

# EXODUS

Evolution

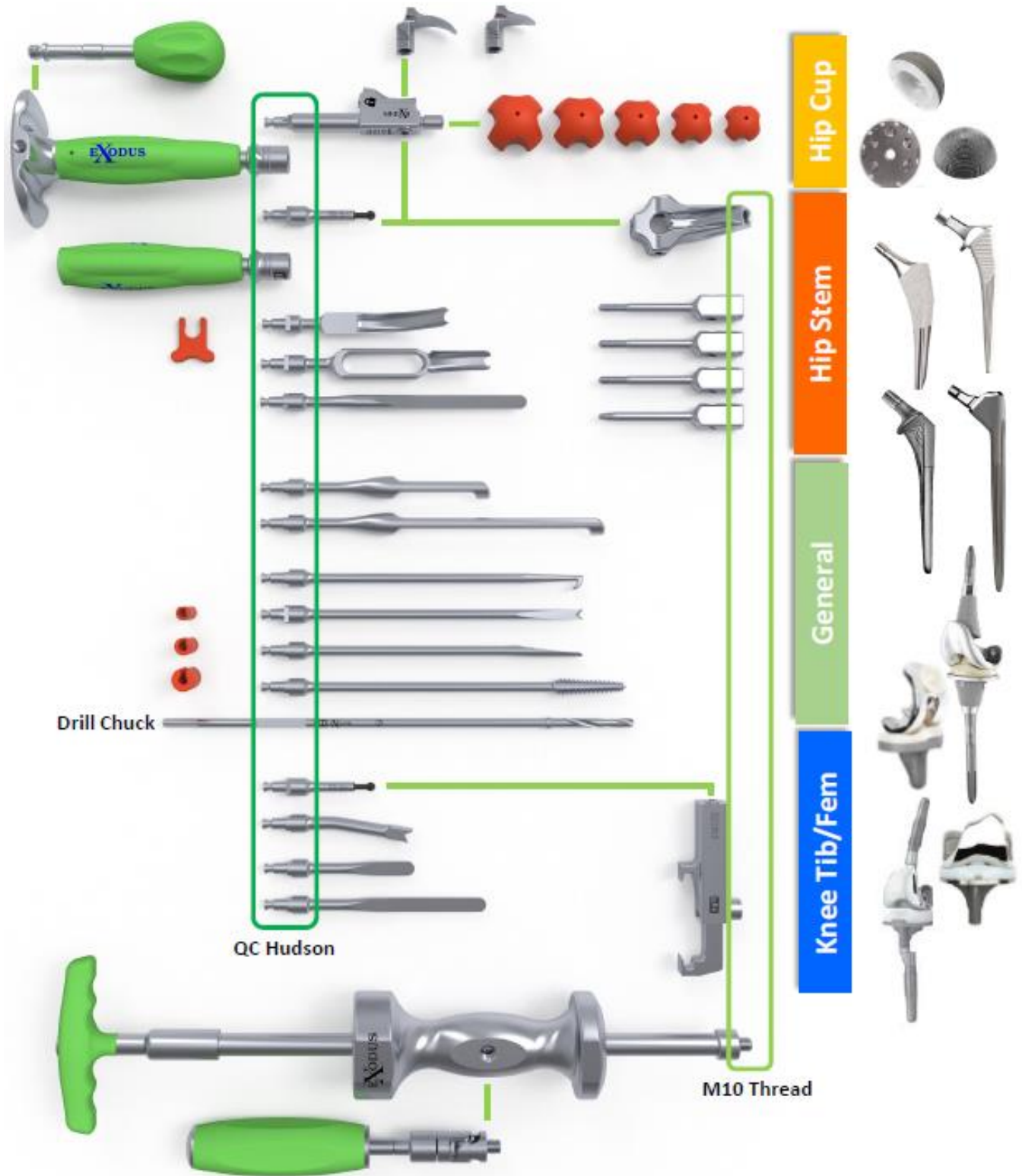


*The Next Generation of Convenient  
Hip and Knee Revision  
Instrumentation*



# EXODUS System Overview

Evolution

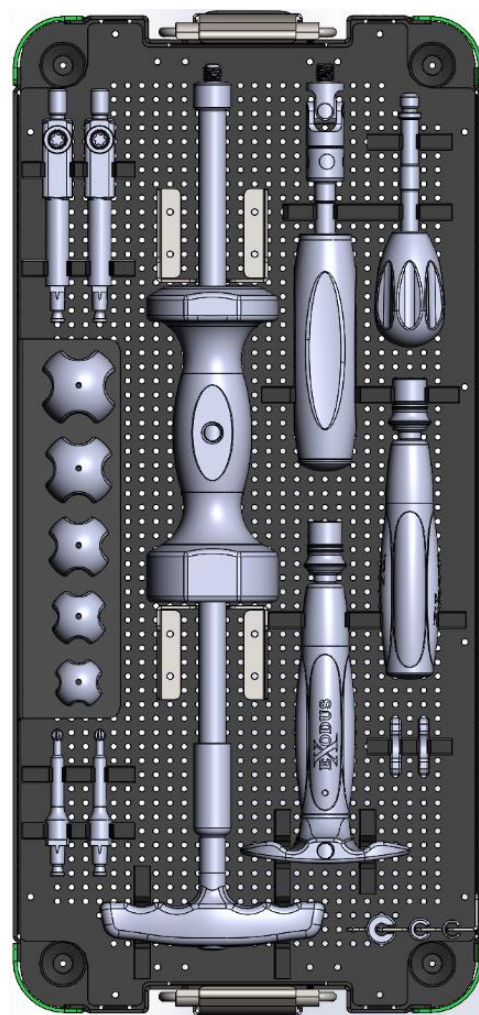




## Handle Tray

The Exodus Evolution Revision Hip System is designed for minimal bone loss with minimal effort and minimal damage to the surrounding tissues. Modular handles interface with the full suite of attachments.

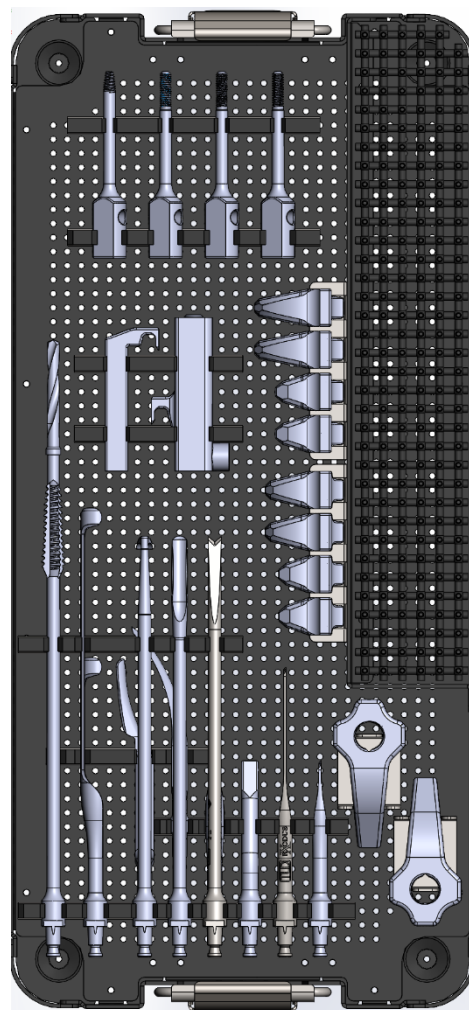
00-507-400-18/19	1	Exodus Handle - Strikeplate
00-507-400-16	1	Exodus Handle
00-507-400-40	1	Tommy Bar
00-507-400-76	1	Jack Rabbit Slap Hammer
00-507-400-77	1	Jack Rabbit Slap Hammer Sling
00-507-450-00	2	Ball Nose T40 Hex Driver
00-507-401-00	2	Cup Cutter
00-507-401-28	1	Cup Cutter Ball 28
00-507-401-32	1	Cup Cutter Ball 32
00-507-401-36	1	Cup Cutter Ball 36
00-507-401-40	1	Cup Cutter Ball 40
00-507-401-44	1	Cup Cutter Ball 44
00-507-430-41	1	Drill Centering Spacer 10mm
00-507-430-42	1	Drill Centering Spacer 12mm
00-507-430-43	1	Drill Centering Spacer 16mm
00-507-401-90	2	Hudson Bell Blocker, Orange



### Attachment Tray: Single-Use (SU) Steam Sterilizable Items

Single-use Attachment ensure that the instruments are sharp and free of damage. The instruments provide options to both break cement interfaces and cut through in-growth along the implant contour for easy removal.

00-507-481-01	*	Medial Stem Osteotome, SU
00-507-481-02	*	Lateral Stem Osteotome, SU
00-507-481-03	*	Chisel, Long, SU
00-510-482-01	2	SM Cup [48-58]-Short Talon, SU
00-510-482-02	2	SM Cup [48-58]-Long Talon, SU
00-510-483-01	2	LG Cup [60-74]-Short Talon, SU
00-510-483-02	2	LG Cup [60-74]-Long Talon, SU
00-510-488-01	2	Threaded Stem Extractor #1, SU
00-510-488-02	2	Threaded Stem Extractor #2, SU
00-510-488-03	2	Threaded Stem Extractor #3, SU
00-510-488-04	2	Threaded Stem Extractor #4, SU
00-510-484-01	1	Goat Foot, SU
00-510-484-03	1	Chisel, Short, SU
00-510-484-07	1	Chisel, Medium, SU
00-510-485-04	2	Trunnion Locker, SU
00-510-486-01	2	Knee Claw, SU
00-510-487-01	1	Straight Gouge, SU
00-510-487-02	1	V-Splitter, SU
00-510-487-03	1	Reverse Curette, SU
00-510-487-04	1	Tap, SU
00-510-487-05	1	Cement Drill, SU
00-510-489-01	1	Short Hockey Stick Right, SU
00-510-489-03	1	Long Hockey Stick Right, SU



**\* Note these items are sold in a Single Use Femoral Hip Stem Removal Sterile Pack: 00-510-400-00 and distributed through [ZIMMER BIOMET](#) directly.**



## Instructions for Use

The single-use steam sterilizable Exodus Revision Attachment Instruments are intended to work in conjunction with the reusable Handle Tray instruments to assist in the removal of the hip and knee prostheses during a revision procedure.

The desired modular instrument shall be connected to the Exodus Handle prior to use. Once secured in place, the handle may be impacted on the strikeplate to drive the blade forward to disrupt the cement-bone interface. If an instrument becomes stuck, the Exodus Handle can be impacted on the underside of the strikeplate to work the instrument out of the interface.

The osteotomes should not be hit directly, but should always be connected to the Exodus Handle. The Exodus Handle should only be used in conjunction with a mallet when it is being struck axially to prevent bending of the device. Please see the attached Quick Reference Guides for additional instructions for use.

## Assembly/Disassembly

The Exodus Revision System Sets consist of modular osteotomes/extraction shafts as well as instruments designed to grasp specific implants. The various revision instruments are designed to be interchangeable with the Exodus Handles and slap hammer. Please see the attached Quick Reference Guides for additional assembly and disassembly instructions.

## Inspection and Replacement for Durable and Single-Use Instruments

After surgery, visually inspect instruments for damage, wear, and/or rust. The instruments in the Attachments tray are made to be single-use instruments. Though they are provided in sterilization trays and intended to be steam sterilized, their durability beyond a single use cannot be guaranteed to perform their intended function. After surgery, it is recommended that the single-use instruments used in surgery be discarded. Wear and/or other damage that may occur during the implant removal can compromise instrument function. Please see the attached Quick Reference Guides for additional instructions for inspection and replacement of single use instruments.

## Tray

Instruments in tray should not exceed 25lb total weight.

## Contact Information

[www.exodusrevision.com](http://www.exodusrevision.com)

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USA Patents and Trademark: [www.tightlinedevelopment.com/patents](http://www.tightlinedevelopment.com/patents)



## Quick Reference Guides

# EXODUS

Revision System

## Quick Reference Guide – Single-use Attachments Tray Maintenance

- 1 Inspect attachment instruments for signs of previous use.
- 2 It is recommended that the attachments used in surgery be discarded. Wear and/or other damage that may occur during the surgery can compromise the attachment's performance ability.

Signs of use	Un-used, ready for use	Used, discard and replace
Deformation		
Wear		
Fracture		

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Revision System

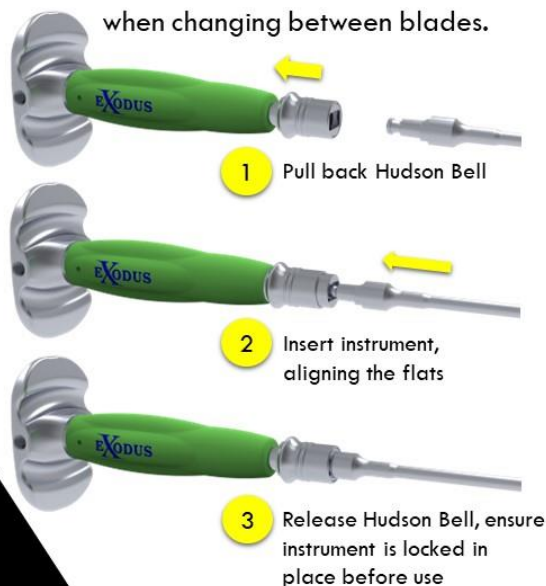
## Quick Reference Guide - Hudson Attachment & Bell Blocker

Hudson Attachment - designed to provide rotational control and enable efficiency when changing between blades.

Bell Blocker is available for added back-slap retention with the Exodus Handle

With any instrument installed, push Bell Blocker between Exodus Handle grip and Hudson Bell

Rotate out of view during usage, pull-off to unlock/remove instrument



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## Quick Reference Guide – Handle Backslap

### Strike-Plate Undersurface

Curvature designed to enable a firm grip between the palm and fingertips while back-striking during extraction



### Oversized Strike-Plate

Designed to provide protection from the mallet and enable impaction and extraction without having to change instruments.

Impact angled undersurface of strike Plate for extraction blows

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## Quick Reference Guide – Stem Removal Osteotomes



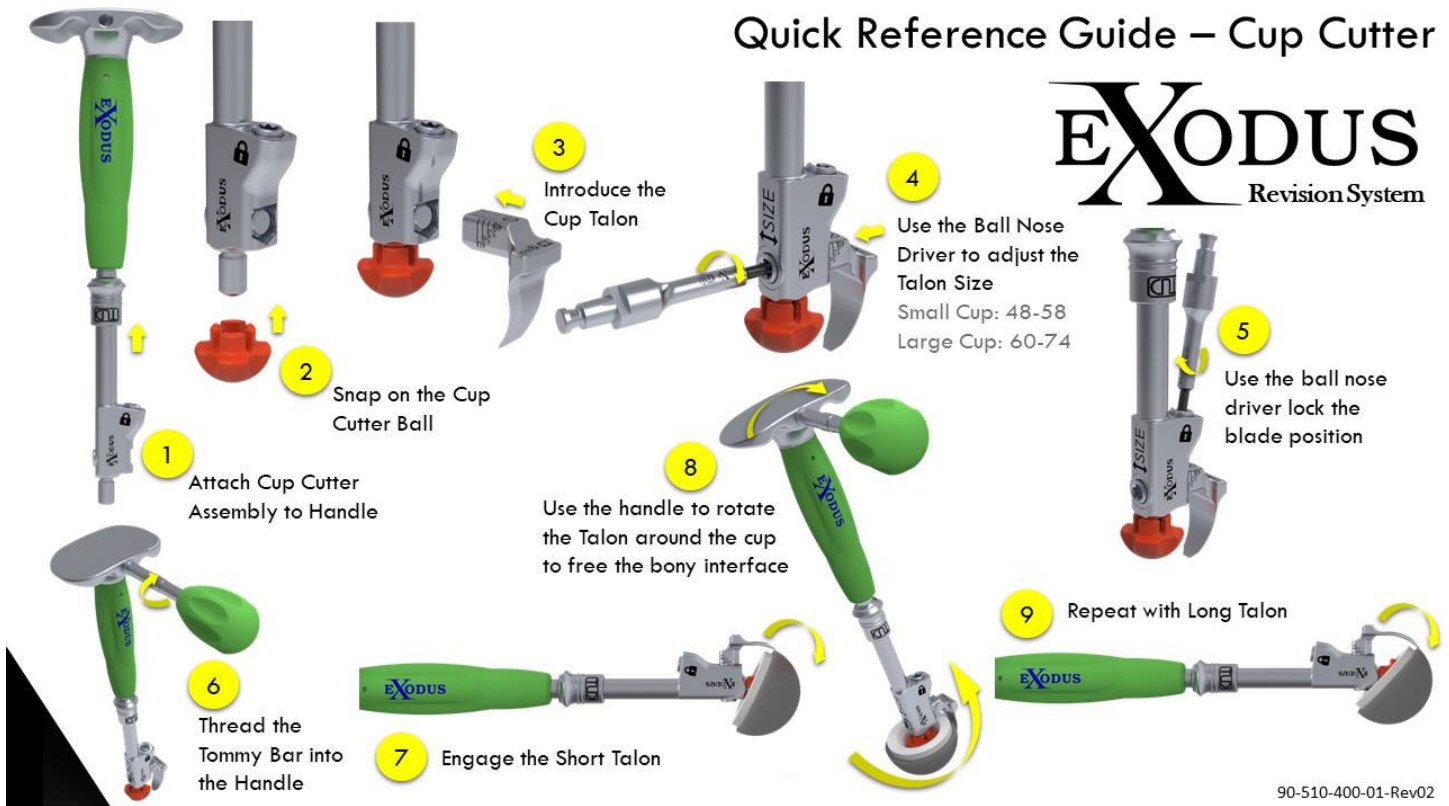
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## Quick Reference Guide – Cup Cutter

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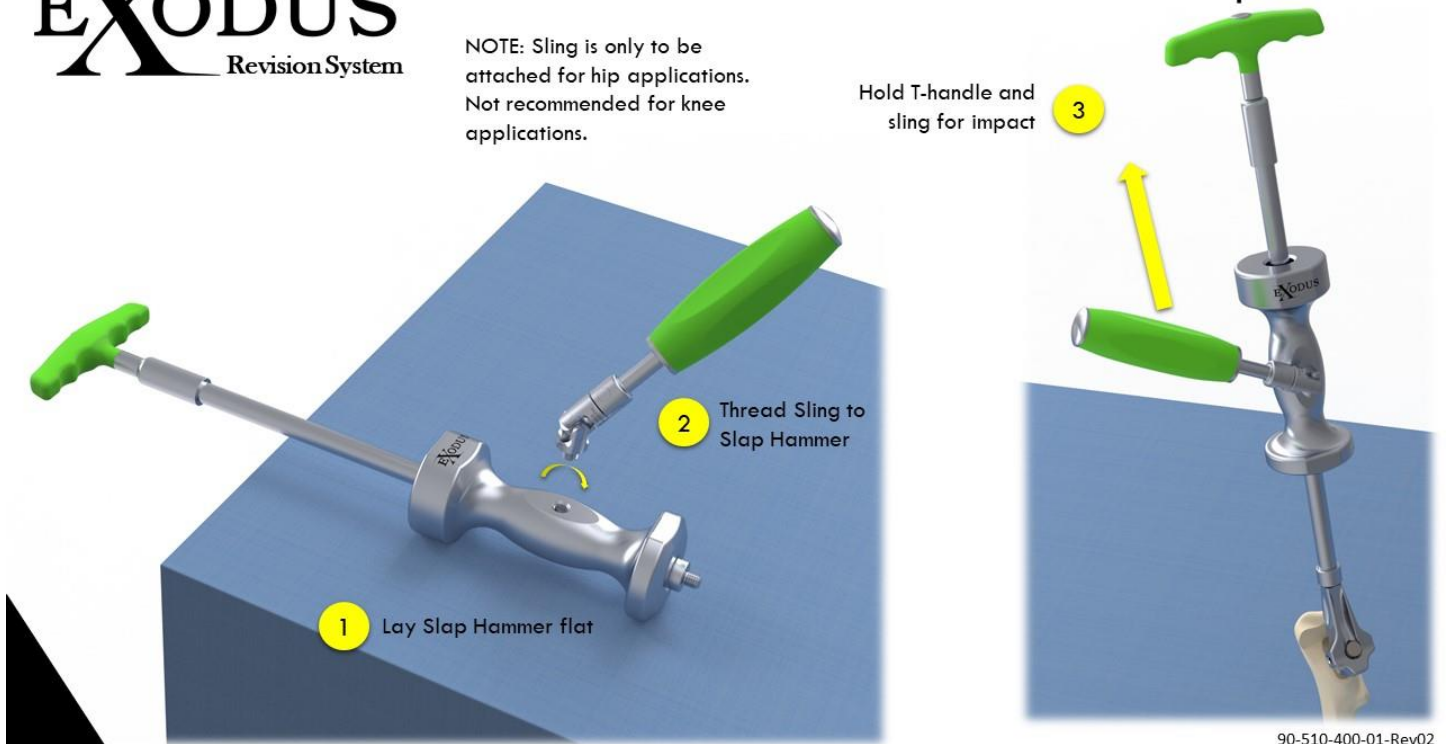
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## Quick Reference Guide – Slap Hammer

NOTE: Sling is only to be attached for hip applications. Not recommended for knee applications.

Hold T-handle and sling for impact







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## Quick Reference Guide – Stem Trunnion Options

### Option A

If: Stem has a threaded hole

Then: Use correct Threaded Stem Extractor (see Quick Reference Guide – Threaded Adaptors) with Slap Hammer

Note: For non-matching threads, use the Rescue Tap (#4)



### Option B

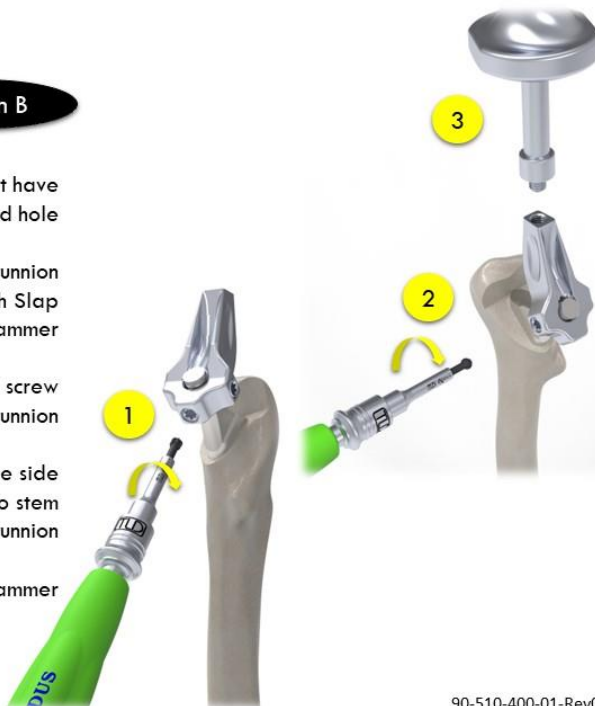
If: Stem does not have threaded hole

Then: Use Trunnion Locker with Slap Hammer

1 Tighten front set screw onto stem trunnion

2 Tighten at least one side set screw onto stem trunnion

3 Thread Slap Hammer



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## Quick Reference Guide – Threaded Adaptors

	DePuySynthes			ZIMMER BIOMET				stryker		smith&nephew			
	ACTIS®	CORAIL®	SUMMIT®	Avenir Complete™	ML Taper®/ Wagner®	TM Primary™ CPT®	Taperloc® Bi-Metric® Echo®	Arcos® Modular (stem)	Insignia™	Accolade® II	POLARSTEM™	ANTHOLOGY™	REDAPT™
No Thread*					•						•		
#1 (¼-20)						•			•	•		•	•
#2 (¼-28)							•	•					
#3 (M6x1.0)	•	•	•	•									
#4 (Rescue)	•	•	•	•		•	•	•	•	•		•	•

\*Note: For no thread use the Trunnion Locker stem attachment.

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## Quick Reference Guide – Knee Claws

1 To assemble, insert and thread the sliding arm into the body. Fully unthread to disassemble.

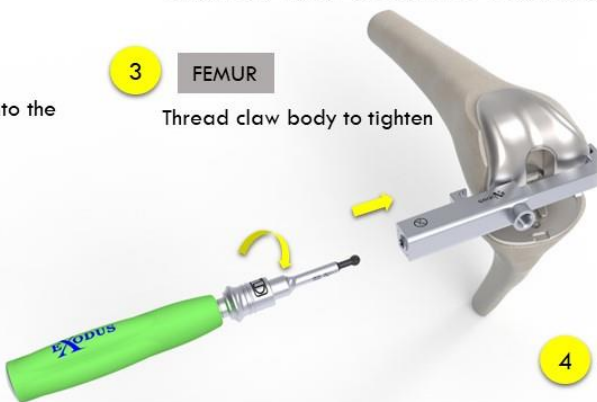


2 With claw extended, assemble sliding arm to grasp under implant



3 FEMUR

Thread claw body to tighten



4 Connect Slap Hammer



3 TIBIA

Thread claw body to tighten



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Revision System

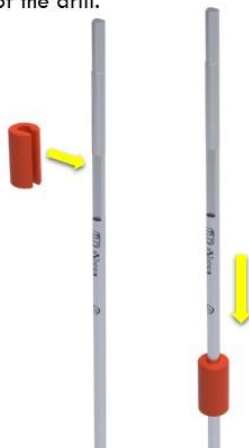
## Quick Reference Guide – Cement Drill

Drill Centering Spacer- designed to centralize the cement drill within the femoral canal.

1 Attach Cement Drill to standard Drill Chuck



2 Select 10, 12, or 16mm Centralizer based on canal size. Slide the slotted opening over the flat section of the Cement Drill and push to the distal end of the drill.



3

Introduce the drill into the canal and allow the centralizer to center itself within the canal while drilling the cement mantle.

The Cement Drill Stop will retain the Drill Centering Spacer during removal from the canal.



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