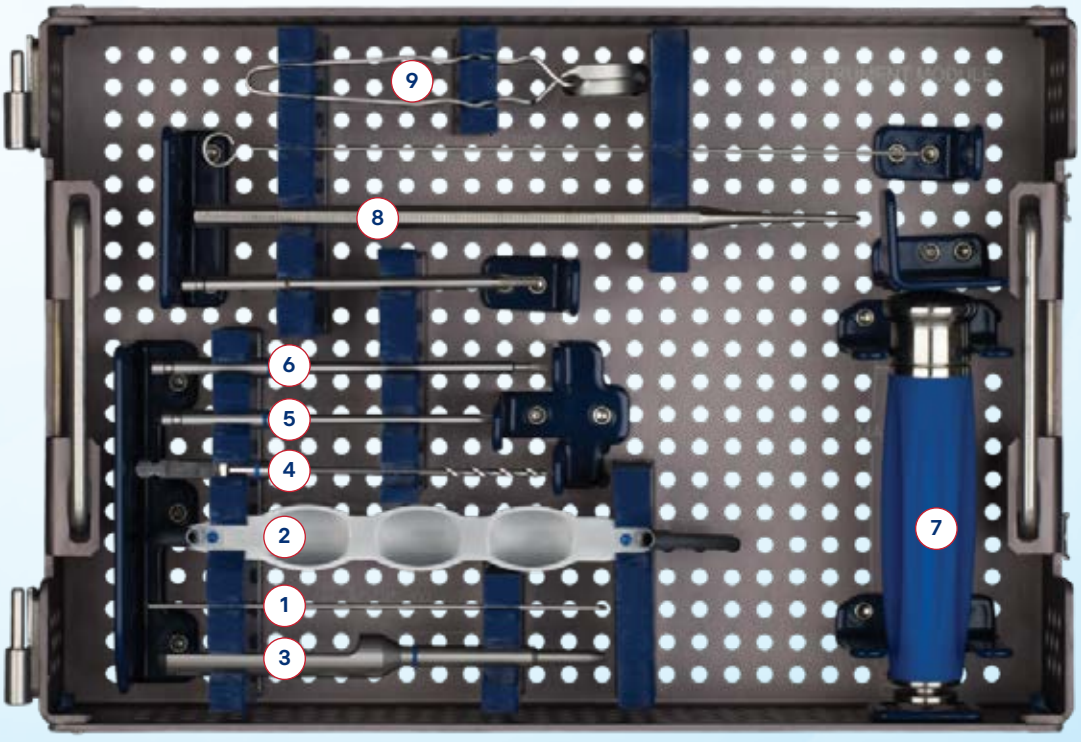
| | | |
|---|---|---|
| 6188.7125 | Cleaning Brush, 1.0mm Cannulation, 170mm | 0 |
| 6188.7225 | Cleaning Stylet, 0.8mm Cannulation | 0 |
| 6188.6106 | T6 Removal Driver, Solid | 0 |



*Items in gray are additionally available.*

# CAPTIVATE™ SOLA
## Headless Compression Screw System
2.0mm Instrument Module 9188.9205



# CAPTIVATE™ SOLA
## Headless Compression Screw System
## 2.5/3.0mm Screw Module 9188.9253 and 9188.9254

### 2.5mm Short Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 10 | 4 | 4188.2510 | 3188.2510 | 2 |
| 11 | 4 | 4188.2511 | 3188.2511 | 0 |
| 12 | 4 | 4188.2512 | 3188.2512 | 2 |
| 13 | 4 | 4188.2513 | 3188.2513 | 0 |
| 14 | 4 | 4188.2514 | 3188.2514 | 2 |
| 15 | 4 | 4188.2515 | 3188.2515 | 0 |
| 16 | 4 | 4188.2516 | 3188.2516 | 2 |
| 17 | 4 | 4188.2517 | 3188.2517 | 0 |
| 18 | 5 | 4188.2518 | 3188.2518 | 2 |
| 19 | 5 | 4188.2519 | 3188.2519 | 0 |
| 20 | 5 | 4188.2520 | 3188.2520 | 2 |
| 22 | 6 | 4188.2522 | 3188.2522 | 2 |
| 24 | 6 | 4188.2524 | 3188.2524 | 2 |
| 26 | 7 | 4188.2526 | 3188.2526 | 2 |
| 28 | 7 | 4188.2528 | 3188.2528 | 2 |
| 30 | 8 | 4188.2530 | 3188.2530 | 2 |
| 32 | 8 | 4188.2532 | 3188.2532 | 2 |
| 34 | 9 | 4188.2534 | 3188.2534 | 2 |
| 36 | 9 | 4188.2536 | 3188.2536 | 2 |
| 38 | 10 | 4188.2538 | 3188.2538 | 2 |
| 40 | 10 | 4188.2540 | 3188.2540 | 2 |

*Short Thread = Approximately 25% Total Length or 4mm*
*Long Thread = Approximately 40% Total Length*

### 2.5mm Long Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 14 | 7 | 4188.2614 | 3188.2614 | 0 |
| 15 | 7 | 4188.2615 | 3188.2615 | 0 |
| 16 | 7 | 4188.2616 | 3188.2616 | 0 |
| 17 | 7 | 4188.2617 | 3188.2617 | 0 |
| 18 | 7 | 4188.2618 | 3188.2618 | 0 |
| 19 | 7 | 4188.2619 | 3188.2619 | 0 |
| 20 | 8 | 4188.2620 | 3188.2620 | 2 |
| 22 | 9 | 4188.2622 | 3188.2622 | 2 |
| 24 | 10 | 4188.2624 | 3188.2624 | 2 |
| 26 | 10 | 4188.2626 | 3188.2626 | 2 |
| 28 | 11 | 4188.2628 | 3188.2628 | 2 |
| 30 | 12 | 4188.2630 | 3188.2630 | 2 |
| 32 | 13 | 4188.2632 | 3188.2632 | 2 |
| 34 | 14 | 4188.2634 | 3188.2634 | 2 |
| 36 | 14 | 4188.2636 | 3188.2636 | 2 |
| 38 | 15 | 4188.2638 | 3188.2638 | 2 |
| 40 | 16 | 4188.2640 | 3188.2640 | 2 |



*Items in gray are additionally available.*

# CAPTIVATE™ SOLA
## Headless Compression Screw System
2.5/3.0mm Screw Module 9188.9253 and 9188.9254

### 3.0mm Short Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 10 | 4 | 4188.3010 | 3188.3010 | 2 |
| 11 | 4 | 4188.3011 | 3188.3011 | 0 |
| 12 | 4 | 4188.3012 | 3188.3012 | 2 |
| 13 | 4 | 4188.3013 | 3188.3013 | 0 |
| 14 | 4 | 4188.3014 | 3188.3014 | 2 |
| 15 | 4 | 4188.3015 | 3188.3015 | 0 |
| 16 | 4 | 4188.3016 | 3188.3016 | 2 |
| 17 | 4 | 4188.3017 | 3188.3017 | 0 |
| 18 | 5 | 4188.3018 | 3188.3018 | 2 |
| 19 | 5 | 4188.3019 | 3188.3019 | 0 |
| 20 | 5 | 4188.3020 | 3188.3020 | 2 |
| 22 | 6 | 4188.3022 | 3188.3022 | 2 |
| 24 | 6 | 4188.3024 | 3188.3024 | 2 |
| 26 | 7 | 4188.3026 | 3188.3026 | 2 |
| 28 | 7 | 4188.3028 | 3188.3028 | 2 |
| 30 | 8 | 4188.3030 | 3188.3030 | 2 |
| 32 | 8 | 4188.3032 | 3188.3032 | 2 |
| 34 | 9 | 4188.3034 | 3188.3034 | 2 |
| 36 | 9 | 4188.3036 | 3188.3036 | 2 |
| 38 | 10 | 4188.3038 | 3188.3038 | 2 |
| 40 | 10 | 4188.3040 | 3188.3040 | 2 |

*Short Thread = Approximately 25% Total Length or 4mm*
*Long Thread = Approximately 40% Total Length*

### 3.0mm Long Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 14 | 7 | 4188.3114 | 3188.3114 | 0 |
| 15 | 7 | 4188.3115 | 3188.3115 | 0 |
| 16 | 7 | 4188.3116 | 3188.3116 | 0 |
| 17 | 7 | 4188.3117 | 3188.3117 | 0 |
| 18 | 7 | 4188.3118 | 3188.3118 | 0 |
| 19 | 7 | 4188.3119 | 3188.3119 | 0 |
| 20 | 8 | 4188.3120 | 3188.3120 | 2 |
| 22 | 9 | 4188.3122 | 3188.3122 | 2 |
| 24 | 10 | 4188.3124 | 3188.3124 | 2 |
| 26 | 10 | 4188.3126 | 3188.3126 | 2 |
| 28 | 11 | 4188.3128 | 3188.3128 | 2 |
| 30 | 12 | 4188.3130 | 3188.3130 | 2 |
| 32 | 13 | 4188.3132 | 3188.3132 | 2 |
| 34 | 14 | 4188.3134 | 3188.3134 | 2 |
| 36 | 14 | 4188.3136 | 3188.3136 | 2 |
| 38 | 15 | 4188.3138 | 3188.3138 | 2 |
| 40 | 16 | 4188.3140 | 3188.3140 | 2 |

*Items in gray are additionally available.*

# CAPTIVATE™ SOLA
## Headless Compression Screw System
## 2.5/3.0mm Instrument Module 9188.9255

| | Part No. | Description | Qty |
|---|---|---|---|
| 1 | 6188.1211 | 1.1mm Trocar Guidewire, 150mm | 8 |
| 2 | 6178.4025 | 1.1/2.0mm Double Sided Drill Guide | 1 |
| 3 | 6188.8025 | 1.1mm & 1.4mm Guidewire Measuring Device, 150mm | 1 |
| 4 | 6188.5220 | 2.0mm Cannulated Drill Bit, 140mm | 2 |
| 5 | 6188.4425 | 2.5/3.0mm Cannulated Countersink | 1 |
| 6 | 6188.7000 | Small Handle, Short, AO Quick-Connect | 1 |
| 7 | 6188.6408 | T8 Driver, Cannulated, SR, 100mm, AO Quick-Connect | 2 |
| 8 | 6179.2000 | Screw Holding Forceps | 1 |
| | 9188.5250 | CAPTIVATE™ SOLA 2.5/3.0mm Headless Instrument Module Lid | |

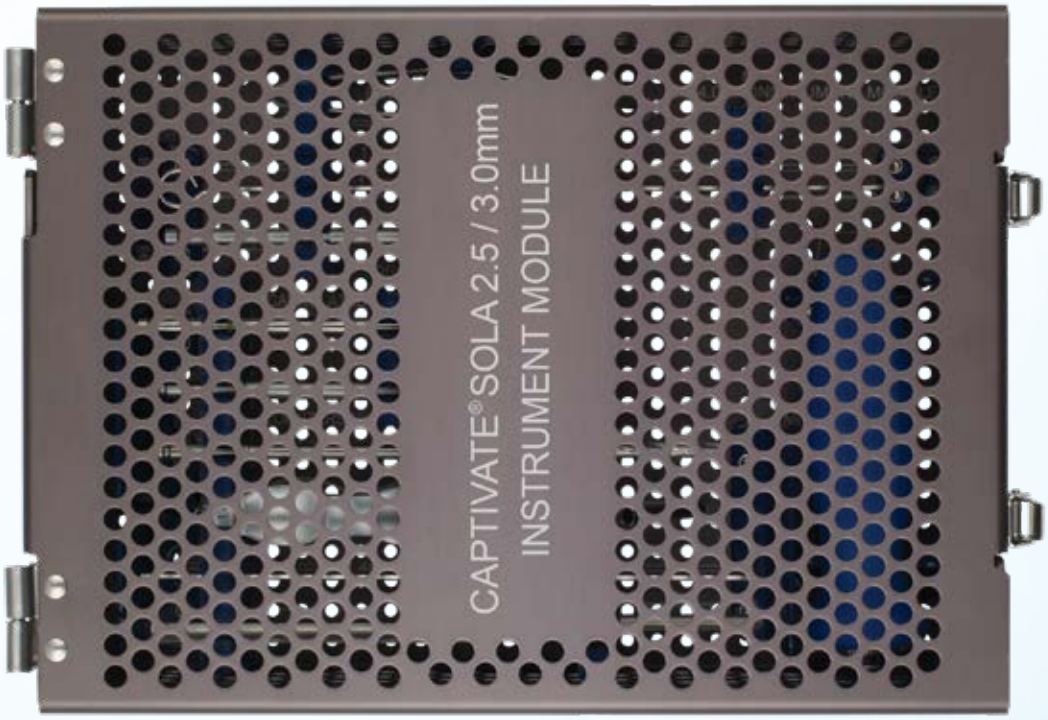
**Additionally Available**

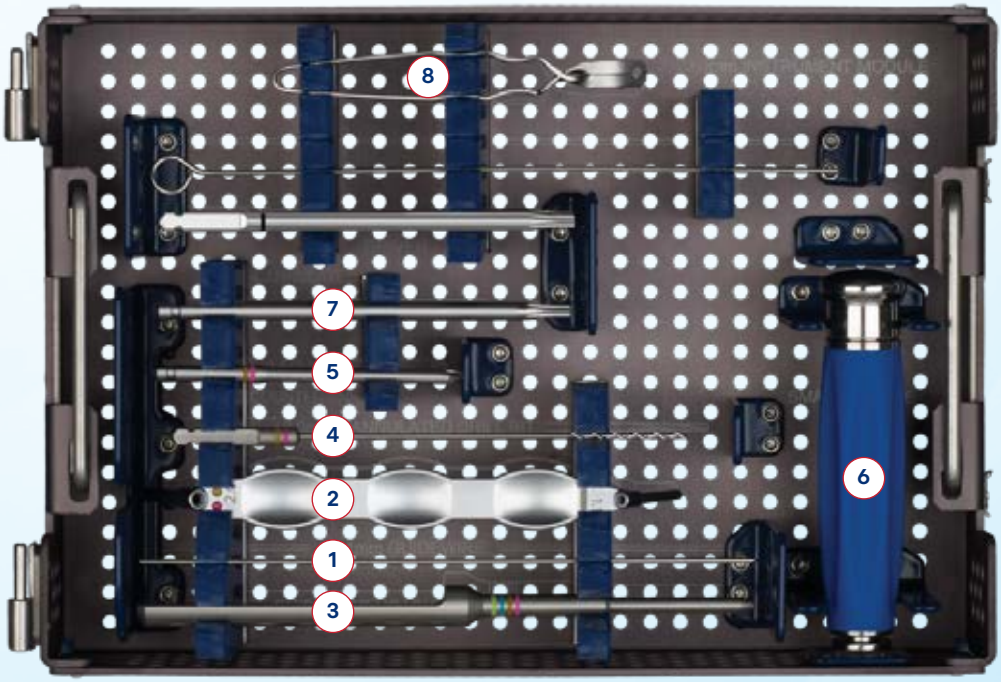
| | | |
|---|---|---|
| 6188.7130 | Cleaning Brush, 1.2mm Cannulation, 170mm | 0 |
| 6188.7230 | Cleaning Stylet, 1.1mm Cannulation | 0 |
| 6179.6108 | T8 Driver, Non-Self-Retaining, 100mm, AO Quick-Connect | 0 |



*Items in gray are additionally available.*

# CAPTIVATE™ SOLA
## Headless Compression Screw System
2.5/3.0mm Instrument Module 9188.9255



# CAPTIVATE™ SOLA
## Headless Compression Screw System
## 3.5/4.0mm Screw Module 9188.9353 and 9188.9354

### 3.5mm Short Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 14 | 4.5 | 4188.3514 | 3188.3514 | 0 |
| 16 | 4.5 | 4188.3516 | 3188.3516 | 0 |
| 18 | 5 | 4188.3518 | 3188.3518 | 0 |
| 20 | 5 | 4188.3520 | 3188.3520 | 2 |
| 22 | 6 | 4188.3522 | 3188.3522 | 2 |
| 24 | 6 | 4188.3524 | 3188.3524 | 2 |
| 26 | 7 | 4188.3526 | 3188.3526 | 2 |
| 28 | 7 | 4188.3528 | 3188.3528 | 2 |
| 30 | 8 | 4188.3530 | 3188.3530 | 2 |
| 32 | 8 | 4188.3532 | 3188.3532 | 2 |
| 34 | 9 | 4188.3534 | 3188.3534 | 2 |
| 36 | 9 | 4188.3536 | 3188.3536 | 2 |
| 38 | 10 | 4188.3538 | 3188.3538 | 2 |
| 40 | 10 | 4188.3540 | 3188.3540 | 2 |
| 42 | 11 | 4188.3542 | 3188.3542 | 2 |
| 44 | 11 | 4188.3544 | 3188.3544 | 2 |
| 46 | 12 | 4188.3546 | 3188.3546 | 2 |
| 48 | 12 | 4188.3548 | 3188.3548 | 2 |
| 50 | 13 | 4188.3550 | 3188.3550 | 2 |

*Short Thread = Approximately 25% Total Length or 4.5mm*
*Long Thread = Approximately 40% Total Length*

### 3.5mm Long Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 24 | 10 | 4188.3624 | 3188.3624 | 2 |
| 26 | 10 | 4188.3626 | 3188.3626 | 2 |
| 28 | 11 | 4188.3628 | 3188.3628 | 2 |
| 30 | 12 | 4188.3630 | 3188.3630 | 2 |
| 32 | 13 | 4188.3632 | 3188.3632 | 2 |
| 34 | 14 | 4188.3634 | 3188.3634 | 2 |
| 36 | 14 | 4188.3636 | 3188.3636 | 2 |
| 38 | 15 | 4188.3638 | 3188.3638 | 2 |
| 40 | 16 | 4188.3640 | 3188.3640 | 2 |
| 42 | 17 | 4188.3642 | 3188.3642 | 2 |
| 44 | 18 | 4188.3644 | 3188.3644 | 2 |
| 46 | 18 | 4188.3646 | 3188.3646 | 2 |
| 48 | 19 | 4188.3648 | 3188.3648 | 2 |
| 50 | 20 | 4188.3650 | 3188.3650 | 2 |



*Items in gray are additionally available.*

# CAPTIVATE™ SOLA
## Headless Compression Screw System
## 3.5/4.0mm Screw Module 9188.9353 and 9188.9354

### 4.0mm Short Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 14 | 5 | 4188.4014 | 3188.4014 | 0 |
| 16 | 5 | 4188.4016 | 3188.4016 | 0 |
| 18 | 5 | 4188.4018 | 3188.4018 | 0 |
| 20 | 5 | 4188.4020 | 3188.4020 | 0 |
| 22 | 6 | 4188.4022 | 3188.4022 | 0 |
| 24 | 6 | 4188.4024 | 3188.4024 | 2 |
| 26 | 7 | 4188.4026 | 3188.4026 | 2 |
| 28 | 7 | 4188.4028 | 3188.4028 | 2 |
| 30 | 8 | 4188.4030 | 3188.4030 | 2 |
| 32 | 8 | 4188.4032 | 3188.4032 | 2 |
| 34 | 9 | 4188.4034 | 3188.4034 | 2 |
| 36 | 9 | 4188.4036 | 3188.4036 | 2 |
| 38 | 10 | 4188.4038 | 3188.4038 | 2 |
| 40 | 10 | 4188.4040 | 3188.4040 | 2 |
| 42 | 11 | 4188.4042 | 3188.4042 | 2 |
| 44 | 11 | 4188.4044 | 3188.4044 | 2 |
| 46 | 12 | 4188.4046 | 3188.4046 | 2 |
| 48 | 12 | 4188.4048 | 3188.4048 | 2 |
| 50 | 13 | 4188.4050 | 3188.4050 | 2 |
| 52 | 13 | 4188.4052 | 3188.4052 | 2 |
| 54 | 14 | 4188.4054 | 3188.4054 | 2 |
| 56 | 14 | 4188.4056 | 3188.4056 | 2 |
| 58 | 15 | 4188.4058 | 3188.4058 | 2 |
| 60 | 15 | 4188.4060 | 3188.4060 | 2 |

*Short Thread = Approximately 25% Total Length or 5mm*
*Long Thread = Approximately 40% Total Length*

### 4.0mm Long Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 24 | 10 | 4188.4124 | 3188.4124 | 2 |
| 26 | 10 | 4188.4126 | 3188.4126 | 2 |
| 28 | 11 | 4188.4128 | 3188.4128 | 2 |
| 30 | 12 | 4188.4130 | 3188.4130 | 2 |
| 32 | 13 | 4188.4132 | 3188.4132 | 2 |
| 34 | 14 | 4188.4134 | 3188.4134 | 2 |
| 36 | 14 | 4188.4136 | 3188.4136 | 2 |
| 38 | 15 | 4188.4138 | 3188.4138 | 2 |
| 40 | 16 | 4188.4140 | 3188.4140 | 2 |
| 42 | 17 | 4188.4142 | 3188.4142 | 2 |
| 44 | 18 | 4188.4144 | 3188.4144 | 2 |
| 46 | 18 | 4188.4146 | 3188.4146 | 2 |
| 48 | 19 | 4188.4148 | 3188.4148 | 2 |
| 50 | 20 | 4188.4150 | 3188.4150 | 2 |
| 52 | 21 | 4188.4152 | 3188.4152 | 2 |
| 54 | 22 | 4188.4154 | 3188.4154 | 2 |
| 56 | 22 | 4188.4156 | 3188.4156 | 2 |
| 58 | 23 | 4188.4158 | 3188.4158 | 2 |
| 60 | 24 | 4188.4160 | 3188.4160 | 2 |

*Items in gray are additionally available.*

# CAPTIVATE™ SOLA
## Headless Compression Screw System
## 3.5/4.0mm Instrument Module 9188.9355

| | Part No. | Description | Qty |
|---|---|---|---|
| 1 | 6188.1214 | 1.4mm Trocar Guidewire, 150mm | 8 |
| 2 | 6178.4035 | 1.4/2.7mm Double Sided Drill Guide | 1 |
| 3 | 6188.8025 | 1.1mm & 1.4mm Guidewire Measuring Device, 150mm | 1 |
| 4 | 6188.5327 | 2.7mm Cannulated Drill Bit, 140mm | 2 |
| 5 | 6188.4435 | 3.5/4.0mm Cannulated Countersink | 1 |
| 6 | 6188.6415 | T15 Driver, Cannulated, SR, 100mm, AO Quick-Connect | 2 |
| 7 | 6188.7001 | Medium Handle, AO Quick-Connect | 1 |
| 8 | 6179.2000 | Screw Holding Forceps | 1 |
| | 9188.5350 | CAPTIVATE™ SOLA 3.5/4.0mm Headless Instrument Module Lid | |

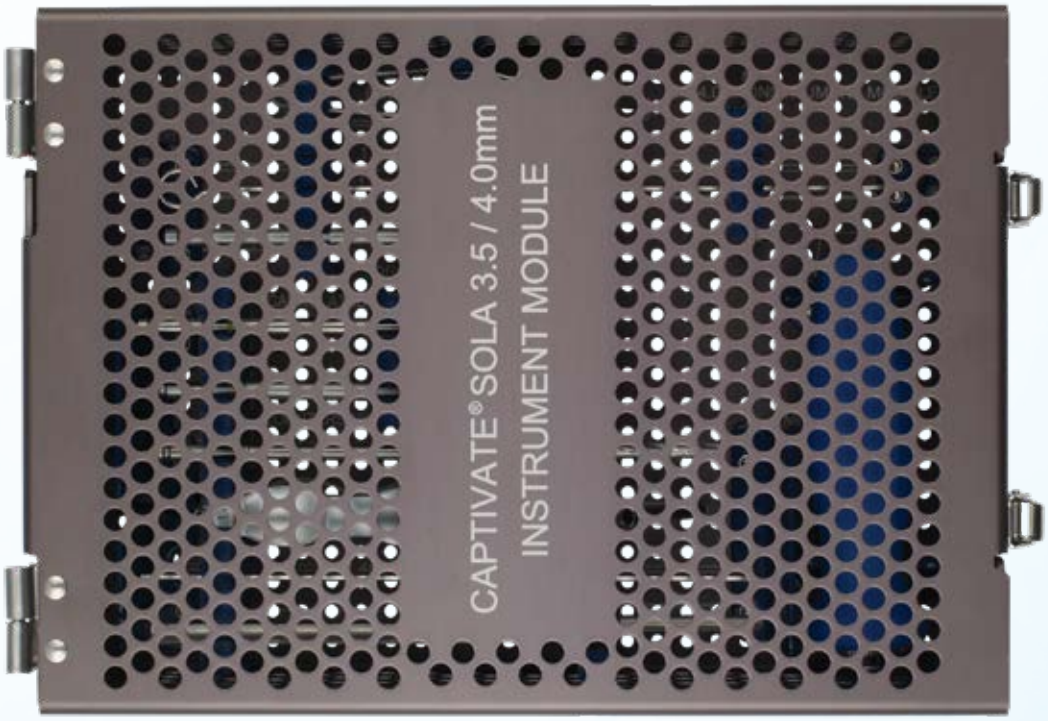
**Additionally Available**

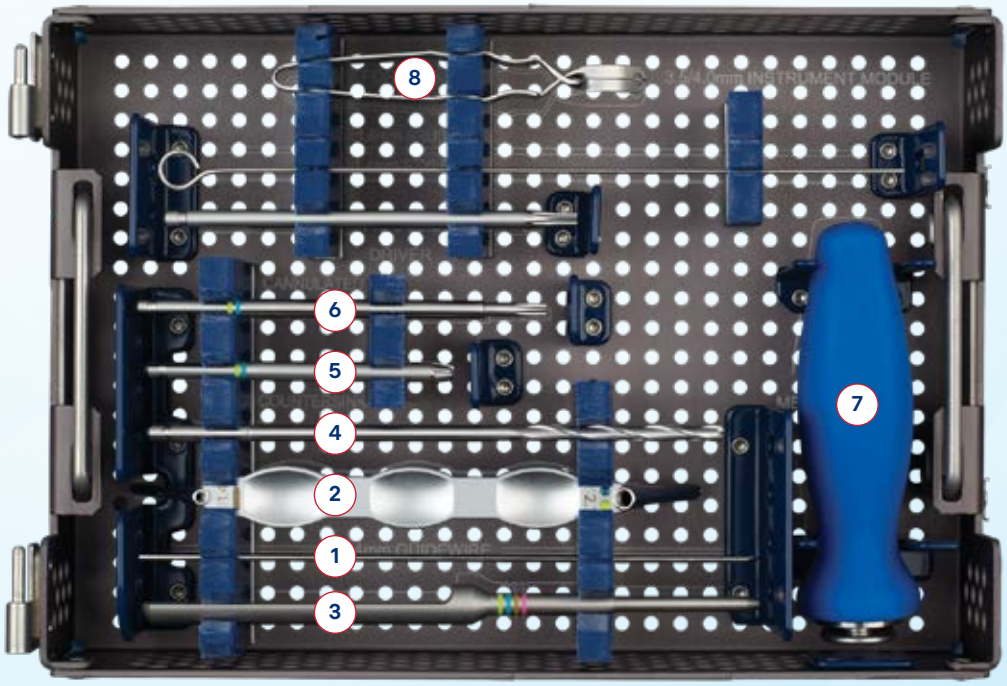
| | | |
|---|---|---|
| 6188.7140 | Cleaning Brush, 1.6mm Cannulation, 185mm | 0 |
| 6188.7240 | Cleaning Stylet, 1.4mm Cannulation | 0 |
| 6179.6115 | T15 Driver, Non-Self-Retaining, 100mm AO Quick-Connect | 0 |



*Items in gray are additionally available.*

# CAPTIVATE™ SOLA
## Headless Compression Screw System
3.5/4.0mm Instrument Module 9188.9355



# CAPTIVATE™ SOLA
## Headless Compression Screw System
## 4.5/5.5mm Screw Module 9188.9453 and 9188.9454

### 4.5mm Short Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 20 | 8 | 4188.4520 | 3188.4520 | 1 |
| 22 | 8 | 4188.4522 | 3188.4522 | 1 |
| 24 | 8 | 4188.4524 | 3188.4524 | 2 |
| 26 | 8 | 4188.4526 | 3188.4526 | 2 |
| 28 | 8 | 4188.4528 | 3188.4528 | 2 |
| 30 | 8 | 4188.4530 | 3188.4530 | 2 |
| 32 | 8 | 4188.4532 | 3188.4532 | 2 |
| 34 | 9 | 4188.4534 | 3188.4534 | 2 |
| 36 | 9 | 4188.4536 | 3188.4536 | 2 |
| 38 | 10 | 4188.4538 | 3188.4538 | 2 |
| 40 | 10 | 4188.4540 | 3188.4540 | 2 |
| 42 | 11 | 4188.4542 | 3188.4542 | 2 |
| 44 | 11 | 4188.4544 | 3188.4544 | 2 |
| 46 | 12 | 4188.4546 | 3188.4546 | 2 |
| 48 | 12 | 4188.4548 | 3188.4548 | 2 |
| 50 | 13 | 4188.4550 | 3188.4550 | 2 |
| 55 | 14 | 4188.4555 | 3188.4555 | 2 |
| 60 | 15 | 4188.4560 | 3188.4560 | 2 |
| 65 | 16 | 4188.4565 | 3188.4565 | 2 |
| 70 | 18 | 4188.4570 | 3188.4570 | 2 |
| 75 | 19 | 4188.4575 | 3188.4575 | 2 |
| 80 | 20 | 4188.4580 | 3188.4580 | 2 |
| 85 | 21 | 4188.4585 | 3188.4585 | 2 |
| 90 | 23 | 4188.4590 | 3188.4590 | 2 |
| 95 | 24 | 4188.4595 | 3188.4595 | 2 |
| 100 | 25 | 4188.4600 | 3188.4600 | 2 |
| 105 | 26 | 4188.4605 | 3188.4605 | 0 |
| 110 | 28 | 4188.4610 | 3188.4610 | 0 |

### 4.5mm Long Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 30 | 12 | 4188.4730 | 3188.4730 | 2 |
| 32 | 13 | 4188.4732 | 3188.4732 | 2 |
| 34 | 14 | 4188.4734 | 3188.4734 | 2 |
| 36 | 14 | 4188.4736 | 3188.4736 | 2 |
| 38 | 15 | 4188.4738 | 3188.4738 | 2 |
| 40 | 16 | 4188.4740 | 3188.4740 | 2 |
| 42 | 17 | 4188.4742 | 3188.4742 | 2 |
| 44 | 18 | 4188.4744 | 3188.4744 | 2 |
| 46 | 18 | 4188.4746 | 3188.4746 | 2 |
| 48 | 19 | 4188.4748 | 3188.4748 | 2 |
| 50 | 20 | 4188.4750 | 3188.4750 | 2 |
| 55 | 22 | 4188.4755 | 3188.4755 | 2 |
| 60 | 24 | 4188.4760 | 3188.4760 | 2 |
| 65 | 26 | 4188.4765 | 3188.4765 | 2 |
| 70 | 28 | 4188.4770 | 3188.4770 | 2 |
| 75 | 30 | 4188.4775 | 3188.4775 | 2 |
| 80 | 32 | 4188.4780 | 3188.4780 | 2 |
| 85 | 34 | 4188.4785 | 3188.4785 | 2 |
| 90 | 36 | 4188.4790 | 3188.4790 | 2 |
| 95 | 38 | 4188.4795 | 3188.4795 | 2 |
| 100 | 40 | 4188.4800 | 3188.4800 | 2 |
| 105 | 42 | 4188.4805 | 3188.4805 | 0 |
| 110 | 44 | 4188.4810 | 3188.4810 | 0 |

*Short Thread = Approximately 25% Total Length or 8mm*
*Long Thread = Approximately 40% Total Length*



*Items in gray are additionally available.*

# CAPTIVATE™ SOLA
## Headless Compression Screw System
4.5/5.5mm Screw Module 9188.9453 and 9188.9454

### 5.5mm Short Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 20 | 8.5 | 4188.5520 | 3188.5520 | 0 |
| 22 | 8.5 | 4188.5522 | 3188.5522 | 0 |
| 24 | 8.5 | 4188.5524 | 3188.5524 | 0 |
| 26 | 8.5 | 4188.5526 | 3188.5526 | 0 |
| 28 | 8.5 | 4188.5528 | 3188.5528 | 0 |
| 30 | 8.5 | 4188.5530 | 3188.5530 | 2 |
| 32 | 8.5 | 4188.5532 | 3188.5532 | 2 |
| 34 | 9 | 4188.5534 | 3188.5534 | 2 |
| 36 | 9 | 4188.5536 | 3188.5536 | 2 |
| 38 | 10 | 4188.5538 | 3188.5538 | 2 |
| 40 | 10 | 4188.5540 | 3188.5540 | 2 |
| 42 | 11 | 4188.5542 | 3188.5542 | 2 |
| 44 | 11 | 4188.5544 | 3188.5544 | 2 |
| 46 | 12 | 4188.5546 | 3188.5546 | 2 |
| 48 | 12 | 4188.5548 | 3188.5548 | 2 |
| 50 | 13 | 4188.5550 | 3188.5550 | 2 |
| 55 | 14 | 4188.5555 | 3188.5555 | 2 |
| 60 | 15 | 4188.5560 | 3188.5560 | 2 |
| 65 | 16 | 4188.5565 | 3188.5565 | 2 |
| 70 | 18 | 4188.5570 | 3188.5570 | 2 |
| 75 | 19 | 4188.5575 | 3188.5575 | 2 |
| 80 | 20 | 4188.5580 | 3188.5580 | 2 |
| 85 | 21 | 4188.5585 | 3188.5585 | 1 |
| 90 | 23 | 4188.5590 | 3188.5590 | 1 |
| 95 | 24 | 4188.5595 | 3188.5595 | 1 |
| 100 | 25 | 4188.5600 | 3188.5600 | 1 |
| 105 | 26 | 4188.5605 | 3188.5605 | 0 |
| 110 | 28 | 4188.5610 | 3188.5610 | 0 |

### 5.5mm Long Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 30 | 12 | 4188.5730 | 3188.5730 | 1 |
| 32 | 13 | 4188.5732 | 3188.5732 | 1 |
| 34 | 14 | 4188.5734 | 3188.5734 | 1 |
| 36 | 14 | 4188.5736 | 3188.5736 | 1 |
| 38 | 15 | 4188.5738 | 3188.5738 | 1 |
| 40 | 16 | 4188.5740 | 3188.5740 | 1 |
| 42 | 17 | 4188.5742 | 3188.5742 | 1 |
| 44 | 18 | 4188.5744 | 3188.5744 | 1 |
| 46 | 18 | 4188.5746 | 3188.5746 | 1 |
| 48 | 19 | 4188.5748 | 3188.5748 | 1 |
| 50 | 20 | 4188.5750 | 3188.5750 | 1 |
| 55 | 22 | 4188.5755 | 3188.5755 | 1 |
| 60 | 24 | 4188.5760 | 3188.5760 | 1 |
| 65 | 26 | 4188.5765 | 3188.5765 | 1 |
| 70 | 28 | 4188.5770 | 3188.5770 | 1 |
| 75 | 30 | 4188.5775 | 3188.5775 | 1 |
| 80 | 32 | 4188.5780 | 3188.5780 | 1 |
| 85 | 34 | 4188.5785 | 3188.5785 | 1 |
| 90 | 36 | 4188.5790 | 3188.5790 | 1 |
| 95 | 38 | 4188.5795 | 3188.5795 | 1 |
| 100 | 40 | 4188.5800 | 3188.5800 | 1 |
| 105 | 42 | 4188.5805 | 3188.5805 | 0 |
| 110 | 44 | 4188.5810 | 3188.5810 | 0 |

*Short Thread = Approximately 25% Total Length or 8.5mm*
*Long Thread = Approximately 40% Total Length*



*Items in gray are additionally available.*

# CAPTIVATE™ SOLA
## Headless Compression Screw System
## 4.5/5.5mm Instrument Module 9188.9455

| | Part No. | Description | Qty |
|---|---|---|---|
| 1 | 6188.1216 | 1.6mm Trocar Guidewire, 220mm | 8 |
| 2 | 6188.4045 | 1.6/3.9mm Double Sided Drill Guide | 1 |
| 3 | 6188.8045 | 1.6 & 2.8mm Guidewire Measuring Device, 220mm | 1 |
| 4 | 6188.5330 | 3.9mm Cannulated Drill Bit, 185mm | 2 |
| 5 | 6188.4445 | 4.5/5.5mm Cannulated Countersink | 1 |
| 6 | 6188.6420 | T20 Driver, Cannulated, SR, 100mm, AO Quick-Connect | 2 |
| 7 | 6179.7013 | Medium Handle, Ratcheting, Cannulated AO Quick-Connect | 1 |
| 8 | 6179.2000 | Screw Holding Forceps | 1 |
| 9 | 6188.9545 | 4.5/5.5mm Tissue Protector | 1 |
| 10 | 6188.7516 | 4.5/5.5mm Guide Wire Sleeve | 1 |
| 11 | 6179.7012 | Dental Pick, Curved Tip, Small Handle | 1 |
| | 9188.5450 | CAPTIVATE™ SOLA 4.5/5.5mm Headless Instrument Module Lid | |

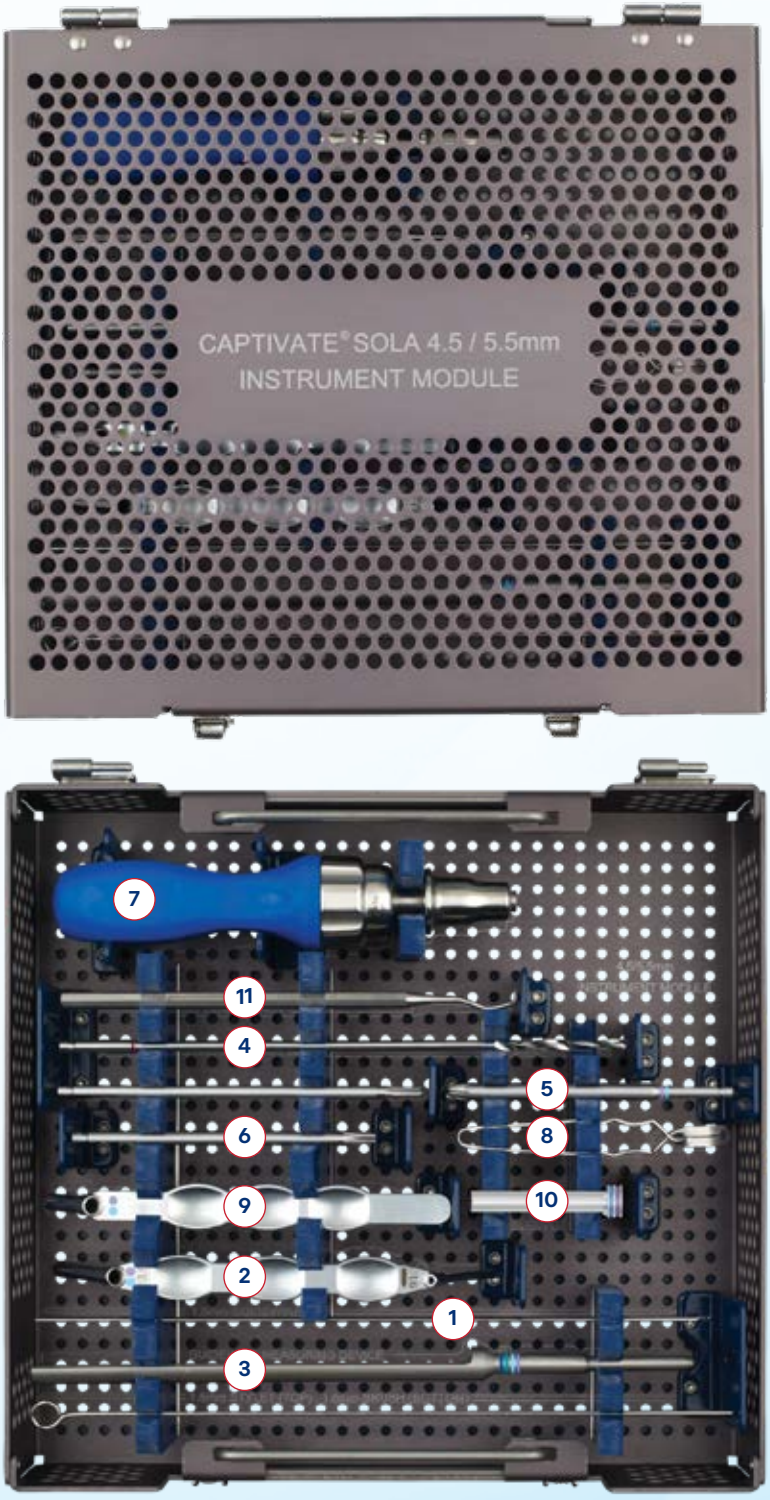
**Additionally Available**

| | | |
|---|---|---|
| 6178.7145 | 1.8mm Cleaning Brush | 0 |
| 6178.7245 | 1.6mm Cleaning Stylet | 0 |
| 6178.6120 | T20 Driver, Solid | 0 |



*Items in gray are additionally available.*

# CAPTIVATE™ SOLA
## Headless Compression Screw System
4.5/5.5mm Instrument Module 9188.9455



# CAPTIVATE™ SOLA
## Headless Compression Screw System
## 6.5/7.5mm Screw Module 9188.9653 and 9188.9654

### 6.5mm Short Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 30 | 16 | 4188.6530 | 3188.6530 | 2 |
| 35 | 16 | 4188.6535 | 3188.6535 | 2 |
| 40 | 16 | 4188.6540 | 3188.6540 | 2 |
| 45 | 16 | 4188.6545 | 3188.6545 | 2 |
| 50 | 16 | 4188.6550 | 3188.6550 | 2 |
| 55 | 16 | 4188.6555 | 3188.6555 | 2 |
| 60 | 16 | 4188.6560 | 3188.6560 | 2 |
| 65 | 16 | 4188.6565 | 3188.6565 | 2 |
| 70 | 16 | 4188.6570 | 3188.6570 | 2 |
| 75 | 16 | 4188.6575 | 3188.6575 | 2 |
| 80 | 16 | 4188.6580 | 3188.6580 | 2 |
| 85 | 16 | 4188.6585 | 3188.6585 | 2 |
| 90 | 16 | 4188.6590 | 3188.6590 | 2 |
| 95 | 16 | 4188.6595 | 3188.6595 | 2 |
| 100 | 16 | 4188.6600 | 3188.6600 | 2 |
| 105 | 16 | 4188.6605 | 3188.6605 | 2 |
| 110 | 16 | 4188.6610 | 3188.6610 | 2 |
| 115 | 16 | 4188.6615 | 3188.6615 | 0 |
| 120 | 16 | 4188.6620 | 3188.6620 | 0 |
| 125 | 16 | 4188.6625 | 3188.6625 | 0 |
| 130 | 16 | 4188.6630 | 3188.6630 | 0 |

### 6.5mm Long Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 45 | 32 | 4188.6745 | 3188.6745 | 2 |
| 50 | 32 | 4188.6750 | 3188.6750 | 2 |
| 55 | 32 | 4188.6755 | 3188.6755 | 2 |
| 60 | 32 | 4188.6760 | 3188.6760 | 2 |
| 65 | 32 | 4188.6765 | 3188.6765 | 2 |
| 70 | 32 | 4188.6770 | 3188.6770 | 2 |
| 75 | 32 | 4188.6775 | 3188.6775 | 2 |
| 80 | 32 | 4188.6780 | 3188.6780 | 2 |
| 85 | 32 | 4188.6785 | 3188.6785 | 2 |
| 90 | 32 | 4188.6790 | 3188.6790 | 2 |
| 95 | 32 | 4188.6795 | 3188.6795 | 2 |
| 100 | 32 | 4188.6800 | 3188.6800 | 2 |
| 105 | 32 | 4188.6805 | 3188.6805 | 2 |
| 110 | 32 | 4188.6810 | 3188.6810 | 2 |
| 115 | 32 | 4188.6815 | 3188.6815 | 0 |
| 120 | 32 | 4188.6820 | 3188.6820 | 0 |
| 125 | 32 | 4188.6825 | 3188.6825 | 0 |
| 130 | 32 | 4188.6830 | 3188.6830 | 0 |

*Short Thread 6.5mm = 16mm*
*Long Thread 6.5mm = 32mm*



*Items in gray are additionally available.*

# CAPTIVATE™ SOLA
## Headless Compression Screw System
## 6.5/7.5mm Screw Module 9188.9653 and 9188.9654

### 7.5mm Short Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 30 | 16 | 4188.7530 | 3188.7530 | 0 |
| 35 | 16 | 4188.7535 | 3188.7535 | 0 |
| 40 | 16 | 4188.7540 | 3188.7540 | 2 |
| 45 | 16 | 4188.7545 | 3188.7545 | 2 |
| 50 | 16 | 4188.7550 | 3188.7550 | 2 |
| 55 | 16 | 4188.7555 | 3188.7555 | 2 |
| 60 | 16 | 4188.7560 | 3188.7560 | 2 |
| 65 | 16 | 4188.7565 | 3188.7565 | 2 |
| 70 | 16 | 4188.7570 | 3188.7570 | 2 |
| 75 | 16 | 4188.7575 | 3188.7575 | 2 |
| 80 | 16 | 4188.7580 | 3188.7580 | 2 |
| 85 | 16 | 4188.7585 | 3188.7585 | 2 |
| 90 | 16 | 4188.7590 | 3188.7590 | 2 |
| 95 | 16 | 4188.7595 | 3188.7595 | 2 |
| 100 | 16 | 4188.7600 | 3188.7600 | 2 |
| 105 | 16 | 4188.7605 | 3188.7605 | 2 |
| 110 | 16 | 4188.7610 | 3188.7610 | 2 |
| 115 | 16 | 4188.7615 | 3188.7615 | 2 |
| 120 | 16 | 4188.7620 | 3188.7620 | 2 |
| 125 | 16 | 4188.7625 | 3188.7625 | 0 |
| 130 | 16 | 4188.7630 | 3188.7630 | 0 |
| 135 | 16 | 4188.7635 | 3188.7635 | 0 |
| 140 | 16 | 4188.7640 | 3188.7640 | 0 |

### 7.5mm Long Thread

| Screw Length (mm) | Thread Length (mm) | SS Part No. | Ti Part No. | Qty |
|---|---|---|---|---|
| 45 | 32 | 4188.7745 | 3188.7745 | 1 |
| 50 | 32 | 4188.7750 | 3188.7750 | 1 |
| 55 | 32 | 4188.7755 | 3188.7755 | 1 |
| 60 | 32 | 4188.7760 | 3188.7760 | 1 |
| 65 | 32 | 4188.7765 | 3188.7765 | 1 |
| 70 | 32 | 4188.7770 | 3188.7770 | 1 |
| 75 | 32 | 4188.7775 | 3188.7775 | 1 |
| 80 | 32 | 4188.7780 | 3188.7780 | 1 |
| 85 | 32 | 4188.7785 | 3188.7785 | 1 |
| 90 | 32 | 4188.7790 | 3188.7790 | 1 |
| 95 | 32 | 4188.7795 | 3188.7795 | 1 |
| 100 | 32 | 4188.7800 | 3188.7800 | 1 |
| 105 | 32 | 4188.7805 | 3188.7805 | 1 |
| 110 | 32 | 4188.7810 | 3188.7810 | 1 |
| 115 | 32 | 4188.7815 | 3188.7815 | 1 |
| 120 | 32 | 4188.7820 | 3188.7820 | 1 |
| 125 | 32 | 4188.7825 | 3188.7825 | 0 |
| 130 | 32 | 4188.7830 | 3188.7830 | 0 |
| 135 | 32 | 4188.7835 | 3188.7835 | 0 |
| 140 | 32 | 4188.7840 | 3188.7840 | 0 |

*Short Thread 7.5mm = 16mm*
*Long Thread 7.5mm = 32mm*

*Items in gray are additionally available.*

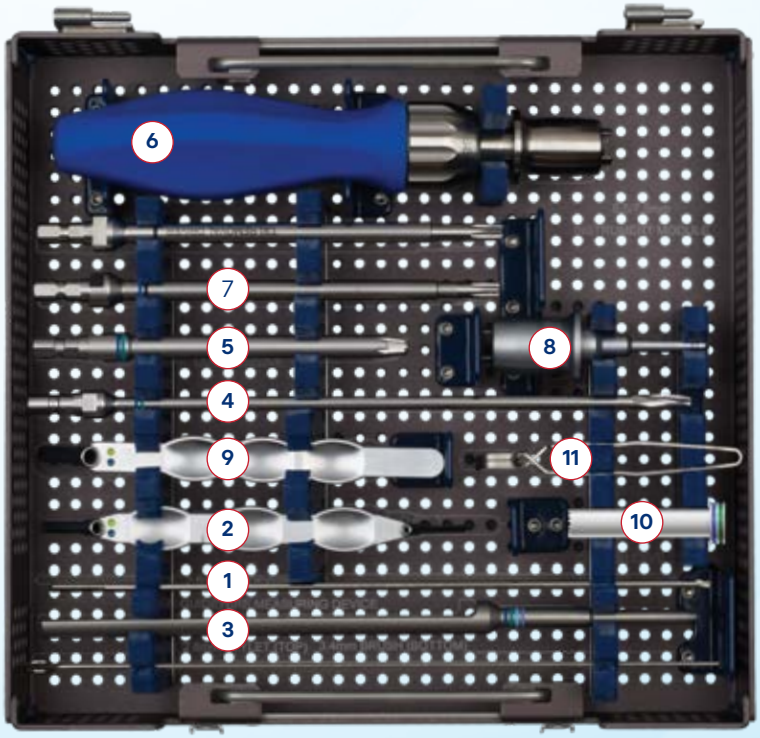
# CAPTIVATE™ SOLA
## Headless Compression Screw System
## 6.5/7.5mm Instrument Module 9188.9655

| | Part No. | Description | Qty |
|---|---|---|---|
| 1 | 6188.1228 | 2.8mm Drill-Tip Guidewire, 220mm | 8 |
| 2 | 6188.4065 | 2.8/5.0mm Double Sided Drill Guide | 1 |
| 3 | 6188.8045 | 1.6 & 2.8mm Guidewire Measuring Device, 220mm | 1 |
| 4 | 6188.5350 | 5.0mm Cannulated Drill Bit, 222mm | 2 |
| 5 | 6188.4465 | 6.5/7.5mm Cannulated Countersink | 1 |
| 6 | 6178.3000 | Quick-Connect Handle | 1 |
| 7 | 6188.6430 | T30 Driver, Cannulated, SR, 155mm, Hall Quick-Connect | 2 |
| 8 | 6178.0181 | Large QC Adapter | 1 |
| 9 | 6188.9565 | 6.5/7.5mm Tissue Protector | 1 |
| 10 | 6188.9028 | 6.5/7.5mm Guide Wire Sleeve | 1 |
| 11 | 6179.2000 | Screw Holding Forceps | 1 |
| | 9188.5650 | CAPTIVATE™ SOLA 6.5/7.5mm Headless Instrument Module Lid | |

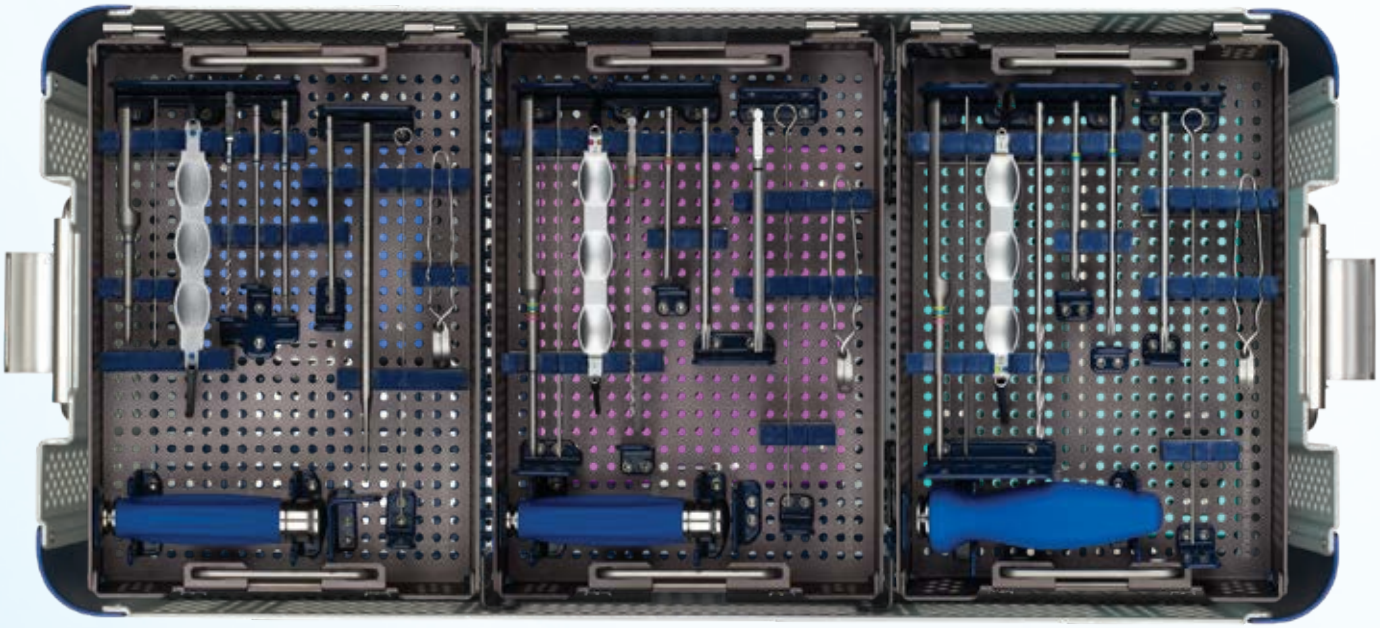
**Additionally Available**

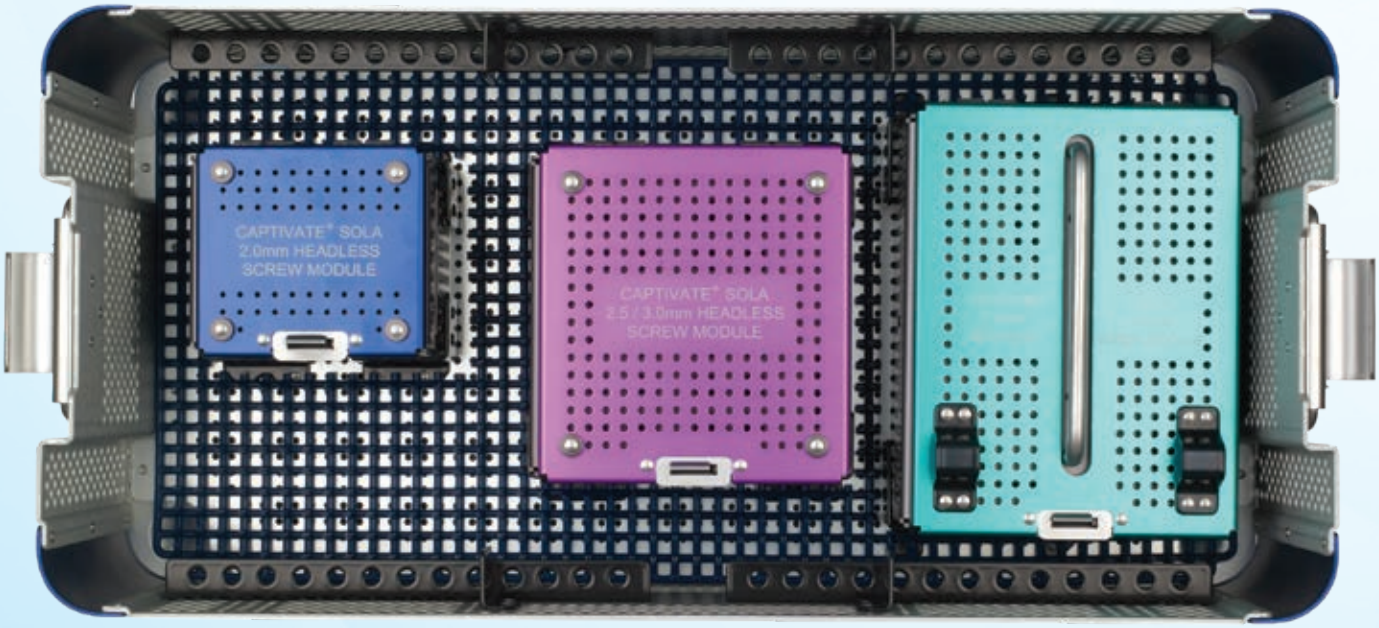
| | | |
|---|---|---|
| 6188.7165 | 3.4mm Cleaning Brush, 230mm | 0 |
| 6188.7265 | 2.8mm Cleaning Stylet, 230mm | 0 |
| 6188.6130 | T30 Removal Driver, Solid | 0 |

# CAPTIVATE™ SOLA
## Headless Compression Screw System
6.5/7.5mm Instrument Module 9188.9655

# CAPTIVATE™ SOLA
## Small Headless Screw System Layout
Layout with Carrying Case 9188.9210 and 9188.9220

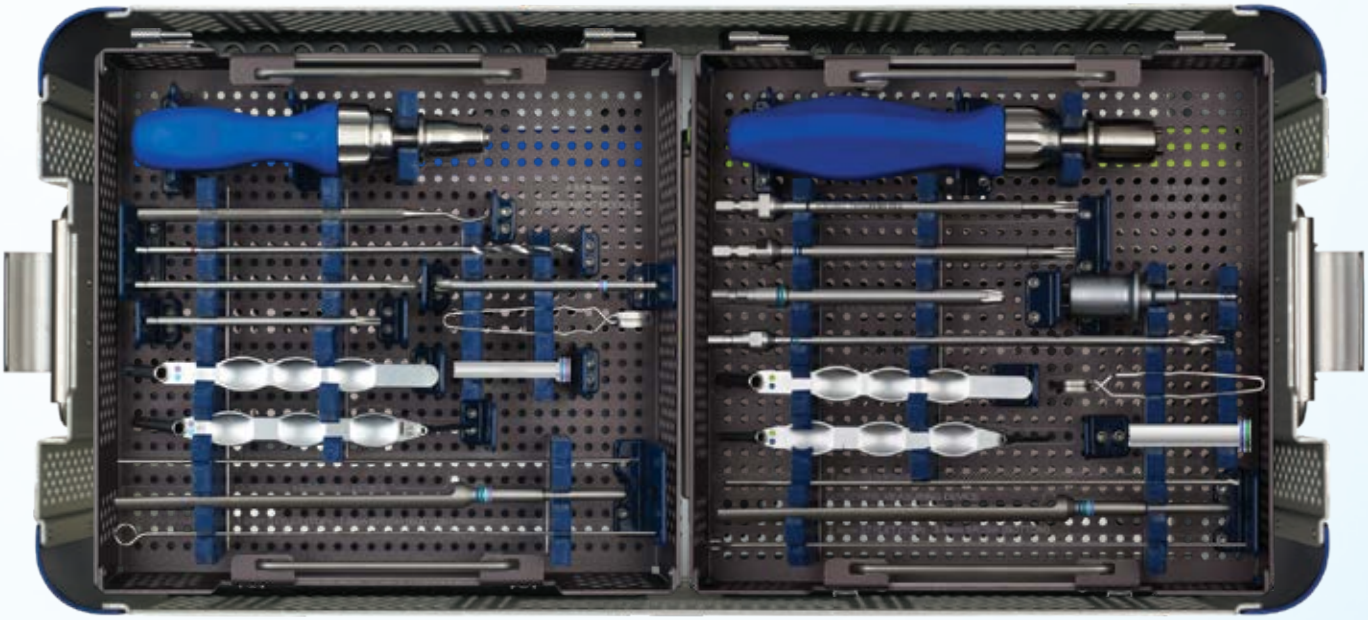


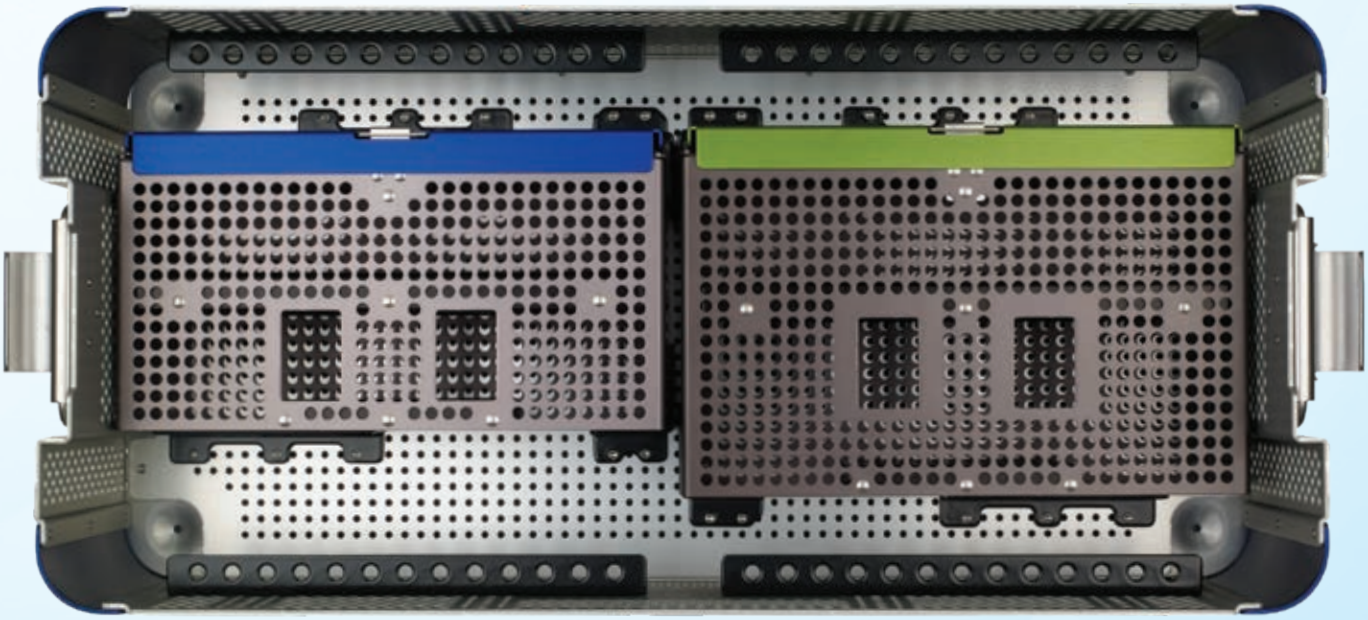


# CAPTIVATE™ SOLA

## Small Headless Screw System Layout

Layout with Carrying Case 9188.9210 and 9188.9220





# IMPORTANT INFORMATION ON CAPTIVATE™ COMPRESSION SCREWS

**DESCRIPTION**

CAPTIVATE™ Compression Screws consist of bone screws designed to compact juxtaposed bone for reconstruction and enhanced arthrodesis. The implants are available in various diameters and lengths to accommodate patient anatomy, with headless, partially or fully threaded, solid or cannulated, and variable length (VL) options. CAPTIVATE™ implants are manufactured from titanium alloy, cobalt chromium molybdenum alloy, or stainless steel, as specified in ASTM F136, F1295, F1472, F1537 and F138.

**INDICATIONS**

CAPTIVATE™ Compression Screws are indicated for use in adult and pediatric patients, for fracture repair and fixation, osteotomy, joint fusion, reconstruction and arthrodesis of bones appropriate for the size of the device.

CAPTIVATE™ VL Compression Screws are indicated for use in adult and pediatric patients, for fracture repair and fixation, osteotomy, joint fusion, reconstruction and arthrodesis of the phalanges, metacarpals, carpals, metatarsals, midfoot, hind foot, ankle, fibula, distal tibia, proximal tibia, radius, ulna, humerus, and clavicle.

**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 compression screw 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. An explanted implant must never be reimplanted. 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.

**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.
- 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.

**CAUTIONS**

Pre-operative

- These implants are 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, intraoperative 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.

Intraoperative

- 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 CAPTIVATE™ 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 CAPTIVATE™ Surgical Technique Guide).

Postoperative

- Postoperative 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, postoperative 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 postoperative examinations (e.g., X-ray checks) are advisable
- The risk of postoperative 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 postoperative 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 patient that the device cannot and does not replicate a normally healthy bone, that the device can break or become damaged as a result 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 malunion of the bone and/or bending, cracking or even breakage of the device
- Increased fibrous tissue response around the fracture site due to unstable comminuted fractures.
- Early or late infection, deep or superficial.
- Deep venous thrombosis.
- Avascular necrosis.
- Shortening of the effected bone/fracture site.

# IMPORTANT INFORMATION ON CAPTIVATE™ COMPRESSION SCREWS

- 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 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. 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 following ANSI/AAMI/ISO 17665-1:2006 Guidelines for Steam Sterility Validation to assure a Sterility Assurance Level (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: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 (U.S.A.) 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 | | |

**DI200A Rev D**

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

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



GMTGD291
03.26 Rev C