Hip Exposure & Positioning

Narrow Proximal Femoral Elevator with Coating
Page 50

Modified Anterior Hip Retractor – Wide Tip
Page 12

Berger Block Positioner
Back Cover

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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.
Anterior Watson Jones Total Hip Arthroplasty System

Instrument system specifically designed for Direct Anterior approach THR

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>6300-00 [Complete Set]</td>
<td></td>
</tr>
<tr>
<td><strong>Available Individually:</strong></td>
<td></td>
</tr>
<tr>
<td>6301-L   [Awl – Left]</td>
<td>Overall Length: 12.375” (31.5 cm)</td>
</tr>
<tr>
<td>6301-R   [Awl – Right]</td>
<td>Overall Length: 12.375” (31.5 cm)</td>
</tr>
<tr>
<td>6302-01  [Lighted Mueller Retractor]</td>
<td>Blade Width: 27 mm, Handle Length: 5.5” (14 cm), Overall Length: 12.75” (32.4 cm)</td>
</tr>
<tr>
<td>6303-01  [Wide Lighted Retractor]</td>
<td>Blade Width: 40 mm, Blade Tip Length: 17 mm, Overall Length: 12.75” (32.4 cm)</td>
</tr>
<tr>
<td>6304-01  [Narrow Lighted Retractor]</td>
<td>Blade Width: 26 mm, Blade Tip Length: 23 mm, Overall Length: 16.5” (41.9 cm)</td>
</tr>
<tr>
<td>6305     [90° Cobra Retractor]</td>
<td>Blade at Widest: 37 mm, Blade Depth: 17.5” (44.1 cm), Blade Prong: 18 mm Long X 10 mm Wide, Overall Length: 12.5” (31.8 cm), Handle Length: 9.25” (23.5 cm)</td>
</tr>
<tr>
<td>6306     [Deep Hohmann Retractor]</td>
<td>Blade Width: 17 mm, Prong Length: 34 mm, Overall Length: 9.25” (23.5 cm)</td>
</tr>
<tr>
<td>6307     [Straight Hohmann Retractor]</td>
<td>Prong Length: 4.2 cm, Overall Length: 9.25” (23.4 cm)</td>
</tr>
<tr>
<td>6308     [Femoral Starter Drill]</td>
<td>Drill Tip Dimensions: 18 mm Long X 12 mm Diameter, Overall Length: 6” (15.2 cm), Shaft Length: 5.25” (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 RETRAC TOR SET) for use with the starter drill:

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8248     [Fixed Driver with Zimmer Hall Quick-connect]</td>
<td>Overall Length: 5.25” (13.3 cm), Handle Width: 4.625” (11.6 cm)</td>
</tr>
</tbody>
</table>

1.800.548.2362  ➤  FEBRUARY 2020  ➤  HIP EXPOSURE & POSITIONING INSTRUMENTS
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.

**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.
Sinha Retractor for Acetabular Reaming

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.

PRODUCT NO: 6174
Overall Length: 12.5” (31.8 cm)
Blade Width: 32 mm
Hole: 18 mm W x 33 mm H

Flared Cobra Retractors

Designed by Henry Boucher, MD
Single prong design modification by Walter Frueh, 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:

<table>
<thead>
<tr>
<th>PRODUCT NO</th>
<th>DESCRIPTION</th>
<th>OVERALL LENGTH</th>
<th>PRONGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6110-01</td>
<td>Double Prong - Right</td>
<td>15” (38 cm)</td>
<td>2</td>
</tr>
<tr>
<td>6110-02</td>
<td>Double Prong - Left</td>
<td>15” (38 cm)</td>
<td>2</td>
</tr>
<tr>
<td>6109-L</td>
<td>Single Prong - Left</td>
<td>15” (38 cm)</td>
<td>1</td>
</tr>
<tr>
<td>6109-R</td>
<td>Single Prong - Right</td>
<td>15” (38 cm)</td>
<td>1</td>
</tr>
</tbody>
</table>

Double Prong

Single Prong

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.

Ilium
Posterior
Superior
Anterior
Femur
Pubis
Ischium
Lesser Troch

Right Hip through Posterior Approach

Femoral Head
Acetabulum

Ilum
Posterior
Superior
Anterior
Femur
Pubis
Ischium
Lesser Troch

Right Hip through Posterior Approach

Femoral
Head
Acetabulum

Double Prong

Single Prong
**Unger Anterior Total Hip Instruments**

Universal instrument system specifically designed for Direct Anterior approach THR

Designed by Anthony Unger, MD

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**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** [Unger Box Osteotome—Right & 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]
- Blade Width: 34 mm
- Overall Depth: 4" (10.2 cm)
- Overall Length: 13" (33 cm)

**3009-L** [Unger Offset Narrow Hohmann—Left]
- Blade Width: 34 mm
- Overall Depth: 4" (10.2 cm)
- Overall Length: 13" (33 cm)

**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)

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**Optional Instruments:**

- **3004-01** [Unger Canal Finder Rasp—Curved]
- **3004-02** [Unger Canal Finder Rasp—Curved with Smooth Proximal]
- **3005** [Unger Box Osteotome—Right & Left]
- **3006** [Unger Femoral Neck Elevator]
- **3007** [Unger Soft Tissue Protector]
- **3009-R** [Unger Offset Narrow Hohmann—Right]
- **3009-L** [Unger Offset Narrow Hohmann—Left]
- **3006-01** [Femoral Neck Elevator–Long Prong]
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.

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.
Das/Seng Anterior Total Hip Instruments

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.

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>6221  #1 - Posterior Femoral Neck Retractor</td>
</tr>
<tr>
<td>Blade Width: 25 mm</td>
</tr>
<tr>
<td>Blade Depth: 3” (7.6 cm)</td>
</tr>
<tr>
<td>Overall Length: 14” (35.6 cm)</td>
</tr>
</tbody>
</table>

| 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) |

| 6224  #4 - Posterior Acetabular Retractor |
| Blade Width: 25 mm |
| Blade Depth: 2.75” (7 cm) |
| Overall Length: 14” (35.6 cm) |

| 6226-RH  #5A - Round Elevator Hook |
| Blade Depth from T-Handle: 7.5” (19.1 cm) |
| Overall Length: 9.25” (23.5 cm) |

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

| 6226-TA  #8 - 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) |

Optional Instruments:

| 6226-EH  #5 - Flat Elevator Hook |
| Blade Depth from T-Handle: 7.5” (19.1 cm) |
| Overall Length: 9.25” (23.5 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.

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.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>S011</th>
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<tbody>
<tr>
<td>Overall Length:</td>
<td>13.25” (33.7 cm)</td>
</tr>
<tr>
<td>Blade Depth:</td>
<td>4.25” (10.8 cm)</td>
</tr>
<tr>
<td>Blade Width:</td>
<td>1” (2.5 cm)</td>
</tr>
</tbody>
</table>

Jana Lighted Cobra Retractor
Designed by Ajoy K. Jana, MD
Designed to enhance exposure & visualization
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.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>6119-L-01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length:</td>
<td>14.75” (37.5 cm)</td>
</tr>
<tr>
<td>Blade at Widest:</td>
<td>33 mm</td>
</tr>
</tbody>
</table>

Lighted retractor comes with one (1) Disposable LED Light Source (#8010-01).

APC Hip Retractor Series
Designed by APC, Inc.
Used to help provide wide exposure of the acetabulum

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th>6420</th>
<th>6430</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Prong</td>
<td>[Overall Length: 14” (35.6 cm)]</td>
<td>[Overall Length: 14” (35.6 cm)]</td>
</tr>
<tr>
<td>Blade Width:</td>
<td>22 mm</td>
<td>24 mm</td>
</tr>
</tbody>
</table>

The single prong retractor is 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. The double prong retractor is designed to retract the femur anteriorly during total hip arthroplasty. It is hooked over the anterior pelvic brim.

DISPOSABLE LED LIGHT SOURCE
PRODUCT NO’S:
8010-01 PACKAGE OF 1
8010-10 PACKAGE OF 10

Disposable LED Light Source

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Duke Anterior/Posterior Inferior Retractors with Extra Grip Tip

Designed by Justin Duke, MD

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

**PRODUCT NO’S:**

- **7621-01** (Left)  
  - Overall Length: 10.25” (26 cm)
  - Handle Length: 5” (12.7 cm)
  - Depth: 7.5” (19.1 cm)
  - Blade Length: 2.75” (7 cm)
  - Blade Width: 1.125” (2.9 cm)
  - Prong Length: 1” (2.5 cm)
  - Prong Width: 6 mm

- **7621-02** (Right)  
  - Overall Length: 10.25” (26 cm)
  - Handle Length: 5” (12.7 cm)
  - Depth: 7.5” (19.1 cm)
  - Blade Length: 2.75” (7 cm)
  - Blade Width: 1.125” (2.9 cm)
  - Prong Length: 1” (2.5 cm)
  - Prong Width: 6 mm

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

**PRODUCT NO:**

- **6384**  
  - Overall Length: 9.5” (24.1 cm)
  - Depth: 6.5” (16.5 cm)
  - Blade Width at Top: 1.8” (4.6 cm)
  - Blade Width at Bottom: .8” (2 cm)

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)
Alvi Small Charnley Style Locking Frame Set

Designed by Hasham 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.

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

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>7425-00 [Set]</td>
<td>Small Charnley Style Locking Frame Set</td>
</tr>
<tr>
<td>Set includes: (1) 7425-01, (1) 7425-02, (1) 7425-03, (1) 7425-04</td>
<td></td>
</tr>
<tr>
<td>Also available individually:</td>
<td></td>
</tr>
<tr>
<td>7425-01 [Small Charnley Style Locking Frame]</td>
<td></td>
</tr>
<tr>
<td>Dimensions: 9” x 7” (22.9 cm x 17.8 cm)</td>
<td></td>
</tr>
<tr>
<td>7425-02 [2” Tapered Blade]</td>
<td></td>
</tr>
<tr>
<td>Blade Depth: 2” (5.1 cm)</td>
<td></td>
</tr>
<tr>
<td>Handle Length: 7” (17.8 cm)</td>
<td></td>
</tr>
<tr>
<td>Blade Width: 1” (2.54 cm)</td>
<td></td>
</tr>
<tr>
<td>7425-03 [3” Tapered Blade]</td>
<td></td>
</tr>
<tr>
<td>Blade Depth: 3” (7.6 cm)</td>
<td></td>
</tr>
<tr>
<td>Handle Length: 7” (17.8 cm)</td>
<td></td>
</tr>
<tr>
<td>Blade Width: 1” (2.54 cm)</td>
<td></td>
</tr>
<tr>
<td>7425-04 [4” Tapered Blade]</td>
<td></td>
</tr>
<tr>
<td>Blade Depth: 4” (10.2 cm)</td>
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</tr>
<tr>
<td>Handle Length: 7” (17.8 cm)</td>
<td></td>
</tr>
<tr>
<td>Blade Width: 1” (2.54 cm)</td>
<td></td>
</tr>
</tbody>
</table>

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>
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<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>6144 [Small]</td>
<td>Overall Length: 11.5” (29.2 cm)</td>
</tr>
<tr>
<td>Blade Neck Width: 26.1 mm</td>
<td></td>
</tr>
<tr>
<td>Blade Flared End Width: 30.1 mm</td>
<td></td>
</tr>
<tr>
<td>6146 [Medium]</td>
<td>Overall Length: 13.5” (34.3 cm)</td>
</tr>
<tr>
<td>Blade Neck Width: 29.8 mm</td>
<td></td>
</tr>
<tr>
<td>Blade Flared End Width: 34.7 mm</td>
<td></td>
</tr>
<tr>
<td>6145 [Large]</td>
<td>Overall Length: 15.5” (39.4 cm)</td>
</tr>
<tr>
<td>Blade Neck Width: 33.6 mm</td>
<td></td>
</tr>
<tr>
<td>Blade Flared End Width: 39.3 mm</td>
<td></td>
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</tbody>
</table>
Modified Anterior Hip Retractor

Designed to provide exposure of the proximal femur

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>6421 [Narrow Tip]</th>
<th>6422 [Wide Tip]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length:</td>
<td>15.75” (40 cm)</td>
<td>15.75” (40 cm)</td>
</tr>
<tr>
<td>Blade Width:</td>
<td>1.15” (3 cm)</td>
<td>1.15” (3 cm)</td>
</tr>
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</table>

Modified Anterolateral Retractor Set

Used for anterior MIS hip surgery

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
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<tbody>
<tr>
<td>6161.00 [Modified Anterolateral Retractor Set]</td>
</tr>
<tr>
<td>Set includes: (2) 6162, (1) 6163, (1) 6164</td>
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</table>

Also available individually:

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length:</td>
<td>14.5” (36.9 cm)</td>
<td>8.5” (21.6 cm)</td>
<td>15.25” (38.8 cm)</td>
</tr>
<tr>
<td>Blade Width:</td>
<td>25 mm</td>
<td>18 mm</td>
<td>25 mm</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>4549</th>
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</thead>
<tbody>
<tr>
<td>Overall Length:</td>
<td>8.75” (22.2 cm)</td>
</tr>
<tr>
<td>Blade Width:</td>
<td>.75” (19 mm)</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)

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

O’Reilly Direct Access Anterior Broaching Retractor
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

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:
3416
Overall Length: 13" (33 cm)
Handle Length: 6.5" (16.5 cm)
Blade Width at Widest: 1.25" (31.7 mm)
**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>

**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*

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>8028</td>
</tr>
<tr>
<td>Overall Length: 12&quot; (30.5 cm)</td>
</tr>
<tr>
<td>Blunt Reamer Length: 2&quot; (5.1 cm)</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.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>6148</td>
</tr>
<tr>
<td>Overall Length: 12.625&quot; (32.1 cm)</td>
</tr>
<tr>
<td>Blade Length: 3&quot; (7.6 cm)</td>
</tr>
</tbody>
</table>
Rockowitz T-Handle Femoral Canal Finder Rasp
Designed 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

**PRODUCT NO:**
4990  [Rockowitz Rasp]  
Overall Length: 9” (22.9 cm)

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

T-Handle Femoral Canal Finder – Smooth

**PRODUCT NO:**
4990-03  [Smooth]  
Overall Length: 9.385” (24.4 cm)

**SMOOTH DESIGN**
No rasp — smooth underside, sides, and topside

Modified T-Handle Femoral Canal Finder Rasp

**PRODUCT NO:**
4989  [Modified Rasp]  
Overall Length: 9” (22.9 cm)

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

Hendren Self-Retaining Retractor
Designed by D.H. Hendren, MD
Gentle on tissue and very effective in holding back subcutaneous fat
Also useful for retracting the deltoid muscle firmly.

**PRODUCT NO:**
1745  
Overall Length: 5.5” (14 cm)  
Blade Size: 18 mm x 13 mm
Double Bent Extended Deep Tissue Retractor

Designed to help maximize exposure with 90° arms and deep tissue blades

PRODUCT NO: 1859

- Overall Length: 8" (20.3 cm)
- Handle-to-Bend Length: 6" (15.2 cm)
- Drop Depth: 3" (7.6 cm)
- Prong: 1.375" Deep x 1.375" Wide (3.5 cm x 3.5 cm)

Whelan Large Anterior Hip Weitlaner Retractor

Designed by Edward J. Whelan III, 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 M. Alvi, 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)

3 x 4 Blunt

3 x 4 Sharp

Available April 2020

WWW.INNOMED.NET

FREE TRIAL ON MOST INSTRUMENTS
**Durham Offset Zelpi Retractor**

*Designed by Alfred Durham, MD*

Staggered depth retractor designed for exposure during total hip and total shoulder surgery

- In hip surgery, with the handle towards the surgeon, the longer leg is on the inside.
- In shoulder surgery, with the handle downward, the longer leg is on the outside.
- The longer leg extends 1.1" (2.8 cm) deeper.

**PRODUCT NO’S:**

- **1573-L** [Left]
  - Overall Length: 8.5" (21.6 cm)
  - Leg Depths: 3.1" & 4.2" (7.9 cm & 10.7 cm)

- **1573-R** [Right]
  - Overall Length: 8.5" (21.6 cm)
  - Leg Depths: 3.1" & 4.2" (7.9 cm & 10.7 cm)

---

**Trauma/Spine Deep Tissue Retractor**

*Designed to help maximize exposure with 90° arms and deep tissue blades*

**PRODUCT NO’S:**

- **1862** [4 Teeth]
  - Overall Length: 7.5" (19.1 cm)
  - Handle-to-Bend Length: 6" (15.2 cm)
  - Drop Depth: 3.25" (8.3 cm)
  - Prongs: 1.5" Long x .75" Wide (38 mm x 19 mm)

- **1863** [7 Teeth]
  - Overall Length: 7.5" (19.1 cm)
  - Handle-to-Bend Length: 6" (15.2 cm)
  - Drop Depth: 3.25" (8.3 cm)
  - Prongs: 1.5" Long x 1.375" Wide (38 mm x 35 mm)

---

**Paprosky Acetabular Spreader**

*Designed by Wayne Paprosky, MD*

Designed to distract an acetabular discontinuity

**PRODUCT NO:**

- **1879**
  - Overall Length: 12" (30.5 cm)
  - Pads: 14 mm x 22 mm
**Flat Gelpi Retractors**

*Designed to help retract a broader area of soft tissue or muscle*

The two largest sizes feature double ergonomic handles for increased comfort and control.

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4191 <strong>[Small]</strong></td>
</tr>
<tr>
<td>Overall Length: 6.5&quot; (16.5 cm)</td>
</tr>
<tr>
<td>Prong Depth: 1.25&quot; (3.2 cm)</td>
</tr>
</tbody>
</table>

| 4192 **[Medium]**  |
| Overall Length: 7.25" (18.4 cm)  |
| Prong Depth: 1.75" (4.4 cm)  |

| 4193 **[Large]**  |
| Overall Length: 8" (20.3 cm)  |
| Prong Depth: 3" (7.6 cm)  |

| 4194 **[Deep]**  |
| Overall Length: 10" (25.4 cm)  |
| Prong Depth: 5" (12.7 cm)  |

**Gelpi Retractors**

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4180 <strong>[Standard]</strong></td>
</tr>
<tr>
<td>Overall Length: 7.5&quot; (19.1 cm)</td>
</tr>
</tbody>
</table>

| 4181 **[With Ergonomic Handle]**  |
| Overall Length: 7.8" (19.8 cm)  |

**Romanelli Deep Gelpi Retractor**

*Designed by Ron Romanelli, MD*

*Offers the versatility and ability to be used in minimally invasive total hip replacements*

Can be used to hold the hip capsule out of the way for easy visualization, and to allow reaming of the acetabulum without catching the capsule in the reamer. The ends of the retractor have dull tips to help avoid soft tissue damage. Wider separation occurs at the deep capsule level. Holds the muscle out of the way while retracting the capsule.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4270</td>
</tr>
<tr>
<td>Overall Length: 7.45&quot; (18.9 cm)</td>
</tr>
<tr>
<td>Depth from Bend: 5.125&quot; (13 cm)</td>
</tr>
<tr>
<td>Prong Length: .5&quot; (1.3 cm)</td>
</tr>
</tbody>
</table>
**Tube and Extender Pins**

Designed to help achieve wide exposure of the acetabulum during total hip arthroplasty

Tube pins with depth stops are inserted under direct visualization into the thick bone of the posterior column and iliac wing. Extender pins placed in the tube pins help keep the soft tissues from obstructing the view of the acetabulum. The low profile of the tube pins helps keep them out of the way of the surgeon. The extender pin can be removed or left in the tube pin depending on the size of the patient.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
</table>
| 1230 | Tube Pin | Diameter at End: 1/8” (3,2 mm)  
Overall Length: 70 mm  
Length to Stop: 20 mm |
| 1250 | Extender Pin | Diameter: 3/8” (3,2 mm)  
Overall Length: 100 mm |

**Rogożinski Reverse Angle Retractor**

Designed to be self-leveling, helping to maintain the body of the retractor on the patient for soft tissue retraction and out of the surgeons field, with finger loops designed for use with either hand

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
</table>
| 4272 | [Large] | Overall Length: 9” (22,9 cm)  
Length to Bend: 8” (20,3 cm)  
Depth: 4.25” (10,8 cm) |
| 4273 | [Medium] | Overall Length: 8” (20,3 cm)  
Length to Bend: 8” (20,3 cm)  
Depth: 3” (7,6 cm) |
| 4274 | [Small] | Overall Length: 8” (20,3 cm)  
Length to Bend: 8” (20,3 cm)  
Depth: 1.75” (4,4 cm) |

**Amstutz Charnley-type Acetabular Exposure Pin Set**

Designed by Harlan C. Amstutz, MD  
Used to enhance exposure in the acetabulum

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
</table>
| 1200-00 | [Set: Ins/Ext & Two Pins] | Overall Length: 4.5” (11,4 cm)  
Pin Depth: 3” (5,1 cm)  
Pin Diameter: 3.9 mm |
| 1200-01 | [Inserter/Extractor] | |
| 1200-02 | [Pin] | Overall Length: 4.5” (11,4 cm)  
Pin Diameter: 3.9 mm |
| 1200-03 | [Pin with Stop] | Overall Length: 4.5” (11,4 cm)  
Pin Tip-to-Stop Depth: 3.2 mm  
Pin Diameter: 3.9 mm |
| 1200-04 | [Deep Pin] | Overall Length: 7” (17,8 cm)  
Pin Depth: 4.5” (11,4 cm)  
Pin Diameter: 3.9 mm |

**Helpful tools for inserting/removing pins.**

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1205</td>
<td>Pin Inserter</td>
<td></td>
</tr>
<tr>
<td>3030</td>
<td>Pin Inserter/Extractor</td>
<td></td>
</tr>
</tbody>
</table>

**Rogozinski Charnley-type Acetabular Exposure Pin Set**

Designed by Harlan C. Amstutz, MD

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
</table>
| 1200-00 | [Set: Ins/Ext & Two Pins] | Overall Length: 4.5” (11,4 cm)  
Pin Depth: 3” (5,1 cm)  
Pin Diameter: 3.9 mm |
| 1200-01 | [Inserter/Extractor] | |
| 1200-02 | [Pin] | Overall Length: 4.5” (11,4 cm)  
Pin Diameter: 3.9 mm |
| 1200-03 | [Pin with Stop] | Overall Length: 4.5” (11,4 cm)  
Pin Tip-to-Stop Depth: 3.2 mm  
Pin Diameter: 3.9 mm |
| 1200-04 | [Deep Pin] | Overall Length: 7” (17,8 cm)  
Pin Depth: 4.5” (11,4 cm)  
Pin Diameter: 3.9 mm |

**Rogozinski Charnley-type Acetabular Exposure Pin Set**

Designed by Harlan C. Amstutz, MD

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
</table>
| 1200-00 | [Set: Ins/Ext & Two Pins] | Overall Length: 4.5” (11,4 cm)  
Pin Depth: 3” (5,1 cm)  
Pin Diameter: 3.9 mm |
| 1200-01 | [Inserter/Extractor] | |
| 1200-02 | [Pin] | Overall Length: 4.5” (11,4 cm)  
Pin Diameter: 3.9 mm |
| 1200-03 | [Pin with Stop] | Overall Length: 4.5” (11,4 cm)  
Pin Tip-to-Stop Depth: 3.2 mm  
Pin Diameter: 3.9 mm |
| 1200-04 | [Deep Pin] | Overall Length: 7” (17,8 cm)  
Pin Depth: 4.5” (11,4 cm)  
Pin Diameter: 3.9 mm |

**Rogozinski Charnley-type Acetabular Exposure Pin Set**

Designed by Harlan C. Amstutz, MD

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
</table>
| 1200-00 | [Set: Ins/Ext & Two Pins] | Overall Length: 4.5” (11,4 cm)  
Pin Depth: 3” (5,1 cm)  
Pin Diameter: 3.9 mm |
| 1200-01 | [Inserter/Extractor] | |
| 1200-02 | [Pin] | Overall Length: 4.5” (11,4 cm)  
Pin Diameter: 3.9 mm |
| 1200-03 | [Pin with Stop] | Overall Length: 4.5” (11,4 cm)  
Pin Tip-to-Stop Depth: 3.2 mm  
Pin Diameter: 3.9 mm |
| 1200-04 | [Deep Pin] | Overall Length: 7” (17,8 cm)  
Pin Depth: 4.5” (11,4 cm)  
Pin Diameter: 3.9 mm |
For hip surgery with large patients, and when extra large instruments are desired for increased depth and leverage.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Length</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>3418</td>
<td>Extra Deep Mueller-type Femoral Neck Elevator</td>
<td>Overall: 15.25&quot; (38.8 cm)</td>
<td>Handle: 6.5&quot; (16.5 cm)</td>
</tr>
<tr>
<td>4535-01</td>
<td>Extra Deep Modified Narrow Hohmann</td>
<td>Overall: 11.5&quot; (29.2 cm)</td>
<td>Blade Width: 16.4 mm</td>
</tr>
<tr>
<td>4540-01</td>
<td>Extra Deep Long Narrow Blunt Hohmann</td>
<td>Overall: 13.25&quot; (33.7 cm)</td>
<td>Blade Width: 22 mm</td>
</tr>
<tr>
<td>4550-01</td>
<td>Extra Deep Modified Blunt Hohmann</td>
<td>Overall: 13.25&quot; (33.7 cm)</td>
<td>Blade Width at End: 16 mm</td>
</tr>
<tr>
<td>4555-01</td>
<td>Extra Deep Modified Wide Hohmann</td>
<td>Overall: 11.5&quot; (29.2 cm)</td>
<td>Blade Width: 42.5 mm</td>
</tr>
<tr>
<td>6450-01</td>
<td>Extra Deep Single Prong Soft Tissue</td>
<td>Overall: 11.5&quot; (29.2 cm)</td>
<td>Blade Width: 22.3 mm</td>
</tr>
<tr>
<td>6570-01</td>
<td>Extra Deep Single Prong Acetabular</td>
<td>Overall: 11.5&quot; (29.2 cm)</td>
<td>Blade Width: 22.3 mm</td>
</tr>
<tr>
<td>6595-01</td>
<td>Extra Deep Modified Wide Hohmann</td>
<td>Overall: 11.5&quot; (29.2 cm)</td>
<td>Blade Width: 42.5 mm</td>
</tr>
<tr>
<td>7115-03</td>
<td>Extra Deep Bent Hohmann</td>
<td>Overall: 12.125&quot; (30.8 cm)</td>
<td>Handle: 9.75&quot; (24.8 cm)</td>
</tr>
<tr>
<td>7630-03</td>
<td>Extra Deep Large Cobra</td>
<td>Overall: 19&quot; (48.3 cm)</td>
<td>Handle: 14&quot; (35.6 cm)</td>
</tr>
</tbody>
</table>

Extra Deep Hip Retractors

All Extra Deep retractors are 2" (5 cm) longer than their standard version.

For hip surgery with large patients, and when extra large instruments are desired for increased depth and leverage.
Extra Deep Cobra Retractors

A general purpose instrument for use around the femur and acetabulum in larger patients

A full 2" (5 cm) longer in the wide cobra blade portion than our standard cobra retractor.

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th></th>
<th>Overall Length: 12.75&quot; (32.4 cm)</th>
<th>Handle Length: 6.75&quot; (17 cm)</th>
<th>Blade Width at Widest: 33 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>6133 (Standard Tip)</td>
<td>Overall Length: 12.75&quot; (32.4 cm)</td>
<td>Handle Length: 6.75&quot; (17 cm)</td>
<td>Blade Width at Widest: 33 mm</td>
<td></td>
</tr>
<tr>
<td>6134 (Cross-Hatched Tip)</td>
<td>Overall Length: 12.75&quot; (32.4 cm)</td>
<td>Handle Length: 6.75&quot; (17 cm)</td>
<td>Blade Width at Widest: 33 mm</td>
<td></td>
</tr>
</tbody>
</table>

A full 2" (5 cm) longer in the wide cobra blade portion than our standard cobra retractor.

Deep Cobra Retractor

A general purpose instrument for use around the femur and acetabulum in larger patients

Lighted retractor comes with one (1) Disposable LED Light Source (see page 46), and can also be attached to a fiber optic light cable with ACMI (female) connector, and can be steam sterilized.

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th></th>
<th>Overall Length: 14.5&quot; (36.9 cm)</th>
<th>Handle Length: 7&quot; (17.8 cm)</th>
<th>Blade Width at Widest: 33 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>6135 (Deep)</td>
<td>Overall Length: 14.5&quot; (36.9 cm)</td>
<td>Handle Length: 7&quot; (17.8 cm)</td>
<td>Blade Width at Widest: 33 mm</td>
<td></td>
</tr>
<tr>
<td>6135-L-01 (Lighted Deep)</td>
<td>Overall Length: 14.5&quot; (36.9 cm)</td>
<td>Handle Length: 7&quot; (17.8 cm)</td>
<td>Blade Width at Widest: 33 mm</td>
<td></td>
</tr>
</tbody>
</table>

Hibbs Retractor – Extra Large

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>
<th></th>
<th>Overall Length: 14.25&quot; (36.2 cm)</th>
<th>Handle Length: 13&quot; (33 cm)</th>
<th>Blade Depth: 6.5&quot; (16.5 cm)</th>
<th>Blade Width: 38 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>6230</td>
<td>Overall Length: 14.25&quot; (36.2 cm)</td>
<td>Handle Length: 13&quot; (33 cm)</td>
<td>Blade Depth: 6.5&quot; (16.5 cm)</td>
<td>Blade Width: 38 mm</td>
<td></td>
</tr>
</tbody>
</table>

1.800.548.2362  ▲  FEBRUARY 2020  ▲  HIP EXPOSURE & POSITIONING INSTRUMENTS
Extra Leverage Femoral Neck Elevators

Infero-posterior Acetabular Capsule Retractors

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Right</th>
<th>Overall Length: 12” (30,5 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7620-01</td>
<td></td>
<td>Handle-to-Bend Length: 6” (15,2 cm)</td>
</tr>
<tr>
<td>7620-02</td>
<td>Left</td>
<td>Overall Length: 12” (30,5 cm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Handle-to-Bend Length: 6” (15,2 cm)</td>
</tr>
</tbody>
</table>

Large Cobra Retractors

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>7630-01</td>
<td>Overall Length: 17.5” (44,5 cm)</td>
</tr>
<tr>
<td></td>
<td>Handle Length: 14” (35,6 cm)</td>
</tr>
<tr>
<td>7630-02</td>
<td>Wide</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 17.5” (44,5 cm)</td>
</tr>
<tr>
<td></td>
<td>Handle Length: 14” (35,6 cm)</td>
</tr>
</tbody>
</table>

Extra Leverage Proximal Femoral Elevator

| PRODUCT NO: | Overall Length: 17.5” (44,5 cm) |
|-------------| Handle Length: 13” (33 cm) |
|             | Blade Width at Widest: 63 mm |

Extra Leverage Femoral Neck Elevators

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>7650</td>
<td>Overall Length: 18.25” (46,4 cm)</td>
</tr>
<tr>
<td></td>
<td>Handle Length: 9.25” (23,5 cm)</td>
</tr>
<tr>
<td></td>
<td>Blade Width: 8 mm</td>
</tr>
<tr>
<td>7650-02</td>
<td>Short Handle</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 15.25” (38,8 cm)</td>
</tr>
<tr>
<td></td>
<td>Handle Length: 6.25” (15,9 cm)</td>
</tr>
<tr>
<td></td>
<td>Blade Width: 38 mm</td>
</tr>
</tbody>
</table>

Design by Wayne M. Goldstein, MD

For hip surgery with large patients, and when extra large instruments are desired for increased leverage and depth.
**McPherson Retractor Extender**  
Designed by Ed McPherson, MD  
**Designed to extend a standard retractor to help provide additional leverage**  
Fits most retractors.  

**PRODUCT NO:**  
6022  
Overall Length: 15.625" (39.7 cm)

---

**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)

---

**Hand/Waist Rest Adapter**  
Designed by Matthew Clayton, MD  
**Designed to allow for hands-free use of a femoral elevator during posterior approach hip arthroplasty**  
Locking screw tightens onto the handle of many retractors/elevators to add a large surface for holding either by hand or by pressing into the waist

**PRODUCT NO:**  
8206  
- Overall Length: 8" (20.3 cm)  
- Handle Insert Depth: 2.5" (6.4 cm)  
- Handle Insert Internal Diameter: 1" (2.5 cm)  
- Rest Pad Dimensions: 4" x 4" (10.2 x 10.2 cm)
Goytia Stackable Hohmann Retractors

Interlocking design helps to increase depth and leverage in hip exposure, particularly of the anterior acetabulum—especially useful with large patients.

- Custom fitted holes for interlocking retractors help provide stability.
- When “stacked”, the increased lever arm of the retractor helps reduce fatigue.
- Ideal for use with large patients where extra depth, leverage, and force is needed.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Product</th>
<th>Type</th>
<th>Overall Length</th>
<th>Blade Width: 22 mm</th>
<th>Blade Width at End: 16 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>4551</td>
<td>Standard</td>
<td>9.25&quot;</td>
<td>19.5 mm</td>
<td>13&quot; (33 cm)</td>
</tr>
<tr>
<td>4552</td>
<td>Bent</td>
<td>8.25&quot;</td>
<td>19.5 mm</td>
<td>13&quot; (33 cm)</td>
</tr>
<tr>
<td>4553</td>
<td>Wide</td>
<td>9.25&quot;</td>
<td>43 mm</td>
<td>13&quot; (33 cm)</td>
</tr>
</tbody>
</table>

**Long Curved Hohmann Retractors—Narrow**

<table>
<thead>
<tr>
<th>Product</th>
<th>Type</th>
<th>Overall Length</th>
<th>Blade Width: 22 mm</th>
<th>Blade Width at End: 16 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>6204</td>
<td>Short Blade</td>
<td>16&quot; (40.7 cm)</td>
<td>13&quot; (33 cm)</td>
<td>22 mm</td>
</tr>
<tr>
<td>6205</td>
<td>Long Blade</td>
<td>15.25&quot; (38.8 cm)</td>
<td>13&quot; (33 cm)</td>
<td>22 mm</td>
</tr>
</tbody>
</table>

**Long Narrow Hohmann Retractor—Blunt**

<table>
<thead>
<tr>
<th>Product</th>
<th>Type</th>
<th>Overall Length</th>
<th>Blade Width: 22 mm</th>
<th>Blade Width at End: 16 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>4540</td>
<td>Standard</td>
<td>11.375&quot; (28.9 cm)</td>
<td>22 mm</td>
<td>16 mm</td>
</tr>
<tr>
<td>4540-01</td>
<td>Extra Deep</td>
<td>13.25&quot; (33.7 cm)</td>
<td>22 mm</td>
<td>16 mm</td>
</tr>
</tbody>
</table>
Retractors for Hip Surgery

For general use in total, minimally invasive, and revision hip surgery

**A. Single Prong Double Bent Hohmann Acetabular Retractor**

**PRODUCT NO’S:**

- **6210 [Standard Blade]**
  - Overall Length: 10.5” (26.7 cm)
  - Blade + Tip Length: 2.5” (64 mm)
  - Blade Width: 15 mm

- **6212 [Longer Blade]**
  - Overall Length: 11.25” (28.6 cm)
  - Blade + Tip Length: 3.5” (89 mm)
  - Blade Width: 15 mm

**B. Broad Acetabular Retractor**

**PRODUCT NO:**

- **6320 [Single Prong]**
  - Overall Length: 12” (30,5 cm)
  - Blade Width: 40 mm

- **6160 [Double Prong]**
  - Overall Length: 12.5” (31.8 cm)
  - Blade Width: 40 mm

**C. 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

- **6450-01 [Extra Deep]**
  - Overall Length: 13.375” (34,9 cm)
  - Blade Width: 22.3 mm

- **6450-04 [Extra Deep w/Short Tip]**
  - Overall Length: 12.375” (31.4 cm)
  - Blade Width: 22.3 mm

- **6450-02 [Straight Tip]**
  - Overall Length: 12.125” (30,8 cm)
  - Blade Width: 22.3 mm

**D. Single Prong Acetabular Retractor**

**PRODUCT NO:**

- **6570 [Standard]**
  - Overall Length: 12.125” (30,8 cm)
  - Blade Width: 22.3 mm

- **6570-01 [Extra Deep]**
  - Overall Length: 13.75” (34,9 cm)
  - Blade Width: 22.3 mm

**E. Single & Double Prong Double Bent Hohmann Acetabular Retractor – Long**

**PRODUCT NO’S:**

- **6210-02 [Single Prong Standard Blade]**
  - Overall Length: 12.5” (31,8 cm)
  - Blade + Tip Length: 3” (76 mm)
  - Blade Width: 15 mm

- **6210-02L-01 [Lighted Single Prong Standard Blade]**
  - Overall Length: 12.5” (31,8 cm)
  - Blade + Tip Length: 3” (76 mm)
  - Blade Width: 15 mm

- **6211 [Single Prong Standard Blade with Extra Grip Tip]**
  - Overall Length: 12.5” (31,8 cm)
  - Blade + Tip Length: 3” (76 mm)
  - Blade Width: 15 mm

- **6213 [Single Prong Longer Blade]**
  - Overall Length: 15” (38,1 cm)
  - Blade + Tip Length: 5” (127 mm)
  - Blade Width: 15 mm

- **6220 [Double Prong Standard Blade]**
  - Overall Length: 12.5” (31,8 cm)
  - Blade + Tip Length: 3” (76 mm)
  - Blade Width: 15 mm

Lighted retractor comes with one (1) Disposable LED Light Source (see page 46), and can also be attached to a fiber optic light cable with ADM (female) connector.

**F. Single & Double Prong Double Bent Hohmann Acetabular Retractor – Extra Long**

**PRODUCT NO’S:**

- **6210-04 [Standard Blade]**
  - Overall Length: 16.25” (41,3 cm)
  - Blade + Tip Length: 3” (76 mm)
  - Blade Width: 15 mm

- **6214 [Longer Blade]**
  - Overall Length: 18” (45,7 cm)
  - Blade + Tip Length: 5” (127 mm)
  - Blade Width: 15 mm
Bent Hohmann Retractors

*Helps retract tissues at the margins of the joint*

Can be passed over the margins of the joint and held in place with weights or by hand.

The OrthoLucent™ version is made of a strong, lightweight carbon fiber PEEK composite material, which is completely radiolucent, helps to prevent from marring component surfaces, and can be steam sterilized.

**PRODUCT NO’S:**

| #6590 (Wide) | Overall Length: 9.375” (23.8 cm) | Handle Length: 7” (17.8 cm) | Blade Width: 19 mm | Depth from Bend: 4.75” (12.1 cm) |
| #6590-01 [Wide w/Extra Long Handle] | Overall Length: 11” (27.9 cm) | Handle Length: 9” (22.9 cm) | Blade Width: 41 mm | Depth from Bend: 5.5” (14 cm) |

| #7110 [Narrow] | Overall Length: 9.75” (24.8 cm) | Handle Length: 7” (17.8 cm) | Blade Width: 19 mm | Depth from Bend: 4.75” (12.1 cm) |
| #7110-01 [Narrow with Extra Long Handle] | Overall Length: 11.5” (29.2 cm) | Handle Length: 10” (25.4 cm) | Blade Width: 19 mm | Depth from Bend: 4.75” (12.1 cm) |

| #7110-R* [OrthoLucent™ Narrow] | Overall Length: 9.75” (24.8 cm) | Handle Length: 7” (17.8 cm) | Blade Width: 19 mm | Depth from Bend: 4.25” (10.8 cm) |
| #7111 [Narrow with Extra Grip Tip] | Overall Length: 9.75” (24.8 cm) | Handle Length: 7” (17.8 cm) | Blade Width: 19 mm | Depth from Bend: 4.25” (10.8 cm) |

| #7115 [Short-tipped Narrow] | Overall Length: 8.625” (21.9 cm) | Handle Length: 7” (17.8 cm) | Blade Width: 19 mm | Depth from Bend: 4.4” (11.2 cm) |
| #7115-03 [Extra Deep Short-tipped Narrow] | Overall Length: 12.125” (31.1 cm) | Handle Length: 9.75” (24.8 cm) | Depth from Bend: 6.25” (15.9 cm) | Blade Width: 19 mm |

**Modular Weights**

Weights can be used to help hold the retractors in place.

| PRODUCT NO’S: | | |
| 3430-01 | 1.5 lbs. (.68 kg) |
| 3430-02 | 2.0 lbs. (.91 kg) |
| 3430-03 | 2.5 lbs. (1.13 kg) with attaching hook |

**OrthoLucent™**

Made exclusively for Innomed in Switzerland

Extra Deep Short-tipped Narrow

Bent Hohmann Retractors—Wide

Bent Hohmann Retractors—Narrow

**FREE TRIAL ON MOST INSTRUMENTS**

WWW.INNOMED.NET
Hohmann Retractor

*Designed like the original Hohmann-style retractor*

The OrthoLucent™ version is made of a strong, lightweight carbon fiber PEEK composite material, which is completely radiolucent, helps to prevent from marring component surfaces, and can be steam sterilized.

**PRODUCT NO’S:**

- **4535** [Narrow]
  
  Overall Length: 10" (25.4 cm)
  Blade Width: 14 mm

- **4535-R** [OrthoLucent™ Narrow]
  
  Overall Length: 10" (25.4 cm)
  Blade Width: 18 mm

- **4535-01** [Extra Deep Narrow]
  
  Overall Length: 11.5" (29.2 cm)
  Blade Width: 16.4 mm

- **4545** [Short-tipped Narrow]
  
  Designed by Carl DiRaimondo, MD
  
  Overall Length: 11.5" (29.2 cm)
  Blade Width: 14 mm

- **6595** [Wide]
  
  Overall Length: 10" (25.4 cm)
  Blade Width: 42.5 mm

- **6595-01** [Extra Deep Wide]
  
  Overall Length: 11.5" (29.2 cm)
  Blade Width: 42.5 mm

*OrthoLucent™* MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

---

Modified Blunt Hohmann Retractor

*Used for soft tissue retraction*

The OrthoLucent™ version is made of a strong, lightweight carbon fiber PEEK composite material, which is completely radiolucent, helps to prevent from marring component surfaces, and can be steam sterilized.

**PRODUCT NO’S:**

- **4550** [Standard]
  
  Blade Width at End: 11 mm
  Overall Length: 10.75" (27.3 cm)

- **4550-R** [OrthoLucent™]
  
  Blade Width at Widest: 24.5 mm
  Overall Length: 10.75" (27.3 cm)

- **4550-01** [Extra Deep]
  
  Blade Width at End: 11 mm
  Overall Length: 13.25" (33.7 cm)

*OrthoLucent™* MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

---

Modified Hohmann Retractors

*Handle is contoured to allow better leverage and visualization*

Useful for retracting tissues around the bone. Can be held in place with weights or by hand.

**PRODUCT NO’S:**

- **4535** [Narrow]
  
  Overall Length: 10" (25.4 cm)
  Blade Width: 14 mm

- **4535-R** [OrthoLucent™ Narrow]
  
  Overall Length: 10" (25.4 cm)
  Blade Width: 18 mm

- **4535-01** [Extra Deep Narrow]
  
  Overall Length: 11.5" (29.2 cm)
  Blade Width: 16.4 mm

- **4545** [Short-tipped Narrow]
  
  Designed by Carl DiRaimondo, MD
  
  Overall Length: 9.5" (24.1 cm)
  Blade Width: 14 mm

- **6595** [Wide]
  
  Overall Length: 10" (25.4 cm)
  Blade Width: 42.5 mm

- **6595-01** [Extra Deep Wide]
  
  Overall Length: 11.5" (29.2 cm)
  Blade Width: 42.5 mm

*OrthoLucent™* MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND
Wetzel Modified Hohmann Retractor
Designed by Robert Wetzel, MD and Todd McKinley, MD
The long point is designed to be placed around, on, or through a bony structure and then levered back to retract tissue. The handle is contoured to allow better leverage and visualization. Can be held in place with weights or by hand.

Anterior Watson Jones Straight Hohmann Retractor

Anterior Watson Jones Deep Hohmann Retractor

Modified Anterolateral Small Hohmann Retractor

Narrow Right Angle Retractor
Designed for soft tissue retraction

PRODUCT NO:
C1011
Overall Length: 8.5" (21.6 cm)
Handle Length: 6.75" (17.1 cm)
Blade Depth: 4.5" (11.4 cm)
Blade Width: .375" (1 cm)

PRODUCT NO:
4539
Overall Length: 10" (25.4 cm)
Blade Width: .85" (21.5 mm)

PRODUCT NO:
6306
Blade Width: 17 mm
Prong Length: 34 mm
Overall Length: 9.25" (23.5 cm)

PRODUCT NO:
6307
Prong Length: 4.2 cm
Overall Length: 9.5" (24.1 cm)

PRODUCT NO:
6163
Overall Length: 8.5" (21.6 cm)
Blade Width: 18 mm

PRODUCT NO:
6307
Prong Length: 4.2 cm
Overall Length: 9.5" (24.1 cm)

WWW.INNOMED.NET
FREE TRIAL ON MOST INSTRUMENTS

28
**Retractors with Extra Grip Tip**

*Extra grip Tip design modification by Alfred A. Durham, MD*

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6211</td>
<td>Single Prong Acetabular</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 12.5&quot; (31.8 cm)</td>
</tr>
<tr>
<td></td>
<td>Blade + Tip Length: 3&quot; (76mm)</td>
</tr>
<tr>
<td></td>
<td>Blade Width: 15mm</td>
</tr>
<tr>
<td>7111</td>
<td>Bent Hohmann Narrow</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 9.75&quot; (24.8 cm)</td>
</tr>
<tr>
<td></td>
<td>Blade Width: 19 mm</td>
</tr>
<tr>
<td></td>
<td>Depth from Bend: 4.25&quot; (10.8 cm)</td>
</tr>
</tbody>
</table>

**New!**

**Short Tip Acetabular Retractor**

*Designed for retraction around the acetabulum*

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>C1014</td>
<td>Overall Length: 13.25&quot; (33.7 cm)</td>
</tr>
<tr>
<td></td>
<td>Blade Depth: 4.5&quot; (11.4 cm)</td>
</tr>
<tr>
<td></td>
<td>Blade Width: 1&quot; (2.54 cm)</td>
</tr>
</tbody>
</table>

**Curved Hohmann Retractor—Wide**

<table>
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<tr>
<th>PRODUCT NO:</th>
<th>Description</th>
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<tbody>
<tr>
<td>6215</td>
<td>Overall Length: 13&quot; (33 cm)</td>
</tr>
<tr>
<td></td>
<td>Handle Length: 12&quot; (30.5 cm)</td>
</tr>
<tr>
<td></td>
<td>Blade Width: 43 mm</td>
</tr>
</tbody>
</table>

**Lombardi Femoral/Gluteus Medius Minimus Retractor**

*Designed by Adolph V. Lombardi Jr., MD*

*Designed for acetabular exposure, and to retract the gluteus medius minimus during femoral reaming*

For acetabular exposure, the retractor can be placed easily at the level of the ischium and driven into the ischium to retract the femur posteriorly when using an anterolateral approach to the hip. Also using an anterolateral approach or a modified Harding hip approach, the retractor can be placed in the tip of the greater trochanter and can effectively retract the abductor mechanism, namely the gluteus medius minimus so that reaming of the femur can be performed.
Dorr Curved Hohmann Acetabular Retractor
Placed over the top of the piriformis, helps retract the gluteus medius.

Dorr Narrow Bent Acetabular Retractors
Retracts the gluteus maximum off the trochanter and exposes the back of the greater trochanter. The long version is used with larger patients.

Dorr Bent Hohmann Acetabular Retractor
Placed between the capsule and outer external oblique muscle to protect medial circumflex vessels. The tip engages the condyloid notch bone (heaping), helps retract soft tissue during acetabular exposure.

**PRODUCT NO’S:**
- **D6105** [Dorr Curved Hohmann Acetabular]
  - Blade Width: 18.5 mm
  - Overall Length: 14" (35.6 cm)
  - Depth from Handle: 4.5" (11.4 cm)
- **D6108** [Dorr Narrow Bent Acetabular—Long]
  - Overall Length: 14.75" (37.5 cm)
  - Depth from Handle: 6" (15.2 cm)
  - Blade Width: 12.6 mm
- **D6110** [Dorr Narrow Acetabular]
  - Overall Length: 15" (38.1 cm)
  - Depth from Handle: 4.75" (12.1 cm)
  - Blade Width at Widest: 12 mm
- **D6112** [Dorr Bent Hohmann Acetabular]
  - Overall Length: 14.5" (36.9 cm)
  - Depth from Handle: 6" (15.2 cm)
  - Blade Width: 21 mm

Dorr Curved Blade Bent Hohmann Retractors
Used for both femoral exposure—placed around the femoral neck or beneath the top of the femoral head—and acetabular exposure—posterior superior of the acetabulum.

**PRODUCT NO’S:**
- **D6106** [Dorr Curved Blade Bent Hohmann]
  - Overall Length: 13.5" (34.3 cm)
  - Depth from Handle: 4.5" (11.4 cm)
  - Blade Width: 40 mm
- **D6107** [Dorr Curved Blade Double Bent Hohmann]
  - Overall Length: 8.5" (21.6 cm)
  - Depth from Handle: 5" (12.7 cm)
  - Blade Width: 25 mm
- **D6114** [Upward Double Bent Hohmann]
  - Overall Length: 14" (35.6 cm)
  - Blade Width at Flat Part of Handle: 5.5" (14 cm)
  - Depth from Flat Part of Handle: 20.5 mm

Dorr Femoral Neck Elevators
Placed under the proximal femur to help expose the femoral head. The wide version is useful with large patients, while the narrow is useful when broaching or when the implant is in place.

**PRODUCT NO’S:**
- **D6111** [Dorr Wide Femoral Neck Elevator]
  - Overall Length: 15" (38.1 cm)
  - Depth from Handle: 2" (5.1 cm)
  - Blade Width at Widest: 45 mm
- **D6113** [Dorr Narrow Femoral Neck Elevator]
  - Overall Length: 13.75" (34.9 cm)
  - Depth from Handle: 2.25" (5.7 cm)
  - Blade Width: 25 mm

Dorr Curved Hohmann Acetabular Retractor
Placed over the top of the piriformis, helps retract the gluteus medius.

Dorr Narrow Bent Acetabular Retractors
Retracts the gluteus maximum off the trochanter and exposes the back of the greater trochanter. The long version is used with larger patients.

**PRODUCT NO’S:**
- **D6105** [Dorr Curved Hohmann Acetabular]
  - Blade Width: 18.5 mm
  - Overall Length: 14" (35.6 cm)
  - Depth from Handle: 4.5" (11.4 cm)
- **D6108** [Dorr Narrow Bent Acetabular—Long]
  - Overall Length: 14.75" (37.5 cm)
  - Depth from Handle: 6" (15.2 cm)
  - Blade Width: 12.6 mm
- **D6110** [Dorr Narrow Acetabular]
  - Overall Length: 15" (38.1 cm)
  - Depth from Handle: 4.75" (12.1 cm)
  - Blade Width at Widest: 12 mm
- **D6112** [Dorr Bent Hohmann Acetabular]
  - Overall Length: 14.5" (36.9 cm)
  - Depth from Handle: 6" (15.2 cm)
  - Blade Width: 21 mm

Dorr Curved Blade Bent Hohmann Retractors
Used for both femoral exposure—placed around the femoral neck or beneath the top of the femoral head—and acetabular exposure—posterior superior of the acetabulum.

**PRODUCT NO’S:**
- **D6106** [Dorr Curved Blade Bent Hohmann]
  - Overall Length: 13.5" (34.3 cm)
  - Depth from Handle: 4.5" (11.4 cm)
  - Blade Width: 40 mm
- **D6107** [Dorr Curved Blade Double Bent Hohmann]
  - Overall Length: 8.5" (21.6 cm)
  - Depth from Handle: 5" (12.7 cm)
  - Blade Width: 25 mm
- **D6114** [Upward Double Bent Hohmann]
  - Overall Length: 14" (35.6 cm)
  - Blade Width at Flat Part of Handle: 5.5" (14 cm)
  - Depth from Flat Part of Handle: 20.5 mm

Dorr Femoral Neck Elevators
Placed under the proximal femur to help expose the femoral head. The wide version is useful with large patients, while the narrow is useful when broaching or when the implant is in place.

**PRODUCT NO’S:**
- **D6111** [Dorr Wide Femoral Neck Elevator]
  - Overall Length: 15" (38.1 cm)
  - Depth from Handle: 2" (5.1 cm)
  - Blade Width at Widest: 45 mm
- **D6113** [Dorr Narrow Femoral Neck Elevator]
  - Overall Length: 13.75" (34.9 cm)
  - Depth from Handle: 2.25" (5.7 cm)
  - Blade Width: 25 mm
Exposing Femoral Head
(femur rotated inwardly)

Exposure for Proximal Femur Reaming/Preparation

Exposure for Acetabulum Reaming/Preparation

Modular Weights
Weights can be used to help hold the retractors in place.

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Weight</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3430-01</td>
<td>1.5 lbs. (0.68 kg)</td>
</tr>
<tr>
<td>3430-02</td>
<td>2.0 lbs. (0.91 kg)</td>
</tr>
<tr>
<td>3430-03</td>
<td>2.5 lbs. (1.13 kg)</td>
</tr>
<tr>
<td></td>
<td>with attaching hook</td>
</tr>
</tbody>
</table>
Modified Curved Double Bent Hohmann Retractor
Designed by Lawrence Dorr, MD. Design modification by Bertrand P Kaper, MD

Designed to be placed on the anterior wall of the acetabulum, the double-bent angle allows for safe retraction of the reflected head of the rectus femoris, reducing concerns of over-retraction

**PRODUCT NO:**
D6107-MOD
- Overall Length: 8.5" (21.6 cm)
- Depth from Handle: 4.5" (11.4 cm)
- Blade Width: 2.74 mm

---

Stowell Modified Posterior Acetabular Retractor
Designed by R.L. Stowell, MD

Designed to be placed along the posterior rim of the acetabulum to facilitate exposure and acetabular preparation

**PRODUCT NO:**
T550
- Overall Length: 14.5" (36.9 cm)
- Handle Length: 5.25" (13.3 cm)
- Blade Depth: 4" (10.4 cm)
- Blade Width: 2.75" (7 cm)
- Prongs: 8 mm Wide x 6 mm Long

---

Rib Periosteal Rasp

**PRODUCT NO:**
C1004
- Overall Length: 17" (43.2 cm)
- Handle Length: 5" (12.7 cm)
- Rasp Pad: 7.5 x 12 mm

**New!**
Penenberg Gluteus Retractors
Designed by Brad Penenberg, MD

**PRODUCT NO’S:**

**7108-01 [Right]**
- Overall Length: 8.25” (21 cm)
- Handle to Bend Length: 6.5” (16.5 cm)
- Depth from Bend: 4.25” (10.8 cm)

**7108-02 [Left]**
- Overall Length: 8.25” (21 cm)
- Handle to Bend Length: 6.5” (16.5 cm)
- Depth from Bend: 4.25” (10.8 cm)

Superior Retractor
Used for retraction around the acetabulum, can be self retaining with the use of 1/8” (3.2 mm) pins

**PRODUCT NO:**
6027
- Overall Length: 12.875” (32.7 cm)
- Depth from Bend: 5.25” (13.3 cm)
- Blade Width: 25.4 mm
- Holes for Pins Up to: 1/8” (3.2 mm)

Taylor Retractors

**PRODUCT NO’S:**

**6330-01 [Standard]**
- Overall Length: 8” (20.3 cm)
- Depth from Bend: 4” (10.2 cm)
- Blade Width: 32 mm

**6330-02 [Deep]**
- Overall Length: 9” (23 cm)
- Depth from Bend: 5.5” (14 cm)
- Blade Width: 32 mm

**6330-03 [Deep with Pin Guides]**
- Overall Length: 9” (23 cm)
- Depth from Bend: 5.5” (14 cm)
- Blade Width: 32 mm
- Guide for Pins Up To: .125” (3.2 mm)

Modular Weights
Weights can be used to help hold the retractors in place.

**PRODUCT NO’S:**

**3430-01**
- 1.5 lbs. (.68 kg)

**3430-02**
- 2.0 lbs. (.91 kg)

**3430-03**
- 2.5 lbs. (1.13 kg)
- with attaching hook
Amstutz Hip Instruments

Amstutz Femoral Head-Neck Elevator
Used for acetabular exposure

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Description</th>
<th>Overall Length</th>
<th>Blade Width at Widest</th>
</tr>
</thead>
<tbody>
<tr>
<td>3410</td>
<td>Wide Blade</td>
<td>12.25&quot; (31.1 cm)</td>
<td>67 mm</td>
</tr>
<tr>
<td>3410-01</td>
<td>Narrow Blade</td>
<td>12.25&quot; (31.1 cm)</td>
<td>50 mm</td>
</tr>
</tbody>
</table>

Amstutz Femoral Retractor
Used for acetabular exposure

**PRODUCT NO:**

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Overall Length</th>
<th>Blade Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>6410</td>
<td>10.75&quot; (27.3 cm)</td>
<td>18 mm</td>
</tr>
</tbody>
</table>

Amstutz Charnley-type Acetabular Exposure Pin Set

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Description</th>
<th>Overall Length</th>
<th>Pin Depth</th>
<th>Pin Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1200-00</td>
<td>Set: Ins/Ext &amp; Two Pins</td>
<td>4.5&quot; (11.4 cm)</td>
<td>2&quot; (5.1 cm)</td>
<td>3.9 mm</td>
</tr>
<tr>
<td>1200-0A</td>
<td>Set: Ins/Ext &amp; Two Pins w/Stop</td>
<td>4.5&quot; (11.4 cm)</td>
<td>.75&quot; (1.9 cm)</td>
<td>3.2 mm</td>
</tr>
<tr>
<td>1200-01</td>
<td>Inserter/Extractor</td>
<td>4.5&quot; (11.4 cm)</td>
<td>.75&quot; (1.9 cm)</td>
<td>3.2 mm</td>
</tr>
<tr>
<td>1200-02</td>
<td>Pin</td>
<td>4.5&quot; (11.4 cm)</td>
<td>2&quot; (5.1 cm)</td>
<td>3.9 mm</td>
</tr>
<tr>
<td>1200-03</td>
<td>Pin with Stop</td>
<td>4.5&quot; (11.4 cm)</td>
<td>.75&quot; (1.9 cm)</td>
<td>3.2 mm</td>
</tr>
<tr>
<td>1200-04</td>
<td>Deep Pin</td>
<td>7&quot; (17.8 cm)</td>
<td>4.5&quot; (11.4 cm)</td>
<td>3.9 mm</td>
</tr>
</tbody>
</table>

Cement Packer & Trimmer

**PRODUCT NO:**

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Overall Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>4995</td>
<td>9.75&quot; (24.8 cm)</td>
</tr>
</tbody>
</table>
Harwin Modified Cobra Retractor Designed by Steven F. Harwin, MD, FACS

Designed for use during total hip and knee surgery

The long handle and obtuse angle provide ergonomic leverage—especially helpful for use with obese patients. In total hip surgery, the wide, concave blade design allows for enhanced exposure—especially useful in anterior hip surgery with the placement of reamers, and to elevate and expose the proximal femur.

In total knee surgery, the wide blade of the large retractor spans the prepared box and helps bring the tibia forward. The small retractor helps with retraction of the medial and lateral structures, where the wide, concave blade provides added exposure over standard bent Hohmann retractors. The serrated tip helps improve stability.

PRODUCT NO’S:

6143 [Large]
Overall Length: 14.75” (37.5 cm)
Blade Width: 43.2 mm
Tongue: 25 mm x 5 mm

614301 [Small]
Overall Length: 12.5” (31.8 cm)
Blade Width: 30 mm
Tongue: 25 mm x 5 mm

Jana Lighted Cobra Retractor Designed by Ajoy K. Jana, MD

Designed to enhance exposure & visualization

Excellent for use in acetabular exposure and total hip replacements. Especially useful for anterior approach. The retractor comes with one (1) Disposable LED Light Source (see page 46), and can also be attached to a fiber optic light cable with ACMI (female) connector. The retractor can be steam sterilized.

PRODUCT NO:
6119-L-01
Overall Length: 14.2” (36 cm)
Blade at Widest: 33 mm

Anterior Watson Jones 90° Cobra Retractor

PRODUCT NO:
6305 [90° Cobra Retractor]
Blade at Widest: 37 mm
Blade Depth: 7.5” (19.1 cm)
Blade Prong: 18 mm Long x 10 mm Wide
Overall Length: 12.5” (31.8 cm)
Handle Length: 9.5” (24.1 cm)
**Deep Cobra Retractor**

A general purpose instrument for use around the femur and acetabulum in larger patients

Lighted retractor comes with one (1) Disposable LED Light Source (see page 46), and can also be attached to a fiber optic light cable with ACMI (female) connector. Retractor can be steam sterilized.

**Large Cobra Retractors**

A general purpose instrument for use around the femur and acetabulum in larger patients

**Cobra Retractor with Hand Rest**

**PRODUCT NO:** 7120

Overall Length: 10.25" (26 cm)
Blade Width at Widest: 32 mm

**Unger Blunt Narrow Cobra**

**PRODUCT NO:** 3003

Blade Width: 34 mm
Blade Width at Tip: 12 mm
Blade Depth: 5.25" (13.3 cm)
Overall Length: 14.5" (36.9 cm)
Cobra Retractors  A general purpose instrument for use around the femur and acetabulum

Lighted retractor comes with one (1) Disposable LED Light Source (see page 46), and can also be attached to a fiber optic light cable with ACMI (female) connector. Retractor can be steam sterilized.

The OrthoLucent™ version is made of a strong, lightweight carbon fiber PEEK composite material, which is completely radiolucent, helps to prevent from marring component surfaces, and can be steam sterilized.

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Overall Length</th>
<th>Handle Length</th>
<th>Blade Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>6129</td>
<td>Standard w/Sharp Tip</td>
<td>12&quot; (30.5 cm)</td>
<td>7&quot; (17.8 cm)</td>
<td>33 mm</td>
</tr>
<tr>
<td>6130</td>
<td>Standard</td>
<td>12&quot; (30.5 cm)</td>
<td>7&quot; (17.8 cm)</td>
<td>33 mm</td>
</tr>
<tr>
<td>6130-H</td>
<td>Standard with Ergo. Handle</td>
<td>12&quot; (30.5 cm)</td>
<td>5&quot; (12.7 cm)</td>
<td>33 mm</td>
</tr>
<tr>
<td>6130-L-01</td>
<td>Lighted Standard</td>
<td>12&quot; (30.5 cm)</td>
<td>7&quot; (17.8 cm)</td>
<td>33 mm</td>
</tr>
<tr>
<td>6130-R*</td>
<td>OrthoLucent™ Standard</td>
<td>12&quot; (30.5 cm)</td>
<td>7&quot; (17.8 cm)</td>
<td>33 mm</td>
</tr>
<tr>
<td>6132</td>
<td>Medium</td>
<td>12&quot; (30.5 cm)</td>
<td>7&quot; (17.8 cm)</td>
<td>46 mm</td>
</tr>
<tr>
<td>6140</td>
<td>Wide</td>
<td>11.75&quot; (29.8 cm)</td>
<td>7&quot; (17.8 cm)</td>
<td>56 mm</td>
</tr>
</tbody>
</table>

*Made exclusively for Innomed in Switzerland

Narrow Cobra Retractors  A general purpose instrument for use around the femur and acetabulum in minimally invasive surgery

Lighted retractor comes with one (1) Disposable LED Light Source (see page 46), and can also be attached to a fiber optic light cable with ACMI (female) connector. Retractor can be steam sterilized.

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Overall Length</th>
<th>Handle Length</th>
<th>Blade Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>6120-04</td>
<td>XL Narrow</td>
<td>15.5&quot; (39.4 cm)</td>
<td>11&quot; (27.9 cm)</td>
<td>19 mm</td>
</tr>
<tr>
<td>6120</td>
<td>Narrow</td>
<td>11.75&quot; (29.8 cm)</td>
<td>6.5&quot; (16.5 cm)</td>
<td>19 mm</td>
</tr>
<tr>
<td>6120-L-01</td>
<td>Lighted Narrow</td>
<td>11.75&quot; (29.8 cm)</td>
<td>6.5&quot; (16.5 cm)</td>
<td>19 mm</td>
</tr>
</tbody>
</table>
Self-Retaining Hip Surgery Retractor System

**Square Frame**

**PRODUCT NO:**
- 7450-01D
  - 12.75" x 11.25" (32.4 cm x 28.6 cm)

**Standard Frame**

**PRODUCT NO’S:**
- 7450-01A [Standard]
  - 12.75" x 9.5" (32.4 cm x 24.1 cm)
- 7450-01B [Medium]
  - 9.75" x 9.5" (24.4 cm x 24.1 cm)

**Double Locking Standard Frame**

**PRODUCT NO’S:**
- 7430 [Standard]
  - 12.75" x 9.5" (32.4 cm x 24.1 cm)

**Charnley-Type Frame**

**PRODUCT NO’S:**
- 7445 [Standard]
  - 12" x 9.5" (30.5 cm x 24.1 cm)
- 7445-01B [Narrow]
  - 10" x 9.5" (25.4 cm x 24.1 cm)

Charnley-type frames come standard with 1 each:
- 7445-02 Rounded 2” (51 mm) Charnley Blade
- 7450-02 2” (51 mm) Standard Blade
- 7455-02 2” (51 mm) Charnley Blade

Frames also sold individually:
- 7445-01 [Standard]
- 7445-01B [Narrow]

Can be used with any blade style
### Standard Blades

**PRODUCT NO’S:**
- 7450-02: 2” (5,1 cm) blade depth
- 7450-03: 3” (7,6 cm) blade depth
- 7450-04: 4” (10,2 cm) blade depth
- 7450-05: 5” (12,7 cm) blade depth
- 7450-06: 6” (15,2 cm) blade depth

T-bar handles help prevent the hand from slipping.

### 3-Prong Rake Blade

**PRODUCT NO:** 7450-10A

- Blade depth: 1” (2,5 cm)

### 5-Prong Rake Blade

**PRODUCT NO:** 7450-10B

- Blade depth: 1” (2,5 cm)

### OrthoLucent™ Standard Blades

**PRODUCT NO’S:**
- Handle Length: 6” (15,2 cm)
- 7450-02: 2” (5,1 cm) blade depth
- 7450-03: 3” (7,6 cm) blade depth
- 7450-04: 4” (10,2 cm) blade depth
- 7450-05: 5” (12,7 cm) blade depth
- 7450-06: 6” (15,2 cm) blade depth

### 3-Prong Rake Blade

**PRODUCT NO:** 7450-02R

- Blade depth: 2” (5,1 cm)

### Long Standard Blades

**PRODUCT NO’S:**
- Handle Length: 8” (20,3 cm)
- 7451-02: 2” (5,1 cm) blade depth
- 7451-03: 3” (7,6 cm) blade depth
- 7451-04: 4” (10,2 cm) blade depth
- 7451-05: 5” (12,7 cm) blade depth
- 7451-06: 6” (15,2 cm) blade depth

### Extra Large Standard Blades

**PRODUCT NO’S:**
- Handle Length: 8” (20,3 cm)
- 7470-02: 2” (5,1 cm) blade depth
- 7470-03: 3” (7,6 cm) blade depth
- 7470-04: 4” (10,2 cm) blade depth
- 7470-05: 5” (12,7 cm) blade depth
- 7470-06: 6” (15,2 cm) blade depth

Help retract soft tissue in larger patients.

### Wide Standard Blades

**PRODUCT NO’S:**
- Blade Width: 2” (5,1 cm)
- 7450-W-02: 2” (5,1 cm) blade depth
- 7450-W-03: 3” (7,6 cm) blade depth
- 7450-W-04: 4” (10,2 cm) blade depth
- 7450-W-05: 5” (12,7 cm) blade depth
- 7450-W-06: 6” (15,2 cm) blade depth

### 2.5” Blade with Teeth

**PRODUCT NO:**

- Overall Length: 6.75” (17,1 cm)
- Handle Length: 6.375” (16,2 cm)
- Blade Depth: 2.5” (6,4 cm)
- Blade Width: 1” (2,54 cm)

### Soft Tissue Blades

**PRODUCT NO’S:**
- 7450-09A: 2” (5,1 cm) blade depth
- 7450-09B: 2.5” (6,4 cm) blade depth

### Hohmann Style Blades

**PRODUCT NO’S:**
- 7450-08A: 4” (10,2 cm) blade depth
- 7450-08B: 6” (15,2 cm) blade depth

### 2.5” Blade with Teeth

**PRODUCT NO:**

- Overall Length: 6.75” (17,1 cm)
- Handle Length: 6.375” (16,2 cm)
- Blade Depth: 2.5” (6,4 cm)
- Blade Width: 1” (2,54 cm)

### Bennett Style Blade

**PRODUCT NO:**

- Overall Length: 6.75” (17,1 cm)
- Handle Length: 6.375” (16,2 cm)
- Blade Depth: 2.5” (6,4 cm)
- Blade Width: 1” (2,54 cm)

### Extra Wide Blades

**PRODUCT NO’S:**
- Blade Width: 2.75” (7 cm)
- 7460-01: 2.5” (6,4 cm) blade depth
- 7460-02: 3.25” (8,3 cm) blade depth

### Wedges for Frames

**PRODUCT NO’S:**
- 7450-89: [Thin Wedge]
  - Overall Length: 1.75” (4,4 cm)
  - Wedge Thickness: 4 mm
- 7450-99: [Thick Wedge]
  - Overall Length: 1.75” (4,4 cm)
  - Wedge Thickness: 8 mm

### Mobile Body Assemblies

**PRODUCT NO:**

- 7447: [One Body Assembly]

Position retractors exactly where you want them!

Moveable-peg system allows for precise intraoperative retractor positioning adjustments.

Works with any existing frame system.

### Retractor Blades for Charnley-type Frame

**PRODUCT NO’S:**
- 7450-07A: 4” (10,2 cm) blade depth

### Hohmann Style Blades

**PRODUCT NO’S:**
- 7450-08A: 4” (10,2 cm) blade depth
- 7450-08B: 6” (15,2 cm) blade depth

### Bennett Style Blade

**PRODUCT NO:**

- Overall Length: 6.75” (17,1 cm)
- Handle Length: 6.375” (16,2 cm)
- Blade Depth: 2.5” (6,4 cm)
- Blade Width: 1” (2,54 cm)

### Extra Wide Blades

**PRODUCT NO’S:**
- Blade Width: 2.75” (7 cm)
- 7460-01: 2.5” (6,4 cm) blade depth
- 7460-02: 3.25” (8,3 cm) blade depth

### Wedges for Frames

**PRODUCT NO’S:**
- 7450-89: [Thin Wedge]
  - Overall Length: 1.75” (4,4 cm)
  - Wedge Thickness: 4 mm
- 7450-99: [Thick Wedge]
  - Overall Length: 1.75” (4,4 cm)
  - Wedge Thickness: 8 mm

### Soft Tissue Blades

**PRODUCT NO’S:**
- 7450-09A: 2” (5,1 cm) blade depth
- 7450-09B: 2.5” (6,4 cm) blade depth

### Hohmann Style Blades

**PRODUCT NO’S:**
- 7450-08A: 4” (10,2 cm) blade depth
- 7450-08B: 6” (15,2 cm) blade depth

### Bennett Style Blade

**PRODUCT NO:**

- Overall Length: 6.75” (17,1 cm)
- Handle Length: 6.375” (16,2 cm)
- Blade Depth: 2.5” (6,4 cm)
- Blade Width: 1” (2,54 cm)
Charnley/Sorrells Low-Profile Hip Arthroplasty Retractor System

Designed by R. Barry Sorrells, MD

Conforms to the thigh, providing low-profile self-retaining exposure of the femur and acetabulum in Total Hip Arthroplasty

- Provides a varied selection of blades, both pre-shaped and malleable, for both superficial and deep retraction
- Curved blades conform with the thigh
- Self-retaining and easily adjustable

COMPLETE SYSTEM INCLUDES:
- (1) Low-Profile Frame
- (2) Small Retractors — (1) Narrow, (1) Wide
- (3) Medium Retractors — (1) Narrow, (1) Wide, (1) Malleable Narrow
- (2) Large Retractors — (1) Narrow, (1) Wide

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Product No</th>
<th>Description</th>
<th>Blade Width</th>
<th>Blade Depth</th>
<th>Overall Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>7318-00</td>
<td>Complete System</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7318-01</td>
<td>[Frame]</td>
<td>14.5” (36.9 cm)</td>
<td>12” (30.5 cm)</td>
<td></td>
</tr>
<tr>
<td>7318-02</td>
<td>[Small Narrow Blade]</td>
<td>1.25” (32 mm)</td>
<td>1.25” (32 mm)</td>
<td>8.5” (21.6 cm)</td>
</tr>
<tr>
<td>7318-03</td>
<td>[Small Wide Blade]</td>
<td>2” (51 mm)</td>
<td>1.25” (32 mm)</td>
<td>8.5” (21.6 cm)</td>
</tr>
<tr>
<td>7318-04</td>
<td>[Medium Narrow Blade]</td>
<td>1.25” (32 mm)</td>
<td>2.25” (57 mm)</td>
<td>8.5” (21.6 cm)</td>
</tr>
<tr>
<td>7318-05</td>
<td>[Medium Wide Blade]</td>
<td>2” (51 mm)</td>
<td>2.25” (57 mm)</td>
<td>8.5” (21.6 cm)</td>
</tr>
<tr>
<td>7318-06</td>
<td>[Medium Malleable Blade]</td>
<td>1.25” (32 mm)</td>
<td>2.25” (57 mm)</td>
<td>8.5” (21.6 cm)</td>
</tr>
<tr>
<td>7318-07</td>
<td>[Large Narrow Blade]</td>
<td>1.25” (32 mm)</td>
<td>3.25” (83 mm)</td>
<td>8.5” (21.6 cm)</td>
</tr>
<tr>
<td>7318-08</td>
<td>[Large Wide Blade]</td>
<td>2” (51 mm)</td>
<td>3.25” (83 mm)</td>
<td>8.5” (21.6 cm)</td>
</tr>
</tbody>
</table>

WWW.INNOMED.NET
FREE TRIAL ON MOST INSTRUMENTS
Alvi Small Charnley Style Locking Frame Set

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.

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

PRODUCT NO'S:

<table>
<thead>
<tr>
<th>PRODUCT NO</th>
<th>DESCRIPTION</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7425-00</td>
<td>(Set)</td>
<td>9&quot; x 7&quot; (22.9 cm x 17.8 cm)</td>
</tr>
<tr>
<td>7425-01</td>
<td>[Small Charnley Style Locking Frame]</td>
<td>9&quot; x 7&quot; (22.9 cm x 17.8 cm)</td>
</tr>
<tr>
<td>7425-02</td>
<td>[2&quot; Tapered Blade]</td>
<td>2&quot; (5.1 cm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Handle Length: 7&quot; (17.8 cm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Blade Width: 1&quot; (2.54 cm)</td>
</tr>
<tr>
<td>7425-03</td>
<td>[3&quot; Tapered Blade]</td>
<td>3&quot; (7.6 cm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Handle Length: 7&quot; (17.8 cm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Blade Width: 1&quot; (2.54 cm)</td>
</tr>
<tr>
<td>7425-04</td>
<td>[4&quot; Tapered Blade]</td>
<td>4&quot; (10.2 cm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Handle Length: 7&quot; (17.8 cm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Blade Width: 1&quot; (2.54 cm)</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>PRODUCT NO</th>
<th>DESCRIPTION</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1586</td>
<td>Handle only — blades not included</td>
<td>Overall Length: 8.875&quot; (22.5 cm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum Width at Pegs: 8&quot; (20.3 cm)</td>
</tr>
</tbody>
</table>

Handle only — blades not included. See page 34 for additional blade styles.
Minimally Invasive Total Hip Surgery Retractors

Instruments designed to help reduce soft tissue trauma in Single Incision Minimally Invasive Total Hip Surgery

Surgical technique available on our website

Single Prong Double Bent Hohmann Acetabular Retractor – Extra Long

PRODUCT NO’S:
6210-04 [Standard Blade]  Overall Length: 16.25” (41.3 cm)  Blade and Tip Length: 3” (7.6 cm)  Blade Width: 15 mm
6214 [Longer Blade]  Overall Length: 18” (45.7 cm)  Blade and Tip Length: 5” (12.7 cm)  Blade Width: 15 mm

Single & Double Prong Double Bent Hohmann Acetabular Retractor – Long

PRODUCT NO’S:
6210-02 [Single Prong Standard Blade]  Overall Length: 12.5” (31.8 cm)  Blade and Tip Length: 3” (7.6 cm)  Blade Width: 15 mm
6213 [Single Prong Longer Blade]  Overall Length: 15” (38.1 cm)  Blade and Tip Length: 5” (12.7 cm)  Blade Width: 15 mm
6210-02L-01 [Lithe Single Prong Standard Blade]  Overall Length: 12.5” (31.8 cm)  Blade and Tip Length: 3” (7.6 cm)  Blade Width: 15 mm
6220 [Double Prong Standard Blade]  Overall Length: 12.5” (31.8 cm)  Blade and Tip Length: 3” (7.6 cm)  Blade Width: 15 mm
6220-04 [Double Prong Longer Blade]  Overall Length: 15” (38.1 cm)  Blade and Tip Length: 5” (12.7 cm)  Blade Width: 15 mm

Narrow Double Prong Acetabular Retractor

PRODUCT NO:
6170  Overall Length: 12.5” (31.8 cm)  Blade Width: 15 mm

Narrow Proximal Femoral Elevator

PRODUCT NO’s:
3420-05 [Standard Prongs]  Overall Length: 11.5” (29.2 cm)  Handle Length: 6.5” (16.5 cm)  Blade Width at Widest: 45 mm

MIS Hip Retractors

PRODUCT NO:
6265  Overall Length: 15” (38.1 cm)  Handle Length: 11” (27.9 cm)  Depth from Bend: 8” (20.3 cm)  Blade Width: 20 mm

Surgical technique available on our website

Lighted retractor comes with one (1) Disposable LED Light Source (see page 46), and can also be attached to a fiber optic light cable with ACMI (female) connector. Retractor can be steam sterilized.

Instruments designed to help reduce soft tissue trauma in Single Incision Minimally Invasive Total Hip Surgery

Surgical technique available on our website

Single Prong Double Bent Hohmann Acetabular Retractor

PRODUCT NO’S:
6210 [Standard Blade]  Overall Length: 10.5” (26.7 cm)  Blade and Tip Length: 2.5” (6.4 cm)  Blade Width: 15 mm
6212 [Longer Blade]  Overall Length: 11.25” (28.6 cm)  Blade and Tip Length: 3.5” (8.9 cm)  Blade Width: 15 mm
6120-04 [Extra Long Narrow]  Overall Length: 15.5” (39.3 cm)  Handle Length: 11” (27.9 cm)  Blade Width: 16 mm
Minimally Invasive Hip Surgery Retractors

Designed to be used in various minimally invasive hip exposures

PRODUCT NO’S:

S3023 [MIH Hip Retractor]
Overall Length: 13” (33 cm)
Blade Width: 25 mm

S3024 [MIH Hip Retractor–blunt tip]
Overall Length: 14.5” (36.9 cm)
Blade Width: 25 mm

S3025 [MIH Offset Retractor]
Overall Length: 14” (35.6 cm)
Blade Width: 32 mm

S3026 [MIH Long Hohmann Retractor]
Overall Length: 14.75” (37.5 cm)
Blade Width: 40 mm

S3027 [MIH Long Hohmann Retractor–curved, short blade]
Overall Length: 12.25” (31.1 cm)
Blade Width: 34 mm

S3028 [MIH Long Hohmann Retractor–curved, long blade]
Overall Length: 14” (35.6 cm)
Blade Width: 39 mm

S3029 [MIH Long Hohmann Retractor–narrow]
Overall Length: 14.75” (37.5 cm)
Blade Width: 22 mm

S3029-01 MIH Long Hohmann Retractor–narrow with short tip
Overall Length: 14.5” (36.9 cm)
Blade Width: 22 mm

S3030 [MIH Small Hohmann Retractor]
Overall Length: 11.5” (29.2 cm)
Blade Width: 19 mm

Modular Weights

Retractor handles are designed for optional use with modular weights to help hold the retractors in place.

PRODUCT NO’S:
3430-01 1.5 lbs. (.68 kg)
3430-02 2.0 lbs. (.91 kg)
3430-03 2.5 lbs. (1.13 kg) with attaching hook
**Minimal Incision Total Hip Retractors**

Instruments designed for Minimal Incision Total Hip Surgery using the standard posterior lateral approach

**Posterior-Inferior Retractors**

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

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th>Right</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>7625-01</td>
<td>7625-02</td>
<td></td>
</tr>
<tr>
<td>Overall Length: 10.75” (27.3 cm)</td>
<td>Overall Length: 10.75” (27.3 cm)</td>
<td></td>
</tr>
<tr>
<td>Handle-to-Bend Length: 5.5” (14 cm)</td>
<td>Handle-to-Bend Length: 5.5” (14 cm)</td>
<td></td>
</tr>
</tbody>
</table>

**Superior Capsular Retractor**

Designed to be placed over the superior capsule.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>7140</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length: 9.375” (23.8 cm)</td>
<td></td>
</tr>
<tr>
<td>Blade Width at Widest: 19 mm</td>
<td></td>
</tr>
</tbody>
</table>

**Bent Hohmann Retractor for Gluteus Medius**

For use in femoral exposure, the Bent Hohmann Retractor can be placed anterior to the capsule, around the greater trochanter, to rest on the lateral cortex of the femur, allowing access to the proximal femur.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>7110</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length: 9.75” (24.8 cm)</td>
<td></td>
</tr>
<tr>
<td>Blade Width: 19 mm</td>
<td></td>
</tr>
<tr>
<td>Depth from Bend: 4.25” (10.8 cm)</td>
<td></td>
</tr>
</tbody>
</table>

Used in conjunction with a charnley-type frame and blade system (see page 30).
Blunt Right Angle Posterior Capsular Retractor

The right-angle capsular retractors help retract and provide additional exposure around the acetabulum—either posterior or superior.

**PRODUCT NO:**
7120
Overall Length: 8” (20.3 cm)
Blade Width: 32 mm
Blade Depth: 3.25” (8.9 cm)

Right Angle Posterior Capsular Retractor

Using a finger, the underside of the gluteus medius tendon can be palpated and the curved end of this Hibbs-style retractor can be placed and pulled anteriorly. The right angle end of the retractor can be used later in a similar fashion to the Blunt Right Angle Retractor described above.

**PRODUCT NO:**
7180 [With Teeth]
Overall Length: 8” (20.3 cm)
Blade Width: 32 mm
Blade Depth: 3.5” (8.9 cm)

7180-01 [No Teeth]
Overall Length: 8” (20.3 cm)
Blade Width: 32 mm
Blade Depth: 3.5” (8.9 cm)

Cobra Retractor with Hand Rest

The pointed cobra retractor with hand rest is placed anteriorly to help retract and expose.

**PRODUCT NO:**
7130
Overall Length: 10.25” (26 cm)
Blade Width at Widest: 32 mm
Lighted retractors come with one (1) Disposable LED Light Source (#8010-01), and can also be attached to a fiber optic light cable with ACMI (female) connector, and can be steam sterilized.

**PRODUCT NO'S:**

**6119-L-01 [Jana Lighted Cobra]**
- Overall Length: 14.2” (36 cm)
- Blade at Widest: 33 mm

**6120-L-01 [Lighted Narrow Cobra]**
- Overall Length: 11.75” (29.8 cm)
- Handle Length: 6.5” (16.5 cm)
- Blade Width: 19 mm

**6130-L-01 [Lighted Standard Cobra]**
- Overall Length: 12” (30.5 cm)
- Handle Length: 7” (17.8 cm)
- Blade Width at Widest: 33 mm

**6135-L-01 [Lighted Deep Cobra]**
- Overall Length: 14.5” (36.9 cm)
- Handle Length: 7” (17.8 cm)
- Blade Width at Widest: 33 mm

**6210-02L-01 [Lighted Single Prong Double Bent Hohmann]**
- Overall Length: 12.5” (31.8 cm)
- Blade and Tip Lengths: 3” (76 mm)
- Blade Width: 15 mm

**Disposible LED Light Source**

**PRODUCT NO'S:**

8010-01 PACKAGE OF 1
8010-10 PACKAGE OF 10

**Light Source Cable Adapters**

**PRODUCT NO'S:**

8009-S [ACMI to Storz Adapter]
8009-W [ACMI to Wolf Adapter]
**OrthoLucent™ Retractors**

Gain Radiolucence Without Compromising Strength or Function

- Made of a lightweight carbon fiber PEEK composite material
- Ideal for total joint use with x-ray
- Steam sterlizable
- Completely radiolucent
- Flat black non-gloss finish
- No metal transfer with component contact
- Slightly higher cost than stainless steel

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2820-R [PCL]</td>
<td>Overall Length: 8&quot;</td>
<td>Prong Width: 5mm</td>
</tr>
<tr>
<td>3220-02R [Chandler]</td>
<td>Overall Length: 9.875&quot; (25.1 cm)</td>
<td>Blade Width: 5/4&quot; (1.9 cm)</td>
</tr>
<tr>
<td>4535-R [Modified Narrow Hohmann]</td>
<td>Overall Length: 10&quot; (25.4 cm)</td>
<td>Blade Width: 18 mm</td>
</tr>
<tr>
<td>4550-R [Modified Blunt Hohmann]</td>
<td>Blade Width at Widest: 24.5 mm</td>
<td>Overall Length: 10.75&quot; (27.3 cm)</td>
</tr>
<tr>
<td>4558-R [Standard Hohmann]</td>
<td>Blade Width: 16 mm</td>
<td>Overall Length: 9.45&quot; (24 cm)</td>
</tr>
<tr>
<td>6130-R [Cobra]</td>
<td>Overall Length: 12&quot; (30.5 cm)</td>
<td>Handle Length: 7&quot; (17.8 cm)</td>
</tr>
<tr>
<td>7110-R [Narrow Bent Hohmann]</td>
<td>Overall Length: 9.75&quot; (23.8 cm)</td>
<td>Handle Length: 7&quot; (17.8 cm)</td>
</tr>
</tbody>
</table>

**Modular Weights**

Weights can be used to help hold the retractors in place.

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3430-01</td>
<td>1.5 lbs. (.68 kg)</td>
<td></td>
</tr>
<tr>
<td>3430-02</td>
<td>2.0 lbs. (.91 kg)</td>
<td></td>
</tr>
<tr>
<td>3430-03</td>
<td>2.5 lbs. (1.13 kg)</td>
<td>with attaching hook</td>
</tr>
</tbody>
</table>
Inferior Acetabular Retractors

*Help provide better access to the intramedullary canal*

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Overall Length: 12&quot; (30.5 cm)</th>
<th>Handle Length: 8&quot; (20.3 cm)</th>
<th>Blade Height Above Prongs: 3&quot; (7.6 cm)</th>
<th>Blade Width: 51 mm</th>
<th>Prong Width: 5.1 mm</th>
<th>9.7 mm Gap</th>
<th>5.1 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>#6170</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Narrow</th>
<th>Overall Length: 12&quot; (30.5 cm)</th>
<th>Handle Length: 8&quot; (20.3 cm)</th>
<th>Blade Height Above Prongs: 3.25&quot; (8.3 cm)</th>
<th>Blade Width: 32 mm</th>
<th>Prong Width: 5.1 mm</th>
<th>9.7 mm Gap</th>
<th>5.1 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>#6255</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Modified Double Prong Acetabular Retractor with Center Prongs

*Retracts the femur anteriorly during total hip arthroplasty*

Designed to retract the femur anteriorly during total hip arthroplasty. It is hooked over the anterior pelvic brim. Weights can be added to assist in exposure and to help hold the retractor in place.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Overall Length: 12.5&quot; (31.8 cm)</th>
<th>Blade Width: 44 mm</th>
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<tbody>
<tr>
<td>#6170</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Narrow</th>
<th>Overall Length: 12.5&quot; (31.8 cm)</th>
<th>Blade Width: 32 mm</th>
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</thead>
<tbody>
<tr>
<td>#6175</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MIS Hip Retractor

**PRODUCT NO:**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Overall Length: 15&quot; (38.1 cm)</th>
<th>Handle Length: 11&quot; (27.9 cm)</th>
<th>Blade Width: 20 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>#6265</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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)

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. The remaining blade of this retractor is used to retract the remaining capsule from the posterior lip of the acetabulum.

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

**Contact Information:**
1.800.548.2362

**Date:**
February 2020

**Section:**
HIP EXPOSURE & POSITIONING INSTRUMENTS
Standard Prongs

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Overall Length: 11.5&quot; (29.2 cm)</th>
<th>Handle Length: 6.5&quot; (16.5 cm)</th>
<th>Blade Width at Widest: 63 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>3420-01</td>
<td>1.5 lbs. (.68 kg)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Narrow with Standard Prongs

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Overall Length: 11.5&quot; (29.2 cm)</th>
<th>Handle Length: 6.5&quot; (16.5 cm)</th>
<th>Blade Width at Widest: 45 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>3420-05</td>
<td>2.0 lbs. (.91 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3420-06</td>
<td>2.5 lbs. (1.13 kg)</td>
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<td></td>
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</table>

Extra Leverage

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Overall Length: 17.5&quot; (44.5 cm)</th>
<th>Handle Length: 13&quot; (33 cm)</th>
<th>Blade Width at Widest: 63 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>7640</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

Modular Weights

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th>Overall Length: 11.5&quot; (29.2 cm)</th>
<th>Handle Length: 6.5&quot; (16.5 cm)</th>
<th>Blade Width at Widest: 63 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>3430-01</td>
<td>1.5 lbs. (.68 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3430-02</td>
<td>2.0 lbs. (.91 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3430-03</td>
<td>2.5 lbs. (1.13 kg)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Help provide better access to the intramedullary canal.
### Unger Standard Femoral Neck Elevator
**Designed by Anthony Unger, MD**

**PRODUCT NO:**
- 3006 [Standard Prong]
  - Blade Width at Widest: 25 mm
  - Overall Length: 13" (33 cm)
  - Handle Length: 5' (15 cm)
- 3006-01 [Long Prong]
  - Blade Width at Widest: 25 mm
  - Overall Length: 13.4" (34 cm)
  - Handle Length: 5' (15 cm)

### APC Proximal Femoral Elevator
**Designed by APC, Inc.**

**PRODUCT NO'S:**
- 3421-00 [Standard]
  - Overall Length: 10.75" (27.3 cm)
  - Blade Width at Widest: 63 mm
  - Handle Length: 10" (25.4 cm)
- 3421-01 [Small]
  - Overall Length: 10.75" (27.3 cm)
  - Blade Width at Widest: 50 mm

### Stulberg Proximal Femoral Elevator
**Designed by S. David Stulberg, MD**

**PRODUCT NO:**
- 3420-09
  - Overall Length: 14.0" (35.6 cm)
  - Blade Width at Widest: 48 mm
  - Handle Length: 10" (25.4 cm)

### Amstutz Femoral Head-Neck Elevator
**Designed by Harlan C. Amstutz, MD**

**Designed to elevate the proximal femur**

**PRODUCT NO'S:**
- 3410 [Wide]
  - Overall Length: 12.25" (31.1 cm)
  - Blade Width at Widest: 67 mm
- 3410-01 [Narrow]
  - Overall Length: 12.25" (31.1 cm)
  - Blade Width at Widest: 50 mm
- 3421-00 [Standard]
  - Overall Length: 10.75" (27.3 cm)
  - Blade Width at Widest: 63 mm
- 3421-01 [Small]
  - Overall Length: 10.75" (27.3 cm)
  - Blade Width at Widest: 50 mm

### Unger Long Prong Femoral Neck Elevator
**Designed by Anthony Unger, MD**

**PRODUCT NO:**
- 3006-01 [Long Prong]
  - Blade Width at Widest: 25 mm
  - Overall Length: 13.4" (34 cm)
  - Handle Length: 5' (15 cm)
**Femoral Neck Elevator with Waist Pad**

Designed by Luis Ulloa, MD  
Waist Pad designed by Christopher Blair, DO

*Designed to elevate the femoral neck for broaching*  
The waist pad allows the retractor to be wedged into the surgeon's waistline to help control the elevator and maintain elevation of the femoral neck for broaching.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>7556</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length:</td>
<td>18&quot; (45.7 cm)</td>
</tr>
<tr>
<td>Neck Width:</td>
<td>25 mm</td>
</tr>
<tr>
<td>Blade Width:</td>
<td>25 mm</td>
</tr>
</tbody>
</table>

**Blair Narrow Femoral Neck Elevator with Waist Pad**

Designed by Christopher Blair, DO

*Designed to elevate the femoral neck for broaching*  
The waist pad allows the retractor to be wedged into the surgeon's waistline to help control the elevator and maintain elevation of the femoral neck for broaching.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>3409</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length:</td>
<td>18&quot; (45.7 cm)</td>
</tr>
<tr>
<td>Neck Width:</td>
<td>19 mm</td>
</tr>
<tr>
<td>Width at End:</td>
<td>25 mm</td>
</tr>
</tbody>
</table>

**Anterior Watson Jones Lighted Mueller Retractor**

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
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</thead>
<tbody>
<tr>
<td>Blade Width:</td>
<td>27 mm</td>
</tr>
<tr>
<td>Handle Length:</td>
<td>5.5&quot; (14 cm)</td>
</tr>
<tr>
<td>Overall Length:</td>
<td>12.75&quot; (32.4 cm)</td>
</tr>
</tbody>
</table>

**Modified Anterolateral Mueller Retractor**

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>6164</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length:</td>
<td>15.25&quot; (38.8 cm)</td>
</tr>
<tr>
<td>Blade Width:</td>
<td>25 mm</td>
</tr>
</tbody>
</table>
Mueller-type Femoral Neck Elevator
Extra Deep modified by Tom Eickmann, MD
Designed to elevate the proximal femur

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3415 [Standard]</td>
<td>Overall Length: 13.5&quot; (34.3 cm)</td>
</tr>
<tr>
<td></td>
<td>Handle Length: 6.5&quot; (16.5 cm)</td>
</tr>
<tr>
<td></td>
<td>Blade Width at Widest: 25 mm</td>
</tr>
<tr>
<td>3418 [Extra Deep]</td>
<td>Overall Length: 15.25&quot; (38.8 cm)</td>
</tr>
<tr>
<td></td>
<td>Handle Length: 6.5&quot; (16.5 cm)</td>
</tr>
<tr>
<td></td>
<td>Blade Width at Widest: 25 mm</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>
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<th>PRODUCT NO’S:</th>
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</tr>
</thead>
<tbody>
<tr>
<td>6230 [Extra Large]</td>
<td>Overall Length: 14.25&quot; (36.2 cm)</td>
</tr>
<tr>
<td></td>
<td>Handle Length: 13&quot; (33 cm)</td>
</tr>
<tr>
<td></td>
<td>Blade Depth: 6.5&quot; (165 mm)</td>
</tr>
<tr>
<td></td>
<td>Blade Width: 38 mm</td>
</tr>
<tr>
<td>6235 [Medium]</td>
<td>Overall Length: 10.75&quot; (27.3 cm)</td>
</tr>
<tr>
<td></td>
<td>Handle Length: 9.75&quot; (24.8 cm)</td>
</tr>
<tr>
<td></td>
<td>Blade Depth: 4.5&quot; (114 mm)</td>
</tr>
<tr>
<td></td>
<td>Blade Width: 25 mm</td>
</tr>
<tr>
<td>6240 [Standard]</td>
<td>Overall Length: 8.75&quot; (22.5 cm)</td>
</tr>
<tr>
<td></td>
<td>Handle Length: 8&quot; (20.3 cm)</td>
</tr>
<tr>
<td></td>
<td>Blade Depth: 3&quot; (76 mm)</td>
</tr>
<tr>
<td></td>
<td>Blade Width: 25 mm</td>
</tr>
</tbody>
</table>

Large Curved Hibbs-style Soft Tissue Retractor without Teeth
The large, curved end is very useful with large patients
The right angle end was designed without teeth for easier holding while retracting, but can also be used as a blunt end retractor.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
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<tbody>
<tr>
<td>7190.01</td>
<td>Overall Length: 8&quot; (20.3 cm)</td>
</tr>
<tr>
<td></td>
<td>Blade Width: 32 mm</td>
</tr>
<tr>
<td></td>
<td>Blade Depth: 3.5&quot; (89 mm)</td>
</tr>
</tbody>
</table>
Rosen “V” Deep Soft Tissue Retractor

Designed by Adam Rosen, MD

Designed for soft tissue retraction with an ergonomic handle

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Overall Length: 12” (30.5 cm)</th>
<th>Blade Depth: 3.5” (8.9 cm)</th>
<th>Blade Width: 1.75” (4.4 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6051</td>
<td>Deep, Sharp</td>
<td>11.175 cm</td>
<td>2.75 cm</td>
</tr>
<tr>
<td>6052</td>
<td>Deep, Blunt</td>
<td>11.175 cm</td>
<td>2.75 cm</td>
</tr>
<tr>
<td>6053</td>
<td>Shallow, Sharp</td>
<td>11.175 cm</td>
<td>2.75 cm</td>
</tr>
<tr>
<td>6054</td>
<td>Shallow, Blunt</td>
<td>11.175 cm</td>
<td>2.75 cm</td>
</tr>
</tbody>
</table>

Wide Rake Retractors with Ergonomic Handle

Designed for general use soft tissue retraction, the ergonomic handle allows for a better grip and less fatigue

Non-glare finish featured on the metal retractor parts.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Overall Length: 12” (30.5 cm)</th>
<th>Blade Depth: 3.5” (8.9 cm)</th>
<th>Blade Width: 1.75” (4.4 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6051</td>
<td>Deep, Sharp</td>
<td>11.175 cm</td>
<td>2.75 cm</td>
</tr>
<tr>
<td>6052</td>
<td>Deep, Blunt</td>
<td>11.175 cm</td>
<td>2.75 cm</td>
</tr>
<tr>
<td>6053</td>
<td>Shallow, Sharp</td>
<td>11.175 cm</td>
<td>2.75 cm</td>
</tr>
<tr>
<td>6054</td>
<td>Shallow, Blunt</td>
<td>11.175 cm</td>
<td>2.75 cm</td>
</tr>
</tbody>
</table>

Rake Retractors with Ergonomic Handle

Designed for general use soft tissue retraction, the ergonomic handle allows for a better grip and less fatigue

Non-glare finish featured on the metal retractor parts.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Overall Length: 9.5” (24.1 cm)</th>
<th>Rake Width: 13 mm</th>
<th>Rake Depth: 14 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>4839</td>
<td>[3-Prong]</td>
<td>13 mm</td>
<td>14 mm</td>
</tr>
<tr>
<td>4840</td>
<td>[4-Prong]</td>
<td>13 mm</td>
<td>14 mm</td>
</tr>
</tbody>
</table>
Dozier Radiolucent Bennett Hip Fracture Retractor

Designed by John K. Dozier, MD

Designed to be used in hip fractures with the advantage that the retractor can be kept in place while using image intensification or taking an x-ray. The handle can be rotated to the right or left for surgeon preference. May be steam or gas sterilized.

PRODUCT NO: 6870
Handle Length: 6.75" (17.1 cm)
Blade Length: 8.5" (21.6 cm)
Blade Width at Widest: 67 mm

Stulberg Incision Close Gelpi & Blade Set

Designed by S. David Stulberg, MD

Designed to help expose difficult to visualize areas at the end of incisions

PRODUCT NO’S:
4269-00 [Set – 1 Gelpi & 1 Blade]
Also available individually:
4269-01 [Gelpi]
Overall Length: 7.25" (18.4 cm)
Maximum Spread Width: 3.5" (8.9 cm)
4269-02 [Blade]
Overall Length: 5.5" (14 cm)
Blade Width: 1" (2.54 cm)
Blade Bend-Back Angle: 130°
Bone Hooks  Designed by R.L. Wilson, MD

Blunt tip and a large handle design to accommodate the use of two hands

Designed for proximal femoral elevation in total hip replacement or in other surgery with a similar need for bone manipulation.

Lombardi Bone Hooks  Designed by Adolph V. Lombardi, MD

Blunt tip design

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Product No</th>
<th>Type</th>
<th>Curve Diameter</th>
<th>Overall Length</th>
<th>Handle Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>5910</td>
<td>Small</td>
<td>25 mm</td>
<td>12.75&quot; (32.4 cm)</td>
<td>4.75&quot; (12.1 cm)</td>
</tr>
<tr>
<td>5915</td>
<td>Medium</td>
<td>35 mm</td>
<td>12.75&quot; (32.4 cm)</td>
<td>4.75&quot; (12.1 cm)</td>
</tr>
<tr>
<td>5920</td>
<td>Large</td>
<td>50 mm</td>
<td>12.75&quot; (32.4 cm)</td>
<td>4.75&quot; (12.1 cm)</td>
</tr>
<tr>
<td>5920-01</td>
<td>Large w/ Cable/Wire Hole</td>
<td>50 mm</td>
<td>12.75&quot; (32.4 cm)</td>
<td>4.75&quot; (12.1 cm)</td>
</tr>
</tbody>
</table>

Design modification by J. McCarthy, MD

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Product No</th>
<th>Type</th>
<th>Curve Diameter</th>
<th>Overall Length</th>
<th>Handle Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>5925</td>
<td>Small</td>
<td>25 mm</td>
<td>10&quot; (25.4 cm)</td>
<td></td>
</tr>
<tr>
<td>5930</td>
<td>Medium</td>
<td>35 mm</td>
<td>10&quot; (25.4 cm)</td>
<td></td>
</tr>
<tr>
<td>5935</td>
<td>Large</td>
<td>55 mm</td>
<td>10&quot; (25.4 cm)</td>
<td></td>
</tr>
</tbody>
</table>
Jackson Flat Top Traction Device

A table-top traction device designed for fracture fixation in the acetabulum, pelvis, and femur

Can be used in a variety of applications, including open and percutaneous pelvic and acetabular fracture surgery, hip fracture fixation and femur fracture fixation including antegrade or retrograde nailing.

The light-weight portable device attaches directly to a standard radiolucent flat top table. Recommended for use with the disposable sterile kit, one of which is included, with additional kits sold separately.

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

Sarraf Coated Hip Dislocation Hook

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)

PRODUCT NO'S:
0007 [Jackson Traction Device]
This product number includes (1) #0008 Disposable Sterile Kit

Sold Separately:
0008 [Disposable Sterile Kit]
Kit includes: (1) Impervious Stockinette and (1) 11 ft. Traction rope
0008-CASE [Case of Disposable Sterile Kits] Pkg of 10

This product number includes (1) #0008 Disposable Sterile Kit

Sold Separately:
0008 [Disposable Sterile Kit]
Kit includes: (1) Impervious Stockinette and (1) 11 ft. Traction rope
0008-CASE [Case of Disposable Sterile Kits] Pkg of 10

1.800.548.2362
FEBRUARY 2020
HIP EXPOSURE & POSITIONING INSTRUMENTS
**Capello Patient Positioner**

**Designed by William Capello, MD**

Provides stable positioning of a patient during hip procedures

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4090 [Set with 2-Piece Board]</td>
<td></td>
</tr>
<tr>
<td>4095 [Set with 1-Piece Board]</td>
<td></td>
</tr>
<tr>
<td>Optional &amp; Replacement Parts:</td>
<td></td>
</tr>
<tr>
<td>4090-PB [2-Piece Positioning Board]</td>
<td></td>
</tr>
<tr>
<td>4095-PB [1-Piece Positioning Board]</td>
<td></td>
</tr>
<tr>
<td>4090-06 [6” (15.2 cm) Radiolucent Peg]</td>
<td></td>
</tr>
<tr>
<td>4090-08 [9” (22.9 cm) Radiolucent Peg]</td>
<td></td>
</tr>
<tr>
<td>4090-SC [Stabilizing Clamp]</td>
<td></td>
</tr>
<tr>
<td>4090-01 [Large Gel Pad]</td>
<td></td>
</tr>
<tr>
<td>4090-EXT [Peg Extension]</td>
<td></td>
</tr>
<tr>
<td>4090-02 [Peg Gel Pad]</td>
<td></td>
</tr>
<tr>
<td>9120 [Table Clamp]</td>
<td></td>
</tr>
</tbody>
</table>

Optional two-piece board construction allows for easier use and storage. Includes: Board, Gel Pad, (4) 6” Pegs, (4) 9” Pegs, (2) Stabilizing Clamps, (2) Table Clamps. All gel pads, pegs and peg height extensions can be used with existing peg boards. The board is also available in a one-piece design.

**PRODUCT NO’S:**

4090-10P [Complete Set]

Assembly Set Includes:

- 4090-03 [Post Assembly Adapter]
- 4150-10B [10” (25.4 cm) Post with 2 Pads]
- 4150-EX1 [2” (5.1 cm) Spacer with 4” (10.2 cm) Knob]
- 4150-EX4 [4” (10.2 cm) Spacer with 6” (15.2 cm) Knob]

**NOTE:** The peg board positioner is available separately and is not included with this assembly set.

**Large Patient Peg Board Positioner Post Assembly**

**Designed by Paul Ramsey, MD**

Especially helpful with large patients where reaching the a.s.i.s. is needed for stabilization

**PRODUCT NO’S:**

4150-10P [Complete Set]

Assembly Set Includes:

- 4090-03 [Post Assembly Adapter]
- 4150-10B [10” (25.4 cm) Post with 2 Pads]
- 4150-EX1 [2” (5.1 cm) Spacer with 4” (10.2 cm) Knob]
- 4150-EX4 [4” (10.2 cm) Spacer with 6” (15.2 cm) Knob]

**NOTE:** The peg board positioner is available separately and is not included with this assembly set.

**Board Dimensions:** 47” x 18.75” (119.4cm x 47.6cm)
Thornberry Hip Positioner

Designed to be adjustable yet sturdy, and is especially helpful when stabilizing a large patient during total hip and revision surgery

The Thornberry Hip Positioner is designed to attach directly to the operating table utilizing existing table clamps, or the Innomed #2595 Table Clamps, which are not included.

The upper arm assembly can be adjusted for height. Both arms include a push-button to allow the pad platform to swivel and lock into any of three fixed positions. The tall 18” post also includes a push-button to allow the post/arms unit to swivel and lock into any of three fixed positions.

The complete unit is autoclavable except for the foam pads. The pads are made of semi-dense foam to help prevent pressure points and are sealed with a washable coating. The coating also helps to lessen the possibility of skin breakdown.

It may be necessary to place the Double Table Attachment(s) 180°—sticking out from the table—to accommodate the large patient, as shown at left.

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4160-00 [Complete Set]</td>
</tr>
</tbody>
</table>

Item Included in Set:

- 4160-07 [7” Back Support Post]
- 4160-18 [18” Post with Fixed Lower Arm]
- 4160-AA [Adjustable Upper Arm]
- 4160-DTA [Double Table Attachment] Two (2) included with set; One (1) only with this number
- 4160-PB [Post Knob] Two (2) included with set; One (1) only with this number
- 4150-P [Pad Plate for Back Support]
- 4150-PD3 [Set of Three (3) Pads]
- 4150-S [Back Support Slider]

Optional Items:

- 2595 [Table Clamp] One only with this number

Positioner consists of:

**Front Support Unit**
One 18” post assembly with a lower arm and swiveling pad platform, one upper arm assembly with a swiveling pad platform, one post knob, two pads, and one double table attachment.

**Back Support Unit**
One 7” post assembly, one post knob, one pad plate, one pad, one slider, and one double table attachment.
The pads can be adjusted for height and width.

The upright assembly can be rotated and locked in place.

The upright assembly adjusts by a sliding track to accommodate various sized patients. It is locked into position with the locking bolt. The complete upright assembly is radiolucent.

The upright pads and the base plate pad are made of semi-dense foam to help prevent pressure points and are sealed with a washable coating. The coating also helps to lessen the possibility of skin breakdown.

The hip positioner consists of: One 10" post with double pads, one 6" post with a single pad, one 20" base plate, one base plate pad, two 2" spacers, one 4" knob, and one 6" knob.

The spacers and longer knobs are supplied for use with larger patients: use one spacer with the 4" knob, or combine the two spacers to use with the 6" knob.

The pad assembly can be adjusted for additional height and width. The upright posts are modular. The complete unit is radiolucent and autoclavable except for the foam pads.
**Stulberg Hip Positioner**

**Designed by S. David Stulberg, MD**

*Provides stable positioning of a patient during hip surgery*

The Stulberg Hip Positioner is used for stable positioning of a patient during total hip and revision surgery. It is designed to attach directly to the operating table utilizing the existing table adapters.

The upright pads are made of semi-dense foam to help prevent pressure points and are sealed with a washable coating. The coating also helps to lessen the possibility of skin breakdown.

*The hip positioner consists of: One 10” post assembly with double pads and one 6” post assembly with a single pad, two 2” spacers, one 4” knob, one 6” knob, and two table attachments.*

The spacers and longer knobs are supplied for use with larger patients: use one spacer with the 4” knob, or combine the two spacers to use with the 6” knob.

The pad assembly can be adjusted for additional height and width. The upright posts are modular. The complete unit is radiolucent and autoclavable except for the foam pads and the storage case.

---

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4150-00</td>
<td>Set, Consists of: Case, one 10” post assembly with double pads, one 6” post assembly with a single pad, two 2” spacers, one 4” knob, one 6” knob, and two table attachments.</td>
</tr>
</tbody>
</table>

**Pads, Pad Parts, Pad Assemblies & Sets:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4150-P</td>
<td>Pad Plate (Small Pad Attaches to this Plate)</td>
</tr>
<tr>
<td>4150-PA</td>
<td>Pad Assembly (Pad Knob, Plate &amp; Pad)</td>
</tr>
<tr>
<td>4150-PB</td>
<td>Pad Knob (Attaches Pad Plate to Post)</td>
</tr>
<tr>
<td>4150-PD3</td>
<td>Set of 3 Small Pads</td>
</tr>
<tr>
<td>4150-PD12</td>
<td>Case of 12 Small Pads</td>
</tr>
<tr>
<td>4150-V</td>
<td>Set of 30 Velcro Strips (For Pad Attachment)</td>
</tr>
</tbody>
</table>

**Posts, Post Parts, Post Assemblies & Sets:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4150-06</td>
<td>6” Post (15,2 cm) (Post Only)</td>
</tr>
<tr>
<td>4150-06B</td>
<td>6” Post with Pad Assembly</td>
</tr>
<tr>
<td>4150-06C</td>
<td>6” Post with Pad Assembly and Slider</td>
</tr>
<tr>
<td>4150-06D</td>
<td>6” Post with Pad Assembly, Slider &amp; Table Attachment</td>
</tr>
<tr>
<td>4150-08</td>
<td>8” Custom Post (20,3 cm) (Post Only)</td>
</tr>
<tr>
<td>4150-09</td>
<td>9” Custom Post (22,9 cm) (Post Only)</td>
</tr>
<tr>
<td>4150-10</td>
<td>10” Post (25,4 cm) (Post Only)</td>
</tr>
<tr>
<td>4150-10B</td>
<td>10” Post with Pad Assembly</td>
</tr>
<tr>
<td>4150-10C</td>
<td>10” Post with Pad Assembly and Slider</td>
</tr>
<tr>
<td>4150-10D</td>
<td>10” Post with Pad Assembly, Slider &amp; Table Attachment</td>
</tr>
<tr>
<td>4150-12</td>
<td>12” Custom Post (30,5 cm) (Post Only)</td>
</tr>
<tr>
<td>4150-14</td>
<td>14” Custom Post (35,6 cm) (Post Only)</td>
</tr>
<tr>
<td>4150-PS</td>
<td>Post Screw</td>
</tr>
<tr>
<td>4150-S</td>
<td>Slider (Connects Post to Table Attachment)</td>
</tr>
<tr>
<td>4150-SS</td>
<td>Slider Screw</td>
</tr>
<tr>
<td>4150-TA</td>
<td>Table Attachment</td>
</tr>
</tbody>
</table>

**Extension Parts, Extension Assemblies & Sets:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4150-C</td>
<td>2” Spacer (5,1 cm)</td>
</tr>
<tr>
<td>4150-C4</td>
<td>4” Spacer (10,2 cm)</td>
</tr>
<tr>
<td>4150-EK</td>
<td>4” Knob (10,2 cm) For use with 2 Spacer</td>
</tr>
<tr>
<td>4150-EK4</td>
<td>6” Extension Long Knob (15,2 cm) For use with two 2” Spacers or one 4” Spacer</td>
</tr>
<tr>
<td>4150-EK6</td>
<td>8” Extension Long Knob (20,3 cm) For use with one 2” Spacer and one 4” Spacer</td>
</tr>
<tr>
<td>4150-EXT</td>
<td>2” Extension (5,1 cm) (2” Spacer with 4” Knob)</td>
</tr>
<tr>
<td>4150-EXT4</td>
<td>4” Extension (10,2 cm) (4”Spacer with 8” Knob)</td>
</tr>
<tr>
<td>4150-EXT6</td>
<td>6” Extension (15,2 cm) (4” and 2” Spacers with 8” Knob)</td>
</tr>
</tbody>
</table>

**Other Parts:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9002</td>
<td>Storage Case</td>
</tr>
</tbody>
</table>

---

**Optional Hip Positioner Parts:**

- 14” (35,6 cm) Custom Post
- 12” (30,5 cm) Custom Post
- 9” (22,9 cm) Custom Post
- 8” (20,3 cm) Custom Post
- 2” (5,1 cm) Spacer
- 4” (10,2 cm) Spacer
- Spacer & Long Knob Combination
Cherf Leg Holder

Supports the lower extremity for prepping before hip or knee surgery

Useful for all lower extremity procedures and is particularly helpful for supporting the leg with the patient positioned in the lateral position. By holding the foot/ankle in an externally rotated position, the knee can be locked into extension which helps eliminate the need for manual support.

The leg holder may also be used to support the limb for surgical patients in the supine position such as for knee and foot/ankle procedures.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>2270</th>
</tr>
</thead>
</table>

Replacement Parts:

| 4150-PD3 | Set of 3 Small Pads |

---

Multi-Adjustment Hip Positioner

Provides stable positioning of a patient during hip surgery

Multi-adjustment arms allow the positioner to be adjusted to fit all sizes of patients. Extra attachment allows for more versatility of placement. Especially helpful with large patients where reaching the a.s.i.s. is needed for stabilization.

**PRODUCT NO’S:**

| 4030 |

Replacement Parts:

| 4150-PD2 | Set of 2 Small Pads |

---

Wixson/Stulberg Anterior Trunk Support

Helps protect the chest and shoulders from slumping forward during total hip surgery

**PRODUCT NO:**

| 4110 |

---
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:
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.

Berger Block Positioner
Designed by Richard Berger, MD
Designed for lower extremity positioning with dual height options

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th></th>
<th>2750-00</th>
<th>2750-01</th>
<th>2750-P</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Berger Block Positioner Set</td>
<td>Berger Block Positioner Only</td>
<td>Berger Block Positioner Pad Only</td>
</tr>
<tr>
<td>Dimensions with Pads:</td>
<td>4.75&quot; x 6.75&quot; x 8&quot; (12.1 cm x 17.1 cm x 20.3 cm)</td>
<td>4.125&quot; x 6.125&quot; x 8&quot; (10.5 cm x 15.6 cm x 20.3 cm)</td>
<td></td>
</tr>
<tr>
<td>Set Includes / Available Individually:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2750-P</td>
<td>Berger Block Positioner Pad Only</td>
<td>Included in Set</td>
<td></td>
</tr>
<tr>
<td>2750-S</td>
<td>Berger Block Positioner Brown Strap</td>
<td>Pkg of 10</td>
<td></td>
</tr>
</tbody>
</table>

**Optional Items:**
2750-S  [Bergger Block Positioner Brown Strap]