Extraction Instruments for Titanium Trochanteric Fixation Nail System

Alternatives to aid in the removal of Titanium Trochanteric Fixation Nails

Technique using the Extraction Screw Guide [357.421]

1. Thread the Extraction Screw Guide [357.421] into the Extraction Screw [357.396].

2. Remove the end cap, using the 5.0 mm Flexible Hexagonal Screwdriver [357.406], 5.0 mm Hexagonal Shaft [357.415], or 11 mm Cannulated Hexagonal Socket [357.414].

3. Using the tip of the guide, center the Extraction Screw in the top of the nail, and thread the assembly into the nail. Remove the Extraction Screw Guide [357.421], leaving the Extraction Screw in place.

4. Pass the 5.0 mm Flexible Hexagonal Screwdriver through the Extraction Screw and engage the hex of the locking mechanism. Turn the locking mechanism counterclockwise until it stops. The locking mechanism is now disengaged.

5. Thread the Helical Blade Extractor [357.378] into the helical blade. Align the shaft of the extractor with the notch in the helical blade. Pass the Slide Hammer [357.25] over the Hammer Guide [357.22], and thread the Hammer Guide into the Helical Blade Extractor. Hold the shaft of the Helical Blade Extractor and use light blows of the Slide Hammer to extract the helical blade.

6. Remove the locking bolts or screws, using the 3.5 mm Hexagonal Screwdriver.

7. Thread the Hammer Guide and Slide Hammer assembly into the Extraction Screw. Hold the Extraction Screw and use light hammer blows to extract the nail.
Technique using the Conical Extraction Bolt [357.420]

1. Remove the end cap, using the 5.0 mm Flexible Hexagonal Screwdriver [357.406], 5.0 mm Hexagonal Shaft [357.415], or 11 mm Cannulated Hexagonal Socket [357.414].

2. Insert the 5.0 mm Flexible Hexagonal Screwdriver into the nail and engage the hex of the locking mechanism. Turn the locking mechanism counterclockwise 14 half turns (7 full turns) to disengage it from the helical blade.


4. Using the 5.0 mm Flexible Hexagonal Screwdriver, advance the locking mechanism clockwise to the stop.

5. Thread the Conical Extraction Bolt [357.420] into the top of the nail until fully engaged. Remove the distal locking screws or bolts with the 3.5 mm Hexagonal Screwdriver.

6. Thread the Hammer Guide and Slide Hammer assembly into the Conical Extraction Bolt. Hold the Conical Extraction Bolt and use light hammer blows to extract the nail.