What’s New In This Catalog?

a snapshot of all the **New!** instruments within

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- Whelan Large Anterior Hip Weitlaner Retractor
  Page 21
- 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 farthest 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:
Anterior Watson Jones
Total Hip Arthroplasty System

Instrument system specifically designed for Direct Anterior approach THR

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Item Description</th>
<th>Overall Length</th>
<th>Handle Length</th>
<th>Blade Width</th>
<th>Blade Tip Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>6300-00</td>
<td>Complete Set</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6301-L</td>
<td>Awl – Left</td>
<td>12.375 in (31.5 cm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6301-R</td>
<td>Awl – Right</td>
<td>12.375 in (31.5 cm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6302-01</td>
<td>Lighted Mueller Retractor</td>
<td>12.75 in (32.4 cm)</td>
<td></td>
<td>27 mm</td>
<td>17 mm</td>
</tr>
<tr>
<td>6303-01</td>
<td>Wide Lighted Retractor</td>
<td>12.75 in (32.4 cm)</td>
<td></td>
<td>40 mm</td>
<td>17 mm</td>
</tr>
<tr>
<td>6304-01</td>
<td>Narrow Lighted Retractor</td>
<td>16.5 in (41.9 cm)</td>
<td></td>
<td>26 mm</td>
<td>23 mm</td>
</tr>
<tr>
<td>6305</td>
<td>90° Cobra Retractor</td>
<td>12.5 in (31.8 cm)</td>
<td>9.5 in (24.1 cm)</td>
<td>37 mm</td>
<td></td>
</tr>
<tr>
<td>6306</td>
<td>Deep Hohmann Retractor</td>
<td>9.25 in (23.5 cm)</td>
<td></td>
<td>17 mm</td>
<td>34 mm</td>
</tr>
<tr>
<td>6307</td>
<td>Straight Hohmann Retractor</td>
<td>9.5 in (24.1 cm)</td>
<td></td>
<td>17 mm</td>
<td>34 mm</td>
</tr>
<tr>
<td>6308</td>
<td>Femoral Starter Drill</td>
<td>6 in (15.2 cm)</td>
<td></td>
<td>18 mm Long X 12 mm Diameter</td>
<td>5.25 in (13.3 cm)</td>
</tr>
</tbody>
</table>

Lighted retractors attach to a fiber optic light cable with ACMI (female) connector and can be steam sterilized.

Optional quick-connect driver (NOT INCLUDED IN RETRACTOR SET) for use with the starter drill:

**PRODUCT NO:**

8248 [Fixed Driver with Zimmer Hall Quick-connect]
Overall Length: 5.25 in (13.3 cm)
Handle Width: 4.625 in (11.6 cm)
Wixson Anterior Suspension Hook System

Designed by Richard L. Wixson, MD

Designed for use with a standard operating room table, helps to facilitate elevation of the proximal femur during direct anterior approach THR

The system consists of:

1) A **rotating clamp** that can be attached to the operating table side rails over the drapes.
2) A **vertical bar** that fits into the clamp and comes above the side of the table.
3) A **horizontal attachment** that fits over the vertical bar and can swing over the wound.
4) A threaded **tightening rod** that inserts through a slot in the arm of the horizontal attachment and can be used to bring up the proximal femur.
5) A large **offset femoral hook** that can be placed above the lesser trochanter and around the posterior femoral neck and trochanter base. The handle of the hook has a chain to attach to the threaded tightening rod coming through the horizontal arm.

Used for femoral preparation after the acetabular component has been implanted

**PRODUCT NO:**
- 6245-00 [Complete Unit]
- 6245-01 [Horizontal Attachment]
- 6245-02 [Tightening Rod]
- 6245-03 [Vertical Bar]
- 6245-04 [T-handle Bolt]
- 6245-05 [Offset Femoral Hook]
- 9125 [Rotating Table Clamp]

[Complete unit includes: Tightening rod, horizontal attachment, vertical bar, T-handle bolt, offset femoral hook, and rotating table clamp]

WWW.INNOMED.NET FREE TRIAL ON MOST INSTRUMENTS
**Designed to retract and protect the femur while preparing the acetabulum for reaming during antero-lateral approach total hip surgery**

**Sinha Retractor for Acetabular Reaming**

Design modification by Ajoy K. Sinha, MD

**POSTERIOR APPROACH:** Placed over the anterior acetabular wall for supero-anterior translation of the femoral head and neck during acetabular preparation. The prong(s) pierce the capsule over the anterior wall, then the curve and “twist” of the retractor allows for gentle retraction on the femoral neck.

**ANTERIOR APPROACH:** Placed inferior to the trans-acetabular ligament during exposure and preparation of the acetabular component. The curve and “twist” of the retractor allow for gentle retraction of the medial and inferior soft tissues and skin. Helps provide easier retraction for the assistant on the other side of the operating table.

**Flared Cobra Retractors**

Designed by Henry Boucher, MD

Single prong design modification by Walter Fuehr, MD

Left and right retractors can be used with the anterior, posterior or lateral approach to help expose the acetabulum in total hip surgery.

**PRODUCT NO'S:**

- **6110-01** [Double Prong – Right]  
  Overall Length: 15” (38 cm)
- **6110-02** [Double Prong – Left]  
  Overall Length: 15” (38 cm)
- **6109-L** [Single Prong – Left]  
  Overall Length: 15” (38 cm)
- **6109-R** [Single Prong – Right]  
  Overall Length: 15” (38 cm)

**Sinha Retractor for Acetabular Reaming**

Design modification by Ajoy K. Sinha, MD

**Designed to retract and protect the femur while preparing the acetabulum for reaming during antero-lateral approach total hip surgery**

After the femur is prepared and the broach has been placed, the Sinha retractor is placed on the infero-lateral aspect of the acetabulum with the neck of the broach projecting through the large hole in the retractor blade. This serves to displace the femur posteriorly and to help protect the greater trochanter while acetabular reaming is conducted.
Unger Anterior Total Hip Instruments
Universal instrument system specifically designed for Direct Anterior approach THR

Designed by Anthony Unger, MD

PRODUCT NO’S:

3001  [Unger Wide Hohmann—Single Prong]
   Blade Width: 44 mm
   Blade Depth: 5” (12.7 cm)
   Overall Length: 13.5” (34.3 cm)

3008  [Unger Wide Hohmann—Double Prong]
   Blade Width: 44 mm
   Blade Depth: 5” (12.7 cm)
   Overall Length: 13.5” (34.3 cm)

3002  [Unger Narrow Hohmann]
   Blade Width: 34 mm
   Blade Depth: 4” (10.2 cm)
   Overall Length: 13” (33 cm)

3003  [Unger Blunt Narrow Cobra]
   Blade Width: 34 mm
   Blade Width at Tip: 12 mm
   Blade Depth: 5.25” (13.3 cm)
   Overall Length: 14.5” (36.9 cm)

3004  [Unger Canal Finder Rasp—Straight]
   Overall Length: 11” (27.9 cm)
   Handle Length: 5” (12.7 cm)

3004-01  [Unger Canal Finder Rasp—Curved]
   Overall Length: 11” (27.9 cm)
   Handle Length: 5” (12.7 cm)

3004-02  [Unger Canal Finder Rasp—Curved with Smooth Proximal]
   Overall Length: 11” (27.9 cm)
   Handle Length: 5” (12.7 cm)

3005-R  [Unger Box Osteotome—Right]
   Overall Length: 12” (30.5 cm)

3005-L  [Unger Box Osteotome—Left]
   Overall Length: 12” (30.5 cm)

3006  [Unger Femoral Neck Elevator]
   Blade Width at Widest: 25 mm
   Overall Length: 13” (33 cm)
   Handle Length: 9” (22.9 cm)

3007  [Unger Soft Tissue Protector]
   Blade Width: 50 mm
   Overall Length: 1.75” (4.4 cm)
   Handle Length: 10.125” (25.7 cm)

3009-R  [Unger Offset Narrow Hohmann—Right]
   Overall Depth: 4” (10.2 cm)
   Overall Length: 13” (33 cm)

3009-L  [Unger Offset Narrow Hohmann—Left]
   Overall Depth: 4” (10.2 cm)
   Overall Length: 13” (33 cm)

Optional Instruments:
3006-01  [Femoral Neck Elevator—Long Prong]
   Blade Width at Widest: 25 mm
   Overall Length: 13.4” (34 cm)
   Handle Length: 9” (22.9 cm)
Femoral Head and Acetabular Exposure

**Unger Wide Hohmann**
Placed around the femoral neck to expose the anterior hip capsule.

**Unger Narrow Hohmann**
A curved sharp hohmann retractor placed under the posterior acetabulum to depress the femur and expose the acetabulum.

**Unger Blunt Narrow Cobra**
A ventral cobra retractor placed over the anterior acetabulum wall to pull the Rectus Femoris anteriorly.

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Femoral Neck Exposure

**Unger Wide Hohmann**
Placed medial to the femoral neck to push the femur laterally, helping to expose the femur for implant broaching and insertion.

**Unger Femoral Neck Elevator**
A femur elevator designed to interact with the Unger Anterior Fulcrum to expose the femur. Placed behind the Greater Trochanter.

**Unger Soft Tissue Protector**
A unique device that protects the Tensor Fascia Lata and allows the femoral elevator to lever/push up the femur for femoral component broaching and placement.

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Dr. Unger’s surgical technique available on our website.

1.800.548.2362

November 2020

Anterior Hip Instruments
Das Anterior Total Hip Instruments

Designed by Amal Das, MD and Brian Seng, DO

Retractor set with included table-mounted controlled-release ratcheting elevator hook, specifically designed to help simplify anterior approach total hip arthroplasty

Surgical technique available on our website.

1. Posterior Femoral Neck Retractor #6221
2. Anterior Femoral Neck Retractor #6222
3. Anterior Acetabular Retractor #6223
4. Round Elevator Hook #6226-RH
5. Table Assembly #6226-TA
6. Femoral Calcar Retractor #6227
7. Greater Trochanter Retractor #6225

PRODUCT NO'S:

6221  [#1 - Posterior Femoral Neck Retractor]
   Blade Width: 25 mm
   Blade Depth: 3" (7.6 cm)
   Overall Length: 14" (35.6 cm)

6222  [#2 - Anterior Femoral Neck Retractor]
   Blade Width: 31.5 mm, 10 mm @ Tip
   Blade Depth: 4.5" (10.2 cm)
   Overall Length: 15" (38.1 cm)

6223  [#3 - Anterior Acetabular Retractor]
   Blade Width: 18 mm
   Blade Depth: 3.25" (8.3 cm)
   Overall Length: 10" (25.4 cm)

6226-TA [#4 - Table Assembly]
   This product number includes one 6226-RH Elevator Hook
   Folds to approx: 21" x 5" x 5" (53.4 cm x 12.7 cm x 12.7 cm)

6226-RH [#5 - Round Elevator Hook]
   Blade Depth from T-Handle: 7.5" (19.1 cm)
   Overall Length: 9.25" (23.5 cm)

6227  [#6 - Femoral Calcar Retractor]
   Blade Width: 25 mm
   Blade Depth: 2" (5.1 cm)
   Overall Length: 14.5" (36.9 cm)

6225  [#7 - Greater Trochanter Retractor]
   Blade Width: 25 mm
   Blade Depth: 1.5" (3.8 cm)
   Overall Length: 14.875" (37.8 cm)

Optional Instruments:

6226-EH [Flat Elevator Hook]
   Blade Depth from T-Handle: 7.5" (19.1 cm)
   Overall Length: 9.25" (23.5 cm)
**O’Reilly Dual Handle Direct Anterior Retractor**

- Designed by Michael P. O’Reilly, MD
- Can be used in MIS/Direct Anterior, Total Hip Arthroplasty, Posterior/Anterolateral THA, and Hemiarthroplasty.

**Product NO:** 9011
- Overall Length: 13.25" (33.7 cm)
- Blade Depth: 4.25" (10.8 cm)
- Blade Width: 1" (2.5 cm)

**Designed for use over the anterior pelvic rim during acetabular exposure in direct anterior THA, the dual handle design allows for use in both right and left hips, as well as easy exchange of the instrument between assistants.**

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**Whelan Narrow Hohmann Retractor**

- Designed by E. J. Whelan, III, MD
- **Retractor has a large gentle right angle curve with sharp tip, for retraction of structures anterior to the acetabulum in the anterior approach to total hip**
- Helps allow for visibility without undue pressure or traction on the femoral nerve or vessels.

**Product NO:** 7116
- Overall Length: 13.25" (33.7 cm)
- Depth from Bend: 4.5" (11.4 cm)
- Blade Width: 2.4 cm

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**APC Single Prong Hip Retractor**

- Designed by APC, Inc.
- **Used to help provide wide exposure of the acetabulum**
- Designed to be placed around the inferior-posterior edge of the acetabulum for wide exposure during total hip replacement. Modular weights can be used to help hold the retractor in place.

**Product NO:** 6420 (Single Prong)
- Overall Length: 14" (35.6 cm)
- Blade Width: 22 mm
**Modified Anterolateral Retractor Set**

*Designed for anterior MIS hip surgery*

**PRODUCT NO'S:**

<table>
<thead>
<tr>
<th>6161-00 (Retractor Set)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set includes: (2) 6162, (1) 6163, (1) 6164</td>
</tr>
</tbody>
</table>

**Also available individually:**

<table>
<thead>
<tr>
<th>6162 [Modified Deep Hohmann]</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2) included in set, (2) only with this product number</td>
</tr>
<tr>
<td>Overall Length: 14.5&quot; (36.9 cm)</td>
</tr>
<tr>
<td>Blade Width: 25 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6163 [Modified Small Hohmann]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length: 8.5&quot; (21.6 cm)</td>
</tr>
<tr>
<td>Blade Width: 18 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6164 [Modified Mueller]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length: 15.25&quot; (38.8 cm)</td>
</tr>
<tr>
<td>Blade Width: 25 mm</td>
</tr>
</tbody>
</table>

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**Duke Classic Inferior Retractors with Extra Grip Tip**

*An inferior acetabular retractor designed for total hip arthroplasty while prepping the acetabulum*

**PRODUCT NO'S:**

<table>
<thead>
<tr>
<th>7621-01 [Left]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length: 10.25&quot; (26 cm)</td>
</tr>
<tr>
<td>Handle Length: 5&quot; (12.7 cm)</td>
</tr>
<tr>
<td>Depth: 7.5&quot; (19.1 cm)</td>
</tr>
<tr>
<td>Blade Length: 2.75&quot; (7 cm)</td>
</tr>
<tr>
<td>Blade Width: 1.125&quot; (2.9 cm)</td>
</tr>
<tr>
<td>Prong Length: 1&quot; (2.5 cm)</td>
</tr>
<tr>
<td>Prong Width: 6 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7621-02 [Right]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length: 10.25&quot; (26 cm)</td>
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<tr>
<td>Handle Length: 5&quot; (12.7 cm)</td>
</tr>
<tr>
<td>Depth: 7.5&quot; (19.1 cm)</td>
</tr>
<tr>
<td>Blade Length: 2.75&quot; (7 cm)</td>
</tr>
<tr>
<td>Blade Width: 1.125&quot; (2.9 cm)</td>
</tr>
<tr>
<td>Prong Length: 1&quot; (2.5 cm)</td>
</tr>
<tr>
<td>Prong Width: 6 mm</td>
</tr>
</tbody>
</table>

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**Jeffers Hip Retractor**

*Designed by Andrew Jeffers, MD*

*For use during the anterior approach, this retractor is designed to help protect the TFL from laceration during acetabular preparation in addition to maximizing exposure*  

*Used with or without a weight, it is placed over the TFL and vastus lateralis and under the femur. The broad surface helps to gently retract the TFL and vastus away from the reamer path.*

**PRODUCT NO:**

<table>
<thead>
<tr>
<th>6384</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length: 9.5&quot; (24.1 cm)</td>
</tr>
<tr>
<td>Depth: 6.5&quot; (16.5 cm)</td>
</tr>
<tr>
<td>Blade Width at Top: 1.6&quot; (4.6 cm)</td>
</tr>
<tr>
<td>Blade Width at Bottom: .8&quot; (2 cm)</td>
</tr>
</tbody>
</table>
Alvi Small Charnley Style Locking Frame Set
Designed by Hashim Alvi, MD

A self-retaining frame and retractor system designed for use during anterior total hip arthroplasty, the blades help retract the hip capsule and musculature, permitting an unobstructed view of the acetabulum while freeing an assistant.

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
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</thead>
<tbody>
<tr>
<td>7425-00 [Set]</td>
</tr>
<tr>
<td>Set includes: (1) 7425-01, (1) 7425-02, (1) 7425-03, (1) 7425-04</td>
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</table>

Also available individually:

<table>
<thead>
<tr>
<th>7425-01</th>
<th>Small Charnley Style Locking Frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions: 9&quot; x 7&quot; (22.9 cm x 17.8 cm)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7425-02</th>
<th>2&quot; Tapered Blade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade Depth: 2&quot; (5.1 cm)</td>
<td></td>
</tr>
<tr>
<td>Handle Length: 7&quot; (17.8 cm)</td>
<td></td>
</tr>
<tr>
<td>Blade Width: 1&quot; (2.54 cm)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7425-03</th>
<th>3&quot; Tapered Blade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade Depth: 3&quot; (7.6 cm)</td>
<td></td>
</tr>
<tr>
<td>Handle Length: 7&quot; (17.8 cm)</td>
<td></td>
</tr>
<tr>
<td>Blade Width: 1&quot; (2.54 cm)</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7425-04</th>
<th>4&quot; Tapered Blade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade Depth: 4&quot; (10.2 cm)</td>
<td></td>
</tr>
<tr>
<td>Handle Length: 7&quot; (17.8 cm)</td>
<td></td>
</tr>
<tr>
<td>Blade Width: 1&quot; (2.54 cm)</td>
<td></td>
</tr>
</tbody>
</table>

Set comes with locking frame and one each of the three blade sizes.

Bozeman Direct Anterior THA Femoral Elevator
Designed by Daniel M. Gannon, MD

Designed to elevate the femur anteriorly, providing exposure to allow broaching of the femoral canal and final placement of the femoral component, during direct anterior approach THA.

Helps to retract the TFL muscle out of the way, and provides surface area for the fulcrum effect, helping to reduce pressure on the muscle. Narrow designs helpful in minimally invasive surgery. The flared end joins the prongs to help maintain soft tissue retraction away from the broach teeth, while the two prong design helps placement lateral to the tip of the greater trochanter and elevates the femur.

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
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</thead>
<tbody>
<tr>
<td>6144 [Small]</td>
</tr>
<tr>
<td>Overall Length: 11.5&quot; (29.2 cm)</td>
</tr>
<tr>
<td>Blade Neck Width: 26.1 mm</td>
</tr>
<tr>
<td>Blade Flared End Width: 30.1 mm</td>
</tr>
</tbody>
</table>

| 6146 [Medium] |
| Overall Length: 13.5" (34.3cm) |
| Blade Neck Width: 29.8 mm |
| Blade Flared End Width: 34.7 mm |

| 6145 [Large] |
| Overall Length: 15.5" (39.4 cm) |
| Blade Neck Width: 33.6 mm |
| Blade Flared End Width: 39.3 mm |
Wide
#6422
Narrow
#6421

**Modified Anterior Hip Retractor**

*Designed to provide exposure of the proximal femur*

**PRODUCT NO:**

<table>
<thead>
<tr>
<th>6421 [Narrow Tip]</th>
<th>Overall Length: 15.75” (40 cm)</th>
<th>Blade Width: 1.15” (3 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6422 [Wide Tip]</td>
<td>Overall Length: 15.75” (40 cm)</td>
<td>Blade Width: 1.15” (3 cm)</td>
</tr>
</tbody>
</table>

### Hope Direct Anterior Femoral Retractor

*Designed by Charles A. Hope, MD*

*Designed to aid in exposure of the calcar femorale for proximal femoral exposure and broaching*

**PRODUCT NO:**

| 5838                  | Overall Length: 11” (27.9 cm) | Blade Width: 1” (2.54 cm) |

### Alvi Modified Hohmann Retractor

*Designed by Hasham Alvi, MD*

*Designed for use during minimally invasive anterior hip replacement surgery, the retractor is placed through the capsule, into the femoral head, allowing for retraction of the rectus femoris*

The extra bend in the handle allows the assistant to stand on the operative side of the table allowing for ease of handling of the retractor.

**PRODUCT NO:**

| 4549                  | Overall Length: 8.75” (22.2 cm) | Blade Width: .75” (19 mm) |
Whelan Femoral Neck Elevator
Designed by E. J. Whelan, III, MD
Elevator has long tines to rest on the stronger bone at the base of the neck and calcar, and also fits well over the lesser trochanter and iliopsoas tendon for femoral broaching.

Mueller-type Femoral Neck Elevators
Extra Deep modified by Tom Eickmann, MD
Designed to elevate the proximal femur.

Hur Modified Mueller-type Femoral Neck Elevator
Wide blade design modification by John Hur, MD
Designed for the anterior approach to help expose the femoral calcar during broaching.

The modified Mueller-type design non-forked end helps reduce stress risers and fractures.

PRODUCT NO:
3414
Overall Length: 13.75" (34.9 cm)
Depth from Bend: 1.5" (3.8 cm)
Blade Width: 2.4 cm

PRODUCT NO’s:
3415 [Standard]
Overall Length: 13.5" (34.3 cm)
Handle Length: 6.5" (16.5 cm)
Blade Width at Widest: 25 mm

3418 [Extra Deep]
Overall Length: 15.25" (38.8 cm)
Handle Length: 6.5" (16.5 cm)
Blade Width at Widest: 25 mm

PRODUCT NO:
3416
Overall Length: 13" (33 cm)
Handle Length: 6.5" (16.5 cm)
Blade Width at Widest: 1.25" (31.7 mm)
Posterior Acetabular Retractor
Designed by Amal Das, MD and Brian Seng, DO
Designed for posterior acetabular retraction during anterior approach total hip replacement surgery

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>6224</td>
</tr>
<tr>
<td>Blade Width: 25 mm</td>
</tr>
<tr>
<td>Blade Depth: 2.75&quot; (7 cm)</td>
</tr>
<tr>
<td>Overall Length: 14&quot; (35.6 cm)</td>
</tr>
</tbody>
</table>

Hibbs Retractors
Designed for soft tissue retraction by either the toothed end or curved handle end
Extra large used in large patients when more leverage and depth is needed.

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>6235 [Medium]</td>
</tr>
<tr>
<td>Overall Length: 10.75&quot; (27.3 cm)</td>
</tr>
<tr>
<td>Handle Length: 9.75&quot; (24.8 cm)</td>
</tr>
<tr>
<td>Blade Depth: 4.5&quot; (114 mm)</td>
</tr>
<tr>
<td>Blade Width: 25 mm</td>
</tr>
<tr>
<td>6240 [Standard]</td>
</tr>
<tr>
<td>Overall Length: 8.75&quot; (22.5 cm)</td>
</tr>
<tr>
<td>Handle Length: 8&quot; (20.3 cm)</td>
</tr>
<tr>
<td>Blade Depth: 3&quot; (76 mm)</td>
</tr>
<tr>
<td>Blade Width: 25 mm</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3608 [Sharp]</td>
</tr>
<tr>
<td>Overall Length: 10.5&quot; (26.7 cm)</td>
</tr>
<tr>
<td>Scoop Length: 3&quot; (7.6 cm)</td>
</tr>
<tr>
<td>Scoop Width: 29 mm</td>
</tr>
<tr>
<td>3609 [Dull]</td>
</tr>
<tr>
<td>Overall Length: 10.5&quot; (26.7 cm)</td>
</tr>
<tr>
<td>Scoop Length: 3&quot; (7.6 cm)</td>
</tr>
<tr>
<td>Scoop Width: 29 mm</td>
</tr>
</tbody>
</table>
### Stainless Steel Ratchet Frame with Arms and Blades Sets

**New!**

**Stainless Steel Ratchet Frame with Arms and Blades Sets**

Designed for self-retaining wound exposure, the arms and blades of the OrthLucent™ version are radiolucent and can be kept in place while using image intensification or taking an x-ray

- Arms rotate 180°
- Mobile Arm unit can be detached from ratchet body for cleaning

#### Set with OrthoLucent™ Arms and Blades

The OrthLucent arms and blades are made of a strong, lightweight carbon fiber PEEK composite material, which is radiolucent, helps to prevent from marring component surfaces, and can be steam sterilized.

<table>
<thead>
<tr>
<th>PRODUCT NO's:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>7428-00 [Stainless Steel Ratchet Frame with OrthoLucent Arms &amp; Blades Set]</td>
<td></td>
</tr>
<tr>
<td><strong>Set Includes:</strong></td>
<td></td>
</tr>
<tr>
<td>7428-01A [Mobile OrthoLucent Arm]</td>
<td></td>
</tr>
<tr>
<td>7428-01B [Stationary OrthoLucent Arm]</td>
<td></td>
</tr>
<tr>
<td>7427-02 [50 mm OrthoLucent Blade]</td>
<td></td>
</tr>
<tr>
<td>Dimensions: 50 mm Deep X 25 mm Wide</td>
<td></td>
</tr>
<tr>
<td>7427-03 [75 mm OrthoLucent Blade]</td>
<td></td>
</tr>
<tr>
<td>Dimensions: 75 mm Deep X 25 mm Wide</td>
<td></td>
</tr>
<tr>
<td>Optional Blade – Not Included In Set:</td>
<td></td>
</tr>
<tr>
<td>7427-04 [100 mm OrthoLucent Blade]</td>
<td></td>
</tr>
<tr>
<td>Dimensions: 100 mm Deep X 25 mm Wide</td>
<td></td>
</tr>
<tr>
<td>Other Options Available Are:</td>
<td></td>
</tr>
<tr>
<td>7428-01 [Stainless Steel Ratchet Frame with OrthoLucent Arms Assembly]</td>
<td></td>
</tr>
<tr>
<td>Dimensions (Flat): 10&quot; x 5.625&quot; (25.4 cm x 14.3 cm) Arms Extend: 4.25&quot; (10.8 cm)</td>
<td></td>
</tr>
</tbody>
</table>

### Product Numbers

**PRODUCT NO'S:**

- **7428-00** [Stainless Steel Ratchet Frame with OrthoLucent Arms & Blades Set]
- **7428-01A** [Mobile OrthoLucent Arm]
- **7428-01B** [Stationary OrthoLucent Arm]
- **7427-02** [50 mm OrthoLucent Blade] Dimensions: 50 mm Deep X 25 mm Wide
- **7427-03** [75 mm OrthoLucent Blade] Dimensions: 75 mm Deep X 25 mm Wide
- **Optional Blade – Not Included In Set:**
- **7427-04** [100 mm OrthoLucent Blade] Dimensions: 100 mm Deep X 25 mm Wide

Other Options Available Are:

- **7428-01** [Stainless Steel Ratchet Frame with OrthoLucent Arms Assembly] Dimensions (Flat): 10" x 5.625" (25.4 cm x 14.3 cm) Arms Extend: 4.25" (10.8 cm)
Multi-Purpose Hip & Knee Retractors
Designed by Vasilios Mathews, MD

Designed for use in both hip and knee arthroplasty procedures

During direct anterior hip arthroplasty procedures, the fin of this retractor fits the contours of the acetabular rim and retracts the anterior soft tissues, while the short length of the spike helps limit the penetration into the neurovascular zones.

In knee surgery, the retractors can be used to help protect the patellar tendon behind the fin at the lateral tibial border. Also useful as a soft-tissue and fat pad retractor during prosthesis implantation, helping to ensure a dry cancellous bed for cementation, and thus aid in prosthesis long-term survival.

PRODUCT NO’S:
4554-L [Left]
Overall Length: 11.25” (28.6 cm)
Blade Width: 1.5” (38 mm)
4554-R [Right]
Overall Length: 11.25” (28.6 cm)
Blade Width: 1.5” (38 mm)

Moran Posterior-Inferior Retractor
Designed by Michael C. Moran, MD

Designed to achieve a stable position on the pelvis and expose the posterior-inferior aspect of the acetabulum

The short sharp tip is placed into the ischial sulcus behind the posterior acetabular rim. The long dull tip comes to rest behind the teardrop, while the retractor handle projects in a posterior-inferior direction.

PRODUCT NO’S:
6415-L [Left]
Overall Length: 12.5” (31.8 cm)
6415-R [Right]
Overall Length: 12.5” (31.8 cm)

O’Reilly Direct Access Anterior Broaching Retractor
Designed by Michael P. O’Reilly, MD

Designed for use in obtaining improved proximal exposure for femoral canal preparation during minimally invasive direct anterior THA

PRODUCT NO’S:
4698-L [Left]
Overall Length: 9.5” (24.1 cm)
Blade Width: 57 mm
4698-R [Right]
Overall Length: 9.5” (24.1 cm)
Blade Width: 57 mm

Lateral flange protects the muscle of tensor fascia lata and soft tissues during insertion and removal of femoral broaching instruments

Narrow tip for deep placement posterior to the femoral neck, anterior to the greater trochanter

Rotation of the retractor handle helps keep the instrument against the patient and out of the surgeon’s line of sight
Infero-Posterior Acetabular Retractor with Modular Handle – Left and Right

Designed to be placed with the point at 6 o’clock and the retractor’s axilla resting on the ischium, while the wing blade is used to retract the remaining capsule from the posterior lip of the acetabulum, and the optional screw-in modular handle can be used for additional leverage and maneuverability.

**Infero-Posterior Acetabular Retractor with Modular Handle – Left and Right**

**PRODUCT NO’S:**
- **C1008-H-00 [Set – Right]**
  - Set Includes/ Available Separately:
    - **C1008** [Infero-Posterior Acetabular Retractor Only – Right]
      - Overall Length: 14” (35.6 cm)
      - Depth from Bend: 4.5” (11.4 cm)
      - Fixed Handle Width: 5.5” (14 cm)
  - **C1006** [Modular Handle]
    - Overall Length: 4.875” (12.4 cm)
    - Handle Length: 4.5” (11.4 cm)

**PRODUCT NO’S:**
- **C1007-H-00 [Set – Left]**
  - Set Includes/ Available Separately:
    - **C1007** [Infero-Posterior Acetabular Retractor Only – Left]
      - Overall Length: 14” (35.6 cm)
      - Depth from Bend: 4.5” (11.4 cm)
      - Fixed Handle Width: 5.5” (14 cm)
  - **C1006** [Modular Handle]
    - Overall Length: 4.875” (12.4 cm)
    - Handle Length: 4.5” (11.4 cm)

**Posterior-Inferior Retractors**

Designed by Wayne M. Goldstein, MD

**Designed for Total Hip Surgery**

The posterior-inferior retractor is placed with the point at 6 o’clock and the retractor’s axilla resting on the ischium, while the wing blade is used to retract the remaining capsule from the posterior lip of the acetabulum.

**PRODUCT NO’S:**
- **C1008-H-00 [Set – Right]**
  - Set Includes/ Available Separately:
    - **C1008** [Infero-Posterior Acetabular Retractor Only – Right]
      - Overall Length: 14” (35.6 cm)
      - Depth from Bend: 4.5” (11.4 cm)
      - Fixed Handle Width: 5.5” (14 cm)
  - **C1006** [Modular Handle]
    - Overall Length: 4.875” (12.4 cm)
    - Handle Length: 4.5” (11.4 cm)

**PRODUCT NO’S:**
- **C1007-H-00 [Set – Left]**
  - Set Includes/ Available Separately:
    - **C1007** [Infero-Posterior Acetabular Retractor Only – Left]
      - Overall Length: 14” (35.6 cm)
      - Depth from Bend: 4.5” (11.4 cm)
      - Fixed Handle Width: 5.5” (14 cm)
  - **C1006** [Modular Handle]
    - Overall Length: 4.875” (12.4 cm)
    - Handle Length: 4.5” (11.4 cm)

**PRODUCT NO’S:**
- **7625-01 [Small Right]**
  - Overall Length: 10.75” (27.3 cm)
  - Handle-to-Bend Length: 5.5” (14 cm)
- **7625-02 [Small Left]**
  - Overall Length: 10.75” (27.3 cm)
  - Handle-to-Bend Length: 5.5” (14 cm)
- **7925-01 [Medium Right]**
  - Overall Length: 11” (27.9 cm)
  - Handle-to-Bend Length: 7” (17.8 cm)
- **7925-02 [Medium Left]**
  - Overall Length: 11” (27.9 cm)
  - Handle-to-Bend Length: 7” (17.8 cm)
- **7620-01 [Large Right]**
  - Overall Length: 12” (30.5 cm)
  - Handle-to-Bend Length: 6” (15.2 cm)
- **7620-02 [Large Left]**
  - Overall Length: 12” (30.5 cm)
  - Handle-to-Bend Length: 6” (15.2 cm)
Short Tip Acetabular Retractor
Designed for retraction around the acetabulum

PRODUCT NO:
C1014
- Overall Length: 13.25” (33.7 cm)
- Blade Depth: 4.5” (11.4 cm)
- Blade Width: 1” (2.54 cm)

Single Prong Soft Tissue Retractors

PRODUCT NO:
6450 [Standard]
- Overall Length: 12.125” (30.8 cm)
- Blade Width: 22.3 mm

6450-03 [Standard with Short Tip]
- Overall Length: 11.75” (29.8 cm)
- Blade Width: 22.3 mm

6450-02 [Straight Tip]
- Overall Length: 12.125” (30.8 cm)
- Blade Width: 22.3 mm

Single Prong Acetabular Retractor

PRODUCT NO:
6570 [Standard]
- Overall Length: 12.125” (30.8 cm)
- Blade Width: 22.3 mm

WWW.INNOMED.NET
FREE TRIAL ON MOST INSTRUMENTS
Acetabular Retractor with Large Handle
Designed for retraction around the acetabulum

Product No: C1009
- Overall Length: 15.75" (40 cm)
- Handle Length: 6.125" (15.6 cm)
- Blade Depth: 4.5" (11.4 cm)
- Blade Width: 1.1" (2.8 cm)
- Prong Length: 1.5" (3.8 cm)

90° Acetabular Retractor with Large Handle
Designed for retraction around the acetabulum

Product No: C1010
- Overall Length: 14.25" (36.2 cm)
- Handle Length: 6.125" (15.6 cm)
- Blade Depth: 5.25" (13.3 cm)
- Blade Width: 1.1" (2.8 cm)
- Prong Length: 1.5" (3.8 cm)

Narrow Cobra-style Retractor with Large Handle
Designed for use around the femur and acetabulum

Product No: C1005
- Overall Length: 17.5" (34.5 cm)
- Depth from handle: 7" (17.8 cm)
**Cobra Retractors**

**A general purpose instrument for use around the femur and acetabulum**

Lighted cobra retractor comes with one (1) Disposable LED Light Source (see below), and can also be attached to a fiber optic light cable with ACMI (female) connector. Retractor can be steam sterilized.

**Standard**
- **#6130**
- **#6130-L-01**

**Standard with Sharp Tip**
- **#6129**

**Standard with Ergonomic Handle**
- **#6130-H**
- **#6130-L-01**

**Modified Cobra Retractor**

**A general purpose instrument for use around the femur and acetabulum**

Excellent for use in acetabular exposure and total hip replacements. Especially useful for the anterior approach. The retractor comes with one (1) Disposable LED Light Source (#8010-01), and can also be attached to a fiber optic light cable with ACMI (female) connector. The retractor can be steam sterilized.

**Jana Lighted Cobra Retractor**

**Designed to enhance exposure & visualization**

Designed by Ajoy K. Jana, MD

Lighted retractor comes with one (1) Disposable LED Light Source (#8010-01).
Whelan Large Anterior Hip Weitlaner Retractor
Designed by Edward J. Whelan, MD

Designed for self-retaining exposure during anterior approach THA

PRODUCT NO's:
1576-B [Blunt]
- Overall Length: 9" (22.9 cm)
- Blade Depth: 1" (2.54 cm)

1576-S [Sharp]
- Overall Length: 9" (22.9 cm)
- Blade Depth: 1" (2.54 cm)

Alvi Beckman Self-Retaining Retractor
Designed by Hasham Ali, MD

Designed for direct anterior approach hip arthroplasty, the wide, blunt and curved teeth help provide for better self-retaining retraction during dissection through the superficial and deep tissue planes to expose the hip joint

PRODUCT NO:
1577
- Overall Length: 13" (33 cm)
- Length to Bend: 9.625" (24.4 cm)
- Depth when Full Bent: 3.125" (7.9 cm)

Self-Retaining Tension Retractor
The expandable design allows for a wide variety of blades to be used for exposure in total joint and trauma procedures

PRODUCT NO:
1586
- Overall Length: 8.975" (22.5 cm)
- Maximum Width at Pegs: 8" (20.3 cm)
Bone Hooks
Designed by R.L. Wixson, MD

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5910 [Small]</td>
<td>Curve Diameter: 25 mm</td>
<td>Overall Length: 12.75” (32.4 cm)</td>
<td>Handle Length: 4.75” (12.1 cm)</td>
</tr>
<tr>
<td>5915 [Medium]</td>
<td>Curve Diameter: 35 mm</td>
<td>Overall Length: 12.75” (32.4 cm)</td>
<td>Handle Length: 4.75” (12.1 cm)</td>
</tr>
<tr>
<td>5920 [Large]</td>
<td>Curve Diameter: 50 mm</td>
<td>Overall Length: 12.75” (32.4 cm)</td>
<td>Handle Length: 4.75” (12.1 cm)</td>
</tr>
<tr>
<td>5920-01 [Large w/ Cable/Wire Hole]</td>
<td>Designed by R.L. Wixson, MD &amp; J. McCarthy, MD</td>
<td>Curve Diameter: 50 mm</td>
<td>Overall Length: 12.75” (32.4 cm)</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>5905</td>
</tr>
<tr>
<td>Curve Diameter: 50 mm</td>
</tr>
<tr>
<td>Handle Length: 4.75” (12.1 cm)</td>
</tr>
</tbody>
</table>

Lombardi Bone Hooks
Designed by Adolph V. Lombardi, MD

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5925 [Small]</td>
<td>Curve Diameter: 25 mm</td>
<td>Overall Length: 10” (25.4 cm)</td>
<td></td>
</tr>
<tr>
<td>5930 [Medium]</td>
<td>Curve Diameter: 55 mm</td>
<td>Overall Length: 10” (25.4 cm)</td>
<td></td>
</tr>
<tr>
<td>5935 [Large]</td>
<td>Curve Diameter: 55 mm</td>
<td>Overall Length: 10” (25.4 cm)</td>
<td></td>
</tr>
</tbody>
</table>
Wertz Anterior THA Femoral Elevator
Designed by Michael P. Wertz, MD

Helps deliver the femur out of the incision during anterior total hip arthroplasty
Inserted into the femoral canal for elevation, the knurled underside helps to reduce the chance of slippage.

Kenerly Femoral Neck Cutting Guide
Designed by J. Lex Kenerly, 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.

Kenerly Double Parallel Femoral Neck Disc Grasper
Designed by J. Lex Kenerly, III, MD

Designed to remove the central disc of a double, parallel cut femoral neck osteotomy when performing THA.
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.

PRODUCT NO’S:
3675  [Large]  Overall Length: 9.5" (24.1 cm)  Hammer Platform Diameter: 1.125" (2.9 cm)  Width at End: 1.1" (2.8 cm)
3674  [Small]  Overall Length: 9.5" (24.1 cm)  Hammer Platform Diameter: 1.125" (2.9 cm)  Width at End: .75" (1.9 cm)

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:
3706  [Zimmer Hall Quick-connect]  Overall Length: 8.5" (21.6 cm)
3707  [T-Handle]  Overall Length: 8.75" (22.2 cm)

Extra Gripping Thread

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

PRODUCT NO’S:
4189-00  [Set of 5]
4189-06  [6 mm]  Overall Length: 14.25" (36.2 cm)  Handle Length: 3.5" (8.9 cm)
4189-08  [8 mm]  Overall Length: 14.25" (36.2 cm)  Handle Length: 3.5" (8.9 cm)
4189-10  [10 mm]  Overall Length: 14.25" (36.2 cm)  Handle Length: 3.5" (8.9 cm)
4189-12  [12 mm]  Overall Length: 14.25" (36.2 cm)  Handle Length: 3.5" (8.9 cm)
4189-14  [14 mm]  Overall Length: 14.25" (36.2 cm)  Handle Length: 3.5" (8.9 cm)

Particularly useful for the anterior approach to the hip. Helps identify intraoperative occult fractures. Properly identifying the medullary canal before broaching helps minimize possible intraoperative fractures.
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:
8025
Overall Length: 12” (30.5 cm)
Blunt Reamer Length: 2” (5.1 cm)

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

PRODUCT NO’S:
2674-C0 [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)

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

PRODUCT NO:
5308
Overall Length: 10” (25.4 cm)
**Curved Canal Rasps**

Design modification by Michael Messieh, MD of original design by Anthony Unger, MD.

Designed for preparation of the femoral canal for insertion of a cemented or cementless hip stem, the multiple diameters serve to prepare the femoral canal after the initial 5 mm is used to find the curvature of the canal.

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3004-01-08 [8 mm]</td>
<td></td>
</tr>
<tr>
<td>Overall Length: 11&quot; (27.9 cm)</td>
<td>Handle Length: 5&quot; (12.7 cm)</td>
</tr>
<tr>
<td>3004-01-10 [10 mm]</td>
<td></td>
</tr>
<tr>
<td>Overall Length: 11&quot; (27.9 cm)</td>
<td>Handle Length: 5&quot; (12.7 cm)</td>
</tr>
<tr>
<td>3004-01-12 [12 mm]</td>
<td></td>
</tr>
<tr>
<td>Overall Length: 11&quot; (27.9 cm)</td>
<td>Handle Length: 5&quot; (12.7 cm)</td>
</tr>
</tbody>
</table>

**Unger Canal Finder Rasps**

Designed by Anthony Unger, MD

Designed to help shape the femoral canal after reaming.

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3004 [Unger Canal Finder Rasp – Straight]</td>
<td></td>
</tr>
<tr>
<td>Overall Length: 11&quot; (27.9 cm)</td>
<td>Handle Length: 5&quot; (12.7 cm)</td>
</tr>
<tr>
<td>3004-01 [Unger Canal Finder Rasp – Curved]</td>
<td></td>
</tr>
<tr>
<td>Overall Length: 11&quot; (27.9 cm)</td>
<td>Handle Length: 5&quot; (12.7 cm)</td>
</tr>
<tr>
<td>3004-02 [Unger Canal Finder Rasp – Curved with Smooth Proximal]</td>
<td></td>
</tr>
<tr>
<td>Overall Length: 11&quot; (27.9 cm)</td>
<td>Handle Length: 5&quot; (12.7 cm)</td>
</tr>
</tbody>
</table>

**T-Handle Femoral Canal Finders**

Original design by Neal L. Rockowitz, MD

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

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4990 [Rockowitz Topside Rasp]</td>
<td></td>
</tr>
<tr>
<td>Overall Length: 9&quot; (22.9 cm)</td>
<td>Curved Rasp Portion: 4&quot; (10.2 cm)</td>
</tr>
<tr>
<td>4990-03 [Smooth]</td>
<td></td>
</tr>
<tr>
<td>Overall Length: 9.385&quot; (24.4 cm)</td>
<td></td>
</tr>
<tr>
<td>4989 [Modified Underside Rasp]</td>
<td></td>
</tr>
<tr>
<td>Overall Length: 9&quot; (22.9 cm)</td>
<td>Curved Rasp Portion: 4&quot; (10.2 cm)</td>
</tr>
</tbody>
</table>

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
### Sarraf Toothed Curettes
**Designed by Khaled Sarraf, MD**

Forward, straight, and reverse bent toothed curettes designed to aid in all types of joint arthroplasty surgery, especially in scraping any articular chondral islands within the acetabulum during THA preparation.

- Can also be used for the femoral canal in cemented and uncemented THA
- Valuable aid in revision arthroplasty (hip, knee, shoulder and ankle) for cementtage
- Useful tool in hip and knee primary arthroplasty as well as shoulder, elbow and ankle arthroplasty procedures

### Powers Double Bent Curette Set
**Designed by Mark Powers, MD**

The bayonet curettes help allow for proper lateralization and seating of the broach.

### 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.

### Sarraf Double Bent Curette Set
**Designed by Mark Powers, MD**

The bayonet curettes help allow for proper lateralization and seating of the broach.

---

**PRODUCT NO'S:**

<table>
<thead>
<tr>
<th>5174-00</th>
<th>[Set]</th>
</tr>
</thead>
</table>

**Set Includes/ Available Separately:**

- **5174-F** (Forward Toothed Curette)
  - Overall Length: 11.5" (29.2 cm)
  - Handle Length: 5.5" (14 cm)
  - Angled Down: 30°

- **5174-R** (Reverse Toothed Curette)
  - Overall Length: 11.5" (29.2 cm)
  - Handle Length: 5.5" (14 cm)
  - Angled Up: 30°

- **5174-S** (Straight Toothed Curette)
  - Overall Length: 11.5" (29.2 cm)
  - Handle Length: 5.5" (14 cm)

**PRODUCT NO: 5171**

- Overall Length: 11.75" (29.8 cm)
- Handle Length: 5.5" (14 cm)
- Cup Size: 7 mm X 12 mm

**PRODUCT NO'S:**

<table>
<thead>
<tr>
<th>5190-00</th>
<th>[Set of Three]</th>
</tr>
</thead>
</table>

**Also available individually:**

- **5190-L** (Angled Left)
  - Overall Length: 16.875" (42.9 cm)
  - Handle Length: 9" (22.9 cm)
  - Shaft Length Before Bend: 5.25" (13.3 cm)
  - Bend Offset: 5° (1.3 cm)
  - Curette Cup Angle: 33°
  - Curette Cup Inner Dimen.: 6 mm X 8.7 mm

- **5190-R** (Angled Right)
  - Overall Length: 16.875" (42.9 cm)
  - Handle Length: 9" (22.9 cm)
  - Shaft Length Before Bend: 5.25" (13.3 cm)
  - Bend Offset: 5° (1.3 cm)
  - Curette Cup Angle: 33°
  - Curette Cup Inner Dimen.: 6 mm X 8.7 mm

- **5190-S** (Straight)
  - Overall Length: 17" (43.2 cm)
  - Handle Length: 9" (22.9 cm)
  - Shaft Length Before Bend: 5.25" (13.3 cm)
  - Bend Offset: 5° (1.3 cm)
  - Curette Cup Angle: 33°
  - Curette Cup Inner Dimen.: 6 mm X 8.7 mm
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.

**PRODUCT NO’S:**

- **1775-01** [Short Jaw]
  - Jaw Width: 8 mm
  - Overall Length: 9.25” (23.5 cm)
- **1775-02** [Medium Jaw]
  - Jaw Width: 5 mm
  - Overall Length: 9.25” (23.5 cm)
- **1775-03** [Long Jaw]
  - Jaw Width: 3 mm
  - Overall Length: 9.25” (23.5 cm)

**MADE EXCLUSIVELY FOR INNOMED IN GERMANY**

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:**

- **1776**
  - 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

**MADE IN USA**

Shark Tooth Graspers

*Designed by Luis Ulloa*

**Sharp teeth help grasp onto tissue and bone**

**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)

**USA MADE**

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.
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.

PRODUCT NO: 1765

Jaw Bite Length: 18 mm
Jaw Bite Width: Tapered from 7 to 4.5 mm
Overall Length: 10” (25.4 cm)

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.

PRODUCT NO: 1775-04

Overall Length: 8.5” (21.6 cm)
Jaw Width: 11 mm
Jaw Bite Internal: 9 mm x 21 mm

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.

PRODUCT NO: 1768-02

Jaw Bite: 8 x 16 mm
Overall Length: 12.5” (31.8 cm)
Shaft-to-End Length: 6” (15.2 cm)
LED Disposable Light Source and Reusable Light Wand Kit

Light wand designed for illumination of deep incisions — for use with the Innomed LED Disposable Light Source Only

**PRODUCT NO'S:**
8010-00 [Kit – Wand & One Light Source]
8010-01 [Disposable LED Light Source] Pkg of 1
  - Overall Length: 2.5" (6.4 cm)
  - Diameter: 1" (2.54 cm)
8010-10 [Disposable LED Light Source] Pkg of 10

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**New!**

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.

**PRODUCT NO'S:**
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
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
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

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**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:**
8010-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)

---
Resnick Allis Bone Clamp
Designed by Charles T. Resnick MD

A traditional Allis Bone Clamp designed with a longer ratchet which allows for a wider opening to allow a bone to be clamped and locked onto

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Description</th>
<th>Dimensions</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1385</td>
<td>Overall Length: 6” (15.2 cm) Ratcheted Clamp Opens to: 37 mm Clamp End Width: 4.7 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Berger Block Positioner
Designed by Richard Berger MD

Designed for lower extremity positioning with dual height options Can also be useful in knee arthroplasty

<table>
<thead>
<tr>
<th>PRODUCT NO’s:</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>2750-00 [Set]</td>
<td>Dimensions with Pads: 4.75” x 6.75” x 8” (12.1 cm x 17.1 cm x 20.3 cm)</td>
<td></td>
</tr>
<tr>
<td>2750-01 [Block Positioner Only]</td>
<td>Dimensions: 4.125” x 6.125” x 8” (10.5 cm x 15.6 cm x 20.3 cm)</td>
<td></td>
</tr>
<tr>
<td>2750-P [Positioner Pad Only]</td>
<td>(2) Included in Set</td>
<td></td>
</tr>
<tr>
<td>2750-S [Positioner Brown Strap Only]</td>
<td>Pkg of 10</td>
<td></td>
</tr>
</tbody>
</table>

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>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8004-00 [Set of One Each]</td>
<td></td>
</tr>
<tr>
<td>8004-S [Short Extension]</td>
<td>Extension Length: 2” (5.1 cm) Overall Length: 5.625” (9.2 cm)</td>
</tr>
<tr>
<td>8004-L [Long Extension]</td>
<td>Extension Length: 3” (7.7 cm) Overall Length: 2.6” (6.6 cm)</td>
</tr>
</tbody>
</table>
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.

Direct Anterior Total Hip Arthroplasty
Leg Positoner Assembly

Designed to help position the operative leg for direct anterior approach total hip arthroplasty using a standard operating table

US Patent No. 16/523,384

PRODUCT NO'S:

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>4165-00</td>
<td>Assembly</td>
<td></td>
</tr>
<tr>
<td>4165-01</td>
<td>Leg Support</td>
<td>8.75&quot; x 22.2 cm x 2.5&quot;</td>
</tr>
<tr>
<td>4165-02</td>
<td>Calibrated Rod</td>
<td>9.625&quot; x 7.125&quot; x 1&quot;</td>
</tr>
<tr>
<td>4165-P</td>
<td>Leg Support Pad</td>
<td>8.5&quot; x 3&quot; x 1.75&quot;</td>
</tr>
<tr>
<td>4150-PS</td>
<td>Support Knob</td>
<td>1.875&quot; x 4.7 cm x 1.5&quot;</td>
</tr>
<tr>
<td>9120</td>
<td>Table Clamp</td>
<td>1.7&quot; x 1.7&quot; x 4.3 cm x 3.6 cm</td>
</tr>
</tbody>
</table>

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