Light Wands
Page 5

Modified Rongeur with Pistol Grip Handle
Page 24

Bhargava DAA Femoral Stem Impactor
Page 25

Hip Instruments

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What’s New In This Catalog?

a snapshot of all the New! instruments within

Measurements in this Catalog

All effort has been made to ensure the accuracy of the measurements listed in this catalog, however, some small differences may exist between actual and listed measurements.

Measurements of **overall length** are the linear distance from one end of the product to the furthest opposite end, as shown in these examples:

Measurements of **blade width** are the linear distance from one side of the product to the opposite side, typically at the widest point, as shown in this example:

- Bhargava DAA Femoral Stem Impactor
  Page 25

- Bone Clamp with Speed Lock
  Page 16

- Cheng Screw Removal and Bone Trephine Set – Three Larger Trephine Sizes
  Page 9

- Double Ended Grater Cleaning Tool
  Page 7

- Durham Curved Osteotome
  Page 17

- Extension Set for Anterior THR Tables
  Back Cover

- LED Disposable Light Source and Reusable Light Wand Kit
  Page 3

- Light Wands
  Page 3

- Fracture Reduction Punch Clamp
  Page 57

- Modified Rongeur with Pistol Grip Handle
  Page 24

- Modified Kocher Clamp – Tapered Narrow Jaw
  Page 26

- Shark Tooth Grasper – 12” Shaft
  Page 27

- Torx/Hex Adapter Set
  Page 46

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FREE TRIAL ON MOST INSTRUMENTS
**Light Wands – Short and Small Diameter**

Designed by Anthony Unger, MD

Short wand useful for proximal illumination, while thin diameter wands help illuminate deep cavities such as the femoral shaft.

Light wands come with one (1) Disposable LED Light Source (#8010-01). Can also be attached to a fiber optic light cable with ACMI (female) connector.

**Disposable LED Light Source**

- **PRODUCT NO’S:**
  - 8010-01  [Disposable LED Light Source] Pkg of 1
    - Diameter: 1" (2.54 cm)
  - 8010-10  [Disposable LED Light Source] Pkg of 10

**Short Wand**
- **PRODUCT NO:** 8011-01-L  [Short Light Wand]
  - Short Wand with (1) Disposable LED Light Source #8010-01
  - Wand Length: 3" (7.6 cm)  /  Wand Shaft Diameter: 4.6 mm

**Short Thin Wand**
- **PRODUCT NO:** 8011-02-L  [Short Thin Light Wand]
  - Short Thin Wand with (1) Disposable LED Light Source #8010-01
  - Wand Length: 5.5" (14 cm)  /  Wand Shaft Diameter: 3.2 mm

**Long Thin Wand**
- **PRODUCT NO:** 8011-03-L  [Long Thin Light Wand]
  - Long Thin Wand with (1) Disposable LED Light Source #8010-01
  - Wand Length: 11" (28 cm)  /  Wand Shaft Diameter: 3.2 mm

**Flexible Ball Nose Reamer**

Designed for safe and effective use in removing pedestal formation in the femoral and tibial canals.

Recommended for use with a guide wire. Cannulated to allow guide wire use. Features a quick-connect end for use with a driver.

- **PRODUCT NO:** 2628  [Fixed Driver]
  - Overall Length: 10" (25.4 cm)  
  - Reamer Diameter: 1.5 mm

**Light Source Cable Adapters**

- **PRODUCT NO’S:**
  - 8009-S  [ACMI to Storz Adapter]
  - 8009-W  [ACMI to Wolf Adapter]
To remove cylinder: loosen small knob (A) by turning counter-clockwise, then loosen the large knob (B) by turning clockwise. A striking platform is attached to the end of the forceps for tapping and tamping the graft. Four end diameters are available in two lengths.

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Short: 6&quot; (15.2 cm) Length</th>
<th>Long: 10&quot; (25.4 cm) Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>5010-01 1/8&quot; (3.2 mm) Diameter End</td>
<td>5050-01 1/8&quot; (3.2 mm) Diameter End</td>
</tr>
<tr>
<td>5010-02 3/16&quot; (4.8 mm) Diameter End</td>
<td>5050-02 3/16&quot; (4.8 mm) Diameter End</td>
</tr>
<tr>
<td>5010-03 1/4&quot; (6.3 mm) Diameter End</td>
<td>5050-03 1/4&quot; (6.3 mm) Diameter End</td>
</tr>
<tr>
<td>5010-04 5/16&quot; (8 mm) Diameter End</td>
<td>5050-04 5/16&quot; (8 mm) Diameter End</td>
</tr>
</tbody>
</table>

When the forceps are closed, they form into an impacting punch.

Bone Mill

Used to produce allograft material

- Grinds bone of various densities
- Produces bone graft of excellent quality for impaction
- 2 cutting cylinders are included for variable size bone graft
- Attaches securely with table clamp
- Fully autoclavable and easy to dismantle for cleaning
- Includes housing, two cutting cylinders, handle, push block and table clamp

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Cutting Cylinder</th>
<th>Push Block</th>
</tr>
</thead>
<tbody>
<tr>
<td>8205 [Compete Unit including 2 Cylinders and Clamp] Overall Length (without crank): 12&quot; (30.5 cm)</td>
<td></td>
</tr>
<tr>
<td>Replacement Cutting Cylinders:</td>
<td></td>
</tr>
<tr>
<td>8205-01 [3.2 mm Hole Diameter/5 Cutting Rows]</td>
<td></td>
</tr>
<tr>
<td>8205-02 [4.2 mm Hole Diameter/4 Cutting Rows]</td>
<td></td>
</tr>
</tbody>
</table>

To remove cylinder: loosen small knob (A) by turning counter-clockwise, then loosen the large knob (B) by turning clockwise. Reverse these instructions to install new cylinder.

Allograft Bone Vise

Holds allograft bone for reaming, shaping or cutting

The vise is designed with two sets of vise jaws for reaming of two femoral heads and also for holding a long bone horizontally and vertically. The base plate is designed with a table flange for stabilization during use. The vise is completely autoclavable.

PRODUCT NO:

8215

Base Dimensions: 8.25" x 11" (21 cm x 27.9 cm)
Designed with serrated, stainless steel tips and available in three shapes: round, square and rectangular.

**Bone Graft Impactors**

*Tap bone graft or bone parts into place with minimal bone trauma*

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Round</th>
<th>Overall Length: 9” (22.9 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head Diameter: 12.5 mm</td>
<td>Shaft Diameter: 9 mm</td>
</tr>
<tr>
<td>5310</td>
<td>5320</td>
</tr>
<tr>
<td>Square</td>
<td>Overall Length: 9” (22.9 cm)</td>
</tr>
<tr>
<td>Head Dimensions: 10 mm x 10 mm</td>
<td>Overall Length: 9” (22.9 cm)</td>
</tr>
<tr>
<td>5320</td>
<td>5325</td>
</tr>
<tr>
<td>Square with Delrin Tip</td>
<td>Overall Length: 9” (22.9 cm)</td>
</tr>
<tr>
<td>Head Dimensions: 10 mm x 10 mm</td>
<td>Overall Length: 9” (22.9 cm)</td>
</tr>
<tr>
<td>5325</td>
<td>5330</td>
</tr>
<tr>
<td>Rectangular</td>
<td>Overall Length: 9” (22.9 cm)</td>
</tr>
<tr>
<td>Head Dimensions: 9.5” (24.1 cm)</td>
<td>Overall Length: 9” (22.9 cm)</td>
</tr>
<tr>
<td>5330</td>
<td>-------------------------------</td>
</tr>
</tbody>
</table>

**Ortho Impactors**

*Tap bone graft or bone parts into place with minimal bone trauma*

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Overall Length: 9” (22.9 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shaft Diameter: 9 mm</td>
</tr>
<tr>
<td>5331</td>
</tr>
<tr>
<td>[11 x 4 mm Rectangle]</td>
</tr>
<tr>
<td>5333</td>
</tr>
<tr>
<td>[12 mm Tapered]</td>
</tr>
<tr>
<td>5335</td>
</tr>
<tr>
<td>[15 mm Round]</td>
</tr>
<tr>
<td>5337</td>
</tr>
</tbody>
</table>

**Modular Impactor Set**

*Makes multiple impactor heads easily visible and available*

Designed to have available to the operating surgeon multiple types of impactors utilizing one handle. The rack uses less space and allows the surgeon to quickly see the designs available. The impactors are supplied with stainless steel tips for bone and delrin tips which can be used against an implant for slight placement adjustments.

**PRODUCT NO:**

<table>
<thead>
<tr>
<th>5370</th>
<th>[Complete Set]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Handle Length: 8” (20.3 cm)</td>
<td>Grip Length: 4.5” (11.4 cm)</td>
</tr>
<tr>
<td>Impactor Head Lengths: 1.45” (3.7 cm)</td>
<td>Base Diameter: 3.5” (8.9 cm)</td>
</tr>
</tbody>
</table>

**Stainless Impactor Sizes**

**Delrin Impactor Sizes**

*Ortho Impactors*

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Desai Surgical Funnel  
Designed by Sarang Desai, DO  
*Helps with control and placement of bone graft*  
Made from surgical grade stainless steel (for sterilization).

**Product No:** 8989  
- Overall Length: 6.25" (15.9 cm)  
- Handle Length: 3.25" (8.3 cm)  
- Funnel Diameter at Top: 3" (7.6 cm)  
- Funnel Flow-thru Diameter: 11 mm

Lombardi Cement/Antibiotic Sifter  
Designed by Adolph V. Lombardi Jr., MD  
**Product No:** 5215  
- Overall Length: 14" (35.6 cm)  
- Sifter Diameter: 5" (12.7 cm)

Surgical Spoon  
Designed by David Scott, MD  
*Very useful for the application of methylmethacrylate bone cement*  
Made from surgical grade stainless steel (for sterilization purposes).

**Product No:** 8209  
- Overall Length: 5.875" (14.9 cm)

**Namba Bone Graft Slide**  
Designed by Robert S. Namba, MD  
*Helps to efficiently guide allograft material into the acetabulum*  
Helps reduce waste of expensive allograft material by providing a holding trough and slide for effective, directed delivery.

**Product No:** 6888  
- Overall Length: 7.75" (19.7 cm)
Soft Tissue Protectors (3 Sizes)

Driver Retraction Handle

Three trephine tip sizes

Trephine Drivers (3 Sizes)

Dilator (4 Sizes)

Wire Repositioning Guide

Complete Set in Case

Double Ended Grater Cleaning Tool

Designed by Brandon Thompson, CST/CFA

Acetabular grater bone remover

PRODUCT NO:
8007 Overall Length: 7" (17.8 cm)

New!

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Cheng Biopsy Trephine System

Designed by Edward Cheng, MD

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

- Allows use of trephine at oblique angles to bone surface by using an anchoring K-wire and cannulated trephine
- Avoids “skipping” of trephine teeth on bone surface
- Facilitates optimal approach angle and direction of trephine
- Variety of core diameters yields bone samples of sufficient size for pathology
- Adapters allow for use of a power drill
- Minimally invasive — soft tissue sleeve protects surrounding structures and tissue
- Can also be used for bone graft harvesting
- Repositioning guide allows easy adjustment of targeting K-wire

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>PRODUCT NO</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1425-00</td>
<td>Complete Set with Case</td>
</tr>
<tr>
<td>1425-01</td>
<td>Soft Tissue Protector – Small</td>
</tr>
<tr>
<td>1425-02</td>
<td>Soft Tissue Protector – Medium</td>
</tr>
<tr>
<td>1425-03</td>
<td>Soft Tissue Protector – Large</td>
</tr>
<tr>
<td>1425-04</td>
<td>Dilator – 4.75 mm</td>
</tr>
<tr>
<td>1425-05</td>
<td>Dilator – 6.25 mm</td>
</tr>
<tr>
<td>1425-06</td>
<td>Dilator – 7.75 mm</td>
</tr>
<tr>
<td>1425-07</td>
<td>Dilator – 9.25 mm</td>
</tr>
<tr>
<td>1425-08</td>
<td>Trephine – Small Internal Diameter: 5mm Overall Length: 7.125&quot; (18.1 cm)</td>
</tr>
<tr>
<td>1425-09</td>
<td>Trephine – Medium Internal Diameter: 6.5 mm Overall Length: 7.125&quot; (18.1 cm)</td>
</tr>
<tr>
<td>1425-10</td>
<td>Trephine – Large Internal Diameter: 8 mm Overall Length: 7.125&quot; (18.1 cm)</td>
</tr>
<tr>
<td>1425-11</td>
<td>Drive End – Small</td>
</tr>
<tr>
<td>1425-12</td>
<td>Drive End – Medium</td>
</tr>
<tr>
<td>1425-13</td>
<td>Drive End – Large</td>
</tr>
<tr>
<td>1425-14</td>
<td>Driver Retraction Handle</td>
</tr>
<tr>
<td>1425-14-B-COMP</td>
<td>Handle Retaining Screw</td>
</tr>
<tr>
<td>1425-15</td>
<td>3-Hole Wire Repositioning Guide</td>
</tr>
<tr>
<td>1425-Case</td>
<td>Case</td>
</tr>
</tbody>
</table>

K-wire not included.
Namba Hip Slide
Designed by Robert S. Namba, MD
Safely glides femoral heads into the acetabulum – essential for ceramic heads

Tissue Protector
*Helps protect tissue when a straight reamer is being used*
Designed to be used when a straight reamer is being used in a bone canal. Very useful in minimally invasive total hip arthroplasty.

PRODUCT NO’S:
- **5480-01**: Inside Diameter: 19 mm, Overall Length: 6.5” (16.5 cm), Tube Depth: 3.875” (9.8 cm)
- **5480-02**: Inside Diameter: 24 mm, Overall Length: 6.5” (16.5 cm), Tube Depth: 3.875” (9.8 cm)

Lombardi Taper Cleaner
Designed by Adolph V. Lombardi Jr., MD
Designed to help clean a hip stem taper of corrosive by-products prior to placement of the new femoral head

PRODUCT NO’S:
- **8034**: Short Taper 11.3/12.2 mm
- **8034-01**: Long Taper 11.4/13.4 mm
- **8035-01**: 11/13 mm
- **8035-02**: 12/14 mm
- **8035-03**: 14/16 mm

Helps reduce a femoral head trial and implant into the acetabulum during total hip surgery. Manufactured of delrin to help eliminate damage to the implant. Can be steam or gas sterilized and is radiolucent. Three sizes to accommodate different diameter heads.

Facilitates MIS hip replacement procedures
Smallest size now accommodates up to 40 mm

PRODUCT NO’S:
- **6890**: Overall Length: 12” (30.5 cm)
- **6890-01**: For 22–40 mm heads
- **6891**: Overall Length: 12” (30.5 cm)
- **6891-01**: For 40–48 mm heads
- **6892**: Overall Length: 12” (30.5 cm)
- **6892-01**: For 50–60 mm heads

Numb Hip Slide
Designed by Robert S. Namba, MD
Safely glides femoral heads into the acetabulum – essential for ceramic heads

Tissue Protector
*Helps protect tissue when a straight reamer is being used*
Designed to be used when a straight reamer is being used in a bone canal. Very useful in minimally invasive total hip arthroplasty.

PRODUCT NO’S:
- **5480-01**: Inside Diameter: 19 mm, Overall Length: 6.5” (16.5 cm), Tube Depth: 3.875” (9.8 cm)
- **5480-02**: Inside Diameter: 24 mm, Overall Length: 6.5” (16.5 cm), Tube Depth: 3.875” (9.8 cm)

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- **8034-01**: Long Taper 11.4/13.4 mm
- **8035-01**: 11/13 mm
- **8035-02**: 12/14 mm
- **8035-03**: 14/16 mm

Helps reduce a femoral head trial and implant into the acetabulum during total hip surgery. Manufactured of delrin to help eliminate damage to the implant. Can be steam or gas sterilized and is radiolucent. Three sizes to accommodate different diameter heads.

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- **6891**: Overall Length: 12” (30.5 cm)
- **6891-01**: For 40–48 mm heads
- **6892**: Overall Length: 12” (30.5 cm)
- **6892-01**: For 50–60 mm heads
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.

For 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.

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Internal Diameter</th>
<th>Overall Length</th>
<th>Length-to-bend</th>
<th>Pin Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1426-00</td>
<td>Complete Set with Case</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1426-01</td>
<td>5 mm Internal Diameter</td>
<td>5 mm</td>
<td>7.125” (18.1 cm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1426-02</td>
<td>6.5 mm Internal Diameter</td>
<td>6.5 mm</td>
<td>7.125” (18.1 cm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1426-03</td>
<td>8 mm Internal Diameter</td>
<td>8 mm</td>
<td>7.125” (18.1 cm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1426-05</td>
<td>9 mm Internal Diameter</td>
<td>9 mm</td>
<td>7.125” (18.1 cm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1426-06</td>
<td>10 mm Internal Diameter</td>
<td>10 mm</td>
<td>7.125” (18.1 cm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1426-07</td>
<td>11 mm Internal Diameter</td>
<td>11 mm</td>
<td>7.125” (18.1 cm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1426-04</td>
<td>Handle Assembly</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Internal Diameter</th>
<th>Overall Length</th>
<th>Length-to-bend</th>
<th>Pin Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1210-02</td>
<td>Depth: 2” (5.1 cm) Overall Length: 8” (20.3 cm) Length-to-bend: 7” (17.8 cm) Pin Length: 10 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1210-03</td>
<td>Depth: 2.75” (7 cm) Overall Length: 8” (20.3 cm) Length-to-bend: 7” (17.8 cm) Pin Length: 10 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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HIP ARTHROPLASTY INSTRUMENTS
### AccuAngle Indicator

**Designed by S. David Stulberg, MD, A. Llinas, MD and J. Navas, MD**

**Helps to accurately predetermine angles for acetabular cup positioning and insertion**

Calibrated from 0 to 45°, the indicator may be used on the reamer shaft, the trial cup shaft and the cup impactor shaft.

Designed to allow the surgeon to consistently and quickly achieve the desired component position during each step of acetabular preparation and component positioning: acetabular reaming, trial component positioning, and actual component insertion. Steam sterilizable without vacuum.

**PRODUCT NO:** 1325

- **Dimensions:** 4” x 2” (10.2 cm x 5.1 cm)

### Koonin Leg Length Caliper

**Designed by Michael Koonin, MD**

**Koonin Leg Length Caliper - Small**

**Designed for use in small incisions to help measure and evaluate pre- and post-THR leg length in conjunction with X-ray calibration and clinical judgement**

Works in a similar manner to the Leg Length Caliper above without the use of the level.

**PRODUCT NO:** 1196

- **Overall Length:** 3.25–4.5” (8.3 cm–11.4 cm)

### Koonin Leg Length Caliper

**Designed to help measure and evaluate pre- and post-THR leg length in conjunction with X-ray calibration and clinical judgement**

Utilizes a 5/32” (4 mm) pin in the wound just proximal to the acetabulum and a 1/8” (3.2 mm) pin in the greater trochanter. (The soft tissue is cleared away and a single drill hole is made in the trochanter to accommodate the distal pin; the hole is marked with methylene blue so it can be easily found.)

Alternatively, a 7.3 mm cannulated screw that accepts a 3.2 mm pin may be used in the greater trochanter. Using the sliding caliper, the difference in leg length measurement before hip dislocation and after the THR procedure helps show the change in leg length.

The sterilizable level helps to ensure the leg is in the same plane when initially putting the leg length caliper on and when reattaching the caliper.

**PRODUCT NO’S:**

- **1325** [Complete Set]
  - Includes: Caliper, Sterilizable Level, and Sterilization Case
- **1195-01** [Caliper Only]
  - **Overall Length:** 4.5”-6.5” (11.4 cm-16.5 cm)
- **1180** [Sterilizable Level Only]
  - **Dimensions:** 2” x 5” x .75” (5.1 cm x 1.3 cm x 1.9 cm)
- **1025** [Sterilization Case]

### Koonin Leg Length Caliper – Small

**Designed by Michael Koonin, MD**

**Designed for use in small incisions to help measure and evaluate pre- and post-THR leg length in conjunction with X-ray calibration and clinical judgement**

Works in a similar manner to the Leg Length Caliper above without the use of the level.

**PRODUCT NO:** 1196

- **Overall Length:** 3.25–4.5” (8.3 cm–11.4 cm)
**Cannestra Hip Length Gauge**

*Designed by Vince Cannestra, MD*

Helps determine leg length and hip offset in total hip arthroplasty, including minimally invasive techniques.

A detailed instruction brochure is available on our website.

**PRODUCT NO’S:**

- **1327-00** [Set]
- **1327-01** [Pin – 100 mm]
- **1327-02** [T-Handle] Dimensions: 8” x 5” (20.3 cm x 12.7 cm)
- **1327-03** [Ruler]
- **1327-04** [Pin – 130 mm]
- **1025** [Sterilization Case]

---

**Anterior Hip Referencing Rod Assembly**

*Designed by Scott A. Foster, MD*

For use during intraoperative imaging while performing anterior hip arthroplasty to help determine implant fit, position, alignment and recreation of leg length and offset using the contralateral hip for reference.

- Designed to be overlayed on the pelvis during the imaging part of the procedure to compare leg length and offset to the contra lateral hip using the trans teardrop or trans ischial line as reference.
- Extended length allows the surgeon’s hands to remain outside of the imaging beam.
- Notched in increments of 1 cm for ease of reference.
- Features a threaded coupler midshaft to break down for processing and storage, allowing the unit to fit into a traditional tray.

**PRODUCT NO’S:**

- **2674-00** [Complete Assembly] Overall Length: 27.75” (70.5 cm)
  Rod Diameter: .25” (6.3 mm)
- **2674-A** [Top Assembly] Overall Length: 16.75” (42.6 cm)
  Rod Diameter: .25” (6.3 mm)
- **2674-B** [Bottom Assembly] Overall Length: 10.5” (26.7 cm)
  Rod Diameter: .25” (6.3 mm)

---

**IHS Inclinometer**

*Designed by Craig J. Della Valle, MD*

Helps to accurately predetermine angles for acetabular cup positioning and insertion—calibrated from 0 to 45°, the indicator may be used on the reamer shaft, the trial cup shaft and the cup impactor shaft.

Designed to allow the surgeon to consistently and quickly achieve the desired component position during each step of acetabular preparation and component positioning: acetabular reaming, trial component positioning, and actual component insertion.

Steam sterilizable.

**PRODUCT NO: 1326**

Dimensions: 4” x 2” (10.2 cm x 5.1 cm)
**Ruler with 45° Angle Handle**

*Designed by Richard A. Sanders, MD*

*Useful for measuring distances in small deep incisions*

Ideal for measuring the distance from the lesser trochanter to the center of the trial femoral head during femoral sizing.

---

**Ruler with Right Angle Handle**

*Designed to be used to measure the femoral head/neck length*

Very helpful in minimally invasive surgery.

---

**Lombardi Self-holding X-ray Magnification Marker**

*Designed by Adolph Lombardi, MD*

*Helps to remove the variable of X-Ray magnification factor from the process of Orthopedic templating*

Fully positionable, this orthopedic X-Ray calibration and marking device features a 1" (25.4 mm) stainless steel ball which, when properly positioned at bone level on a precise anatomical plane, will be this exact size when viewed from all angles, allowing it to be used as a calibration marker in surgical planning software applications, helping to gauge the size of other components on that plane. This helps establish precise anatomical measurement.

---

**Sanders Femoral Neck Cutting Blocks**

*Designed by Richard A. Sanders, MD*

*Designed to help with the accurate placement of the femoral neck osteotomy in total hip surgery*

Used to measure the distance from the proximal end of the lesser trochanter to the level of the femoral neck osteotomy. The desired level of the femoral neck osteotomy is determined by preoperative planning. The exact level of the femoral osteotomy helps with leg length, either maintaining equal leg length or correcting leg length discrepancies.
Kenerly Femoral Neck Cutting Guide
Designed by J. Lex Kennedy, III, MD

Designed for use during the anterior approach for THA to help determine the femoral neck osteotomy location, the guide is placed on the femoral neck and adjusted using the intraoperative C-arm image to visualize and compare to the pre-op templating, providing an excellent location for the initial femoral neck osteotomy.

PRODUCT NO: 4590
Overall Length: 8.25" (21 cm)
Handle Length: 1.9" (4.8 cm)
Cutting Guide Bar Length: 1.22" (3.1 cm)
End of Bar to Tip Length: 3.5 mm
Shaft Angle at End: 30°
Shaft Diameter: 1.25" (3.2 mm)

Mengato Depth Gauge
Designed by Richard Mengato, MD

Ring-handled design with 3 rings gives 3-point grip for ease of holding and manipulation.

Allows for superior gauge control and manipulation, to advance, engage and maintain the hook on the distal cortex by levering the probe against the bone hole and keeping gentle tension on the hook.

PRODUCT NO: 1139
Overall Length - Contracted: 7.125" (18.1 cm)
Overall Length - Extended: 9.125" (23.2 cm)
Gauge: 0 to 50 mm

Depth Gauge

Designed for one-handed use — helps to provide measurement of the depth/length of any bone hole for proper screw length determination.

PRODUCT NO: 8015
Overall Length: 7.625" (19.4 cm)
Scale: From 0 to 48 mm

Sterilizable Level

Helpful in hip surgery to ensure the leg is in the same position when checking leg length.

Steam sterilizable without vacuum for use in surgery.

PRODUCT NO: 1180
Dimensions: 2" x 5" x .75" (5.1 cm x 1.3 cm x 1.9 cm)
Powers Femoral Sounds
Designed by Mark Powers, MD

Allows the surgeon to gently identify the canal of a long bone as well as its width (isthmus) prior to inserting a device

Unger Canal Finder Rasps
Designed by Anthony Unger, MD

Designed to help shape the femoral canal after reaming

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>3004</th>
<th>Overall Length: 11” (27.9 cm)</th>
<th>Handle Length: 5” (12.7 cm)</th>
</tr>
</thead>
</table>

5 mm

- 3004-01 [Unger Canal Finder Rasp–Curved]
- 3004-02 [Unger Canal Finder Rasp–Curved with Smooth Proximal]

Kim Anterior Total Hip Awl
Designed by William C. Kim, MD

Designed to help avoid perforation of the femoral canal while helping to give an accurate assessment of canal orientation for trial broaching during anterior approach THA

PRODUCT No:

<table>
<thead>
<tr>
<th>8028</th>
<th>Overall Length: 12” (30.5 cm)</th>
<th>Blunt Reamer Length: 2” (5.1 cm)</th>
</tr>
</thead>
</table>
T-Handle Femoral Canal Finders

- Designed to sound the femoral canal prior to stem broaching, especially useful to help start the broach path during the direct anterior approach

Rockowitz T-Handle Femoral Canal Finder Rasp

- **PRODUCT NO:** 4990
- **Dimensions:** Overall Length: 9" (22.9 cm)
- **Handle:** Contoured

T-Handle Femoral Canal Finder – Smooth

- **PRODUCT NO:** 4990-03 (Smooth)
- **Dimensions:** Overall Length: 9.385" (24.4 cm)

Modified T-Handle Femoral Canal Finder Rasp

- **PRODUCT NO:** 4989
- **Dimensions:** Overall Length: 9" (22.9 cm)

Large Bone Curettes

- **PRODUCT NO’S:**
  - 5160 [Set with Case]
  - Individual Instrument Dimensions: Overall Length: 15" (38.1 cm)
  - Handle Length: 4.5" (11.4 cm)
  - 5160-01 [Angled Small]
  - Curette End: 10 mm X 18 mm
  - 5160-02 [Straight Small]
  - Curette End: 10 mm X 24 mm
  - 5160-03 [Angled Medium]
  - Curette End: 10 mm X 24 mm
  - 5160-04 [Angled Large]
  - Curette End: 24 mm X 24 mm
  - 5160-05 [Straight Medium]
  - Curette End: 10 mm X 24 mm
  - 9004 [Case]

- **ORIGINAL DR. ROCKOWITZ DESIGN**
  - **Topside Rasp**
    - Rasp on curve topside and sides, smooth on underside

- **SMOOTH DESIGN**
  - No rasp – smooth underside, sides, and topside

- **MODIFIED DESIGN**
  - **Underside Rasp**
    - Rasp on curve underside and sides, smooth on topside

- **Designed with a 5/16" (8 mm) diameter shaft allowing better visualization into the medullary canal**

The contoured handle is designed to keep the curette from slipping in the surgeon's hand and for better control. The Angled Large Curette is designed for use in the acetabulum or exposed bone. The 10.5" (26.7 cm) shaft is 5/16" (8 mm) in diameter and has a contoured handle.
### Modified Lambotte Osteotomes

*Designed with a striking platform, plus a cross-bar hole to help control rotational stability and assist with removal*

Six (6) sizes available, from 1/4" to 1-1/2" in 1/4" increments.

Cross-bar and case included in complete set. Two smallest sizes have an 1/8" hole in which an 1/8" pin can be used as a cross bar (not included).

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th>Overall Length: 11.125&quot; (28.3 cm)</th>
<th>Osteotome Width: 20 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>6865-01</td>
<td>Flat Blade Osteotome</td>
<td></td>
</tr>
<tr>
<td>6865-02</td>
<td>Femoral Head Dislocation Lever</td>
<td></td>
</tr>
<tr>
<td>6865-03</td>
<td>Narrow Curved Osteotome</td>
<td></td>
</tr>
<tr>
<td>6865-04</td>
<td>Wide Curved Osteotome</td>
<td></td>
</tr>
<tr>
<td>6865-05</td>
<td>Swan Neck Curved Gouge</td>
<td></td>
</tr>
<tr>
<td>5350-CB</td>
<td>Cross Bar</td>
<td></td>
</tr>
</tbody>
</table>

### Mueller Style Hip Instruments

*Helpful in osteophyte and cement removal*

Small, thin osteotomes helpful in osteophyte and cement removal in total joint surgery. Larger handle helps with better control.

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th>Overall Length: 11.125&quot; (28.3 cm)</th>
<th>Osteotome Width: 1.25&quot; (31.8 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6865-01</td>
<td>Flat Blade Osteotome</td>
<td></td>
</tr>
<tr>
<td>6865-02</td>
<td>Femoral Head Dislocation Lever</td>
<td>Scoop Dimensions: 25 mm x 57 mm</td>
</tr>
<tr>
<td>6865-03</td>
<td>Narrow Curved Osteotome</td>
<td>Osteotome Width: 9 mm</td>
</tr>
<tr>
<td>6865-04</td>
<td>Wide Curved Osteotome</td>
<td>Osteotome Width: 10 mm</td>
</tr>
<tr>
<td>6865-05</td>
<td>Swan Neck Curved Gouge</td>
<td>Overall Length: 12&quot; (30.5 cm)</td>
</tr>
<tr>
<td>5350-CASE</td>
<td>Case</td>
<td>Gouge Width: 23 mm</td>
</tr>
</tbody>
</table>

### Mini-lexer Osteotomes

*Helpful in osteophyte and cement removal*

Small, thin osteotomes helpful in osteophyte and cement removal in total joint surgery. Larger handle helps with better control.

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th>Blade Width: 6 mm</th>
<th>Overall Length: 7.25&quot; (18.4 cm)</th>
<th>Handle Length: 4&quot; (10.2 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5270-01</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5270-02</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5270-03</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5270-04</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Durham Curved Osteotome
Designed by A. A. Durham, MD
Increased angle useful for posterior osteophytes of the femoral condyle and the humeral head, as well as anterior acetabular osteophytes

PRODUCT NO'S:
4950
Overall Length: 9” (22.9 cm)
Handle Length: 5” (12.7 cm)
Osteotome Width: .625” (1.6 cm)

Chandran Bent Serrated Curette
Designed by Rama E. Chandran, MD
Serrated design allows for easier removal of cancellous bone in the proximal femur in total joint arthroplasty

PRODUCT NO:
5171
Overall Length: 11.75” (29.8 cm)
Handle Length: 5.5” (14 cm)
Cup Size: 7 mm x 12 mm

Lambotte Osteotomes with Handle
Designed by John Cherf, MD
Handle allows for better control, reducing rotation during use

PRODUCT NO'S:
5250-01: [Straight]
Blade Width: .25” (6.3 mm)
Overall Length: 13” (32.8 cm)
Handle Length: 4.5” (11.4 cm)
5260-01: [Curved]
Blade Width: .25” (6.3 mm)
Overall Length: 13” (32.8 cm)
Handle Length: 4.5” (11.4 cm)

Wagner Osteotome Handle
Handle designed by Russell Wagner, MD
Handle is designed for easier gripping, rotational control, and use with a mallet with a standard 1/4” Lambotte osteotome

PRODUCT NO'S:
5348: [Handle Only]
Overall Length: 5.5” (14 cm)
5348-01: [1/4” Osteotome Only]
Overall Length: 8.675” (22.5 cm)
Used to remove the femoral head during total hip arthroplasty or fracture surgery

Verner Corkscrew Femoral Head Remover
Designed by James J. Verner, MD & Andy Lytle

Features a Zimmer Hall Quick-connect for use with a driver.
Rivero Anti-Rotation Corkscrew Femoral Head Remover

Designed by Dennis Rivero, MD

Designed to help prevent rotation while engaging a femoral head for removal

The sharp-toothed sleeve can be tapped in to help provide purchase of the femoral head, then held to help prevent rotation as the super-threaded corkscrew is turned to engage the head for removal.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Description</th>
<th>Overall Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>3705</td>
<td>Corkscrew &amp; Sleeve Set</td>
<td>10” (25.4 cm)</td>
</tr>
<tr>
<td>3705-01</td>
<td>Corkscrew Only</td>
<td>10” (25.4 cm)</td>
</tr>
<tr>
<td>3705-02</td>
<td>Sleeve Only</td>
<td>8” (20.3 cm)</td>
</tr>
</tbody>
</table>

Rivero Extra Grip Femoral Head Removers

Modified by Dennis Rivero, MD

Used to remove femoral heads during total hip arthroplasty or fracture surgery

Quick-connect version for use with a driver.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Description</th>
<th>Overall Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>3706</td>
<td>Zimmer Hall Quick-connect</td>
<td>8.5” (21.6 cm)</td>
</tr>
<tr>
<td>3707</td>
<td>T-Handle</td>
<td>8.75” (22.2 cm)</td>
</tr>
</tbody>
</table>

Femoral Head Removers

Used to remove a femoral head during total hip arthroplasty or fracture surgery

Quick-connect version for use with a driver.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Description</th>
<th>Overall Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>3688</td>
<td>Zimmer Hall Quick-connect</td>
<td>8.5” (21.6 cm)</td>
</tr>
<tr>
<td>3690</td>
<td>T-Handle</td>
<td>8.75” (22.2 cm)</td>
</tr>
</tbody>
</table>
**O’Reilly Femoral Head Extractor**

*Designed by Michael P. O'Reilly, MD*
*Small version designed modification by Tarum Bhargava, MD*

**Designed to help remove the femoral head during THA, MIS Direct Anterior THA, and hip fracture surgery/hemiarthroplasty**

The perpendicular osteotome blades help provide purchase in osteoporotic bone, while the central osteotome provides a visual estimate of the instrument’s depth of penetration to avoid acetabular injury with use during hemiarthroplasty.

The handle helps obtain rotational torque needed to rotate and dislocate the femoral head in direct anterior hip arthroplasty.

<table>
<thead>
<tr>
<th><strong>PRODUCT NO’S:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>3675 [Large]</td>
</tr>
<tr>
<td>Overall Length: 9.5&quot; (24,1 cm)</td>
</tr>
<tr>
<td>Hammer Platform Diameter: 1.125&quot; (2,9 cm)</td>
</tr>
<tr>
<td>Width at End: 1.1&quot; (2,8 cm)</td>
</tr>
<tr>
<td>3674 [Small]</td>
</tr>
<tr>
<td>Overall Length: 9.5&quot; (24,1 cm)</td>
</tr>
<tr>
<td>Hammer Platform Diameter: 1.125&quot; (2,9 cm)</td>
</tr>
<tr>
<td>Width at End: .75&quot; (1,9 cm)</td>
</tr>
</tbody>
</table>

**Femoral Head Removal Clamp**

*Firmly locks onto a resected femoral head during total hip, hip fracture, and MIS total hip surgery*

Designed to firmly lock onto a resected femoral head during total hip surgery or hip fracture. Narrow design is also useful in minimally invasive total hip surgery with limited access to the femoral head.

**PRODUCT NO:**

3680

**Overall Length:** 10.75" (27,3 cm)

**MADE EXCLUSIVELY FOR INNOMED IN GERMANY**

**O’Reilly Femoral Head Extractor**

**Femoral Head Removal Pin**

*Used to help remove a femoral head during total hip surgery*

Partial threaded pin can be used to help remove a femoral head during total hip surgery. The pin is especially helpful in minimally invasive total hip surgery where access to the femoral head is limited. The pin is attached to a pin driver which clamps onto a Jacob chuck. When the pin is drilled in place, the driver is easily removed from the pin, as the pin is held by a friction ring. The head can be removed by gripping the pin by hand or by using a large pin inserter/extractor.

<table>
<thead>
<tr>
<th><strong>PRODUCT NO’S:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1310 [Pin]</td>
</tr>
<tr>
<td>Overall Length: 9&quot; (22,9 cm)</td>
</tr>
<tr>
<td>Diameter: 5/32&quot; (4 mm)</td>
</tr>
<tr>
<td><strong>Optional Inserters/Extractors:</strong></td>
</tr>
<tr>
<td>1205 [Pin Driver]</td>
</tr>
<tr>
<td>3030 [Pin Inserter/Extractor]</td>
</tr>
</tbody>
</table>

**Designed to be used with:**

Pin Inserter/Extractor

Pin Driver
Huddleston Femoral Head Removers
Designed by H. Dennis Huddleston, MD

Designed to help lever a femoral head out of the acetabulum in standard and anterior approach total hip replacement

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Overall Length</th>
<th>Scoop Length</th>
<th>Scoop Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>3608</td>
<td>Sharp</td>
<td>10.5&quot; (26.7 cm)</td>
<td>3&quot; (7.6 cm)</td>
<td>29 mm</td>
</tr>
<tr>
<td>3609</td>
<td>Dull</td>
<td>10.5&quot; (26.7 cm)</td>
<td>3&quot; (7.6 cm)</td>
<td>29 mm</td>
</tr>
</tbody>
</table>

Doran Coated Femoral Neck Mating Guide
Designed by Hamidreza Doroodchi, MD

Designed for controlled manipulation of femoral head/neck mating in SuperPATH THA approach

PRODUCT NO:

<table>
<thead>
<tr>
<th>No.</th>
<th>Overall Length</th>
<th>Blade Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>3419</td>
<td>11.75&quot; (29.8 cm)</td>
<td>1.125&quot; (29 mm)</td>
</tr>
</tbody>
</table>

Schantz Pin with Zimmer Hall Quick-connect
Designed by Keith Berend, MD

Used to help remove a femoral head during total hip surgery

Partial threaded pin can be used to help remove a femoral head during total hip surgery. Especially helpful in minimally invasive total hip surgery where access to the femoral head is limited. Connects with a Zimmer Hall Quick-connect.
Curved Femoral Head Impactor
Designed by Amiee Zirpel

Allows for in-line femoral head impaction during minimally invasive THR

The curved offset handle allows the head impactor to be slid under the skin of a small incision, and helps provide hand-held stability and maneuverability within the wound, while the impaction platform is easily accessible outside the wound. The impaction disc is made of delrin, which helps prevent marring and scratching of components.

PRODUCT NO:
3644
Overall Length: 7.25" (18.4 cm)

Modular Head Holder
Designed by Byron E. Dunaway, MD & Wayne Goldstein, MD

Designed to hold 22 mm to 36 mm heads for ease of insertion in minimally invasive THR

Head holding ends are plastic coated to help eliminate any damage to the implant. Available in two lengths. Steam and gas sterilizable.

PRODUCT NO’S:
8290-01
Overall Length: 7" (17.8 cm)
8290-02
Overall Length: 9" (22.9 cm)

Taper Head Impactor
Designed by Byron E. Dunaway, MD & Wayne Goldstein, MD

Designed to impact a modular head during minimally invasive THR

The impactor has a protective coating to interface against the implant to help prevent damage while seating the implant. Can be used with 22 mm to 36 mm heads. Steam and gas sterilizable.

PRODUCT NO:
7840
Overall Length: 12" (30.5 cm)
Bhargava DAA Femoral Stem Impactor
Designed by Tarun Bhargava, MD
Helps allow for easier impaction of most femoral stems through the DAA approach — protects the trunion and helps allow for control of version during impaction

Extended Cup Positioner
Designed modification by James F. Kayvanfar, MD of an original design by Thomas Eidmann, MD
Designed to help reposition an acetabular cup during total hip arthroplasty
Ultra hard titanium nitride coating helps to extend life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion.

Blair Acetabular Cup Positioner
Designed by Christopher Blair, DO
Designed to help adjust the position of an acetabular cup

Offset Cup Liner Inserters
Offset to improve visualization and for mis hip surgery
Two sizes available
Modified Rongeur with Pistol Grip Handle

Design modification by Morteza Meftah, MD and Ira Kirschenbaum, MD, of an original design by James T. Mazzara, MD.

A thin top cutter and deep lower cutter, with edges that are rounded off, allows the top cutter to slide into a tight space—specifically the acetabulum or the patella—while the pistol grip helps lessen hand fatigue and slippage, and allows for better visualization.

Extra Long Rongeur

Helpful in minimally invasive total hip surgery by keeping hands out of the field of view.

Mazzara Pistol Grip Extra Long Rongeur

Designed by James T. Mazzara, MD

Pistol Grip handle lessens hand fatigue and slippage, and allows for better visualization.
Hannum Modified Angled Grasper

Designed by Scott Hannum, MD

Heavy duty large bone grasper designed to help trim acetabular osteophytes — angled to ergonomically fit around the rim via the direct anterior approach

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Overall Length: 8.5” (21.6 cm)</th>
<th>Jaw Width: 11 mm</th>
<th>Jaw Bite Internal: 9 mm x 21 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>1775-04</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ortho Rongeur with Easy Grip Handle

Offset handle lessens hand fatigue and slippage, and allows for better visualization

Offset handle gives better gripping power and helps reduce hand fatigue. Finger grooves help to prevent hand slippage. The offset handle also allows for better visualization. Available in three jaw bite sizes.

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1780-01</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>1780-02</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>1780-03</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Mazzara Rongeur with Pistol Grip Handle

Designed by James T. Mazzara, MD

Pistol Grip handle lessens hand fatigue and slippage, and allows for better visualization

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1765-01</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>1765-02</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>1765-03</td>
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</tbody>
</table>

1.800.548.2362  APRIL 2020  HIP ARTHROPLASTY INSTRUMENTS
Tissue Graspers with Shark Teeth

Shark teeth help to grasp on to tissue and bone

**Product No’s:**

- **1784-01** [Up Angled Jaw]
  - Shaft Length: 7" (17.8 cm)
  - Overall Length: 10" (25.4 cm)
  - Jaw: 9 mm Long x 5 mm High x 1.8 mm Wide

- **1784-02** [Straight Jaw]
  - Shaft Length: 7" (17.8 cm)
  - Overall Length: 10" (25.4 cm)
  - Jaw: 9 mm Long x 5 mm High x 1.8 mm Wide

- **1784-03** [Down Angled Jaw]
  - Shaft Length: 7" (17.8 cm)
  - Overall Length: 10" (25.4 cm)
  - Jaw: 9 mm Long x 5 mm High x 1.8 mm Wide

- Shaft allows for use in narrow spaces
- Ideal for removing herniated disc material

Bhargava Anterior Hip Labral Grasper

Designed by Tarun Bhargava, MD

Designed to help remove the labrum and soft tissues in anterior total hip surgery, and very useful in helping to remove posterior osteophytes in knee surgery

**Product No:**

- **1778**
  - Overall Length: 12.5" (31.8 cm)
  - Shaft Length: 9" (22.9 cm)
  - Shaft Width: 7 mm
  - Jaw Width at End: 4 mm
  - Toothed Jaw Length: 14 mm

Soudry Loose Body Grasper

Designed by Michael Soudry, MD

Designed to help with the removal of soft tissue loose bodies in arthroscopy and open procedures

**Product No:**

- **1769**
  - Overall Length: 9" (22.9 cm)
  - Shaft Length: 6" (15.2 cm)

Soudry Loose Body Grasper

Designed by Michael Soudry, MD

Designed to help with the removal of soft tissue loose bodies in arthroscopy and open procedures

**Product No:**

- **1769**
  - Overall Length: 9" (22.9 cm)
  - Shaft Length: 6" (15.2 cm)

**FREE TRIAL ON MOST INSTRUMENTS**
Cartilage Graspers
Designed by Luis Ulloa
Helps to grasp and hold cartilage, tendons, soft tissues and loose bodies
Shaft allows for use in narrow spaces.

**PRODUCT NO:**
1785 [Saw Teeth]
Shaft Length: 6” (15,2 cm)
Overall Length: 9.25” (23,5 cm)

**PRODUCT NO’S:**
1777 [5” with Shark Teeth]
Shaft Length: 5” (12,7 cm)
Overall Length: 11.25” (28,6 cm)

1779 [8” with Shark Teeth]
Shaft Length: 8” (20,3 cm)
Overall Length: 11.25” (28,6 cm)

Shark Tooth Graspers
Designed by Luis Ulloa
Sharp teeth help grasp onto tissue and bone
Helpful in removing the labrum, and osteophytes around the acetabulum and around the glenoid. Also helps to remove meniscus, osteophytes and loose bodies. Helps facilitate working through a small incision without disrupting vision.

**PRODUCT NO’S:**
1797 [5” Shaft]
Jaw Size: 6 mm x 10 mm
Overall Length: 8” (20,3 cm)
Shaft Length: 5” (12,7 cm)

1798 [7” Shaft]
Jaw Size: 6 mm x 10 mm
Overall Length: 10” (25,4 cm)
Shaft Length: 7” (17,8 cm)

1799 [9” Shaft]
Jaw Size: 6 mm x 10 mm
Overall Length: 12” (30,5 cm)
Shaft Length: 9” (22,9 cm)

1796 [12” Shaft]
Jaw Size: 6 mm x 10 mm
Overall Length: 15” (38,1 cm)
Shaft Length: 12” (30,5 cm)

Extra Long Grasper
Designed for reaching deep into the medullary canal

**PRODUCT NO:**
1782
Overall Length: 15” (38,1 cm)
Hannum Tissue Grasper  Designed by Scott Hannum, MD
Teeth in jaw firmly holds bone and tissue
Non-locking design can be easily gripped while allowing greater pressure to be applied.
Used for dissection (to preserve)/or removal of the anterior capsule, removal of the labrum, or other soft tissue around the acetabulum prior to cup implantation.
Also used to release the capsule to expose the femur for placement of the femoral stem. Long, low profile helps facilitate working through a small incision without disrupting vision.
Three jaw sizes: short for holding bone, medium for smaller bones, and long for tissue.

Powers Modified Kocher Clamps  Designed by Mark Powers, MD
Heavier design allows for a firmer grasping of bone and soft tissues

Angled Capsule Scissors  Designed by James B. Stiehl, MD
Angled scissors allow a greater range of capsular access

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1775-01</td>
</tr>
<tr>
<td>8 mm Jaw Width</td>
</tr>
<tr>
<td>Overall Length: 9.25&quot; (23.5 cm)</td>
</tr>
<tr>
<td>1775-02</td>
</tr>
<tr>
<td>5 mm Jaw Width</td>
</tr>
<tr>
<td>Overall Length: 9.25&quot; (23.5 cm)</td>
</tr>
<tr>
<td>1775-03</td>
</tr>
<tr>
<td>3 mm Jaw Width</td>
</tr>
<tr>
<td>Overall Length: 9.25&quot; (23.5 cm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1813</td>
</tr>
<tr>
<td>Overall Length: 8.25&quot; (21 cm)</td>
</tr>
<tr>
<td>Jaw Length: 2.5&quot; (6.4 cm)</td>
</tr>
<tr>
<td>Jaw at End: 5.2 mm x 4.1 mm</td>
</tr>
<tr>
<td>1813-01</td>
</tr>
<tr>
<td>Overall Length: 8.25&quot; (21 cm)</td>
</tr>
<tr>
<td>Jaw Length: 2.5&quot; (6.4 cm)</td>
</tr>
<tr>
<td>Jaw at End: 5.2 mm x 3 mm</td>
</tr>
<tr>
<td>1814</td>
</tr>
<tr>
<td>Overall Length: 8.25&quot; (21 cm)</td>
</tr>
<tr>
<td>Jaw Length: 2.5&quot; (6.4 cm)</td>
</tr>
<tr>
<td>Jaw at End: 6.5 mm x 5 mm</td>
</tr>
</tbody>
</table>

Jaw widths (at actual size)
- 8 mm
- 5 mm
- 3 mm
**Long Jaw Needle Nose Pliers**

**PRODUCT NO:**

1833

- Overall Length: 7” (17.8 cm)
- Jaw Length: 2.25” (5.7 cm)
- Jaw Height Tapered from: 12 mm to 2.5 mm

**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.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Long Nose</th>
<th>Long Nose</th>
<th>Threaded Adapters</th>
<th>Slap Hammers</th>
</tr>
</thead>
<tbody>
<tr>
<td>3980</td>
<td>3965</td>
<td>3975</td>
<td>3980-02</td>
<td>3950</td>
</tr>
<tr>
<td>[Large] Overall Length: 10” (25.4 cm) with Attachment Bolts with Large OrthoVise™ Slap Hammer (#3950)</td>
<td>[Large] Overall Length: 12” (30.5 cm) with Attachment Bolts with Large OrthoVise™ Slap Hammer (#3950)</td>
<td>[Small] Overall Length: 9.5” (24.1 cm) without Attachment Bolt without Slap Hammer</td>
<td>[Small Adapter] Changes Male End of a Slap Hammer to Female</td>
<td>[Slap Hammer for Large OrthoVise™] for use with: 3965’s, 3980’s, 3985’s</td>
</tr>
<tr>
<td>3980-01</td>
<td>3965-01</td>
<td>3975-01</td>
<td>3980-03</td>
<td>3955</td>
</tr>
<tr>
<td>[Large] Overall Length: 10” (25.4 cm) with Attachment Bolts</td>
<td>[Large] Overall Length: 12” (30.5 cm) with Attachment Bolts</td>
<td>[Small] Overall Length: 9.5” (24.1 cm) with Attachment Bolt with Small OrthoVise™ Slap Hammer (#3955)</td>
<td>[Threaded Adapting Screw – Large] for use with: 3965’s, 3966’s, 3980’s, 3981</td>
<td>[Slap Hammer for Small OrthoVise™] for use with: 3975’s, 3985’s</td>
</tr>
<tr>
<td>3981</td>
<td>3966</td>
<td>3975-01</td>
<td>3980-03</td>
<td>3925</td>
</tr>
<tr>
<td>3985</td>
<td>3966-01</td>
<td>3975-T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[Small] Overall Length: 8” (20.3 cm) without Attachment Bolt without Slap Hammer</td>
<td>[Large Bent Jaw] without Attachment Bolt without Slap Hammer</td>
<td>[Small] Overall Length: 9.5” (24.1 cm) with Attachment Bolt without Slap Hammer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3985-01</td>
<td>3975-T</td>
<td>3950</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[Small] Overall Length: 8” (20.3 cm) with Attachment Bolt with Small OrthoVise™ Slap Hammer (#3955)</td>
<td>[Small] Overall Length: 9.5” (24.1 cm) with Attachment Bolt without Slap Hammer</td>
<td>[Slap Hammer for Large OrthoVise™] for use with: 3965’s, 3980’s, 3981</td>
<td>[Slap Hammer for Large OrthoVise™] for use with: 3965’s, 3980’s, 3981</td>
<td></td>
</tr>
<tr>
<td>3985-T</td>
<td>3955</td>
<td>3925</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[Small] Overall Length: 8” (20.3 cm) with Attachment Bolt without Slap Hammer</td>
<td>[Slap Hammer for Small OrthoVise™] for use with: 3975’s, 3985’s</td>
<td>[Standard Slap Hammer] for use with: 3966’s</td>
<td>[Slap Hammer for Small OrthoVise™] for use with: 3975’s, 3985’s</td>
<td></td>
</tr>
</tbody>
</table>

**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, 3980’s, 3981
- 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, 3980’s, 3981
- 3955 [Slap Hammer for Small OrthoVise™] for use with: 3975’s, 3985’s
- 3925 [Standard Slap Hammer] for use with: 3966’s
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]

Mongold Capsule Knife
Designed by Evie Mongold, MD
Designed to reach behind the femoral head to release the capsule ligament

PRODUCT NO:
4115
Overall Length: 7.75” (19.7 cm)
Blade Diameter: 2” (5.1 cm)
Blade Width: .5” (1.3 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
Extension Set for Anterior THR Tables
Designed by David Drt, MD

*Designed to add lift to the femoral hook at any point during an anterior THR case and be able to remove without breaking the sterile field*

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>8004-00 [Set of One Each]</td>
</tr>
<tr>
<td>Also available individually:</td>
</tr>
<tr>
<td>8004-S [Short Extension]</td>
</tr>
<tr>
<td>Extension Length: 2&quot; (5.1 cm)</td>
</tr>
<tr>
<td>Overall Length: 3.625&quot; (9.2 cm)</td>
</tr>
<tr>
<td>8004-L [Long Extension]</td>
</tr>
<tr>
<td>Extension Length: 3&quot; (7.7 cm)</td>
</tr>
<tr>
<td>Overall Length: 2.6&quot; (6.6 cm)</td>
</tr>
</tbody>
</table>

Cannulated Fracture Awl
Helps to reduce fractures without slipping off the bone, and cannulated to allow the placement of k-wire

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>8091</td>
</tr>
<tr>
<td>Overall Length: 8&quot; (20.3 cm)</td>
</tr>
<tr>
<td>Handle Length: 3.3&quot; (8.4 cm)</td>
</tr>
<tr>
<td>Cannula fits wire up to: .062&quot; (1.6 mm)</td>
</tr>
</tbody>
</table>

Nordt Precision Micro Fracture Set
Designed by William E. Nordt, III, MD

*Helps create sharp cartilage shoulders*  
*Precise microfracture points*

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>8025-00 [Complete Set]</td>
</tr>
<tr>
<td>Also available individually:</td>
</tr>
<tr>
<td>8025-01 [20° Bent Awl]</td>
</tr>
<tr>
<td>Overall Length: 10&quot; (25.4 cm)</td>
</tr>
<tr>
<td>8025-02 [40° Bent Awl]</td>
</tr>
<tr>
<td>Overall Length: 10&quot; (25.4 cm)</td>
</tr>
<tr>
<td>8025-03 [Angled Osteotome]</td>
</tr>
<tr>
<td>Overall Length: 10.625&quot; (27.0 cm)</td>
</tr>
<tr>
<td>8025-04 [Bent Stirrup Scraper]</td>
</tr>
<tr>
<td>Overall Length: 10.125&quot; (25.7 cm)</td>
</tr>
<tr>
<td>8025-05 [Tri-Tip Awl]</td>
</tr>
<tr>
<td>Overall Length: 10&quot; (25.4 cm)</td>
</tr>
<tr>
<td>8025-CASE [Case]</td>
</tr>
</tbody>
</table>

Ultra hard titanium nitride coating helps to extend life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion.
**DMP Wire Tightener**

Used to hand tighten a cerclage wire around a bone

**Whelan Double-Ended Suture Wire Passer**

Passer guide and malleable passer designed to pass suture wires around a bone

The passer guide is placed around the bone, and the thin malleable passer is inserted at the handle end and follows the grooved passer around. The suture wire (up to 18 gauge) is attached to the keyholed end of the passer, which can then be reversed out of the passer, which can then be reversed out of the passer, drawing the suture wire around the bone.

**Incavo Wire Passer**

Designed to pass multiple cerclage wires around a bone during a multiple wire wrap procedure

**PRODUCT NO:**

- **8729**
  - Overall Length: 4.5” (11.4 cm)
  - Handle Width: 2.625” (6.7 cm)
  - End Diameter: 15 mm

Designed by DMP

**PRODUCT NO’S:**

- **8300-00** [Set with Case]
- **8300-01** [Passer Guide]
- **8300-02** [Passer]
- **1025** [Sterilization Case]

**PRODUCT NO’S:**

- **8610-01** [Small]
  - Overall Length: 7.5” (19.1 cm)
  - Accepts Wire Up To: 4 mm (5/32”)
- **8610-02** [Large]
  - Overall Length: 8.675” (21.9 cm)
  - Accepts Wire Up To: 4 mm (5/32”)

**PRODUCT NO:**

**8729**

Overall Length: 4.5” (11.4 cm)
Handle Width: 2.625” (6.7 cm)
End Diameter: 15 mm

Designed by DMP

USA MADE

**Now with four wire holes — two for up to 20 gauge wires, and two for up to 18 gauge wires. T-Handle end is used to hand tighten a wire.**
Browner Wire Tightener
Designed by Bruce D. Browner, MD

Wire is passed through the distal arm hole and into the separate drum holes, and can then be tightened and rotated before being cut with a wire cutter

PRODUCT NO:
8251
Overall Length: 6” (15.2 cm)
Width: 3.75" (9.5 cm)
Wire Hole Diameters: .125" (3.2 mm)

Malleable Bone Tamp – Extra Small
Modified by Serge Kasza, MD & Amal Das, MD

Designed to help impact bone into acetabular cup holes

PRODUCT NO:
5296-02 [Extra Small]
Overall Length: 11.4" (29 cm)
Shaft Length: 5.9" (15 cm)
Impactor Diameter: 6.5 mm

Clear Vision Debris Shield
Designed by R. Barry Sorrells, MD

Provides a degree of restriction from flying debris or liquid during surgery

Held between the surgical site and the operating personnel, the shield provides a clear undistorted view, while helping to protect the patient and personnel from possible contamination. The reamer-slotted version allows the shield to straddle a reamer shaft or drill bit, allowing the shield to be closer to the incision. The shield is autoclavable and gas sterilizable in a flat position.

PRODUCT NO’S:
Dimensions: 8" x 10.25" (20.3 cm x 26 cm) (not incl. handle)
8031-01 [Without Reamer Slot]
8033-01 [With Reamer Slot]
Large Bone Clamp with Plate Protection

Designed to help hold a bone/bone plate in position for reduction—the one-side coated jaw helps to protect from marring the bone plate.

**PRODUCT NO's:**

- **3659-L [Left]**  
  Overall Length: 9.125 (23.2 cm)
  Jaw Width: 5" (12.7 mm)
  Hole Diameter for Schantz Pin Up To: .25" (6.3 mm)

- **3659-R [Right]**
  Overall Length: 9.125 (23.2 cm)

Periarticular Reduction Forceps

Designed for reduction of intraarticular and periarticular fractures

Pointed ball tips help provide a secure hold in the bone despite minimal contact. Two sizes available.

**PRODUCT NO's:**

- **1856-01 [Small]**
  Jaw Height @ Tips Parallel: 3.375" (8.6 cm)
  Jaw Width @ Tips Parallel: 7.25" (18.4 cm)
  Maximum Jaw Opening @ Tips: 3.1" (7.9 cm)
  Overall Length: 11" (27.95 cm)

- **1856 [Medium]**
  Jaw Height @ Tips Parallel: 4.75" (12.1 cm)
  Jaw Width @ Tips Parallel: 10.5" (26.7 cm)
  Maximum Jaw Opening @ Tips: 5.2" (13.2 cm)
  Overall Length: 14.75" (37.5 cm)

- **1857 [Large]**
  Jaw Height @ Tips Parallel: 6.25" (15.9 cm)
  Jaw Width @ Tips Parallel: 12" (30.5 cm)
  Maximum Jaw Opening @ Tips: 8" (20.3 cm)
  Overall Length: 16" (40.7 cm)

Wetzel Acetabular Fragment Clamp

Designed by Robert Wetzel, MD & Todd O. McKinley, MD

Designed to help increase the ability to control and manipulate an acetabular fragment during Periacetabular Osteotomy (PAO) surgery for hip dysplasia

The cannulated center hinge allows a 5 to 6 mm Schantz pin (not included) to be used in conjunction with the clamp—providing a unified pin-and-clamp together that is stronger than each separately and offers enhanced fragment control.

**PRODUCT NO:**

- **3648**
  Overall Length: 11.5" (29.2 cm)
  Jaw Opens to: 1.375" (3.5 cm)
  Jaw Length: 2.5" (6.4 cm)
  Jaw Width: .5" (12.7 mm)
  Hole Diameter for Schantz Pin Up To: .25" (6.3 mm)
Subtrochanteric Femur Fracture Reduction Clamp
Designed by David Beard, MD
Contour design helps clamp a subtrochanteric or femoral shaft fracture treated with current generation femoral IM rodding systems using external aiming arms/targeting devices

PRODUCT NO:
3850
Overall Length: 12.875" (32.7 cm)
Handle Length: 7.5" (19.1 cm)
Jaw Length: 5.25" (13.3 cm)
Jaw Width: .25 (6.3 mm)

Cannestra Trochanteric Fracture Reduction Clamp
Designed by Vince Cannestra, MD
Designed to help reduce comminuted intertrochanteric and subtrochanteric hip fractures, this clamp is offset at its ends to avoid placement into the fracture bed
Clamping ends are curved and rotated to allow maximum bony contact upon fracture reduction. Ideal for fractures with a flexed anterior cortical spike. Made for right and left hip fracture configurations.

PRODUCT NO'S:
3860-L [Left]
Overall Length: 11.25" (28.6 cm)
3860-R [Right]
Overall Length: 11.25" (28.6 cm)

Bone Clamp with Speed Lock
Designed to help hold a bone in position for reduction

PRODUCT NO:
3659
Overall Length: 9.125 (23.2 cm)
Browner MIS Bone Clamp
Designed by Bruce D. Browner, MD
Designed to help hold a bone or bone plate for fixation, the clamp is inserted anterior to the bone, rotated to wrap around the bone, then screwed into the desired position
Sized to allow use on a femur, tibia or humerus.

Stoll Bone Plate Clamp
Designed by Jordan Stoll, MD
Designed to help hold a bone or bone plate in position for reduction and fixation

Chen Diaphyseal Fracture Reduction Clamp
Designed by Franklin Chen, MD
Designed to facilitate and maintain reduction of the internal fixation of diaphyseal and meta-diaphyseal fractures of long bones
Works especially well with short oblique bones while providing room to implement the plate with this bone clamp still in place.
- Pivoting pads accommodate metaphyseal fractures
- The quick release enables adjustment without losing reduction
- Helps provide provisional reduction of diaphyseal fractures – humeral shaft fractures, tibial fractures
**Radiation Attenuating Surgical Gloves**

*Powder-free gloves provide increased protection from direct x-ray beam and scattered radiation*

**Reduced Exposure**
Lead-free, surgical gloves attenuate direct or scattered rays and are an environmentally friendly alternative to leaded gloves.

**Freedom of Movement**
Gloves are very thin—ONLY 0.007” thick—to allow the greatest possible flexibility, dexterity, and sensitivity of touch while decreasing finger fatigue.

**Natural Latex Free & Powder-Free**
Reduced risk of natural rubber latex allergies.

**Quality Guaranteed**
All gloves are 100% tested for pin holes and leaks.

**Applications**
Fluoroscopy, Orthopedics, Radiometate Handling, Cardiology, Radiology, Dental, Nuclear Medicine

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**Average Radiation Attenuation Levels Measured in the Direct Beam**

<table>
<thead>
<tr>
<th>Beam Quality</th>
<th>Aluminum Half Value Layer</th>
<th>Measured Attenuation</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 kVp</td>
<td>HVL = 2.3 mm</td>
<td>58.7%</td>
</tr>
<tr>
<td>80 kVp</td>
<td>HVL = 3.3 mm</td>
<td>49.9%</td>
</tr>
<tr>
<td>100 kVp</td>
<td>HVL = 4.3 mm</td>
<td>44.6%</td>
</tr>
<tr>
<td>120 kVp</td>
<td>HVL = 5.6 mm</td>
<td>40.6%</td>
</tr>
</tbody>
</table>

*NOTE: Double gloving with conventional latex surgical gloves provides only 1% attenuation. Levels are measured by a fixed filter equivalent: 2.5 mm Al*

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**Fracture Reduction Punch Clamp**
Designed by Jong-Keon Oh, MD

*Designed for use in select cases when vertical (or sagittal) plane clamping is necessary during forearm reduction, humeral fracture reduction, or diaphyseal reduction of tibial shaft*

**PRODUCT NO:** 5072
- **Overall Length:** 10.5” (26.7 cm)
- **Point to Point Opening:**
  - Minimum: .375” (10 mm)
  - Maximum: 1.375” (35 mm)
- **Pin Diameter:** .125” (3.2 mm)

**Sumko Surgical Finger Guide**
Designed by Michael H. Sumko, MD

*Used to help insert a 3.2 mm guide wire, especially during hip fracture surgery, to help prevent puncturing the surgeon’s glove*

The entry point for a trochanteric nail can be located through a smaller incision with this device, with reduced risk of penetrating the surgeon’s glove while finding the starting point for the guide wire.

**PRODUCT NO:** 8991
- **Overall Length:** 4” (10.2 cm)

---

1.800.548.2362  APRIL 2020  HIP ARTHROPLASTY INSTRUMENTS
**Easy Grip Textured Soft Silicone Handles**

- 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.

**Product Details:**
- **7820** [2 lbs. Standard]
  - **Product No:** 7820
  - **Weight:** 2 lbs. (907 g)
  - **Overall Length:** 10.5" (26.7 cm)
  - **Handle Length:** 5" (12.7 cm)
  - **Head Diameter:** 3.5" (8.9 cm)
- **7821** [2 lbs. w/Weidman Handle]
  - **Product No:** 7821
  - **Weight:** 2 lbs. (907 g)
  - **Overall Length:** 10.625" (27 cm)
  - **Grip Length:** 5.5" (14 cm)
  - **Head Diameter:** 3.75" (9.5 cm)
- **7832** [2 lbs. With Delrin End]
  - **Product No:** 7832
  - **Weight:** 2 lbs. (907 g)
  - **Overall Length:** 10.5" (26.7 cm)
  - **Head Diameter:** 3.5" (8.9 cm)

### Ortho Mallets with Easy Grip Handles

- **These solid stainless steel mallets each have a comfortable 4½” grip made of a textured silicone that helps prevent the surgeon’s gloved hand from slipping and helps maintain a solid grip.**

**Product Details:**
- **7810** [Small]
  - **Product No:** 7810
  - **Weight:** 3 lbs. (1.35 kg)
  - **Overall Length:** 8" (20.3 cm)
  - **Handle Length:** 4.5" (11.4 cm)
  - **Head Diameter:** 1.375" (3.5 cm)
- **7815** [Large]
  - **Product No:** 7815
  - **Weight:** 3 lbs. (1.35 kg)
  - **Overall Length:** 8" (20.3 cm)
  - **Handle Length:** 4.5" (11.4 cm)

### Jones Mallet

- **Designed by Dickie Jones, MD**
- **Unique hand fitting shape provides superior gripping strength**
- This striking instrument has a unique hand fitting shape that provides superior gripping strength for accurate light to heavy impaction.

**Product Details:**
- **7832** [2 lbs. With Delrin End]
  - **Product No:** 7832
  - **Weight:** 2 lbs. (907 g)
  - **Overall Length:** 10.5" (26.7 cm)
  - **Handle Length:** 5" (12.7 cm)
  - **Head Diameter:** 3.5" (8.9 cm)

### Aluminum Tapered Maul/Mallet

- **The large surface area allows the surgeon to focus on the action area of the instrument being struck, instead of making sure the mallet will strike the end of the instrument, much like a sculptor’s mallet**

**Product Details:**
- **7825** [2.4 lbs]
  - **Product No:** 7825
  - **Overall Length:** 9.25" (23.5 cm)
  - **Head Diameter:** 3" (7.6 cm)

---

**Replacement Delrin Heads**

- **7832-HEAD01** [.5” Stud]
  - **Single**
- **7832-HEAD02** [.5” Stud]
  - **3-Pack**
- **7832-HEAD03** [.875” Stud]
  - **Single**
- **7832-HEAD04** [.875” Stud]
  - **3-Pack**
Bone Hooks
Designed by R.L. Wixson, MD

**PRODUCT NO'S:**

- **5910 [Small]**
  - Curve Diameter: 25 mm
  - Overall Length: 12.75” (32.4 cm)
  - Handle Length: 4.75” (12.1 cm)

- **5915 [Medium]**
  - Curve Diameter: 35 mm
  - Overall Length: 12.75” (32.4 cm)
  - Handle Length: 4.75” (12.1 cm)

- **5920 [Large]**
  - Curve Diameter: 50 mm
  - Overall Length: 12.75” (32.4 cm)
  - Handle Length: 4.75” (12.1 cm)

- **5920-01 [Large w/ Cable/Wire Hole]**
  - Designed by R.L. Wixson, MD & J. McCarthy, MD
  - Curve Diameter: 50 mm
  - Overall Length: 12.75” (32.4 cm)
  - Handle Length: 4.75” (12.1 cm)

Sarraf Coated Hip Dislocation Hook
Designed by Khaled M. Sarraf, MD

*Designed to aid in dislocating a femoral stem while helping to prevent damage to the trunion*

- Coated hook end helps to prevent from marring component surfaces.
- Can also be used as a bone hook, and for femoral elevation.

**PRODUCT NO:**

- **5905**
  - Curve Diameter: 50 mm
  - Overall Length: 12.5” (31.8 cm)
  - Handle Length: 4.75” (12.1 cm)

Lombardi Bone Hooks
Designed by Adolph V. Lombardi, MD

**PRODUCT NO'S:**

- **5925 [Small]**
  - Curve Diameter: 25 mm
  - Overall Length: 10” (25.4 cm)

- **5930 [Medium]**
  - Curve Diameter: 35 mm
  - Overall Length: 10” (25.4 cm)

- **5935 [Large]**
  - Curve Diameter: 55 mm
  - Overall Length: 10” (25.4 cm)
Sarraf Cement Trimmer
Designed by Khaled M. Sarraf, MD
Two-in-one instrument designed for cement removal during arthroplasty surgery

- The curved semicircular tip is congruent to most tibial plates and femoral condylar implants, helping to facilitate removal of excess cement, especially at the tight posterior aspect.
- The small scoop-end tip assists in excising unset cement.
- Ultra hard titanium nitride coating helps to extend curette life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion, while helping to eliminate metal transfer and protect the implant surface.

Sarraf Spearhead Cement Exciser
Designed by Khaled M. Sarraf, MD
Two-in-one instrument designed for cement removal during arthroplasty surgery

- The curved semicircular tip is congruent to most tibial plates and femoral condylar implants, helping to facilitate removal of excess cement, especially at the tight posterior aspect.
- The spearhead tip assists in excising and shaping the unset cement.
- Ultra hard titanium nitride coating helps to extend curette life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion, while helping to eliminate metal transfer and protect the implant surface.

Cement Packer & Trimmer
Designed by Harlan C. Amstutz, MD

- The curved semicircular tip is congruent to most tibial plates and femoral condylar implants, helping to facilitate removal of excess cement, especially at the tight posterior aspect.
- The spearhead tip assists in excising and shaping the unset cement.
- Ultra hard titanium nitride coating helps to extend curette life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion, while helping to eliminate metal transfer and protect the implant surface.
**Robb Cement Curette**  
Designed by William Robb, MD  
*Designed to help remove cement around a hip or knee prosthesis*

**Sarraf TiN Coated Cement Removal Forceps**  
Designed by Khaled M. Sarraf, MD  
*Made exclusively for Innomed in Germany*

**Bozeman Cement Trimmer**  
Designed by Daniel M. Gannon, MD  
The tool has a blunt blade tip on one end to help with separation of the trimmed cement. The angled curette end helps gather the trimmed cement. The thin shank and angled curette can reach into tight spaces such as the back of the implants to remove excess cement. The ends are titanium nitride coated to help eliminate metal transfer.

**Seachris Delrin Cement Scraper**  
Designed by Timothy Seachris  
*Reusable delrin scraper is designed to help remove cement around a knee or hip prosthesis*
**Cobb Elevators**

*Two Sizes Available With or Without Teeth*

Ultra hard titanium nitride coating helps to extend blade life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion.

**PRODUCT NO’S:**

- **WITH TEETH**
  - 3432 [1/2” with Teeth]
    - Overall Length: 11” (27.9 cm)
    - Blade Width: 1/2” (13 mm)
  - 3434 [1” with Teeth]
    - Overall Length: 11” (27.9 cm)
    - Blade Width: 1” (25.4 mm)

- **WITHOUT TEETH**
  - 3436 [1/2” without Teeth]
    - Overall Length: 11” (27.9 cm)
    - Blade Width: 1/2” (13 mm)
  - 3438 [1” without Teeth]
    - Overall Length: 11” (27.9 cm)
    - Blade Width: 1” (25.4 mm)

**Gelbke Cobb Elevator with Suction**

*Designed by Martin K. Gelbke, MD*

Designed to be used during exposure of the posterior spine, as well as for pelvic and acetabular trauma cases.

**PRODUCT NO:**

- 3433
  - Overall Length: 12.75” (32.4 cm)
  - Cobb End Width: 18 mm (.7”)
  - Shaft plus Head Length: 5.5” (14 cm)

**Bradley Periosteal Elevator**

*Designed by Gary W. Bradley, MD*

Ultra hard titanium nitride coating helps to extend blade life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion.

**PRODUCT NO’S:**

- **WITH TEETH**
  - 34719 [1/2”]
    - Overall Length: 11” (27.9 cm)
    - Blade Width: .5” (13 mm)
  - 34720 [3/4”]
    - Overall Length: 11” (27.9 cm)
    - Blade Width: .75” (19 mm)

**Periosteal Elevator**

*Designed for better control*

Designed with a curved end for easier use, and sharper sides for ease of elevating and stripping. The handle is designed for better control.
**Ortho Suction Tube**

Designed by T. Eickmann, MD

*Very effective for suction and minor retracting*

Helps eliminate plugging due to bone, cement fragments, blood clots, etc.

**PRODUCT NO:**

5465

- **Overall Length:** 9.25" (23.5 cm)
- **End Hole Dia.:** 1 mm
- **Side Hole Dia.:** 1.5 mm

---

**Incision Aligner**

Designed by DMP

*Designed to align an incision during closing*

The bent ends of the aligner are placed at each end of an incision, which is aligned by pulling outward on each end. The sliding end will lock in place when it is tensioned. Pressing inward slightly on the sliding end will allow the aligner to be collapsed and removed.

**PRODUCT NO:**

1330

- **Overall Length:** 14" (35.6 cm)
- **Blade Offset:** 45 mm

---

**Beicker Curette Suction Device**

Designed by Clint Beicker, MD

*Designed to help visualization of a fracture site within a fracture hematoma*

Also useful for arthroscopic curettage of osteochondral lesions.

**PRODUCT NO:**

4231

- **Overall Length:** 10.5" (26.7 cm)
- **Curette Cup:** 7.5 mm x 5.5 mm

---

**Lighted Yankaur Suction Device**

Designed by Adolph V. Lombardi Jr., MD

*Designed to help provide effective suction with the addition of a light source for enhanced visualization*

- Comes with one (1) Disposable LED Light Source (#8010-01)
- Can also be attached to a fiber optic light cable with ACMI (female) connector
- Entire device is steam sterilizable

**PRODUCT NO:**

8016-L-01

- **Overall Length:** 11.75" (29.8 cm)
- **Handle Length:** 3.93" (10 cm)
- **Handle Width:** .86" (2.2 cm)
- **Suction Tube Diameter:** .25" (6.35 mm)

**PRODUCT NO’S:**

- **PACKAGE OF 1:**
  - 8010-01  [Disposable LED Light Source]
    - **Overall Length:** 2.5" (6.4 cm)
    - **Diameter:** 1" (2.54 cm)
  - **PACKAGE OF 10:**
    - 8010-10  [Disposable LED Light Source]
Extra length—3” more than standard—allows for use in deep wound areas

PRODUCT NO:
5040
Overall Length: 10” (25.4 cm)

Stanton Needle Driver
Designed by John L. Stanton, MD, FACS

Allows a heavy cutting needle such as an OS-6 to be pushed through cancellous bone when re-attaching muscle or tendon

The groove captures the outer (convex) side of the needle and prevents the needle from spinning even when applying significant pressure. Useful for reattaching the rotator cuff in rotator cuff repairs, as well as in attaching suture anchors.

PRODUCT NO:
3042
Overall Length: 6.75” (17.1 cm)
Jaw Width: .25” (6.3 mm)

Long Bonney Tissue Forceps
Extra length—3” more than standard—allows for use in deep wound areas

PRODUCT NO:
5040
Overall Length: 10” (25.4 cm)

Adson Forceps with Cobb Elevator End
Designed by Oscar Castro-Aragon, MD

Has the advantages of having a Cobb tip at the end of an Adson forceps

Allows the opportunity to do soft tissue dissection, cleaning of the bone or bone fragments in a fracture, push bone fragments to hold a reduction in a fracture, separate soft tissue, and turn it around to pick up tissue without having to switch instruments back and forth.

PRODUCT NO:
1166
Overall Length: 4.75” (12.1 cm)
Tip Width: 2.4 mm (2.4 mm)
Charnley Type Tissue Needle Forceps
Designed by Amal Das Jr., MD

Helpful for wound closure in deep areas with fascia under tension such as hip or knee replacement
Can also help retrieve a needle in a tight area.

Orthopedic Needle Holder/Scissors
Drive a needle and cut a suture without changing instruments

Rogozinski Locking Needle Driver/Scissors
Designed by Chaim Rogozinski, MD

Designed with a quick lock & release handle, can drive a needle and cut a suture without changing instruments

Sweed Dissecting Scissors
Designed by Tamer Sweed, FRCS (Orth)

Designed with a blunt, flat bar fixed to the lower limb, the scissors also act as a dissector to protect underlying vital structures

PRODUCT NO'S:

<table>
<thead>
<tr>
<th>Standard Tips</th>
<th>Overall Length</th>
<th>Tungsten Carbide Tips</th>
<th>Overall Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>3050 5.5&quot; (14 cm)</td>
<td>3055 5.5&quot; (14 cm)</td>
<td>3045 4.9&quot; (12.4 cm)</td>
<td>3075 7.0&quot; (17.8 cm)</td>
</tr>
<tr>
<td>3060 6.5&quot; (16.5 cm)</td>
<td>3065 6.5&quot; (16.5 cm)</td>
<td>3050 5.5&quot; (14 cm)</td>
<td>3070 7.0&quot; (17.8 cm)</td>
</tr>
<tr>
<td>3070 7.0&quot; (17.8 cm)</td>
<td>3075 7.0&quot; (17.8 cm)</td>
<td>3060 6.5&quot; (16.5 cm)</td>
<td>3083 6.5&quot; (16.5 cm)</td>
</tr>
</tbody>
</table>

PRODUCT NO: 3081
Overall Length: 6.625" (16.8 cm)
Bottom Pad: 16 mm x 6 mm
Pad Extension Beyond Scissor: 6 mm

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

1.800.548.2362
APRIL 2020
HIP ARTHROPLASTY INSTRUMENTS
Star Bit Driver Set
Helpful during revision total joint surgery. Set consists of four star bits — T10, T15, T20, & T25, a handle which accommodates any of the above bits, and a sterilization case. The drive end (A/O) is designed for easy and quick engagement with the universal instrument handle. The ergonomic, modular handle has two connection points, allowing for both straight and T-handle orientations.

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

PRODUCT NO’S:
5194-00 [4 Star Bits w/Handle & Case]
5194-01 [4 Star Bits w/Case only]
S0113 [Universal 4” (10,2 cm) Handle]
5194-10 [T10 with A/O End]
5194-15 [T15 with A/O End]
5194-20 [T20 with A/O End]
5194-25 [T25 with A/O End]
9003 [Case]

Also sold individually:

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

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Product No</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5195-00</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>Medium Star: #10 &amp; #15</td>
</tr>
<tr>
<td>5195-07</td>
<td>Large Star: #20 &amp; #25</td>
</tr>
<tr>
<td>5195-08</td>
<td>Small Star: #6 &amp; #8</td>
</tr>
</tbody>
</table>

Torx/Hex Adapter Set
Designed by Stephen M. Walsh, MD

Designed for conversion of a 3.5 mm screwdriver

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

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Product 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] Overall Length: 6” (1,54 cm)</td>
</tr>
<tr>
<td>8003-02</td>
<td>[Hex Bit to Torx Driver Adapter] Overall Length: 6” (1,54 cm)</td>
</tr>
</tbody>
</table>

Torx Bit to Hex Driver Adapter

Hex Bit to Torx Driver Adapter

Star Bit Driver Set
Helpful during revision total joint surgery. Set consists of four star bits — T10, T15, T20, & T25, a handle which accommodates any of the above bits, and a sterilization case. The drive end (A/O) is designed for easy and quick engagement with the universal instrument handle. The ergonomic, modular handle has two connection points, allowing for both straight and T-handle orientations.

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<td>[4 Star Bits w/Handle &amp; Case]</td>
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<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>
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<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>
Large T-Handle
Fixed Drivers

Large easy grip soft silicone handled drivers help provide a sturdy non-slip grip.
The two standard Quick-connect models release by pulling the collar backward, while the Reverse Quick-connect model is designed to have the collar be pushed forward for release.

Zimmer Hall Quick-connect
Zimmer Hall Reverse Quick-connect
Hudson Quick-connect

PRODUCT NO'S:

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Overall Length – Closed: 5.25&quot; (13.3 cm)</th>
<th>Overall Length – Open: 7.5&quot; (19.1 cm)</th>
<th>Height: 5&quot; (12.7 cm)</th>
<th>Syringe Diameter: 21 mm</th>
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</thead>
<tbody>
<tr>
<td>8248</td>
<td>[Zimmer Hall Quick-connect]</td>
<td>Overall Length: 5.75&quot; (15.6 cm)</td>
<td>Handle Width: 4.625&quot; (11.6 cm)</td>
<td></td>
</tr>
<tr>
<td>8248-01</td>
<td>[Reverse Quick-connect Zimmer Hall]</td>
<td>Overall Length: 5.75&quot; (15.6 cm)</td>
<td>Handle Width: 4.625&quot; (11.6 cm)</td>
<td></td>
</tr>
<tr>
<td>8249</td>
<td>[Hudson Quick-connect]</td>
<td>Overall Length: 6.75&quot; (17.1 cm)</td>
<td>Overall Length with Pin In Handle: 11.5&quot; (29.2 cm)</td>
<td></td>
</tr>
</tbody>
</table>

Large Handle Chuck Key

For easy tightening/untightening of a chuck.
Designed to allow a chuck to be tightened and untightened easily.

 PRODUCT NO: 5517-01

- Chuck Size: 1/4" (6.4 mm)
- Overall Length: 10.5" (26.7 cm)
- Handle Length: 4.5" (11.4 cm)

Gray Syringe Assist with Ergonomic Handle

Designed by Robert Gray, MD

For use in the O.R or the office, the design helps to prevent hand fatigue and pain when injecting with a 20mL syringe over multiple cases.

- Sterilizable for O.R use, such as injecting the posterior capsule during TKA
- Especially useful for injecting preoperative local anesthesia for WALANT surgery
- Uses finger flexors to generate more force over more surface area than only the thumb flexor
- Ratchet mechanism ensures maximal grip force generation throughout entire injection

PRODUCT NO: 8988

<table>
<thead>
<tr>
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<td>Syringe Diameter: 21 mm</td>
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</tbody>
</table>

White Aspiration Handle

Designed by Edward White, MD

Designed for aspiration of cavities or spaces that have greater than 20 ml volume, such as joints, bone marrow, and the iliac crest.

Works with a 60 ml syringe (not included) only.

PRODUCT NO: 1131

- Height: 5" (12.7 cm)
- Length: 6.5" (16.5 cm) / Extends to 11" (27.9 cm)
- Width at Syringe Holder: 1." (3.8 cm)
- Body Width: .5" (1.3 cm)
Free Trial on Most Instruments

Instruments are available for a no-charge two-week evaluation — includes FREE UPS Ground Shipping*

*When shipped to a hospital or medical center; additional charge applies for expedited shipping.
Free trial offer excludes implant extraction instruments, which are available as rentals. There is a pad replacement charge with the hip positioners.

Extension Set for Anterior THR Tables

Designed by David Ott, MD

*Designed to add lift to the femoral hook at any point during an anterior THR case and be able to remove without breaking the sterile field

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8004-00</td>
<td>(Set of One Each)</td>
<td></td>
</tr>
<tr>
<td>Also available individually:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8004-S</td>
<td>[Short Extension]</td>
<td>Extension Length: 2” (5.1 cm)</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 3.625” (9.2 cm)</td>
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</tr>
<tr>
<td>8004-L</td>
<td>[Long Extension]</td>
<td>Extension Length: 3” (7.7 cm)</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 2.6” (6.6 cm)</td>
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</tbody>
</table>