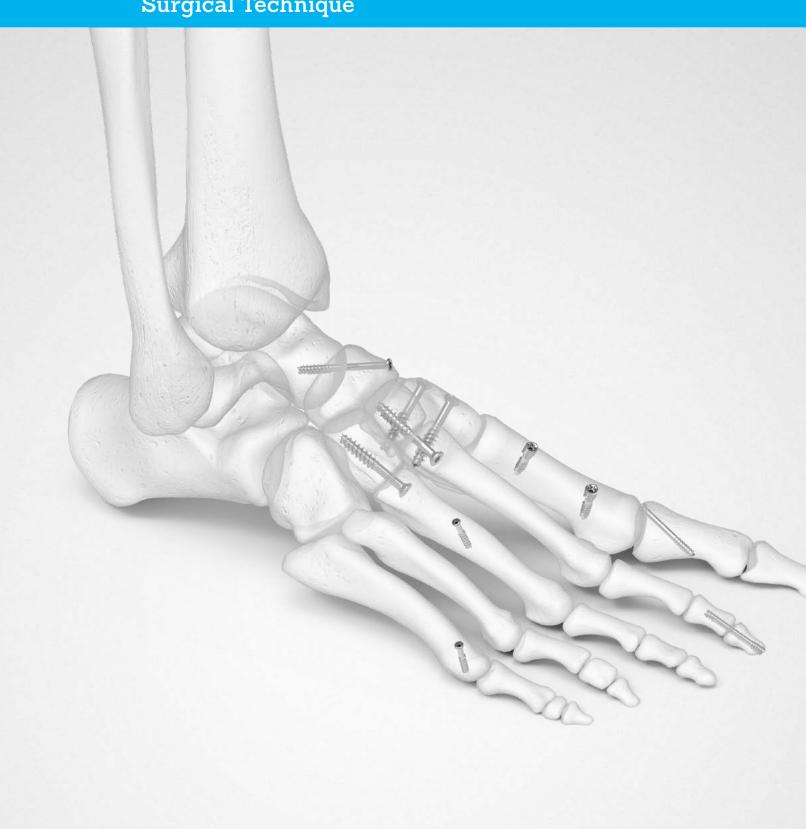


## $Osteo Med^{\scriptsize{\textcircled{@}}} \ Extremi Fix^{\text{TM}} \ Cannulated \ Screw \ System$ Mini & Small

# Surgical Technique



Acumed® is a global leader of innovative orthopaedic and medical solutions.







#### OsteoMed® ExtremiFix™ Cannulated Screw System | Mini & Small

The OsteoMed ExtremiFix Cannulated Screw System | Mini & Small is designed to provide a minimally invasive method of anatomical fixation in upper and lower extremities.

The ExtremiFix Cannulated Screw System | Mini & Small is indicated for use in bone reconstruction, osteotomy, arthrodesis, joint fusion, fracture repair, and fracture fixation of bones appropriate for the size of the device. Screws in the system are offered headed and headless in four diameters: 2.0, 2.4, 3.0, and 4.0 mm.

Refer to the provided Instructions for Use for the complete Indications, Contraindications, Warnings, and Instructions for Use including cleaning and sterilization details.

|         | Definition  |
|---------|---|
| Warning | Indicates critical information about a potential serious outcome to the patient or the user.  |
| Caution | Indicates instructions that must be followed in order to ensure the proper use of the device. |
| Note    | Indicates information requiring special attention.  |

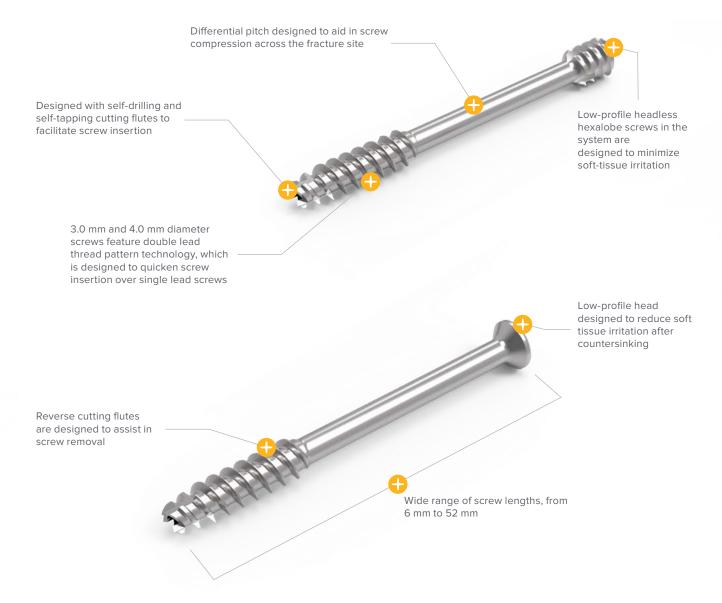


# Table of Contents

| System Features                      |  |
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# System Features

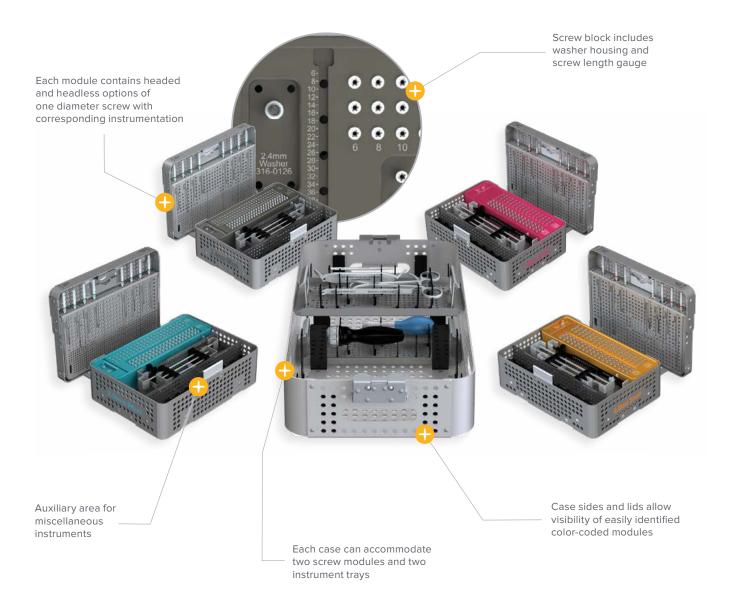
#### Cannulated Screws



## System Features [continued]

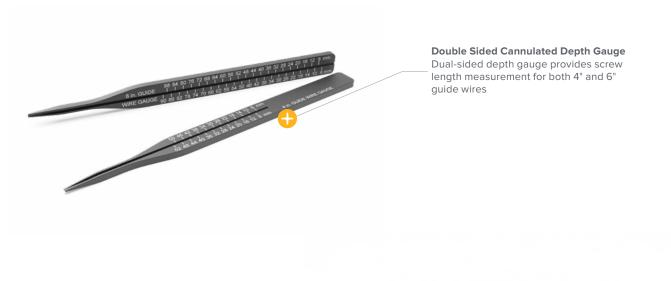
#### Modular Tray Configurations

The ExtremiFix Cannulated Screw System | Mini & Small is designed as a modular storage system. Each module includes a complete set of instrumentation specific to that screw diameter. Outer cases contain general instrumentation and can store up to two screw modules. Additionally, independent ExtremiFix Cannulated Screw System | Mini & Small modules can supplement OsteoMed's Hand Plating System, ExtremiLock™ Foot Plating System, and ExtremiLock™ Ankle Plating System to treat a wider variety of upper and lower extremity applications.



# System Features [continued]

#### **Instrument Features**



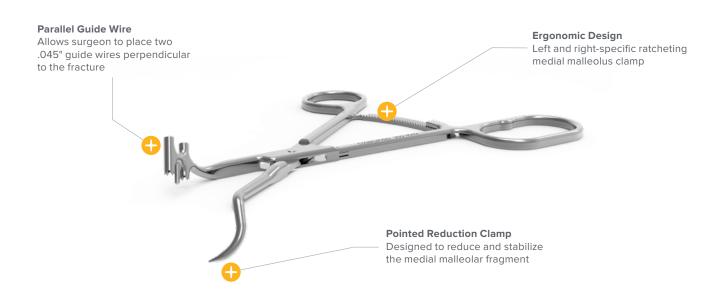
#### **Ratchet Handle**

Quick release ratcheting handle with rubberized grip

#### **Swivel Handle**

Jewelers handle is designed for fine control and tactile feedback





### **Instrument Overview**

#### **General Instruments**



Swivel Handle Driver, Quick Release (323-1701)



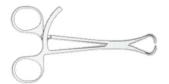
**Ø2.0/2.4/3.0/4.0** mm **Screw Remover** (316-0039)



Ratchet Handle, Quick Release (323-1702)



Ø2.0/2.4/3.0/4.0 mm Soft Tissue Protector/Wire Guide (316-0008)



**Bone Clamp** (320-0102)



**Ø2.0/2.4/3.0/4.0** mm **Screw Extractor** (316-0009)



Bone Clamp, Curved Lobster Claw 5½" Small (316-0046)



Cannulated Depth Gauge, Double Sided (316-0036)

#### Optional Instruments\*



Medial Malleolar Clamp, Left (320-4045)

Medial Malleolar Clamp, Right (320-4046)

## Instrument Overview [continued]

#### 2.0/2.4 mm Mini Instruments

**Ø1.7** mm Cannulated Drill, Short, Quick Release (316-0513)

**Ø1.7** mm Cannulated Drill, Long, Quick Release (316-0514) **Ø2.0/2.4** mm Cannulated Countersink, Quick Release (316-0511)

**Ø2.0/2.4 mm Proximal Cortex Drill, Quick Release** (316-0516)

**Ø1.7 mm Drill/Countersink Combo, Short, Quick Release**(316-0527)

Ø1.7 mm Drill/Countersink Combo, Long, Quick Release

(316-0528)

**Ø2.0/2.4** mm T7 Driver, Cannulated, Short, Quick Release (316-0544) Ø2.0/2.4 mm T7 Driver, Cannulated, Long, Quick Release (316-0545)

# Surgical Technique Overview

Reduction and Provisional Fixation

Cannulated Screw Surgical Technique



Insert K-wire

Measure Screw Length



## **Instrument Overview** [continued]

#### 3.0/4.0 mm Small Instruments

Ø3.0/4.0 mm Cannulated Countersink, Quick Release (316-0501)

Ø3.0/4.0 mm T10 Driver, Cannulated, Short, Quick Release (316-0554) Ø3.0/4.0 mm T10 Driver, Cannulated, Long, Quick Release (316-0555)

#### 3.0 mm Small Instruments

Ø2.3 mm Cannulated Drill, Quick Release

(316-0532)

(316-0534)

Ø3.2 mm Proximal Cortex Drill, Quick Release (316-0533) **Ø2.3** mm Drill/Countersink Combo, Short, Quick Release (316-0537)

**Ø2.3** mm Drill/Countersink Combo, Long, Quick Release (316-0538)

#### 4.0 mm Small Instruments

Ø2.7 mm Cannulated Drill, Quick Release

**Ø3.7** mm Proximal Cortex Drill, Quick Release (316-0543) Ø2.7 mm Drill/Countersink Combo, Short, Quick Release

(316 - 0547)

**Ø2.7** mm Drill/Countersink Combo, Long, Quick Release (316-0548)

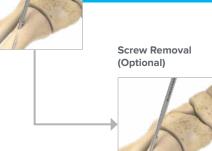




Countersink or Cortex Drill (Recommended)



Insert Screw



## Instrument and Screw Sizing

Instrumentation and screw modules are color-coded based on screw diameter to aid in identification.









| Diameter     | 2.0 mm Mini |                | 2.4 mm Mini    |          | 3.0 mm Small   |          | 4.0 mm Small   |          |
|--------------|-------------|----------------|----------------|----------|----------------|----------|----------------|----------|
| Material     |             |                | Titaniun       |          | m Alloy        |          |                |          |
| Head Type    | Headed      | Headless       | Headed         | Headless | Headed         | Headless | Headed         | Headless |
| Length       | 6–42 mm     | 10–42 mm       | 6–50 mm        | 10–50 mm | 10–40 mm       | 10–40 mm | 12–52 mm       | 12–52 mm |
| K-wire       |             | Ø.035" x 4" ar | nd Ø.035" x 6" |          | Ø.045" x 4" ar |          | nd Ø.045" x 6" |          |
| Pilot Drill* | Ø1.7        |                | 7 mm           |          | Ø2.3 mm        |          | Ø2.7 mm        |          |
| Drive Type*  |             | Т              | Γ7             |          | T10            |          | 10             |          |

<sup>\*</sup>Association for Osteosynthesis (AO) standard quick release connection.

#### 2.0 mm Mini Cannulated Screws



2.0 mm x 6–42 mm Cannulated Headed Screws (318-20XX)

2 mm increments



2.0 mm x 10-42 mm Cannulated Headless Screws (315-20XX)

2 mm increments



**2.0 mm Washer** (316-0125)

#### 2.4 mm Mini Cannulated Screws



2.4 mm x 6–50 mm Cannulated Headed Screws (318-24XX)

2 mm increments

## All the state of t

2.4 mm x 10-50 mm Cannulated Headless Screws (315-24XX)

2 mm increments



**2.4 mm Washer** (316-0126)

#### 3.0 mm Small Cannulated Screws



3.0 mm x 10–40 mm Cannulated Headed Screws (318-30XX)

2 mm increments

## Man Milhim

3.0 mm x 10-40 mm Cannulated Headless Screws (315-30XX)

2 mm increments



**3.0 mm Washer** (316-0225)

#### 4.0 mm Small Cannulated Screws



**4.0** mm x **12–52** mm Cannulated Headed Screws (318-40XX)

2 mm increments up to 40 mm in Length 4 mm increments up to 52 mm in Length



4.0 mm x 12–52 mm Cannulated Headless Screws (315-40XX)

2 mm increments up to 40 mm in Length 4 mm increments up to 52 mm in Length



**4.0 mm Washer** (316-0226)

## Headed and Headless Cannulated Screws

Reduction and Provisional Fixation
Using the preferred technique to reduce bone segments and provisionally fixate with a clamp or K-wire. A separate K-wire may provide increased rotational stability.



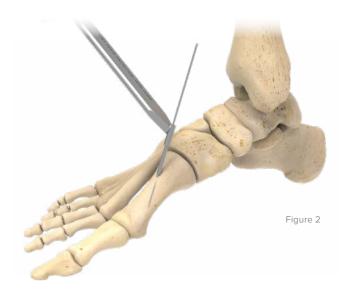
## Insert K-wire

Place the Soft Tissue Protector/Wire Guide (316-0008) through a stab or formal open incision. Through the soft tissue protector, insert the K-wire (316-0XXX), across the fixation site to the appropriate depth (Figure 2).

**Caution:** Careful dissection and the soft tissue protector should be used during percutaneous placement.

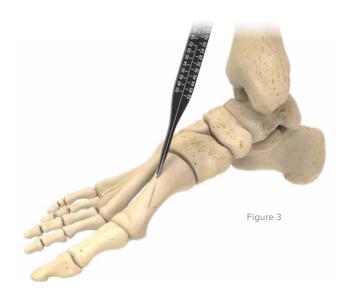
| K-wires for 2.0/2.4 mm Screws |                                      |  |
|-------------------------------|--------------------------------------|--|
| 316-0107                      | Ø.035 x 4" K-wire                    |  |
| 316-0106                      | Ø.035 x 6" K-wire                    |  |
|                               | Ø.035 x 4" Partially Threaded K-wire |  |
| 0.000                         | Ø.035 x 4" Double Trocar K-wire      |  |
|                               | Ø.035 x 6" Double Trocar K-wire      |  |

| K-wires for 3.0/4.0 mm Screws |                                      |  |  |
|-------------------------------|--------------------------------------|--|--|
| 316-0003                      | Ø.045 x 4" K-wire                    |  |  |
| 316-0004                      | Ø.045 x 6" K-wire                    |  |  |
|                               | Ø.045 x 6" Partially Threaded K-wire |  |  |
| 0.00.20                       | Ø.045 x 4" Double Trocar K-wire      |  |  |
| 316-0122                      | Ø.045 x 6" Double Trocar K-wire      |  |  |





### Headed and Headless Cannulated Screws [continued]

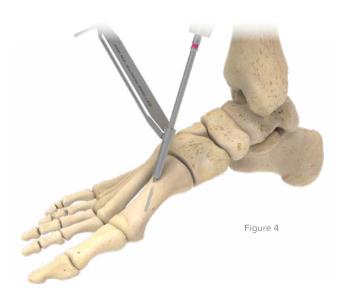


## Measure Screw Length

Slide the Cannulated Depth Gauge, e Sided (316-0036) over the K-wire until the tip

Double Sided (316-0036) over the K-wire until the tip of the depth gauge contacts the surface of the bone (Figure 3). Make sure to use the side of the depth gauge that corresponds to the length of guide wire used.

**Note:** After screw length has been recorded and when appropriate, the guide wire may be advanced to maintain position during pre-drilling.



## Predrill (Recommended)

The ExtremiFix Mini & Small cannulated screws are self-drilling and self-tapping.

**Note:** In cases of dense cortical bone, pre-drilling with the appropriately sized cannulated drill is recommended.

| Drills for 2.0/2.4 mm Screws |   |  |
|------------------------------|---|--|
| 316-0513                     | Ø1.7 mm Cannulated Drill, Short,<br>Quick Release |  |
| 316-0514                     | Ø1.7 mm Cannulated Drill, Long,<br>Quick Release  |  |

|                             | adick release                           |  |  |  |
|-----------------------------|---|--|--|--|
|                             |   |  |  |  |
| Drill for 3.0/4.0 mm Screws |   |  |  |  |
| 316-0532                    | Ø2.3 mm Cannulated Drill, Quick Release |  |  |  |

Use the selected Cannulated Drill (316-05XX) through the soft tissue protector to drill a pilot hole (Figure 4).

**Caution:** To maintain K-wire position, drilling should not go beyond the tip of the wire.



Cannulated Depth Gauge, Double Sided (316-0036)



K-wire (316-0XXX)



Ø1.7 mm Cannulated Drill, Short, Quick Release (316-0513)



Ø1.7 mm Cannulated Drill, Long, Quick Release (316-0514)



**Ø2.3 mm Cannulated Drill, Quick Release**(316-0532)

### Headed and Headless Cannulated Screws [continued]



# Countersink or Cortex Drill (Recommended)

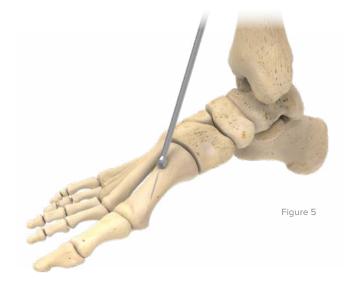
Cortex Drills and Countersinks (316-05XX) should be placed over the K-wire to create a recess in the near cortex just deep enough to capture the screw head (Figure 5).

**Caution:** For Headed Screws, countersinking should be done by hand to avoid over-penetrating the proximal cortex.

**Note:** Countersinking may reduce stress risers and screw head prominence, particularly when guide wire placement is not perpendicular to the bone surface. For Headless Screws, Cortex Drills are available to create a pilot hole for proximal screw threads in dense cortical bone.

| Countersink/Cortex Drill for 2.0/2.4 mm Screws |  |  |  |  |
|--|--|--|--|--|
| 316-0511                                       | Ø2.0/2.4 mm Cannulated Countersink,<br>Quick Release |  |  |  |
| 316-0516                                       | Ø2.4 mm Proximal Cortex Drill                        |  |  |  |

| Countersink/Cortex Drill for 3.0/4.0 mm Screws |  |  |  |  |
|--|--|--|--|--|
| 316-0501                                       | Ø3.0/4.0 mm Cannulated Countersink,<br>Quick Release |  |  |  |
| 316-0533                                       | Ø3.2 mm Proximal Cortex Drill, Quick Release         |  |  |  |





Ø2.0/2.4 mm CannulatedCountersink, Quick Release (316-0511)



**Ø2.4 mm Proximal** Cortex Drill (316-0516)



Ø3.0/4.0 mm Cannulated Countersink, Quick Release (316-0501)



Ø3.2 mm Proximal Cortex Drill, Quick Release (316-0533)



**K-wire** (316-0XXX)

#### Headed and Headless Cannulated Screws [continued]



#### Insert Screw

The Screw Remover (316-0039) may be helpful to remove the desired screw from the module. Verify screw length using the length gauge on the screw module (Figure 6).

Slide the selected Cannulated Screw (318-XXXX or 315-XXXX) over the K-wire.

Using the Cannulated Driver (316-05XXX) and Driver Handle (323-170X), drive the screw head until fully seated (Figure 7).

| Driver for 2.0/2.4 mm Screws |  |  |
|------------------------------|--|--|
| 316-0544                     | Ø2.0/2.4 mm T7 Driver, Cannulated, Short,<br>Quick Release |  |
| 316-0545                     | Ø2.0/2.4 mm T7 Driver, Cannulated, Long,<br>Quick Release  |  |

| Drivers fo | or 3.0/4.0 mm Screws  |
|------------|---|
| 316-0554   | Ø3.0/4.0 mm T10 Driver, Cannulated, Short,<br>Quick Release |
| 316-0555   | Ø3.0/4.0 mm T10 Driver, Cannulated, Long,<br>Quick Release  |

It may be necessary to drive the screw further into the bone to prevent screw head prominence.

Verify final screw placement under fluoroscopy then remove and discard the K-wire.

Repeat the overall surgical technique, as necessary, for additional screw placement.

|   | Washers  |                |
|---|----------|----------------|
| - |          | Ø2.0 mm Washer |
|   |          | Ø2.4 mm Washer |
|   |          | Ø3.0 mm Washer |
|   | 316-0226 | Ø4.0 mm Washer |

**Note:** To provide additional contact area with the bone, optional Washers (316-0XXX) may be placed over the K-wire, prior to a headed screw.



Ø2.0/2.4 mm T7 Driver, Cannulated, Quick Release (316-054X)



Ø3.0/4.0 mm T10 Driver, Cannulated, Short, Quick Release (316-055X)



Swivel Handle Driver, Quick Release (323-1701)



Ratchet Handle, Quick Release (323-1702)



**Ø2.0/2.4/3.0/4.0** mm **Screw Remover** (316-0039)



Cannulated Screw (315-XXXX)



Headed Cannulated Screw (318-XXXX)



Washer (316-0XXX)

# Screw Removal Technique [Optional]

# 1

#### Screw Removal

Locate the implant with intraoperative imaging.

Palpate the screw and remove surrounding soft tissue to gain maximum exposure.

Insert a K-wire (316-0XXX) through the screw cannula, if possible.

Engage screw with a Cannulated Driver (316-05XX) and rotate counterclockwise until the screw is removed (Figure 1).

If the screw cannot be removed with a cannulated driver, insert the Screw Extractor (316-0009) into the cannulation. The screw head does not need to be intact during extraction. As long as the screw canal is exposed, the tip of the screw extractor can be inserted into the cannula.

While applying axial force, rotate the screw extractor counterclockwise until the screw is removed.

**Warning:** It is important to keep the extractor in line with the screw to be removed. Failure to do so may cause the extractor to break.





**Ø2.0/2.4/3.0/4.0** mm **Screw Extractor** (316-0009)



K-wire (316-0XXX)



Swivel Handle Driver, Quick Release (323-1701)



Ratchet Handle, Quick Release (323-1702)



Ø2.0/2.4 mm T7 Driver, Cannulated, Short, Quick Release (316-0544)



Ø2.0/2.4 mm T7 Driver, Cannulated, Long, Quick Release (316-0545)



Ø3.0/4.0 mm T10 Driver, Cannulated, Short, Quick Release (316-0554)

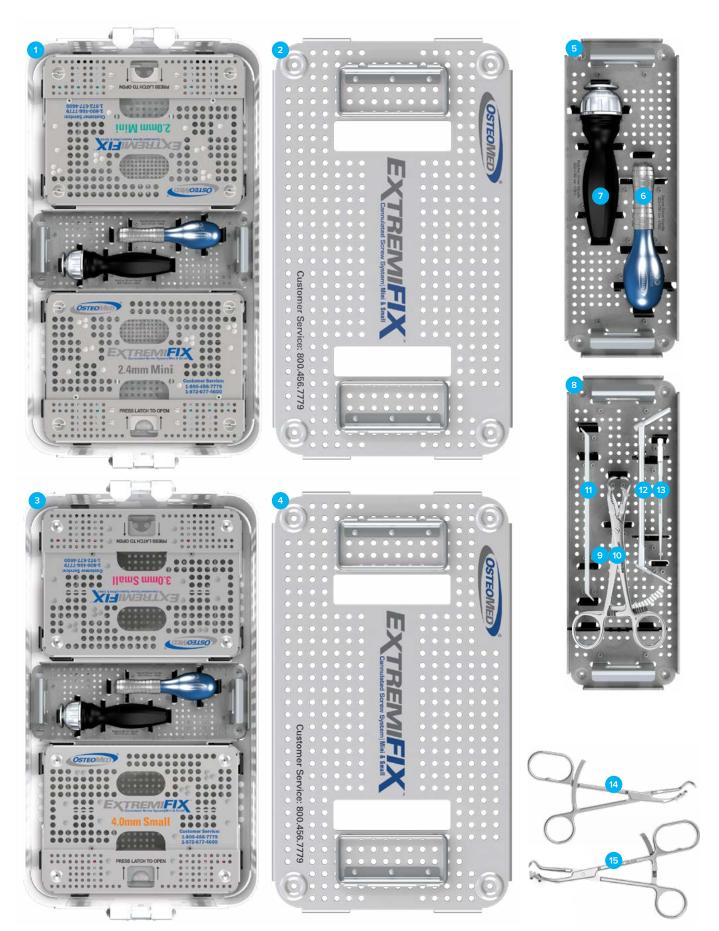


Ø3.0/4.0 mm T10 Driver, Cannulated, Long, Quick Release (316-0555)

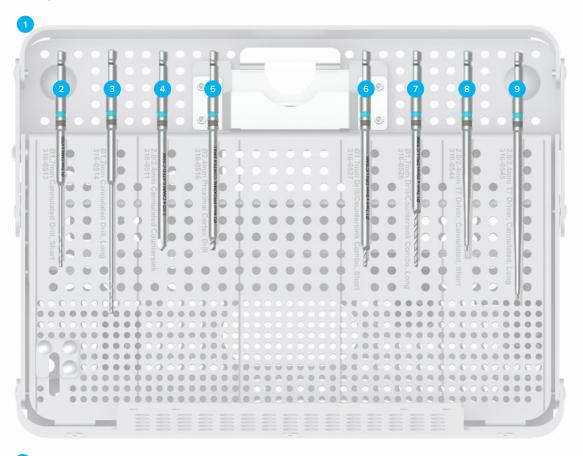
# Ordering Information

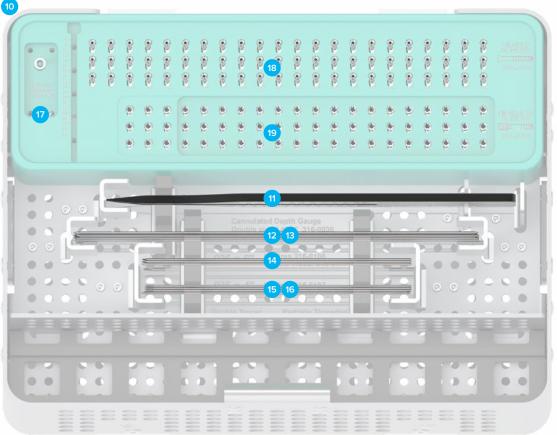
| Outer Trays                                 |          |   |          |
|---|----------|---|----------|
| Outer Trays - Mini System                   |          | Outer Trays - Small System                      |          |
| Outer Tray Base, ExtremiFix<br>Mini & Small | 316-1501 | Outer Tray Base, ExtremiFix<br>Mini & Small     | 316-1501 |
| Outer Tray Lid, ExtremiFix<br>Mini & Small  | 316-1502 | Outer Tray Lid, ExtremiFix<br>Mini & Small      | 316-1502 |
| Tray Components                             |          |   |          |
| Inner Platter, Ratchet and Swivel Handles   | 316-1503 | Inner Platter, Clamps and Common Instruments    | 316-1504 |
| 6 Swivel Handle Driver, Quick Release       | 323-1701 | 9 Bone Clamp                                    | 320-0102 |
| 7 Ratchet Handle, Quick Release             | 323-1702 | Bone Clamp, Curved Lobster Claw 5½" Small       | 316-1501 |
|   |          | Ø2.0/2.4/3.0/4.0 mm Cannulated<br>Screw Remover | 316-0039 |
|   |          | 02.0/2.4/3.0/4.0 mm Soft<br>Tissue Protector    | 316-0008 |
|   |          | 02.0/2.4/3.0/4.0 mm<br>Screw Extractor          | 316-0009 |
| Optional Instruments*                       |          |   |          |
| 14 Medial Malleolar Clamp, Left             | 320-4045 | 15 Medial Malleolar Clamp, Right                | 320-4046 |

<sup>\*</sup>The Medial Malleolar Clamp is an optional instrument, and may not be required to complete installation of the ExtremiFix Cannulated Screw System | Mini & Small. For more information please see: 030-2231.



| Ø2.0 mm Screw & Instrument<br>Module, ExtremiFix Mini     | 316-1520   | 2  | Ø1.7 mm Cannulated Drill, Short,<br>Quick Release          | 316   | 6-0513 |
|---|------------|----|--|-------|--------|
| Ø1.7 mm Cannulated Drill, Long, Quick Release             | 316-0514   | 4  | Ø2.0/2.4 mm Cannulated Countersink, Quick Release          | 316   | 6-0511 |
| Ø2.0/2.4 mm Proximal Cortex Drill,<br>Quick Release       | 316-0516   | 6  | Ø1.7 mm Drill/Countersink Combo,<br>Short, Quick Release   | 316   | 6-0527 |
| Ø1.7 mm Drill/Countersink Combo,<br>Long, Quick Release   | 316-0528   | 8  | Ø2.0/2.4 mm T7 Driver,<br>Cannulated, Short, Quick Release | 316   | 6-0544 |
| Ø2.0/2.4 mm T7 Driver, Cannulated,<br>Long, Quick Release | 316-0545   |    |  |       |        |
| ay Components — 2.0 mm So                                 | crew Modul | е  |  |       |        |
| Ø2.0 mm Screw & Instrument<br>Module, ExtremiFix Mini     | 316-1520   | 11 | Cannulated Depth Gauge, Double sided 4"/6"                 | 316   | 6-0036 |
| Ø.035 x 6" K-wire   | 316-0106   | 13 | Ø.035 x 6" Double Trocar K-wire                            | 316   | 6-0117 |
| Ø.035 x 4" K-wire   | 316-0107   | 15 | Ø.035 x 4" Double Trocar K-wire                            | 316   | 6-0119 |
| Ø.035 x 4" Partially Threaded K-wire                      | 316-0114   | 17 | Ø2.0 mm Washer   | 316   | 6-0125 |
| ay Components — 2.0 mm So                                 | crew Modul | e  |  |       |        |
| 2.0 mm Headed Cannulated Scre                             | ws         | 19 | 2.0 mm Headless Cannulated                                 | Scre  | ws     |
| 2.0 x 6 mm Cannulated Headed Screw                        | 318-2006   |    | 2.0 x 10 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 8 mm Cannulated Headed Screw                        | 318-2008   |    | 2.0 x 12 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 10 mm Cannulated Headed Screw                       | 318-2010   |    | 2.0 x 14 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 12 mm Cannulated Headed Screw                       | 318-2012   |    | 2.0 x 16 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 14 mm Cannulated Headed Screw                       | 318-2014   |    | 2.0 x 18 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 16 mm Cannulated Headed Screw                       | 318-2016   |    | 2.0 x 20 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 18 mm Cannulated Headed Screw                       | 318-2018   |    | 2.0 x 22 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 20 mm Cannulated Headed Screw                       | 318-2020   |    | 2.0 x 24 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 22 mm Cannulated Headed Screw                       | 318-2022   |    | 2.0 x 26 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 24 mm Cannulated Headed Screw                       | 318-2024   |    | 2.0 x 28 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 26 mm Cannulated Headed Screw                       | 318-2026   |    | 2.0 x 30 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 28 mm Cannulated Headed Screw                       | 318-2028   |    | 2.0 x 32 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 30 mm Cannulated Headed Screw                       | 318-2030   |    | 2.0 x 34 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 32 mm Cannulated Headed Screw                       | 318-2032   |    | 2.0 x 36 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 34 mm Cannulated Headed Screw                       | 318-2034   |    | 2.0 x 38 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 36 mm Cannulated Headed Screw                       | 318-2036   |    | 2.0 x 40 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 38 mm Cannulated Headed Screw                       | 318-2038   |    | 2.0 x 42 mm Cannulated Headless S                          | Screw | 315    |
| 2.0 x 40 mm Cannulated Headed Screw                       | 318-2040   |    |  |       |        |





### Tray Components — 2.4 mm Screw Module

Ø2.4 mm Screw & Instrument Module, ExtremiFix Mini

316-1524

See previous spread for instrument callouts

#### Tray Components — 2.4 mm Screw Module

| 40 | Ø2.4 mm Screw & Instrument | 316-1524 |
|----|----------------------------|----------|
|    | Module, ExtremiFix Mini    | 310-1324 |

12 Ø.035 x 6" K-wire 316-0106

Ø.035 x 4" K-wire 316-0107

6 Ø.035 x 4" Partially Threaded K-wire 316-0114

| 4 | Cannulated Depth Gauge, Double sided 4"/6" | 316-0036 |
|---|--|----------|
| • | sided 4"/6"                                | 310-0030 |

0.035 x 6" Double Trocar K-wire 316-0117

Ø.035 x 4" Double Trocar K-wire 316-0119

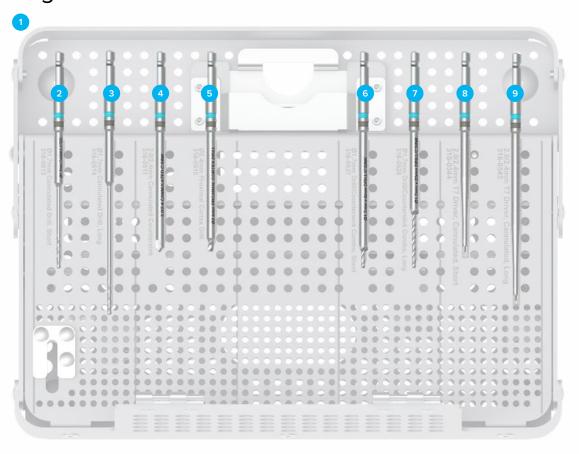
17 Ø2.4 mm Washer 316-0126

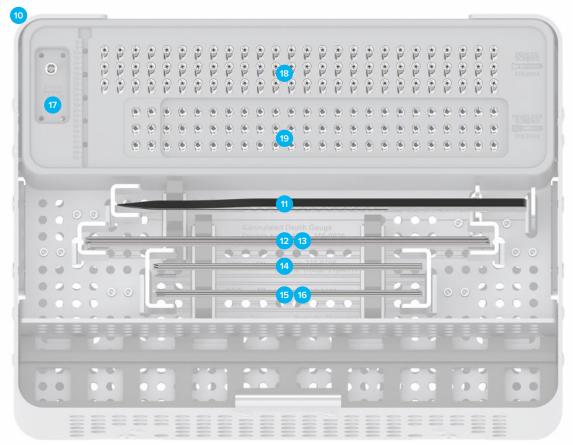
### Tray Components — 2.4 mm Screw Module

#### 19 2.4 mm Headless Cannulated Screws

| 18 2.4 mm Headed Cannulated Screw   | <i>I</i> S |
|-------------------------------------|------------|
| 2.4 x 6 mm Cannulated Headed Screw  | 318-2406   |
| 2.4 x 8 mm Cannulated Headed Screw  | 318-2408   |
| 2.4 x 10 mm Cannulated Headed Screw | 318-2410   |
| 2.4 x 12 mm Cannulated Headed Screw | 318-2412   |
| 2.4 x 14 mm Cannulated Headed Screw | 318-2414   |
| 2.4 x 16 mm Cannulated Headed Screw | 318-2416   |
| 2.4 x 18 mm Cannulated Headed Screw | 318-2418   |
| 2.4 x 20 mm Cannulated Headed Screw | 318-2420   |
| 2.4 x 22 mm Cannulated Headed Screw | 318-2422   |
| 2.4 x 24 mm Cannulated Headed Screw | 318-2424   |
| 2.4 x 26 mm Cannulated Headed Screw | 318-2426   |
| 2.4 x 28 mm Cannulated Headed Screw | 318-2428   |
| 2.4 x 30 mm Cannulated Headed Screw | 318-2430   |
| 2.4 x 32 mm Cannulated Headed Screw | 318-2432   |
| 2.4 x 34 mm Cannulated Headed Screw | 318-2434   |
| 2.4 x 36 mm Cannulated Headed Screw | 318-2436   |
| 2.4 x 38 mm Cannulated Headed Screw | 318-2438   |
| 2.4 x 40 mm Cannulated Headed Screw | 318-2440   |
| 2.4 x 42 mm Cannulated Headed Screw | 318-2442   |
| 2.4 x 44 mm Cannulated Headed Screw | 318-2444   |
| 2.4 x 46 mm Cannulated Headed Screw | 318-2446   |
| 2.4 x 48 mm Cannulated Headed Screw | 318-2448   |
| 2.4 x 50 mm Cannulated Headed Screw | 318-2450   |

| 2.4 mm Headless Cannulated Screw      | rs       |
|---------------------------------------|----------|
| 2.4 x 10 mm Cannulated Headless Screw | 315-2410 |
| 2.4 x 12 mm Cannulated Headless Screw | 315-2412 |
| 2.4 x 14 mm Cannulated Headless Screw | 315-2414 |
| 2.4 x 16 mm Cannulated Headless Screw | 315-2416 |
| 2.4 x 18 mm Cannulated Headless Screw | 315-2418 |
| 2.4 x 20 mm Cannulated Headless Screw | 315-2420 |
| 2.4 x 22 mm Cannulated Headless Screw | 315-2422 |
| 2.4 x 24 mm Cannulated Headless Screw | 315-2424 |
| 2.4 x 26 mm Cannulated Headless Screw | 315-2426 |
| 2.4 x 28 mm Cannulated Headless Screw | 315-2428 |
| 2.4 x 30 mm Cannulated Headless Screw | 315-2430 |
| 2.4 x 32 mm Cannulated Headless Screw | 315-2432 |
| 2.4 x 34 mm Cannulated Headless Screw | 315-2434 |
| 2.4 x 36 mm Cannulated Headless Screw | 315-2436 |
| 2.4 x 38 mm Cannulated Headless Screw | 315-2438 |
| 2.4 x 40 mm Cannulated Headless Screw | 315-2440 |
| 2.4 x 42 mm Cannulated Headless Screw | 315-2442 |
| 2.4 x 44 mm Cannulated Headless Screw | 315-2444 |
| 2.4 x 46 mm Cannulated Headless Screw | 315-2446 |
| 2.4 x 48 mm Cannulated Headless Screw | 315-2448 |
| 2.4 x 50 mm Cannulated Headless Screw | 315-2450 |
|                                       |          |



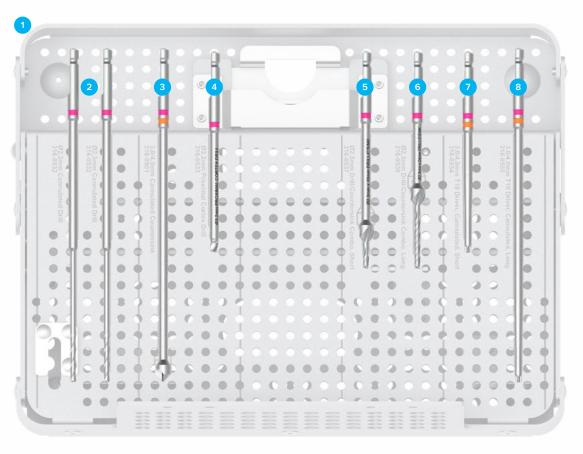


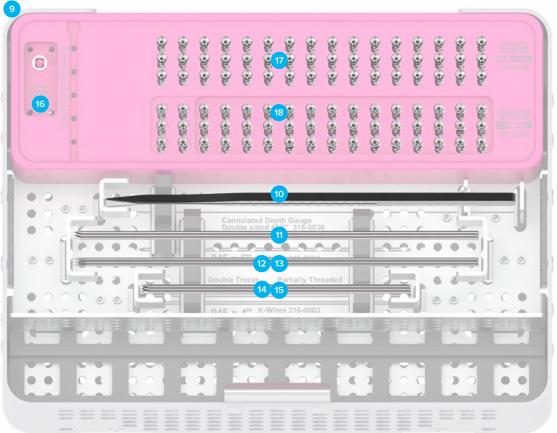
| Tray Components — 3.0 mm Driver and Drill Module            |          |  |          |  |  |  |
|---|----------|--|----------|--|--|--|
| 03.0 mm Screw & Instrument<br>Module, ExtremiFix Small      | 316-1530 | Ø2.3 mm Cannulated Drill,<br>Quick Release                                 | 316-0532 |  |  |  |
| Ø3.0/4.0 mm Cannulated<br>Countersink, Quick Release        | 316-0501 | Ø3.2 mm Proximal Cortex Drill,<br>Quick Release                            | 316-0533 |  |  |  |
| Ø2.3 mm Drill/Countersink Combo,<br>Short, Quick Release    | 316-0537 | <ul><li>Ø2.3 mm Drill/Countersink Combo,<br/>Long, Quick Release</li></ul> | 316-0538 |  |  |  |
| Ø3.0/4.0 mm T10 Driver, Cannulated,<br>Short, Quick Release | 316-0554 | 3 Ø3.0/4.0 mm T10 Driver,<br>Cannulated, Long, Quick Release               | 316-0555 |  |  |  |

| Tray Components — 3.0 mm Screw Module                    |          |  |          |  |  |  |  |
|--|----------|--|----------|--|--|--|--|
| 9 Ø3.0 mm Screw & Instrument<br>Module, ExtremiFix Small | 316-1530 | Cannulated Depth Gauge, Double sided 4"/6" | 316-0036 |  |  |  |  |
| 11 Ø.045 x 6" K-wire                                     | 316-0004 | 0.045 x 6" Partially Threaded K-wire       | 316-0006 |  |  |  |  |
| 0.045 x 6" Double Trocar K-wire                          | 316-0122 | 0.045 x 4" K-wire                          | 316-0003 |  |  |  |  |
| 0.045 x 4" Double Trocar K-wire                          | 316-0123 | 16 Ø3.0 mm Washer                          | 316-0225 |  |  |  |  |

## Tray Components — 3.0 mm Screw Module

| 3.0 mm Headed Cannulated Screw      | 7S       | 3.0 mm Headless Cannulated Screw      | s        |
|-------------------------------------|----------|---------------------------------------|----------|
| 3.0 x 10 mm Cannulated Headed Screw | 318-3010 | 3.0 x 10 mm Cannulated Headless Screw | 315-3010 |
| 3.0 x 12 mm Cannulated Headed Screw | 318-3012 | 3.0 x 12 mm Cannulated Headless Screw | 315-3012 |
| 3.0 x 14 mm Cannulated Headed Screw | 318-3014 | 3.0 x 14 mm Cannulated Headless Screw | 315-3014 |
| 3.0 x 16 mm Cannulated Headed Screw | 318-3016 | 3.0 x 16 mm Cannulated Headless Screw | 315-3016 |
| 3.0 x 18 mm Cannulated Headed Screw | 318-3018 | 3.0 x 18 mm Cannulated Headless Screw | 315-3018 |
| 3.0 x 20 mm Cannulated Headed Screw | 318-3020 | 3.0 x 20 mm Cannulated Headless Screw | 315-3020 |
| 3.0 x 22 mm Cannulated Headed Screw | 318-3022 | 3.0 x 22 mm Cannulated Headless Screw | 315-3022 |
| 3.0 x 24 mm Cannulated Headed Screw | 318-3024 | 3.0 x 24 mm Cannulated Headless Screw | 315-3024 |
| 3.0 x 26 mm Cannulated Headed Screw | 318-3026 | 3.0 x 26 mm Cannulated Headless Screw | 315-3026 |
| 3.0 x 28 mm Cannulated Headed Screw | 318-3028 | 3.0 x 28 mm Cannulated Headless Screw | 315-3028 |
| 3.0 x 30 mm Cannulated Headed Screw | 318-3030 | 3.0 x 30 mm Cannulated Headless Screw | 315-3030 |
| 3.0 x 32 mm Cannulated Headed Screw | 318-3032 | 3.0 x 32 mm Cannulated Headless Screw | 315-3032 |
| 3.0 x 34 mm Cannulated Headed Screw | 318-3034 | 3.0 x 34 mm Cannulated Headless Screw | 315-3034 |
| 3.0 x 36 mm Cannulated Headed Screw | 318-3036 | 3.0 x 36 mm Cannulated Headless Screw | 315-3036 |
| 3.0 x 38 mm Cannulated Headed Screw | 318-3038 | 3.0 x 38 mm Cannulated Headless Screw | 315-3038 |
| 3.0 x 40 mm Cannulated Headed Screw | 318-3040 | 3.0 x 40 mm Cannulated Headless Screw | 315-3040 |
|                                     |          |                                       |          |

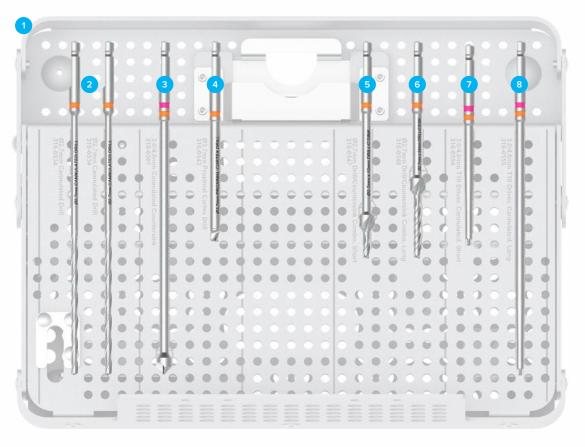


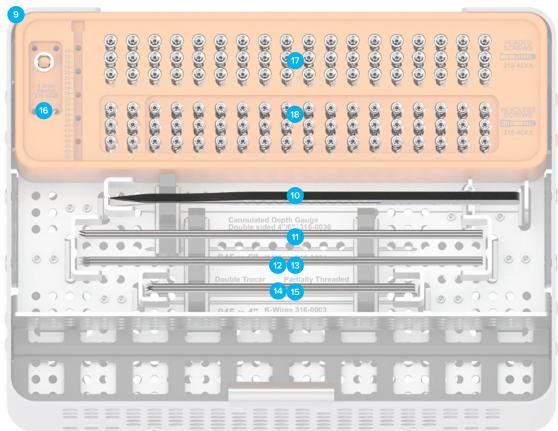


| Ø4.0 mm Screw & Instrument<br>Module, ExtremiFix Small                       | 316-1540   | <ul><li>Ø2.7 mm Cannulated Drill,</li><li>Quick Release</li><li>316-053</li></ul> |
|--|------------|---|
| Ø3.0/4.0 mm Cannulated<br>Countersink, Quick Release                         | 316-0501   | Ø3.7 mm Proximal Cortex Drill, Quick Release  316-054                             |
| Ø2.7 mm Drill/Countersink Combo,<br>Short, Quick Release                     | 316-0547   | <ul><li>Ø2.7 mm Drill/Countersink Combo,</li><li>Long, Quick Release</li></ul>    |
| Ø3.0/4.0 mm T10 Driver, Cannulated<br>Short, Quick Release                   | 316-0554   | Ø3.0/4.0 mm T10 Driver, Cannulated, Long, Quick Release                           |
|  |            | - Califidated, Long, Quick Release  |
| ·  | Screw Modu |   |
| ·  | Screw Modu |   |
| ray Components — 4.0 mm  Ø4.0 mm Screw & Instrument                          |            | le Cannulated Depth Gauge, Double   |
| ray Components — 4.0 mm  Ø4.0 mm Screw & Instrument Module, ExtremiFix Small | 316-1540   | Cannulated Depth Gauge, Double sided 4"/6"  |

## Tray Components — 4.0 mm Screw Module

| J                                   |            |                                       |          |
|-------------------------------------|------------|---------------------------------------|----------|
| 4.0 mm Headed Cannulated Screw      | <i>1</i> S | 4.0 mm Headless Cannulated Screw      | 'S       |
| 4.0 x 12 mm Cannulated Headed Screw | 318-4012   | 4.0 x 12 mm Cannulated Headless Screw | 315-4012 |
| 4.0 x 14 mm Cannulated Headed Screw | 318-4014   | 4.0 x 14 mm Cannulated Headless Screw | 315-4014 |
| 4.0 x 16 mm Cannulated Headed Screw | 318-4016   | 4.0 x 16 mm Cannulated Headless Screw | 315-4016 |
| 4.0 x 18 mm Cannulated Headed Screw | 318-4018   | 4.0 x 18 mm Cannulated Headless Screw | 315-4018 |
| 4.0 x 20 mm Cannulated Headed Screw | 318-4020   | 4.0 x 20 mm Cannulated Headless Screw | 315-4020 |
| 4.0 x 22 mm Cannulated Headed Screw | 318-4022   | 4.0 x 22 mm Cannulated Headless Screw | 315-4022 |
| 4.0 x 24 mm Cannulated Headed Screw | 318-4024   | 4.0 x 24 mm Cannulated Headless Screw | 315-4024 |
| 4.0 x 26 mm Cannulated Headed Screw | 318-4026   | 4.0 x 26 mm Cannulated Headless Screw | 315-4026 |
| 4.0 x 28 mm Cannulated Headed Screw | 318-4028   | 4.0 x 28 mm Cannulated Headless Screw | 315-4028 |
| 4.0 x 30 mm Cannulated Headed Screw | 318-4030   | 4.0 x 30 mm Cannulated Headless Screw | 315-4030 |
| 4.0 x 32 mm Cannulated Headed Screw | 318-4032   | 4.0 x 32 mm Cannulated Headless Screw | 315-4032 |
| 4.0 x 34 mm Cannulated Headed Screw | 318-4034   | 4.0 x 34 mm Cannulated Headless Screw | 315-4034 |
| 4.0 x 36 mm Cannulated Headed Screw | 318-4036   | 4.0 x 36 mm Cannulated Headless Screw | 315-4036 |
| 4.0 x 38 mm Cannulated Headed Screw | 318-4038   | 4.0 x 38 mm Cannulated Headless Screw | 315-4038 |
| 4.0 x 40 mm Cannulated Headed Screw | 318-4040   | 4.0 x 40 mm Cannulated Headless Screw | 315-4040 |
| 4.0 x 44 mm Cannulated Headed Screw | 318-4044   | 4.0 x 44 mm Cannulated Headless Screw | 315-4044 |
| 4.0 x 48 mm Cannulated Headed Screw | 318-4048   | 4.0 x 48 mm Cannulated Headless Screw | 315-4048 |
| 4.0 x 52 mm Cannulated Headed Screw | 318-4052   | 4.0 x 52 mm Cannulated Headless Screw | 315-4052 |
|                                     |            |                                       |          |





| OsteoMed® ExtremiFix™ Cannulated Screw System   Mini & Small Surgical Technique<br>Notes: |  |
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|        | OsteoMed® ExtremiFix™ Cannulated Screw System   Mini & Small Surgical Technique |
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