CupX Acetabular Cup Extraction System
Page 8

Whelan Hip Stem Extractor with Strike Plate Attachment
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Tibial Knee Component Extractor
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Screw/Pin Removal Locking Pliers
Page 24

Featuring many New! instruments throughout

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HIP & KNEE Revision/Extraction Instruments
Universal Modular Femoral Hip Component Extractor

Helps remove a femoral hip stem after the modular head has been removed.

Designed to clamp onto the taper of a femoral hip stem after the modular head has been removed. The extractor is equipped with a swivel block for attachment of a slap hammer. The swivel block helps keep the slap hammer in line with the angle of the femoral stem. Includes standard slap hammer, #3925.

**Universal Modular Femoral Hip Component Extractor**

The extractor is opened to accommodate any size taper on a modular head total hip stem.

The taper is clamped between the rotating block and the taper anvil. Tightening the “T” handle holds a stem taper in place.

The slap hammer is screwed into the swivel block. The slap hammer can be aligned with the stem utilizing the swivel block.

Extraction is carried out by the slap hammer or by utilizing a mallet on the hammer flares of the slap hammer.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3610</td>
<td>Original Extractor with Standard Slap Hammer #3925</td>
</tr>
<tr>
<td>3610-R</td>
<td>Anterior Approach Extractor with Standard Slap Hammer #3925</td>
</tr>
</tbody>
</table>

**Optional/Individual Parts:**

<table>
<thead>
<tr>
<th>No</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3610-01</td>
<td>Original Extractor Only</td>
</tr>
<tr>
<td>3610-R-01</td>
<td>Anterior Approach Extractor Only</td>
</tr>
<tr>
<td>3925</td>
<td>Standard Slap Hammer 3/8”-16 Thread Gauge</td>
</tr>
<tr>
<td>3935</td>
<td>Extra Large Slap Hammer 3/8”-16 Thread Gauge</td>
</tr>
</tbody>
</table>

See page 5 for alternative slap hammers.
Heck Anterior Modular Hip Component Extractor with Strikeplate

Designed to clamp onto the taper of a femoral hip stem after the modular head has been removed. In the process of placing the extractor over the neck and tightening the locking screw, the upper flange surface of the strikeplate can be hit to help engagement. The inferior flange surface of the strikeplate can be hit in a vertical fashion when the femoral component is particularly well engaged. The extractor is equipped with a swivel block for attachment of a slap hammer. The swivel block helps keep the slap hammer in line with the angle of the femoral stem. Includes standard slap hammer, #3925.

Femoral Extraction Instruments

Designed to help remove various types of femoral implants

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1202 [Loop Extractor with Standard Slap Hammer]</td>
</tr>
<tr>
<td>S1202-01 [Loop Extractor Only] Overall Length: 6.3&quot; (16.5 cm)</td>
</tr>
<tr>
<td>S1203 [J-Hook Stem Extractor with Standard Slap Hammer]</td>
</tr>
<tr>
<td>S1203-01 [J-Hook Stem Extractor Only] Overall Length: 4.75&quot; (12.1 cm)</td>
</tr>
<tr>
<td>S1204 [One-Piece Stem Extractor with Standard Slap Hammer]</td>
</tr>
<tr>
<td>S1204-01 [One-Piece Stem Extractor Only] Overall Length: 4.125&quot; (10.5 cm)</td>
</tr>
<tr>
<td>3925 [Standard Slap Hammer] 3/8&quot;-16 Thread Gauge</td>
</tr>
<tr>
<td>3935 [Extra Large Slap Hammer] 3/8&quot;-16 Thread Gauge</td>
</tr>
</tbody>
</table>

See page 5 for alternative slap hammers.
Whelan Hip Stem Extractor

Designed by E. J. Whelan, III, MD

Designed to lock onto and remove a femoral hip stem after the modular head has been removed

Extraction normally requires two bolts to be used to clamp onto, tighten, and extract the component. Four bolt holes, distributed evenly around the stem extractor, allow the surgeon to choose which holes will offer optimal access for placing and tightening the bolts.

PRODUCT NO'S:
4175-00 [Complete Set]
Individual/Replacement Parts:
4175-01 [Stem Extractor 13.5 mm]
4175-W [Stem Extractor Wrench]
4175-03 [Replacement Bolts] Pair
3925 [Standard Slap Hammer] 3/8"-16 Thread Gauge

Whelan Extractor Strike Plate Attachment

A slap hammer alternate for extraction help

After attaching the unit to the extractor using the replaceable screw, the strike plate can be struck with the full force of a mallet to assist with component extraction.

PRODUCT NO'S:
3605-00 [Attachment Set]
Individual/Replacement Parts:
3605-01 [Strike Plate Unit Only]
Overall Length: 16" (40.6 cm)
Platform Size: 2" x 2" (5.1 cm x 5.1 cm)
3605-02 [Screws] Pair
4175-W [Wrench]

Set includes: Strike plate unit, (2) screws, and wrench.

For use with any device that accepts a 3/8"-16 gauge thread
For use with a 3/8" diameter slap hammer rod, including the Innomed #3925 & #3935 slap hammers on the following extraction instruments:

**Hip – Femoral Component**
- 3610 Universal Modular Hip Component Extractor – Standard
- 3610R Universal Modular Hip Component Extractor – Anterior
- 3611 Heck Anterior Modular Hip Component Extractor
- 4175-00 Whelan Hip Stem Extractor
- S1202 Femoral Extraction Instrument – Loop
- S1203 Femoral Extraction Instrument – J-Hook
- S1203 Femoral Extraction Instrument – One-Piece

**Hip – Acetabular Cup/Shell/Liner**
- 3638-00 Lombardi Hip Cup Liner/Shell Extractor
- 3665 Gorski Hip Cup Extraction Hook – 5.0 mm

**Knee**
- 3630 Tibial Knee Component Extractor
- 3920 Femoral Knee Component Extractor
- 3650 4 mm Tibia Tray Removal Hook
- 3655 8 mm Tibia Tray Removal Hook

**Shoulder**
- 3670 Nicholson Universal Humeral Prosthesis Extractor

**General**
- 3966 Large Bent Jaw OrthoVise

**Atlatl Super Slap Hammer**

Designed for when extra powerful slap hammer force is needed

Repositionable silicone grip handles are available for use with the long version of the Atlatl, and are removable for sterilization. Slap hammer rod is not included.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Product No</th>
<th>Description</th>
<th>Length</th>
<th>Handle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>3924-L-00</td>
<td>Long with Silicone Handles</td>
<td>Overall Length: 22” (55,8 cm)</td>
<td>Includes (2) 3924-RH Silicone Grip Handles. Slap hammer rod not included.</td>
</tr>
<tr>
<td>3924-L</td>
<td>Long without Handles</td>
<td>Overall Length: 22” (55,8 cm)</td>
<td>Slap hammer rod not included.</td>
</tr>
<tr>
<td>3924-S</td>
<td>Short</td>
<td>Overall Length: 16” (40,7 cm)</td>
<td>Slap hammer rod not included.</td>
</tr>
<tr>
<td>3924-RH</td>
<td>Silicone Grip Handle</td>
<td>Overall Length: 4” (10,2 cm)</td>
<td>(One handle only with this product number)</td>
</tr>
<tr>
<td>3925-A</td>
<td>16” Rod only</td>
<td>3/8”-16 Thread Gauge</td>
<td></td>
</tr>
</tbody>
</table>

**Standard and Easy Grip Slap Hammers**

For use with any device that accepts a 3/8”-16 gauge thread

The textured silicone of the Easy Grip slap hammer helps to reduce the shock forces on the surgeon’s hand during extraction procedures, and helps the surgeon to maintain a solid grip and prevent the hand from slipping.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Product No</th>
<th>Description</th>
<th>Length</th>
<th>Handle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>3925</td>
<td>Standard Slap Hammer with 16” Rod</td>
<td>3/8”-16 Thread Gauge</td>
<td></td>
</tr>
<tr>
<td>3935</td>
<td>Extra Large Slap Hammer with 16” Rod</td>
<td>3/8”-16 Thread Gauge</td>
<td></td>
</tr>
<tr>
<td>3926</td>
<td>Easy Grip Slap hammer with 16” Rod</td>
<td>3/8”-16 Thread Gauge</td>
<td></td>
</tr>
<tr>
<td>3925-HS</td>
<td>Easy Grip Slap hammer only</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3925-A</td>
<td>16” Rod only</td>
<td>3/8”-16 Thread Gauge</td>
<td></td>
</tr>
</tbody>
</table>
Anterior Femoral Punctes

Designed by Brandon Thompson, CST/CFA

Designed with a delrin pad to help protect the femoral stem trunion while removing the femoral head during anterior approach total hip revision arthroplasty.

- Three stem angles allow choice of optimal approach
- Angled punches allow for better striking force to help break the taper of the head and stem
- The delrin pad helps prevent scratching of the femoral stem trunion

**PRODUCT NO’S:**

- **8626-A [Angled Up]**
  - Overall Length: 8.75” (22.2 cm)
  - Up Angle: 40°

- **8626-L [Left]**
  - Overall Length: 9” (22.9 cm)
  - Left Angle: 40°

- **8626-R [Right]**
  - Overall Length: 9” (22.9 cm)
  - Right Angle: 40°

Femoral Head Disengaging Punch

Designed by Brandon Thompson, CST/CFA

Designed to help protect the femoral stem trunion while removing the femoral head.

The delrin pad helps prevent scratching of the femoral stem trunion. The punch angle allows for better striking force to help break the taper of the head and stem.

**PRODUCT NO:**

- **8626**
  - Overall Length: 9” (22.9 cm)
  - Shaft Diameter: .5” (12.7 mm)
  - Punch Platform Offset Angle: 30°
  - Punch Platform Delrin End: 10 mm x 20 mm

Offset Puncthes

Helps in the removal of hip stems

Used to help remove a hip prosthesis stem via a window in the shaft of the femur. Two sizes of offsets allow the punches to be used to tap on a distal portion of the hip stem, after a window has been made in the femur below the tip of the stem.

**PRODUCT NO’S:**

- **5125-01 [Small Offset]**
  - Overall Length: 11” (27.9 cm)
  - Punch End Offset: 13 mm
  - Punch End Diameter: 7 mm

- **5125-02 [Large Offset]**
  - Overall Length: 11” (27.9 cm)
  - Punch End Offset: 32 mm
  - Punch End Diameter: 7 mm
Whelan Flexible Chisel Guide  Designed by E. J. Whelan, III, MD

Designed to help stabilize a thin chisel blade until it’s within the bone prosthesis interface

Guide with sliding handle helps to stabilize a thin flexible chisel blade until it’s within the bone prosthesis interface. Chisel tip lets it hug the prosthesis to help prevent perforation. Slap hammer threads into the handle and is designed to facilitate blade removal. Easily changeable disposable blades help assure sharpness.

PRODUCT NO’S:
5301-00 [Complete Set]
Included In Set / Replacement Parts:
5301-01 [Guide Only]  Overall Length: 5.5” to 8.5” (12,7 cm to 22,2 cm) w/o blade
5301-02 [10 mm Chisel Blade Only]  Overall Length: 4.625” (11,7 cm)  Blade Thickness: .020” (0,51 mm)
3040 [Slap Hammer]
1015 [Sterilization Case]

Whelan Curved Chisel Guide  Designed by E. J. Whelan, III, MD

Designed to help stabilize a thin curved chisel blade until it’s within the bone prosthesis interface

Guide with sliding handle helps to stabilize a curved, thin flexible chisel blade until it’s within the bone prosthesis interface. Chisel tip lets it hug the prosthesis to help prevent perforation. Slap hammer threads into the handle and is designed to facilitate blade removal. Easily changeable disposable blades help assure sharpness.

PRODUCT NO’S:
5301-00 [Complete Set]
Included In Set / Replacement Parts:
5301-01 [Guide Only]  Overall Length: 5” to 8.75” (12,7 cm to 22,2 cm) w/o blade
5301-02 [10 mm Chisel Blade Only]  Overall Length: 4.25” (11,7 cm)  Blade Thickness: .020” (0,51 mm)
3040 [Slap Hammer]
1015 [Sterilization Case]

Kudrna Hip Stem Taper Protectors  Designed by James Kudrna, MD
Used to cover and protect the hip stem taper of a femoral component — especially helpful in cup revision surgery

PRODUCT NO’S:
1151 [11/13]
1152 [12/14]
1153 [14/16]
Non-modular blade system helps reduce both cost and surgical time, as blades don’t need to be changed interoperatively.

**Fixed Blades in Two Lengths**
Blade Diameters from 42mm-80mm
Can typically be used for multiple procedures, then replaced through our Blade Discount Program.

**Impaction Platform**
Strike with a mallet to help drive in the blade.

**Handle Styles**
Two handle styles to choose from—
- Wrench Drive
- Fixed

**Handle Placement**
Near the end of the shaft allows for better leverage and easier rotation.

**Shaft Alignment**
The shaft is aligned directly over the head, which helps prevent the head from riding out of the cup while keeping the instrument properly centered. With proper centering, the curvature of the blades will more closely match the hemispherically-shaped outer surface of the acetabular cup when rotating, thus minimizing bone loss and creating a relatively intact acetabular recess for fitting of a new cup.

**Benefits of Our Titanium Nitride Coated Blades**
- **Extends Blade Life** by increasing surface hardness
- **Prolongs Sharpness** with an ultra hard, heat resistant coating
- **More Wear Resistant** due to high lubricity of titanium nitride coating
- **Prevents Galling** won’t chip, peel, or flake
- **Reduces Friction** eliminates seizing in metal-on-metal contact
- **Chemical and Corrosion Resistant**
- **Non-toxic** medically approved and proven

Extended blade life leads to long term savings

System Designed by James Hudina, MD and Stephen Incavo, MD
Wrench Drive Handle Designed by Guido Grappiolo, MD
Delrin Heads Designed by Adolph Lombardi, MD
Within 5 days following the procedure.

Rental is for one additional charge applies if the used instruments for each instrument used (not heads). Also, an in addition to a rental fee, there is a charge.

**Rental Charges**

- 1 size (starter & finish), including 2 sets of heads
- 3 cases, including 2 sets of heads
- 5 starter and 5 finish instruments

**Rental Details**

Available on a single procedure basis.

**Optional Large Delrin Heads**

Designed to provide tight, secure surface contact when removing larger size acetabular cups, and can also be used if the cup liner of a standard size cup is worn and must be removed.

**Optional Wrench Drive Handles**

Works like a socket wrench, allowing improved torque without changing positions.

**Fully Customizable Sets**

Rent or purchase — configure with as few or as many options required.

**Instrument Discount Program**

For used CupX blade instruments we offer a Blade Discount Program. Please see our website or call for details.

**System Rental Available**

Available on a single procedure basis.

**Rental Details**

Rental is available in several configurations:

- 4 cases with all sizes, including 2 sets of heads
- 3 cases, including 2 sets of heads
- 2 cases, including 2 sets of heads
- 1 case, including 2 sets of heads
- 1 size (starter & finish), including 2 sets of heads

Each case includes 5 Starter and 5 Finish Instruments.

**Rental Charges**

In addition to a rental fee, there is a charge for each instrument used (not heads). Also, an additional charge applies if the used instruments are kept instead of returned. **Rental is for one surgical procedure only, and must be returned within 5 days following the procedure.**
**Modified Smith-Peterson Style Osteotomes for Acetabular Cup Removal**

Designed by Merrill Ritter, MD

*Multi-arch osteotomes help in removal of total hip cups*

For removal of total hip cups, the different curvatures help to fit next to a cups outer surface. The osteotomes have a handle for better control, plus a hammering platform end.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Blade Width</th>
<th>Overall Length</th>
<th>Handle Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>5280-02 [Medium]</td>
<td>20 mm x 35 mm</td>
<td>11.75&quot; (29.6 cm)</td>
<td>5&quot; (12.7 cm)</td>
</tr>
<tr>
<td>5280-03 [Long]</td>
<td>20 mm x 50 mm</td>
<td>12.25&quot; (31.1 cm)</td>
<td>5&quot; (12.7 cm)</td>
</tr>
</tbody>
</table>

**Modified Lambotte Cup Removal Osteotomes**

Designed with different hemisphere of curves to match cups of different sizes

Four osteotomes with different hemispherical radii allow the osteotomes to fit next to the outer surface of different size acetabular hip cups. The osteotomes have a handle for better control and a hammering platform.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Blade Width</th>
<th>Overall Length</th>
<th>Handle Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>5240-44</td>
<td>44 mm</td>
<td>12.75&quot; (32.4 cm)</td>
<td>4.75&quot; (12.1 cm)</td>
</tr>
<tr>
<td>5240-48</td>
<td>48 mm</td>
<td>12.75&quot; (32.4 cm)</td>
<td>4.75&quot; (12.1 cm)</td>
</tr>
<tr>
<td>5240-52</td>
<td>52 mm</td>
<td>12.75&quot; (32.4 cm)</td>
<td>4.75&quot; (12.1 cm)</td>
</tr>
<tr>
<td>5240-56</td>
<td>56 mm</td>
<td>12.75&quot; (32.4 cm)</td>
<td>4.75&quot; (12.1 cm)</td>
</tr>
</tbody>
</table>

**Poly Cup Liner Removal Drill**

Designed by Keith R. Berend, MD

*Threaded, aggressive, drill tipped tool designed to facilitate removal of an acetabular liner*

When the flat-ended drill end reaches the metal of the acetabular cup, continue drilling and the liner will become engaged in the drill flutes and back off for removal.

**PRODUCT NO:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Overall Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>4052</td>
<td>6&quot; (15.2 cm)</td>
</tr>
</tbody>
</table>
Gorski Hip Cup Extraction Hook
Designed by Jerrold Gorski, MD
Helps in the removal of a hip cup

```
PRODUCT NO'S:
Hook for 5.0 mm Screw Holes
3665 [Hook w/Standard Slap Hammer]
3665-01 [Hook w/o Slap Hammer]
Optional:
3935 [XL Slap Hammer] 3/8"-16 Thread Gauge
See page 5 for alternative slap hammers.
```

Designed to quickly fit into a screw hole of a hip cup after the screws have been removed and the cup loosened. The slap hammer helps to remove the cup in the angle it was inserted.

Gorski Hip Cup Extraction Hook

**PRODUCT NO’S:**
- Hook for 5.0 mm Screw Holes
  - 3665 [Hook w/Standard Slap Hammer]
  - 3665-01 [Hook w/o Slap Hammer]
- Optional:
  - 3935 [XL Slap Hammer] 3/8"-16 Thread Gauge
See page 5 for alternative slap hammers.

Lombardi Hip Cup Liner/Shell Extractor
Designed by Adolph V. Lombardi, MD
Expandable flanges are designed to bite into the polyethylene of a total hip cup
- When the flanges have been expanded, a slap hammer is screwed into the extractor for removal
- Can also be used for removal of a metal hip cup shell if the shell has a groove around the rim for the flanges to lock into
- Also helpful for cemented cup extraction
- Set includes standard slap hammer #3925.

**PRODUCT NO’S:**
- 3638-00 [Set]
- Also Available Individually:
  - 3638-01 [Remover Only]
  - 3925 [Standard Slap Hammer] 3/8"-16 Thread Gauge

See page 5 for alternative slap hammers.

Star Metal Cup Liner Removal Impactor
Designed by Andrew M. Star, MD
Low profile design can be used through a limited incision. Vibration from tapping the edge of the shell helps cause the liner to become disengaged for removal.

**PRODUCT NO:**
- 5014

Overall Length: 8" (20.3 cm)

Designed to help disengage the rim of a metal cup for removal.

Lombardi Hip Cup Liner/Shell Extractor
Used for removal of a total hip cup or liner

- Expandable flanges are designed to bite into the polyethylene of a total hip cup
- When the flanges have been expanded, a slap hammer is screwed into the extractor for removal
- Can also be used for removal of a metal hip cup shell if the shell has a groove around the rim for the flanges to lock into
- Also helpful for cemented cup extraction
- Set includes standard slap hammer #3925.
Flexible Osteotome System

Provides an assortment of osteotome blades for various orthopedic surgery procedures

PRODUCT NO'S:

S0011-00  [Set with Quick-Coupling Handle and Case]
S0012-00  [Set with Locking Nut Handle and Case]

Individual Instruments Included in Sets:

S1002  [Thin Osteotome Blade] 2.5" (6.3 cm) x 8 mm
S1003  [Thin Osteotome Blade] 2.5" (6.3 cm) x 10 mm
S1004  [Thin Osteotome Blade] 2.5" (6.3 cm) x 12 mm
S1005  [Thin Osteotome Blade] 2.5" (6.3 cm) x 20 mm
S1006  [Curved Thin Osteotome Blade] 2.5" (6.3 cm) x 12 mm
S1007  [Curved Thin Osteotome Blade] 5" (12.7 cm) x 20 mm
S1008  [Thin Osteotome Blade] 5" (12.7 cm) x 10 mm
S1009  [Thin Osteotome Blade] 5" (12.7 cm) x 8 mm
S1020  [Handle with Quick-Coupling End] 5" (12.7 cm)
S1021  [Handle with Locking Nut] 5" (12.7 cm)
S1120  [Radial Osteotome] 5" (12.7 cm) x 12 mm
S1121  [Radial Osteotome] 5" (12.7 cm) x 14 mm
S1122  [Radial Osteotome] 5" (12.7 cm) x 16 mm
S2007  [Slap Hammer] 12" (30.5 cm)
9018  [Case]

- Sharp, flexible blades are well suited for loosening implants from cement or bony ingrowth fixation
- Various blade widths and profiles allow great flexibility to follow the implant contours
- Modular handle is made of high impact surgical stainless steel and has a quick-coupling positive locking mechanism for ease of use and quick blade changes
- Slap hammer threads into the handle and is designed to facilitate blade removal

Optional Strike Plate can be attached to the Handle for direct striking with a mallet
Optional Curved Chisel Blades are designed to help loosen the cement/prosthesis interval in TKA tibial tray and femoral component revisions. The curved design is useful in working around pegs & fins to get posterior cement access. Also helpful with removal of other implants, i.e. shoulder, ankle, etc.

Optional Parts and Blades

PRODUCT NO'S:

S1020-SP  [Strike Plate for Handle] Diameter 1.625" (4.1 cm)

Optional Blades (Not Included In Complete Set)

S1123  [Extra Long Osteotome Blade] 7.5" (19.1 cm) x 8 mm
S1135  [Radial Osteo. Medial Curve] 6.75" (17.1 cm) x 11 mm
S1136  [Radial Osteo. Lateral Curve] 6.75" (17.1 cm) x 11 mm
S1137  [Radial Osteo. Medial Curve] 5" (12.7 cm) x 11 mm
S1138  [Radial Osteo. Lateral Curve] 5" (12.7 cm) x 11 mm
S1222  [Chisel Blade] 2.5" (6.4 cm) x 8 mm
S1223  [Chisel Blade] 2.5" (6.4 cm) x 10 mm
S1224  [Chisel Blade] 2.5" (6.4 cm) x 12 mm
S1225  [Chisel Blade] 2.5" (6.4 cm) x 20 mm
S1228  [Chisel Blade] 5" (12.7 cm) x 10 mm
S1229  [Chisel Blade] 5" (12.7 cm) x 20 mm
S1230  [Chisel Blade] 5" (12.7 cm) x 12 mm
S1231  [Chisel Blade] 5" (12.7 cm) x 14 mm
S1232  [Extra Long Chisel Blade] 7.5" (19.1 cm) x 8 mm
S1233-L  [Flexible Left Curved Chisel] 2" (5.1 cm) x 8 mm
S1233-R  [Flexible Right Curved Chisel] 2" (5.1 cm) x 8 mm

Medial and Lateral Curve Radial Blades designed by Henry Beacher, MD
Curved Chisel Blades designed by William McMaster, MD

WWW.INNOMED.NET  ▲  FREE TRIAL ON MOST INSTRUMENTS
### Mueller-Type Cement Removal Instruments

**Used for cement removal in the hip, knee, and shoulder**

**PRODUCT NO’s:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>shaft length</th>
<th>Ø</th>
</tr>
</thead>
<tbody>
<tr>
<td>S7500-00</td>
<td>Complete Set with Case</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S7505</td>
<td>Narrow Cement Removal Gouge, Short</td>
<td>15 cm</td>
<td>9 mm, negative</td>
</tr>
<tr>
<td>S7507</td>
<td>Narrow Cement Removal Gouge, Long</td>
<td>24 cm</td>
<td>9 mm, negative</td>
</tr>
<tr>
<td>S7510</td>
<td>Narrow Offset Cement Removal Gouge</td>
<td>24 cm</td>
<td>9 mm, negative</td>
</tr>
<tr>
<td>S7515</td>
<td>Acetabular Chisel</td>
<td>24 cm</td>
<td>7.5 mm</td>
</tr>
<tr>
<td>S7520</td>
<td>Offset Chisel</td>
<td>15 cm</td>
<td>9 mm</td>
</tr>
<tr>
<td>S7525</td>
<td>Flared Angle Gouge</td>
<td>24 cm</td>
<td>9 mm, positive, angle 15° down</td>
</tr>
<tr>
<td>S7530</td>
<td>Wide Gouge</td>
<td>24 cm</td>
<td>11.5 mm, negative</td>
</tr>
<tr>
<td>S7535</td>
<td>‘V’ Splitter</td>
<td></td>
<td>7 mm</td>
</tr>
<tr>
<td>S7540</td>
<td>4.4 mm Drill</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S7545</td>
<td>4.4 mm Drill Guide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S7550</td>
<td>6.4 mm Drill</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S7555</td>
<td>6.4 mm Drill Guide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S7560</td>
<td>Straight Cement Removal Hook</td>
<td>Hook Curette</td>
<td>10 mm</td>
</tr>
<tr>
<td>S7565</td>
<td>Curved Cement Removal Hook</td>
<td>Hook Curette</td>
<td>10 mm</td>
</tr>
<tr>
<td>S7570</td>
<td>Cross Bar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S7575</td>
<td>7 mm T-Handle Conical Tap</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S7580</td>
<td>9 mm T-Handle Conical Tap</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S7585</td>
<td>Slotted Mallet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9075</td>
<td>Case Only</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Individual Instruments:**

- Narrow Cement Removal Gouge, Short
- Narrow Cement Removal Gouge, Long
- Acetabular Chisel
- Offset Chisel
- Flared Angle Chisel
- Wide Gouge
- ‘V’ Splitter
- Saddle Punch
- Cement Splitting Osteotome
- Cement Removal Osteotome, Short
- Cement Removal Osteotome, Long
- 4.4 mm Drill & Drill Guide
- 6.4 mm Drill & Drill Guide
- Straight Cement Removal Hook
- Curved Cement Removal Hook
- Cross Bar
- 7 mm T-Handle Conical Tap
- 9 mm T-Handle Conical Tap
- Slotted Mallet

**Drill & Grill Guide**

<table>
<thead>
<tr>
<th>Drill &amp; Grill Guide</th>
<th>Conical Tap &amp; Mallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conical Tap</td>
<td>Slotted Mallet</td>
</tr>
</tbody>
</table>
Universal Screw Removal Instrument System

Designed to help remove a variety of screws—solid and cannulated: stripped hex screws, buried screws, partial screws with broken screw heads

Screw Extractors
Unique thread design accommodates removal of stripped screws. The instrument "locks" into the screw head and allows removal once engaged. Designed to be used in a counter-clockwise direction.

Hex Drivers
Solid shaft in all standard hex sizes.

Cannulated Hex Drivers
Four sizes with a cannulated shaft for easier removal of buried screws.

Screw Extractors
Unique thread design accommodates removal of stripped screws. The instrument "locks" into the screw head and allows removal once engaged. Designed to be used in a counter-clockwise direction.

Trephines
Designed to fit over submerged screws for extraction with minimal bone loss. Extraction is enhanced by the unique tooth design. Designed to be used in a counter-clockwise direction.

Screwdrivers
Standard cruciform screwdrivers in large, small, and mini, and single slot.

Cannulated Drive Extension
Used when a longer instrument shaft is desired.

Universal Extractor
Designed to remove screws with heads partially or completely missing. The cone shaped head fully engages the remaining screw and optimizes the force needed for removal. The bolt is disposable and locks into place using a unique thread design. Designed to be used in a counter-clockwise direction.

Extractor Wrench
The single handle allows the surgeon to decide which direction is most efficient and comfortable. The quick-connect release mechanism allows for quick interoperative exchange.

Pick
Used to remove fragments and bone or tissue from screw head.

Screw/Pin Removal Locking Pliers
Unique jaw designed to solidly grip and clamp onto screw for removal

The drive end (A/O) is designed for easy and quick engagement with the universal instrument handle.

PRODUCT NO'S:

<table>
<thead>
<tr>
<th>PRODUCT NO</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>S0010-00</td>
<td>Complete System with Case</td>
</tr>
<tr>
<td>S0113</td>
<td>Universal 4&quot; (10,2 cm) Handle</td>
</tr>
<tr>
<td>S0128</td>
<td>1.5 mm Screw Extractor</td>
</tr>
<tr>
<td>S0116</td>
<td>2.5 mm Screw Extractor</td>
</tr>
<tr>
<td>S0130</td>
<td>3.5 mm Screw Extractor</td>
</tr>
<tr>
<td>S0117</td>
<td>1.5 mm Hex Driver</td>
</tr>
<tr>
<td>S0114</td>
<td>2.5 mm Hex Driver</td>
</tr>
<tr>
<td>S0115</td>
<td>3.5 mm Hex Driver</td>
</tr>
<tr>
<td>S0132</td>
<td>4.0 mm Hex Driver</td>
</tr>
<tr>
<td>S0133</td>
<td>5.0 mm Hex Driver</td>
</tr>
<tr>
<td>S0136</td>
<td>2.5 mm Cannulated Hex Driver</td>
</tr>
<tr>
<td>S0137</td>
<td>3.5 mm Cannulated Hex Driver</td>
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<tr>
<td>S0138</td>
<td>4.0 mm Cannulated Hex Driver</td>
</tr>
<tr>
<td>S0139</td>
<td>5.0 mm Cannulated Hex Driver</td>
</tr>
<tr>
<td>S0118</td>
<td>Large Cruciform Screwdriver</td>
</tr>
<tr>
<td>S0119</td>
<td>Small Cruciform Screwdriver</td>
</tr>
<tr>
<td>S0141</td>
<td>Mini Cruciform Screwdriver</td>
</tr>
<tr>
<td>S0120</td>
<td>Single Slot Screwdriver</td>
</tr>
<tr>
<td>S0121</td>
<td>2.2 mm Trephine</td>
</tr>
<tr>
<td>S0122</td>
<td>3.2 mm Trephine</td>
</tr>
<tr>
<td>S0123</td>
<td>4.2 mm Trephine</td>
</tr>
<tr>
<td>S0124</td>
<td>4.7 mm Trephine</td>
</tr>
<tr>
<td>S0125</td>
<td>7.2 mm Trephine</td>
</tr>
<tr>
<td>S0127</td>
<td>Universal Extractor – Shaft Only</td>
</tr>
<tr>
<td>S0127-01</td>
<td>Large Extraction Bolt Body</td>
</tr>
<tr>
<td>S0127-03</td>
<td>Small Extraction Bolt Body</td>
</tr>
<tr>
<td>S0127-04</td>
<td>[Extractor Wrench]</td>
</tr>
<tr>
<td>S0129</td>
<td>[Pick]</td>
</tr>
<tr>
<td>S0140</td>
<td>Cannulated Drive Extension</td>
</tr>
<tr>
<td>9017</td>
<td>Screw Removal Case Only</td>
</tr>
<tr>
<td>Case Dimensions: 21&quot; x 9.5&quot; x 2.25 (53,4 x 24,1 x 5,7 cm)</td>
<td></td>
</tr>
</tbody>
</table>

Screw Removal Locking Pliers
Unique jaw designed to solidly grip and clamp onto screw for removal

9017 [Screw Removal Case Only]

Case Dimensions: 21" x 9.5" x 2.25 (53,4 x 24,1 x 5,7 cm)
**Screw Removal Pliers**

Jaw designed to grasp onto a screw or screw head to help in removal

**PRODUCT NO:**

2020

Overall Length: 8 (20.3 cm)

---

**Delrin Insert Pliers**

Designed to grasp an implant for adjustment without marring the implant surface

**PRODUCT NO’S:**

2025

Overall Length: 8 (20.3 cm)

2025-03 [Replacement Insert]

Includes top and bottom Delrin jaws, two screws and a hex wrench

---

**Cheng Screw Removal and Bone Trephine Set**

Designed by Edward Cheng, MD

Six trephine sizes with reverse thread teeth designed to help with removal of screws with minimal bone loss, as well as gathering of core bone samples for biopsy or core decompression

Can be used with the T-handle or with power.

**PRODUCT NO’S:**

1426-00 [Complete Set with Case]

Set Includes/Available Separately:

1426-01 [5 mm Internal Diameter]

Overall Length: 7.125" (18.1 cm)

1426-02 [6.5 mm Internal Diameter]

Overall Length: 7.125" (18.1 cm)

1426-03 [8 mm Internal Diameter]

Overall Length: 7.125" (18.1 cm)

1426-05 [9 mm Internal Diameter]

Overall Length: 7.125" (18.1 cm)

1426-06 [10 mm Internal Diameter]

Overall Length: 7.125" (18.1 cm)

1426-07 [11 mm Internal Diameter]

Overall Length: 7.125" (18.1 cm)

1426-04 [Handle Assembly]

Dimensions: 4" x 2" (10.2 cm x 5.1 cm)

1025 [Sterilization Case]

Replacement Part:

1425-14-B-COMP [Handle Retaining Screw]

---

**Screw Removal**

The trephine ends are designed to fit over embedded screws for extraction with minimal bone loss. Six sizes available — internal diameters of 5 mm, 6.5 mm, 8 mm, 9 mm, 10 mm, and 11 mm. The T-handle allows for precise, controlled use.

**For Core Bone Sampling**

Cannulated T-handle and trephines allow use of a standard 1.6 mm (.062") threaded K-wire to help facilitate grasping and removal of a core bone sample for biopsy or core decompression. Variety of core diameters yields bone samples of sufficient size for pathology. K-wire not included.

---

**Larger Trephine Sizes Available!**

Can be used with the T-handle or with power.

---

**K-wire not included.**

---

**New!**

LARGER TREPHINE SIZES AVAILABLE!
OrthoVise™
Made of stainless steel and designed with the option of using a slap hammer for greater adaptability.

On models equipped with attachment bolts, a slap hammer can be attached to the end of the OrthoVise®, as well as to either side of the large OrthoVise® (except the bent jaw model).

A different size slap hammer is used for the large and small sizes of OrthoVise®, and all slap hammers are designed with a hammer plate if the additional use of a mallet is desired.

Long Nose

Large - 12" (30.5 cm)
Large Bent Jaw
Small - 9.5" (24.1 cm)

Threaded Adapters

3980-02 [Small Adapter] Changes Male End of a Slap Hammer to Female
3980-03 [Threaded Adapting Screw – Large] For use with: 3965’s, 3966’s, 3985’s, 3986’s, 3980’s, 3981’s
3985-03 [Threaded Adapting Screw – Small] For use with: 3975’s, 3985’s

Slap Hammers

3950 [Slap Hammer for Large OrthoVise] For use with: 3965’s, 3985’s
3955 [Slap Hammer for Small OrthoVise] For use with: 3975’s, 3985’s
3925 [Standard Slap Hammer] For use with: 3966’s

U.S. Patent #D398,208

Innomed, Inc.
8887 Westlake Drive
Brea, CA 92821 USA

Phone: (800) 592-0920
Fax: (800) 962-9182

www.innomed.net

Made Exclusively For Innomed in Germany

OrthoVise™
Made of stainless steel and designed with the option of using a slap hammer for greater adaptability.

On models equipped with attachment bolts, a slap hammer can be attached to the end of the OrthoVise®, as well as to either side of the large OrthoVise® (except the bent jaw model).

A different size slap hammer is used for the large and small sizes of OrthoVise®, and all slap hammers are designed with a hammer plate if the additional use of a mallet is desired.

Long Nose

Large - 12" (30.5 cm)
Large Bent Jaw
Small - 9.5" (24.1 cm)
**Star Bit Driver Set**

*Helps eliminate the opening of multiple sterile packs when a specific size of star bit is needed*

**PRODUCT NO'S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5194-00</td>
<td>4 Star Bits w/Handle &amp; Case</td>
</tr>
<tr>
<td>5194-01</td>
<td>4 Star Bits w/Case only</td>
</tr>
<tr>
<td>S0113</td>
<td>[Universal 4” (10.2 cm) Handle]</td>
</tr>
<tr>
<td>5194-10</td>
<td>T10 with A/O End</td>
</tr>
<tr>
<td>5194-15</td>
<td>T15 with A/O End</td>
</tr>
<tr>
<td>5194-20</td>
<td>T20 with A/O End</td>
</tr>
<tr>
<td>5194-25</td>
<td>T25 with A/O End</td>
</tr>
<tr>
<td>9003</td>
<td>[Case]</td>
</tr>
</tbody>
</table>

**Also sold individually:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5191</td>
<td>[4 Star Bits]</td>
</tr>
</tbody>
</table>

**Universal Screwdriver Set**

*Helps eliminate the opening of multiple sterile packs when a specific size or style of screwdriver is needed*

Helpful during revision total joint surgery where screws have been used, removal of bone plates, fracture fixation screws or bone graft screws.

**PRODUCT NO'S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5195</td>
<td>Complete Set with Case</td>
</tr>
<tr>
<td>5195-01</td>
<td>Handle</td>
</tr>
<tr>
<td>5195-02</td>
<td>[Straight (single slot)]</td>
</tr>
<tr>
<td>5195-03</td>
<td>[Cross/Cruciate]</td>
</tr>
<tr>
<td>5195-04</td>
<td>[Hex]</td>
</tr>
<tr>
<td>5195-05</td>
<td>[Phillips]</td>
</tr>
<tr>
<td>5195-06</td>
<td>[Small Star: #6 &amp; #8]</td>
</tr>
<tr>
<td>5195-07</td>
<td>[Medium Star: #10 &amp; #15]</td>
</tr>
<tr>
<td>5195-08</td>
<td>[Large Star: #20 &amp; #25]</td>
</tr>
</tbody>
</table>

**Torx/Hex Adapter Set**

*Designed for conversion of a 3.5 mm screwdriver*

Especially helpful when an articulated, universal joint driver is needed (i.e. acetabular screws)

**PRODUCT NO'S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8003-00</td>
<td>[Set – One Each]</td>
</tr>
<tr>
<td>8003-01</td>
<td>[Torx Bit to Hex Driver Adapter]</td>
</tr>
<tr>
<td>8003-02</td>
<td>[Hex Bit to Torx Driver Adapter]</td>
</tr>
</tbody>
</table>

**Designed by Stephen M. Walsh, MD**

**New!**

1.800.548.2362 ▲ MAY 2020 ▲ HIP & KNEE REVISION/EXTRACTION INSTRUMENTS
Stabilizing The Component
The delrin stabilizing insert is tightened against the femoral component by rotating the thumbwheel.

Attaching Jaw To Component
The jaws are tightened against the femoral component with the socket wrench or tightening wheel.

Attaching Slap Hammer Assembly
The slap hammer assembly is threaded into the extractor body.

Using Slap Hammer Assembly
To Remove Component
The slap hammer is also designed with a hammer flare for optional use with a mallet.

Femoral Component Extractor
Universal extraction instrument for total knee revision surgery
A standard set of jaws is used for slotted and unslotted femoral components. Features a round tightening wheel which allows the surgeon to easily tighten the jaws without using a separate socket wrench. The tightening wheel can be easily removed for replacing the jaws. The copolymer prosthesis stabilizing block allows access to the block tightening wheel. Includes standard slap hammer, #3925.

Clamps onto femoral knee component for extraction

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3920 [Extractor with Standard Slap Hammer #3925]</td>
</tr>
</tbody>
</table>

Optional/Individual/Replacement Parts:

| 3920-SJ [Pair of Standard Jaws] |
| 3925 [Standard Slap Hammer] Thread Gauge: 3/8"-16 |
| 3935 [Extra Large Slap Hammer] Thread Gauge: 3/8"-16 |
| 3926 [Easy Grip Slap hammer with 16" Rod] |

See page 5 for alternative slap hammers.
**Boytont Punch**

Helpful in removing trial, femoral and revision total knee components

- **Product No's:**
  - 5120-01 [Standard]
    - Overall Length: 11.75" (29.8 cm)
    - Shaft Diameter: 9.5 mm
    - Punch End Offset: 60 mm
  - 5120-02 [Offset]
    - Overall Length: 11.75" (29.8 cm)
    - Shaft Diameter: 9.5 mm

The flange end fits onto the flange of a femoral knee component or trial.

---

**Lachiewicz Total Knee Revision Set**

Used for total knee revision

- **Product No's:**
  - 3700-00 [Complete Set]
  - Individual Instruments:
    - 3700-01 [Offset Edge Cutting Cement Chisel, Short]
      - Chisel Width: 10 mm
    - 3700-02 [Offset Edge Cutting Cement Chisel, Long]
      - Chisel Width: 15 mm
    - 3700-03 [Offset Femoral Component Dis-impactor]
    - 3700-04 [8 mm Cement Prosthesis Osteotome]
      - Osteotome Width: 8 mm
    - 3700-05 [10 mm Cement Prosthesis Osteotome]
      - Osteotome Width: 10 mm
    - 3700-06 [13 mm Cement Prosthesis Osteotome]
      - Osteotome Width: 13 mm
    - 3700-07 [20 mm Cement Prosthesis Osteotome]
      - Osteotome Width: 20 mm
    - 3700-08 [V-shaped Cement Splitter]
    - 3700-09 [One-sided Cement Splitter]
    - 3700-10 [8 mm Cement Hook]
      - Hook Blade Width: 8 mm
    - 3700-11 [Cement Punch]
    - 3700-12 [Removal Cross Bar]
    - 3700-CASE [Case]

---

**USA MADE**
Foster Cement Osteotome
Designed by Scott A. Foster, MD

Designed to help remove UKA/TKA component
Features a large handle and striking platform.

**PRODUCT NO:**

5232
Osteotome Width: 6.7 mm
Overall Length: 8.5" (21.6 cm)
Handle Length: 5.75" (14.6 cm)

**Mini-lexer Osteotomes**

Helpful with osteophyte and cement removal
Small, thin osteotomes helpful with osteophyte and cement removal. Larger handle helps with better control.

**PRODUCT NO’S:**

5270-01
Blade Width: 4 mm
Overall Length: 7.25" (18.4 cm)
Handle Length: 4" (10.2 cm)

5270-02
Blade Width: 6 mm
Overall Length: 7.25" (18.4 cm)
Handle Length: 4" (10.2 cm)

5270-03
Blade Width: 10 mm
Overall Length: 7.25" (18.4 cm)
Handle Length: 4" (10.2 cm)

5270-04
Blade Width: 12 mm
Overall Length: 7.25" (18.4 cm)
Handle Length: 4" (10.2 cm)

**Eickmann Knee Revision Set**
Designed by Thomas Eickmann, MD

Used for total knee revision

**PRODUCT NO’S:**

5470-00 [Complete Set]

5470-08 [8 mm Chisel]
Osteotome Width: 8 mm
Blade Length: 2.375" (6 cm)
Overall Length: 7.375" (18.7 cm)

5470-11 [11 mm Chisel]
Osteotome Width: 11 mm
Blade Length: 2.375" (6 cm)
Overall Length: 7.375" (18.7 cm)

5470-20 [20 mm Chisel]
Osteotome Width: 20 mm
Blade Length: 2.375" (6 cm)
Overall Length: 7.375" (18.7 cm)

5472-08 [8 mm Offset Cement Removal Chisel]
Osteotome Dimensions: 8 mm Wide x 12 mm Long
Blade Length: 2.375" (6 cm)
Overall Length: 7.375" (18.7 cm)

5474-06 [6 mm Notched Cement Removal Chisel]
Osteotome Width: 6 mm
Blade Length: 2.625" (6 cm)
Overall Length: 7.375" (18.7 cm)

5475-08 [8 mm Implant Remover]
Diameter: 8 mm
Blade Length: 2.625" (6 cm)
Overall Length: 7.375" (18.7 cm)

5470-CASE [Case Only]
Curved Cement Osteotome

Helps remove cement around the back of the tibia base, and useful in the femoral notch during removal of a knee femoral component

Designed to be inserted around the back of the tibia base to remove cement. The curve is congruent with most tibia bases. During revision knee surgery, can be used to help separate the prosthesis/bone or prosthesis/cement interface. The curve of the osteotome allows it to be used in the femoral notch of a femoral component. The osteotome is nitrate coated to help protect the implant surface.

| PRODUCT NO: | Overall Length: 6.75” (17.1 cm) | Handle Length: 3” (7.6 cm) | Blade Width: 6.8 mm |

Lawrence Revision Knee Gap Balancing Tensioner Set

Designed to help tense the medial and lateral ligaments during total knee surgery, and can help prevent impingement of a 4-in-1 block

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th>Overall Length: 9.25” (23.5 cm)</th>
<th>Pad Diameter: 1” (2.5 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1896-01</td>
<td>[Set – Left &amp; Right]</td>
<td></td>
</tr>
<tr>
<td>1896-01L</td>
<td>[Left] Overall Length: 9.25” (23.5 cm) Pad Diameter: 1” (2.5 cm)</td>
<td></td>
</tr>
<tr>
<td>1896-01R</td>
<td>[Right] Overall Length: 9.25” (23.5 cm) Pad Diameter: 1” (2.5 cm)</td>
<td></td>
</tr>
</tbody>
</table>

Tibia Tray Removal Hooks

Designed to be used with a slap hammer to remove a tibia tray during revision knee surgery

| PRODUCT NO’S: | Overall Length: 6.75” (17.1 cm) | Handle Length: 3” (7.6 cm) | Blade Width: 6.8 mm |
|---------------|-----------------|------------------|
| 3650          | 4 mm Gorski Hook w/Standard Slap Hammer #3925 |
| 3650-01       | 4 mm Gorski Hook Only |
| 3655          | 8 mm Brown Gorski Hook w/Standard Slap Hammer #3925 |
| 3655-01       | 8 mm Brown Gorski Hook Only |
| Optional Items: | Thread Gauge: 3/8"-16 |
| 3935          | [Extra Large Slap Hammer Only] |
| 3926          | [Easy Grip Slap hammer with 16” Rod] |
Adjusting Blades To Fit Component
The straight or angled blades are adjusted by loosening the attached screws and sliding the blades into the desired position.

Driving Blades Under Component
The blades are driven under the tibial base.

Tightening Threaded Rod Onto Component
The site hole for the pointed, threaded rod can be aligned with the proximal surface of the tibial component by using the included hex wrench system. The pointed, threaded rod is tightened onto either a polyethylene or metal tibial component.

Clamps onto a tibial knee component for extraction

Tibial Component Extractor
Universal extraction instrument for total knee revision surgery

Designed to lock onto a tibial component and extract in line with the stem or pegs. Two adjustable osteotomes are inserted on the underside of the component. A locking screw clamps on to the top of the extractor to secure the component. Includes standard slap hammer, #3925.

See page 5 for alternative slap hammers.
Incavo Tibial Component Revision Osteotomes
Designed by Stephen J. Incavo, MD

Designed to help break the posterior cement-bone interface when removing a cemented tibial TKA component.

Also used to help break the posterior implant-bone interface when removing a cementless tibial TKA component.

**PRODUCT NO'S:**
- 3621-00 [Complete Set]
  - Set includes:
    - 3621-01 [Standard]
      - Blade Length: 10 mm
      - Blade Width: 1/2" (1.3 cm)
      - Blade Offset: 3/4" (1.9 cm)
      - Overall Length: 8.5" (21.6 cm)
    - 3621-02 [Medium]
      - Blade Length: 14 mm
      - Blade Width: 1/2" (1.3 cm)
      - Blade Offset: 3/4" (1.9 cm)
      - Overall Length: 8.5" (21.6 cm)
    - 3621-03 [Deep]
      - Blade Length: 18 mm
      - Blade Width: (1.3 cm)
      - Blade Offset: 3/4" (1.9 cm)
      - Overall Length: 8.5" (21.6 cm)
    - 3040 [Slap Hammer]
    - 1015 [Sterilization Case]

Whang Tibial Osteotome
Designed by William Whang, MD

Designed to disrupt the interface of a well fixed tibial base, specifically the lateral portion.

**PRODUCT NO:**
5338
- Overall Length: 8" (20.3 cm)
- Handle Length: 4.5" (11.4 cm)
- Blade Thickness: 2.5 mm

Flexible Curved Chisel Blades for Flexible Osteotome System
Curved Chisel Blades designed by William McMaster, MD

An optional part of the Flexible Osteotome System designed to help remove a tibial knee component.

Handle and other components sold separately. See page 12 for system information.

**PRODUCT NO'S:**
- S1233-L [Flexible Left Curved Chisel] 2" (5.1 cm) x 8 mm
- S1233-R [Flexible Right Curved Chisel] 2" (5.1 cm) x 8 mm
Comfortable grip helps prevent the surgeon’s gloved hand from slipping and helps maintain a solid grip.

**Soft Impact Mallets with Easy Grip Handles**

Weidman handle designed by Kevin Weidman, MD

Provides shock-absorbing force

Filled with a shock-absorbing media and has a flat striking surface to keep the mallet centered on an instrument while providing less bounce or wasted force.

The comfortable Easy Grip handle is made of a textured silicone that helps prevent the surgeon’s gloved hand from slipping and helps maintain a solid grip. The bottom can also be used to tap an implant in place.

The mallet with delrin head features a replaceable delrin head.

**Easy Grip Textured Soft Silicone Handles**

- Comfortable grip helps prevent the surgeon’s gloved hand from slipping and helps maintain a solid grip.
- .5" Stud
- .875" Stud
- Replacement Delrin Heads

**Product No’s:**

<table>
<thead>
<tr>
<th>Product No</th>
<th>Weight</th>
<th>Overall Length</th>
<th>Handle Length</th>
<th>Head Width</th>
<th>Head Diameter</th>
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<tbody>
<tr>
<td>7820</td>
<td>2 lbs. (907 g)</td>
<td>10.5&quot; (26.7 cm)</td>
<td>5&quot; (12.7 cm)</td>
<td>3.5&quot; (8.9 cm)</td>
<td>1.375&quot; (3.5 cm)</td>
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<td>7821</td>
<td>2 lbs. (907 g)</td>
<td>10.625&quot; (27 cm)</td>
<td>5.5&quot; (14 cm)</td>
<td>3.5&quot; (8.9 cm)</td>
<td>1.375&quot; (3.5 cm)</td>
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<tr>
<td>7832</td>
<td>2 lbs. (907 g)</td>
<td>10.5&quot; (26.7 cm)</td>
<td>5&quot; (12.7 cm)</td>
<td>3.5&quot; (8.9 cm)</td>
<td>1.375&quot; (3.5 cm)</td>
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<tr>
<td>7837</td>
<td>3 lbs. (1350 g)</td>
<td>11&quot; (27.9 cm)</td>
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<td>3.5&quot; (8.9 cm)</td>
<td>1.875&quot; (4.8 cm)</td>
</tr>
</tbody>
</table>

**Delrin Head Replacements for 7832:**

- 7832-HEAD01 (.5" Stud) Single
- 7832-HEAD02 (.5" Stud) 3-Pack
- 7832-HEAD03 (.875" Stud) Single
- 7832-HEAD04 (.875" Stud) 3-Pack

**TOLL FREE 1.800.548.2362**

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