**AK Fracture Reducer**

Designed by Byron McCord, MD

Designed to help reduce long bone fractures of the femur and tibia, especially helpful with shortened long bone fractures due to young, strong musculature in acute trauma, or neglected fractures due to overriding circumstances or late referral.

**PRODUCT NO**: 1809
- **Overall Length**: 10.5” (26.7 cm)
- **Overall Width**: 7.25” (18.4 cm)
- **For Pins Up To**: .25” (6.4 mm)

Individual/Replacement Parts:
- 1809-02 [Pivot Block]
- 1809-03 [Frame (no pivot blocks or moveable arm)]
- 1809-04 [Moveable Arm (no pivot block or handle)]
- 1809-05 [Handle]

A portion of all proceeds goes to SIGN Fracture Care International, a 501(c)(3) non-profit, to promote equality of fracture care in developing countries. signfracturecare.org

- The curved, serrated tip helps to wedge and hold the reducer in place.
- The curved trough side of the reducer helps capture and control the bone while leverage is applied.
- Once in place, by pushing on the T-handle, the surgeon uses the reducer to help move the bones into alignment for plating or rodding.

---

**Femur/Tibia Fracture Distractor**

Use with most bone clamps for overlapped diaphyseal fractures (fig. 1) or 6 mm Schanz pins to distract intra-articular fractures (fig. 2) for reduction and fixation.

Bone clamps and Schanz pins not included.

Fig. 1: Diaphyseal fractures with clamps  
Fig. 2: Intra-articular fracture using pins

**PRODUCT NO**: 3870
- **Overall Length**: 12.5” (31.8 cm)
- **Blade Width**: 1.5” (3.8 cm)

Initial engagement  
Initial activation  
Completion of distraction/reduction and disengagement

The curved, serrated tip helps to wedge and hold the reducer in place.

---

**Browner MIS Bone Clamp**

Designed by Bruce D. Browner, MD

Designed to help hold a bone or bone plate for fixation, the clamp is inserted anterior to the bone, rotated to wrap around the bone, then screwed into the desired position.

Sized to allow use on a femur, tibia or humerus.

**PRODUCT NO**: 1379
- **Overall Length**: 9.25” to 11.5” (23.5 to 29.2 cm)
- **Maximum Bone Diameter**: ~ 35 mm

- [Image of bone clamp with text]
Bone Clamp with Speed Lock

Designed to help hold a bone in position for reduction

**PRODUCT NO:**
3659
Overall Length: 9.125 (23.2 cm)

Large Bone Clamp with Plate Protection

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

**PRODUCT NO’S:**
3659-L [Left]
Overall Length: 9.125 (23.2 cm)
3659-R [Right]
Overall Length: 9.125 (23.2 cm)

Durkan Ratchet Bone Clamps

Designed by John Durkan, MD

Design of ratcheting mechanism allows for quick tightening and release around the bone

**PRODUCT NO’S:**
1867 [Large]
Overall Length: 8.625 (21.9 cm)
Jaw opens to: 3.5" (8.9 cm)
1868 [Small]
Overall Length: 8.5" (21.6 cm)
Jaw opens to: 3.75" (9.5 cm)

Angled Lowman-Type Bone Clamp

Designed by John J. McLeod, Jr., MD

**PRODUCT NO:**
1770
Overall Length: 9.25" (23.5 cm)
Length from Bend: 4.25" (10.8 cm)
Minimum Clamp Diameter: 1" (25 mm)

Angled for easier insertion of the jaws around the bone

The offset distance between the jaws and handle of the clamp allow space for free and easy access to use a drill or screwdriver. The angled clamp and more-open and thinner jaws facilitate easier use in deep incisions. The angled shaft also acts as a self-retaining retractor. The tightening handle is scalloped to lessen slippage when tightening or untightening.
Periarticular Reduction Forceps

Designed for reduction of intra-articular and periarticular fractures.

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

Product No: 1864
Overall Length: 13" (33 cm)
Handle Length: 8" (20.3 cm)
Ratcheted Opening from 2" to 3.5" (5.4 to 7.6 cm)
Accepts Pins up to: 7/64" (2.8 mm)

Made exclusively for Innomed in Germany

Designed by Caleb Vosburg, MD

Vosburg Cannulated Periarticular Clamp

Cannulated clamp tips allow passage of k-wires.

By compressing the fracture with the clamp and then passing two k-wires, the clamp can then be removed to allow more working room and versatility when applying a plate.

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

Cannestra Trochanteric Fracture Reduction Clamp

Designed to help reduce comminuted intertrochanteric and subtrochanteric hip fractures, this clamp is offset at its ends to avoid placement into the fracture bed.

Clamping ends are curved and rotated to allow maximum bony contact upon fracture reduction. Ideal for fractures with a flexed anterior cortical spike.
Made for right and left hip fracture configurations.

Product No's:
- 1856-01 [Small]
  - Jaw Height @ Tips Parallel: 3.375" (8.6 cm)
  - Jaw Width @ Tips Parallel: 7.25" (18.4 cm)
  - Maximum Jaw Opening @ Tips: 3.1" (7.9 cm)
  - Overall Length: 11" (27.95 cm)

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

- 1857 [Large]
  - Jaw Height @ Tips Parallel: 6.25" (15.9 cm)
  - Jaw Width @ Tips Parallel: 12" (30.5 cm)
  - Maximum Jaw Opening @ Tips: 6" (20.3 cm)
  - Overall Length: 16" (40.7 cm)

Subtrochanteric Femur Fracture Reduction Clamp

Contour design helps clamp a subtrochanteric or femoral shaft fracture treated with current generation femoral IM rodding systems using external aiming arms/targeting devices.

Designed by David Beard, MD

Product No: 3860-L [Left]
Overall Length: 11.25" (28.6 cm)

Product No: 3860-R [Right]
Overall Length: 11.25" (28.6 cm)
Wetzel Acetabular Fragment Clamp  
Designed by Robert Wetzel, MD & Todd O. McKinley, MD

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

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

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>3648</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length: 11.5&quot; (29.2 cm)</td>
<td></td>
</tr>
<tr>
<td>Jaw Opens to: 1.375&quot; (3.5 cm)</td>
<td></td>
</tr>
<tr>
<td>Jaw Length: 2.5&quot; (6.4 cm)</td>
<td></td>
</tr>
<tr>
<td>Jaw Width: .5&quot; (12.7 mm)</td>
<td></td>
</tr>
<tr>
<td>Hole Diameter for Schantz Pin Up To: .25&quot; (6.3 mm)</td>
<td></td>
</tr>
</tbody>
</table>

Chen Diaphyseal Fracture Reduction Clamp  
Designed by Franklin Chen, MD

Designed to facilitate and maintain reduction of the internal fixation of diaphyseal and meta-diaphyseal fractures of long bones

Works especially well with short oblique bones while providing room to implement the plate with this bone clamp still in place.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>1608</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length: 9.25&quot; (23.5 cm)</td>
<td></td>
</tr>
<tr>
<td>Arm Downward Offset: 15 mm</td>
<td></td>
</tr>
<tr>
<td>Pad Dimensions: 1&quot; x .375&quot; (25.4 cm x 1 cm)</td>
<td></td>
</tr>
</tbody>
</table>

Durham Bone Reduction Clamps  
Designed by Alfred A. Durham, MD

Allows application of a bone plate without removing the reduction clamp

The large window directly above the jaws provide space to allow a bone plate to be slid into position without removing the clamp.

| PRODUCT NO'S: | 3652 (Standard)  
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length: 7.75&quot; (19.1 cm)</td>
<td></td>
</tr>
</tbody>
</table>

| 3652-01 (Large with Speedlock)  
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length: 9.25&quot; (23.5 cm)</td>
<td></td>
</tr>
</tbody>
</table>

Large Window  
Provides space to allow a bone plate to be slid into position without removing the clamp

The standard clamp is designed for medium size bones such as the fibula, ulna, and radius

The large clamp with speedlock is designed for large bones such as the femur and tibia
Fracture Reduction Punch Clamp  
Designed by Jong-Keon Oh, MD
Designed for use in select cases when vertical (or sagittal) plane clamping is necessary during forearm reduction, humeral fracture reduction, or diaphyseal reduction of the tibial shaft

**PRODUCT NO:**
5072  
Overall Length: 10.5" (26.7 cm)  
Point to Point Opening:  
- Minimum: .375" (10 mm)  
- Maximum: 1.375" (35 mm)  
Pin Diameter: .125" (3,2 mm)

---

Stoll Bone Plate Clamp  
Designed by Jordan Stoll, MD
Designed to help hold a bone or bone plate in position for reduction and fixation—helpful with clavicle and fibula fractures

**PRODUCT NO:**
1774  
Overall Length: 10" (25.4 cm)

---

Sarraf Fracture Reduction Thimble  
Designed by Khaleed M. Sarraf, MD
Helps to hold bone fragments in place during fixation

**PRODUCT NO'S:**
2290 [22 mm]  
Overall Length: 1.185" (3 cm)  
Guides Accept K-wires Up To: .078" (2 mm)

2291 [26 mm]  
Overall Length: 1.185" (3 cm)  
Guides Accept K-wires Up To: .078" (2 mm)

---

Sumko Surgical Finger Guide  
Designed by Michael H. Sumko, MD
Used to help insert a 3.2 mm guide wire, especially during hip fracture surgery, to help prevent puncturing the surgeons’ glove

**PRODUCT NO:**
8991  
Overall Length: 4" (10.2 cm)
**Redler Wrist Bone Clamp with Wire Guide**

Designed by M.R. Redler, MD

**Designed to hold bony fragments in place for placement of guide wires**

**Can be used for:**
- Placement of pins across distal radius fractures or across carpal bones
- Arthroscopically assisted fixation in the wrist
- Fracture fragments about the elbow
- Placement of guide wires during the open reduction and internal fixation of a patella fracture

**PRODUCT NO:**
1885-45
For Pins up to .045” (1.1 mm)
Overall Length: 9.5" (24.1 cm)
Jaw opens to: 3.5" (8.9 cm)

1885-62
For Pins up to .062” (1.6 mm)
Overall Length: 9.5" (24.1 cm)
Jaw opens to: 3.5" (8.9 cm)

---

**Radiolucent Small Bone Clamp**

*Can be kept in place while using image intensification or taking an x-ray*

Carbon fiber material is strong, lightweight, completely radiolucent, can be steam sterilized, and helps to prevent from marring component surfaces.

**PRODUCT NO:**
1828
Overall Length: 7" (17.8 cm)

---

**Wixted Fracture Distactor**

Designed by John J. Wixted, MD

**Designed to provide opposing leverage to help bring the fibula (or other bone) back out to its proper length after it has been shortened by a fracture**

**PRODUCT NO:**
1882
Overall Length: 7" (17.8 cm)

A 3.5 mm screw is temporarily placed above a plate, providing a source of leverage for the screw holding end of the distractor. The curved peg-shaped tip is then placed into a hole in the bone plate, and the distractor is activated to bring the bone back to its proper length before fixation.

---

**Cut-out for Screw**
Provides a secure source of leverage against a temporarily placed 3.5 mm screw.
Calvo Olecranon Reducing Forceps
Designed by Ignacio J. Calvo, MD

Designed to reduce and hold in place transverse fractures of the olecranon to facilitate the insertion of k-wires and tension bands. Also very useful in malleolar fractures.

PRODUCT NO'S:
1801-L [Left]
1801-R [Right]

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

Lateral Condyle Fracture Set
Designed by Carl R. Weinert, MD

Designed for adult and pediatric lateral condyle fractures.

Elbow Retractor
Designed for use within the elbow joint to retract the anterior capsule and provide full exposure of the anterior articular surface for reduction and fixation of displaced lateral condyle fractures. The small blunted hooks over the intact medial condyle.

Symmetric Reduction Clamp
Useful to compress T-condylar fractures and in many other fracture reduction applications. The stops on each end help prevent excessive penetration of metaphyseal and soft bone.

Asymmetric Reduction Clamps – Left and Right
Shaped to secure the lateral condyle fragment. The straight tip is placed in the coronoid fossa and the curved tip is used to grasp and compress the lateral condyle fragment. The stops on each end help prevent excessive penetration of metaphyseal and soft bone.

PRODUCT NO'S:
4697-00 [Set with Case]
Set Includes / Available Individually:
1755 [Clamp – Symmetric]
Overall Length: 8.5" (21.6 cm)
 Jaw opens to: 1" (2.6 cm)
1756-L [Clamp – Asymmetric Left]
Overall Length: 8.75" (22.2 cm)
1756-R [Clamp – Asymmetric Right]
Overall Length: 8.75" (22.2 cm)
4697 [Elbow Retractor]
Overall Length: 6.25" (16.5 cm)
 Blade Width: 1" (2.54 cm)
1015 [Sterilization Case]
Dimensions: 11.25" x 7.125" x 3.125" (28.6 cm x 18.1 cm x 7.9 cm)

Vaughan Endzone Retractor
Designed by Roderick Vaughan, MD

Designed for use when placing the end screws while plating a fracture using a minimally invasive technique.

The "U" shaped wall design helps allow the maximal exposure along the length, or "endzone", of an incision while maintaining adequate width and retraction along the sides of the exposure.

PRODUCT NO:
1766
Overall Length: 8.75" (22.2 cm)
Deep Depth: 45 mm
Deep Internal Width: 14 mm
Shallow Depth: 25 mm
Shallow Internal Width: 12 mm
Pointed Fracture Reduction Clamps

Designed by Reza Firoozabadi, MD MA

Versatile set of fracture reduction clamps, each with a specific tine design that allows for appropriate vector placement so that anatomic reduction can be obtained in a number of different types of fractures.

- 1.9 mm tines allow for a snug fit in 2 mm drill holes
- Tines angled to prevent clamp “slippage” with compression
- Straight times can be placed deep within bone which allows for far cortex compression.
- Clamps incorporate a box joint design that prevents clamp joint loosening and the need for tightening.
- Example applications: any transverse fracture (straight-straight clamp), both bone forearm fractures, olecranon fractures, medial malleolus fractures, and many more.
- Speed Lock Style: Extra-long spin down allows for increased range of clamp use, and open-topped joint rotates to allow for increased range of opening, and also allows for quick release.

<table>
<thead>
<tr>
<th>Product No's:</th>
<th>Small with Speed Lock Mechanism</th>
<th>Medium with Speed Lock Mechanism</th>
</tr>
</thead>
<tbody>
<tr>
<td>3666 [Straight Left &amp; Right]</td>
<td>Overall Length: 5.5” (14 cm)</td>
<td>3666-01 [Straight Left &amp; Right]</td>
</tr>
<tr>
<td>3667 [Curved Left &amp; Right]</td>
<td>Overall Length: 5.5” (14 cm)</td>
<td>3667-01 [Curved Left &amp; Right]</td>
</tr>
<tr>
<td>3666-L [Curved Left, Straight Right]</td>
<td>Overall Length: 5.5” (14 cm)</td>
<td>3666-L-01 [Curved Left, Straight Right]</td>
</tr>
<tr>
<td>3666-R [Straight Left, Curved Right]</td>
<td>Overall Length: 5.5” (14 cm)</td>
<td>3666-R-01 [Straight Left, Curved Right]</td>
</tr>
</tbody>
</table>


O’Brien Bone Clamps

Designed by Todd O’Brien, DPM

Designed for use in stabilization of a fracture or osteotomy

Allows for placement of the bone clamp where it can best stabilize bone fragments. The drill guide allows for screw placement through the top of the clamp. Calibrations on the handle help eliminate the use of a depth gauge.

<table>
<thead>
<tr>
<th>Product No’s:</th>
<th>1890-02 [Large]</th>
<th>1890-01 [Small]</th>
<th>1890-XSM* [Extra Small]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drill Guide Diameter: 10 mm</td>
<td>10 mm Drill Guide Diameter (accommodates up to 6.5 mm screw)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(accommodates up to 6.5 mm screw)</td>
<td>Calibrated from 12 mm to 40 mm</td>
<td>Calibrated from 9 mm to 30 mm</td>
<td></td>
</tr>
<tr>
<td>Overall Length: 9.25” (23.5 cm)</td>
<td>Overall Length: 6” (15.2 cm)</td>
<td>Overall Length: 4” (10.2 cm)</td>
<td></td>
</tr>
<tr>
<td>Drill Guide Diameter: 8 mm</td>
<td>8 mm Drill Guide Diameter (accommodates up to 4.0 mm screw)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(accommodates up to 4 mm screw)</td>
<td>Calibrated from 8 mm to 30 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall Length: 6” (15.2 cm)</td>
<td>Overall Length: 4” (10.2 cm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drill Guide Diameter: 6 mm</td>
<td>6 mm Drill Guide Diameter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall Length: 4” (10.2 cm)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Calvo Medial Malleolus Fracture Clamp
Designed by Ignacio Calvo, MD
Designed to reduce and hold a displaced medial malleolus fracture
Also very useful in olecranon fractures.

PRODUCT NO'S:
1801-L [Left]
1801-R [Right]

Medial Malleolar/Bone Fragment Clamps
Designed by Edward L. Sclamberg, MD
Quick tightening & release low profile clamp with unlimited settings

PRODUCT NO'S:
1830 [Standard]
Overall Length: 5.5" (14 cm)
Clamp End Length: 1"
1835 [Medium]
Overall Length: 6" (15.2 cm)
Clamp End Length: 2"
1840 [Large]
Overall Length: 8" (20.3 cm)
Clamp End Length: 3"

Teurlings Medial Malleolar Clamp with Wire Guide
Designed by Luc Teurlings, MD
Helps to stabilize the medial malleolar fragment during internal fixation

PRODUCT NO:
1803
Cannula Diameter: .062" (1.6 mm)
Overall Length: 5.25" (13.3 cm)

Bargo Bone Holding Clamp
Designed by Lonnie Bargo, CST/CFA
Designed to aid in the reduction of various fractures, and can help secure a plate in place during installation

Designed to aid in the reduction of various fractures such as: spiral, transverse, compound, oblique, or butterfly. The clamp can also be used to secure a plate in place while the screw holes are being drilled and screws inserted. The fracture site can also be manipulated with the clamp being used as a lever. Teeth in the jaws allows for a better grip and a ratchet locking handle allows use on various bone diameters.
O’Brien Bone Clamp
Designed by Todd O’Brien, DPM
Designed for use in stabilization of a fracture or osteotomy

PRODUCT NO:
1816
Overall Length: 5.25” (13.3 cm)

OrthoLucent O’Brien Bone Clamp
Designed by Todd O’Brien, DPM
Designed for use in stabilization of a fracture or osteotomy
The carbon fiber PEEK material is strong, lightweight, completely radiolucent, can be steam sterilized, and helps to prevent from marring component surfaces.

PRODUCT NO:
1815-R
Overall Length: 5.25” (13.3 cm)

Small Bone Holding Forceps with Long Ratchet
Designed for use in stabilization of a fracture or osteotomy

PRODUCT NO:
1170
Overall Length: 5.75” (14.6 cm)

Faillace Extra Small Bone Clamp
Designed by John J. Faillace, MD
Delicate enough to use on metacarpals but strong enough for distal radius and larger bones with its extra long ratchet

PRODUCT NO:
1171
Overall Length: 5” (12.7 cm)
Jaw Length: 1” (2.5 cm)

MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

FREE TRIAL ON MOST INSTRUMENTS
**Slavitt Phalangeal Forceps**

*Designed by Jerome Slavitt, DPM*

*Designed to enable the surgeon to provide joint distraction and stability during joint placement at the base of the proximal phalanx of the lesser digits.*

Helps to distract the joint and hold the bone, allowing easier access to the base. Can also be used for digital fusions to hold bones better for drilling and cutting applications.

**PRODUCT NO:**
- 1163
  - Overall Length: 6" (15.2 cm)
  - Clamp Internal Opening Diameter: 4 mm

**MADE EXCLUSIVELY FOR INNOMED IN GERMANY**

---

**Chang Pin Clamp**

*Designed by Win Chang, MD*

*Designed to allow accurate insertion of pins for internal fixation.*

Used for small bones, the clamp allows accurate insertion of pins for internal fixation. The cannula has a 1.8 mm internal diameter.

**PRODUCT NO:**
- 1760-01
  - Cannula Internal Diameter: 1.8 mm
  - Overall Length: 6" (15.2 cm)
  - Locking Ratchet Opens To: 25 mm

**MADE EXCLUSIVELY FOR INNOMED IN GERMANY**

---

**Redler Percutaneous Pin Clamp**

*Redler Percutaneous Pin Clamp*

*Holds a small bone in apposition during percutaneous pinning of a fracture*

Designed with a proximal pin tube with teeth; the tube guides the pin and the teeth help keep the tube in place on the bone. The distal tip is used to control the bone fragment. Includes a long ratchet for locking on various sized bones, from 1 mm to 14 mm. Also useful during insertion of cannulated screw guide wires.

**PRODUCT NO:**
- Overall Length: 5" (12.7 cm)
  - 1810-35 Tube Diameter: .035" (.9 mm)
  - 1810-45 Tube Diameter: .045" (1.1 mm)
  - 1810-62 Tube Diameter: .062" (1.6 mm)

**MADE EXCLUSIVELY FOR INNOMED IN GERMANY**

---

**Slavitt Phalangeal Forceps**

*Designed by Jerome Slavitt, DPM*

*Designed to enable the surgeon to provide joint distraction and stability during joint placement at the base of the proximal phalanx of the lesser digits.*

Helps to distract the joint and hold the bone, allowing easier access to the base. Can also be used for digital fusions to hold bones better for drilling and cutting applications.

---

**Chang Pin Clamp**

*Designed by Win Chang, MD*

*Designed to allow accurate insertion of pins for internal fixation.*

Used for small bones, the clamp allows accurate insertion of pins for internal fixation. The cannula has a 1.8 mm internal diameter.

**PRODUCT NO:**
- 1760-01
  - Cannula Internal Diameter: 1.8 mm
  - Overall Length: 6" (15.2 cm)
  - Locking Ratchet Opens To: 25 mm

**MADE EXCLUSIVELY FOR INNOMED IN GERMANY**

---

**Lewin Small Bone Clamp**

*Designed by M.R. Redler, MD*

*Three Tube Sizes Available*

Holds a small bone in apposition during percutaneous pinning of a fracture

Designed with a proximal pin tube with teeth; the tube guides the pin and the teeth help keep the tube in place on the bone. The distal tip is used to control the bone fragment. Includes a long ratchet for locking on various sized bones, from 1 mm to 14 mm. Also useful during insertion of cannulated screw guide wires.

**PRODUCT NO:**
- 4685
  - Overall Length: 5" (12.7 cm)
  - 1810-35 Tube Diameter: .035" (.9 mm)
  - 1810-45 Tube Diameter: .045" (1.1 mm)
  - 1810-62 Tube Diameter: .062" (1.6 mm)

**MADE EXCLUSIVELY FOR INNOMED IN GERMANY**
Coated Allis Bone Clamps  
Modification of design by Charles T. Resnick MD

A traditional Allis Bone Clamp designed with a longer ratchet—for a wider opening to allow a bone and plate to be clamped and locked onto—and coated end(s) to prevent from marring a component surface

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Overall Length</th>
<th>Ratcheted Clamp Opens to</th>
<th>Coated End Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>1381</td>
<td>[One Coated End]</td>
<td>6” (15.2 cm)</td>
<td>35 mm</td>
<td>4.7 mm</td>
</tr>
<tr>
<td>1382</td>
<td>[Two Coated Ends]</td>
<td>6.125” (15.9 cm)</td>
<td>35 mm</td>
<td>4 mm</td>
</tr>
</tbody>
</table>

Made exclusively for Innomed in Germany

Resnick Allis Bone Clamp

Designed by Charles T. Resnick MD

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

PRODUCT NO:

1385  
Overall Length: 6” (15.2 cm)  
Ratcheted Clamp Opens to: 37 mm  
Clamp End Width: 4.7 mm

Small Bone Awls

Designed by Reza Firoozabadi, MD

Designed to help with manipulation of bone fragments for fixation

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Overall Length</th>
<th>Handle Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>5078</td>
<td>[Standard]</td>
<td>10.5” (26.7 cm)</td>
<td>5” (12.7 cm)</td>
</tr>
<tr>
<td>5078-01</td>
<td>[Long]</td>
<td>13.75” (34 cm)</td>
<td>6” (15.2 cm)</td>
</tr>
</tbody>
</table>

New!

Fracture Reduction Pick

Used to align bone fragments, and to pick away tissue and bone fragments

PRODUCT NO:

S0129  
Overall Length: 6.25” (15.9 cm)
Bacastow Tibial Plateau Elevators
Designed by David Bacastow, MD

Designed to help with indirect reduction of a depressed tibial plateau fracture, and can be used with arthroscopic visualization and percutaneous fixation

PRODUCT NO'S:

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Overall Length</th>
<th>Shaft Length</th>
<th>Impactor Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>5297</td>
<td>Starter Elevator</td>
<td>11” (27.9 cm)</td>
<td>4.7 mm</td>
<td></td>
</tr>
<tr>
<td>5298</td>
<td>Finish Elevator</td>
<td>11” (27.9 cm)</td>
<td>10.4 mm</td>
<td></td>
</tr>
</tbody>
</table>

Malleable Bone Tamps
Modified by Serge Kaska, MD

The large tamp is designed to help elevate a depressed tibial plateau fracture, while the small tamp can help elevate a depressed tibial plafond and smaller tibial plateau fractures

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Overall Length</th>
<th>Shaft Length</th>
<th>Impactor Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>5296</td>
<td>Large</td>
<td>14” (35.6 cm)</td>
<td>9.5” (24.1 cm)</td>
<td>12.5 mm</td>
</tr>
<tr>
<td>5296-01</td>
<td>Small</td>
<td>9.5” (24.1 cm)</td>
<td>6” (15.2 cm)</td>
<td>10 mm</td>
</tr>
</tbody>
</table>

Sandman Curved Bone Punch
Designed by Geoffrey A. Sandman, MD

Designed to help elevate a depressed tibial plateau fracture

PRODUCT NO:

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Overall Length</th>
<th>Shaft Length</th>
<th>Impactor Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>5305</td>
<td>Ball Spike</td>
<td>14” (35.6 cm)</td>
<td>9.5” (24.1 cm)</td>
<td>12.5 mm</td>
</tr>
</tbody>
</table>

Ball Spike with Bell Handle
Designed with a long shaft for use in deep wounds

PRODUCT NO:

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Overall Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>8032</td>
<td>Ball Spike</td>
<td>12” (30.5 cm)</td>
</tr>
</tbody>
</table>
Resnick Small Bone Tamp with Oblique K-Wire Hole

Design allows for the concurrent reduction of a fracture and placement of a wire into the fracture site — especially helpful when the surgical exposure is small and tight, the fracture fragments are small, and the reduction is demanding.

Two sizes available:
- Wire hole for K-wires up to 1.2 mm (.045") or 1.6 mm (.062")

PRODUCT NO'S:
- 5294 [1.2 mm Hole]
  - Wire Hole for: 1.2 mm (.045") K-wire
  - Overall Length: 7.5" (19.1 cm)
  - Shaft Diameter: 6.3 mm
  - End Diameter: 2.5 mm
- 5294-01 [1.6 mm Hole]
  - Wire Hole for: 1.6 mm (.062") K-wire
  - Overall Length: 7.5" (19.1 cm)
  - Shaft Diameter: 6.3 mm
  - End Diameter: 2.5 mm

Cannulated Fracture Awl

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

PRODUCT NO: 8091
- Overall Length: 9.75" (24.8 cm)
- Handle Length: 4.75" (12.1 cm)
- Cannula fits wire up to: .062" (1.6 mm)

Stanton Nail/Screw Drill Guide Assembly

FOR DISTAL HUMERAL, FEMORAL, OR TIBIAL SCREWS

Designed to help hold and stabilize a drill guide, allowing the surgeon to obtain 'perfect circles' and drill distal locking screw holes without exposure of the hand to the x-ray beam.

The drill guide is placed over the side of the bone through an incision. The holder is attached to the guide and rested against the skin for stability. With the x-ray on, the guide tube is adjusted by moving the holder until the guide lines up with the hole in the rod. A drill bit is then inserted into the guide.

PRODUCT NO:
- 8986-00 [Assembly Set]
  - Set includes: (1) Holder, (1) Sleeve, and (1) Trocar
  - Also available individually:
    - 8986-01 [Drill Guide Sleeve]
      - Overall Length: 3.85" (9.8 cm)
      - Outside Diameter: 7 mm
    - 8986-02 [Drill Guide Trocar Alignment Tool]
      - Overall Length: 4.375" (11.1 cm)
      - Trocar Diameter: 5 mm
    - 8987 [Locking Drill Guide Holder]
      - Overall Length: 10.5" (26.7 cm)
      - Guide Height: 21 mm
**Small Cannulated Ball Spike**

**Designed by Benjamin C. Taylor, MD**

Designed to help reduce a bone fragment and keep it reduced, while the cannulation allows placement of a k-wire (up to 1.6 mm/.062") into the fragment

- Helps to prevent slipping while inserting k-wires
- Can serve as a handle for k-wire joysticks

**PRODUCT NO:** 8092

- Overall Length: 4.5" (11,4 cm)
- Handle Length: 3" (7,6 cm)
- Ball Diameter: .275" (7 mm)

**Sanders Pin Inserter**

**Designed by Richard Sanders, MD**

Designed to aim and control the placement of flexible k-wires when they contact hard cortical bone, while helping to protect neurovascular structures from the spinning wire

The ends of the guide are smooth and can be passed through skin and tissue with less danger to neurovascular structures. Narrow guides are ideal for wrist surgery such as distal radius fractures, intercarpal fusions, carpal dislocations, etc., where K-wires must be inserted from angles not accessible through the initial incision. The guides can be inserted through appropriately placed small peripheral incisions and placed on the bone with direct vision from the primary incision. The K wire is then passed through the guide, helping to protect adjacent soft tissue structures.

**PRODUCT NO’S:**

- 3015-054 Accepts k-wires up to: .054" (1,4 mm)
  - Tube Length: 1.875" (4,8 cm)
  - Overall Length: 4.25" (10,8 cm)
  - Handle Length: 3.15" (8 cm)
- 3015-081 Accepts k-wires up to: .081" (2 mm)
  - Tube Length: 1.875" (4,8 cm)
  - Overall Length: 4.25" (10,8 cm)
  - Handle Length: 3.15" (8 cm)

**Mogul K-Wire/Pin Insertion Guide**

**Designed by Stuart J. Mogul, DPM, FACFAS**

A guide designed for passing guide pins or k-wires through two adjacent metatarsal bones

**PRODUCT NO:** 3017

- Dimensions: 2.375" Tall x 3.75" Wide (6 x 9,5 cm)
- Maximum Pin Diameter: 3/32" (2,4 mm)
- Maximum Clamped Opening: 2" (5,1 cm)
- Minimum Clamped Opening: .375" (1 cm)
- Pin/K-Wire Guide Length: .925" (23,5 mm)

**Argintar Claw Drill Guide Wire/Suture Passer**

**Designed by Evan Argintar MD**

Expandable claw design allows for minimally invasive, reproducible one-step wire/suture passage

Especially helpful during applications where a suture will be passed—particularly when soft tissue dissection is to be minimized, such as wrist reconstruction (DRUJ), elbow reconstruction (ULCL/MCL), foot-ankle reconstruction (ATFL), quad/patella tendon repair surgery, and multi-ligament knee reconstruction (MCL/LCL).
Incavo Wire Passer
Designed by Stephen J. Incavo, MD

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

**PRODUCT NO’S:**
8300-00 [Set]
Also available individually:
8300-01 [Passer Guide] Overall Length: 8.125” (20.6 cm) Outside Width: 9 mm Inside Groove Width: 6.5 mm
8300-02 [Passer] Overall Length: 7.5” (19.1 cm) Width: 4.6 mm
1025 [Sterilization Case]

Whelan Double-Ended Suture Wire Passer
Passer guide and malleable passer designed to pass suture wires around a bone
Designed by E. J. Whelan, II, MD

Set includes Passer Guide, two Passers, and a sterilization case.

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

**PRODUCT NO’S:**
8610-01 [Small] Overall Length: 7.5” (19.1 cm) Accepts Wire Up To: 4 mm (5/32”)
8610-02 [Large] Overall Length: 8.675” (21.9 cm) Accepts Wire Up To: 4 mm (5/32”)

Beard IM Nail Guide Wire Clamp
Designed by David Beard, MD

Available with or without ratchet

**PRODUCT NO’S:**
3019 [Beard Clamp with Ratchet] Dimensions: 5.5” w x 6” h (14 cm x 15.2 cm)
3019-01 [Beard Clamp without Ratchet] Dimensions: 5.5” w x 6” h (14 cm x 15.2 cm)

Straight Suture Passer
Designed by Brian T. Maurer, MD

Designed to help pass suture through bone

**PRODUCT NO:**
1111 Overall Length: 8.125” (20.6 cm) Handle Length: 4.25” (10.6 cm) Shaft Diameter: 2.5 mm
**Browner Wire Tightener**  
Designed by Bruce D. Browner, MD  
Wire is passed through the distal arm hole and into the separate drum holes, and can then be tightened and rotated before being cut with a wire cutter.

**DMP Wire Tightener**  
Designed by DMP  
Used to hand tighten a cerclage wire around a bone.  
Four wire holes — two for up to 20 gauge wires, and two for up to 18 gauge wires.

**Stanton Bent Pin Removal Pliers**  
Designed by John Stanton, MD  
For pins up to .062" (1.6 mm).

**Stanton Straight Pin Removal Pliers**  
Designed by John Stanton, MD

---

**PRODUCT NO:**  
8251  
Overall Length: 6" (15.2 cm)  
Width: 3.0" (9.5 cm)  
Wire Hole Diameters: .125" (3.2 mm)

**PRODUCT NO:**  
8729  
Overall Length: 4.5" (11.4 cm)  
Handle Width: 2.625" (6.7 cm)  
End Diameter: 15 mm

**PRODUCT NO:**  
1893  
Overall Length: 6.375" (16.2 cm)  
Jaw Length: 1.62" (4.1 cm)  
Instrument Width: 3 cm
**K-Wire Bender/Cutter**

*Designed to bend a K-Wire while extending from bone without applying mechanical strain*

The K-Wire only needs to extend 20 mm from the skin surface to be bent.

**PRODUCT NO:**

3033

Overall Length: 6.5" (16.5 cm)

- **Overall Length:** 6.5" (16.5 cm)
- **Jaw Width:** 6.2 mm tapering to 3 mm at end
- **Jaw Height:** 11.7 mm

Small size allows for use in a small incision to help with removal of a 2 mm or smaller k-wire pin.

**Can bend and cut K-Wires measuring 1 to 1.6 mm (0.039 – 0.062") in diameter**

**Bending**

With the jaw of the instrument opened wide, the K-Wire is inserted from the side into one of the slots of the lower jaw. During bending, the K-Wire is forced backwards by the nose of the upper jaw and guided by a small groove.

**Cutting**

The K-Wire is inserted into the cutting groove and the bender/cutter cuts by shearing (like a cigar cutter), not crushing. The result is a clean and burr-free cut surface.

**Wire Bender**

*Designed to bend wire up to .062"/1.6 mm*

**PRODUCT NO:**

2024

Overall Length: 5.5" (14 cm)

- **Overall Length:** 5.5" (14 cm)
- **Jaw Width:** 1.2 mm and 1.6 mm
- **Jaw Height:** 1.2 mm and 1.6 mm

- **1 and 1.2 mm**
- **1.2 and 1.6 mm**

- **Clean Cutting**

The K-Wire is inserted into the cutting groove and the bender/cutter cuts by shearing (like a cigar cutter), not crushing. The result is a clean and burr-free cut surface.

- **Bending**

With the jaw of the instrument opened wide, the K-Wire is inserted from the side into one of the slots of the lower jaw. During bending, the K-Wire is forced backwards by the nose of the upper jaw and guided by a small groove.

**Pin Puller - Small**

*Small size allows for use in a small incision to help with removal of a 2 mm or smaller k-wire pin*

**PRODUCT NO:**

3033

Overall Length: 6.5" (16.5 cm)

- **Overall Length:** 6.5" (16.5 cm)
- **Jaw Width:** 6.2 mm tapering to 3 mm at end
- **Jaw Height:** 11.7 mm

**LARGER SIZE AVAILABLE**

**McPherson Retractor Extender**

*Designed by Ed McPherson, MD*

**Designed to extend a standard retractor to help provide additional leverage**

Available in two sizes to accomodate most retractors — standard for retractors up to .125" (3.2 mm) thick, and large for retractors up to .16" (4 mm) thick.

**PRODUCT NO'S:**

- **6022** (Standard)
  - Overall Length: 15.625" (39.7 cm)
  - For retractors up to .125" (.3175 mm) thick

- **6022-01** (Large)
  - Overall Length: 15.625" (39.7 cm)
  - For retractors up to .16" (4 mm) thick

**NEW!**

**Pin Puller**

*Small size allows for use in a small incision to help with removal of a 2 mm or smaller k-wire pin*

**PRODUCT NO:**

3033

Overall Length: 6.5" (16.5 cm)

- **Overall Length:** 6.5" (16.5 cm)
- **Jaw Width:** 6.2 mm tapering to 3 mm at end
- **Jaw Height:** 11.7 mm

**LARGER SIZE AVAILABLE**

**McPherson Retractor Extender**

*Designed by Ed McPherson, MD*

**Designed to extend a standard retractor to help provide additional leverage**

Available in two sizes to accomodate most retractors — standard for retractors up to .125" (3.2 mm) thick, and large for retractors up to .16" (4 mm) thick.
**Gain Radiolucence Without Compromising Strength or Function**

- Ideal for total joint use with x-ray
- Steam sterilizable
- Completely radiolucent
- Flat black non-gloss finish
- No metal transfer with component contact
- Slightly higher cost than stainless steel

**OrthoLucent™ Retractors**

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Blade Width</th>
<th>Overall Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>4535-R</td>
<td>[Modified Narrow]</td>
<td>18 mm</td>
<td>10&quot;</td>
</tr>
<tr>
<td>4550-R</td>
<td>[Modified Blunt]</td>
<td>16 mm</td>
<td>10.75&quot;</td>
</tr>
<tr>
<td>4555-R</td>
<td>[Standard]</td>
<td>16 mm</td>
<td>9.625&quot; (24.4 cm)</td>
</tr>
<tr>
<td>7110-R</td>
<td>[Narrow Bent]</td>
<td>19 mm</td>
<td>9.75&quot; (23.8 cm)</td>
</tr>
</tbody>
</table>

**OrthoLucent™ Narrow Hohmann Retractors**

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Blade Width</th>
<th>Overall Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>4535</td>
<td>[Narrow]</td>
<td>14 mm</td>
<td>10&quot;</td>
</tr>
<tr>
<td>4535-R*</td>
<td>[OrthoLucent™ Narrow]</td>
<td>18 mm</td>
<td>10&quot;</td>
</tr>
<tr>
<td>4535-01</td>
<td>[Extra Deep Narrow]</td>
<td>16.4 mm</td>
<td>11.625&quot; (29.5 cm)</td>
</tr>
<tr>
<td>4545</td>
<td>[Short-tipped Narrow]</td>
<td>16 mm</td>
<td>9.5&quot; (24.1 cm)</td>
</tr>
<tr>
<td>6595</td>
<td>[Wide]</td>
<td>25.4 mm</td>
<td>10&quot;</td>
</tr>
<tr>
<td>6595-01</td>
<td>[Extra Deep Wide]</td>
<td>42.5 mm</td>
<td>11.5&quot; (29.2 cm)</td>
</tr>
</tbody>
</table>

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.

**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:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Blade Width</th>
<th>Overall Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>2820-R</td>
<td>[PCL]</td>
<td>19 mm</td>
<td>9.675&quot; (25.1 cm)</td>
</tr>
<tr>
<td>3220-02R</td>
<td>[Chandler]</td>
<td>19 mm</td>
<td>9.675&quot; (25.1 cm)</td>
</tr>
<tr>
<td>6130-R</td>
<td>[Cobra]</td>
<td>33 mm</td>
<td>12&quot; (30.5 cm)</td>
</tr>
</tbody>
</table>

Carbon fiber PEEK composite material is strong, lightweight, completely radiolucent and can be steam sterilized, and helps to prevent from marring component surfaces.
Light Wands – Short and Small Diameter

Designed by Anthony Unger, MD

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

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

**Product No's:**

<table>
<thead>
<tr>
<th>Product No</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8011-01</td>
<td>Short Light Wand</td>
</tr>
<tr>
<td>8011-02</td>
<td>Short Thin Light Wand</td>
</tr>
<tr>
<td>8011-03</td>
<td>Long Thin Light Wand</td>
</tr>
<tr>
<td>8011-01-L</td>
<td>Jana Lighted Cobra</td>
</tr>
<tr>
<td>6119-L-01</td>
<td>Jana Lighted Cobra</td>
</tr>
<tr>
<td>8009-S</td>
<td>ACMI to Storz Adapter</td>
</tr>
<tr>
<td>8009-W</td>
<td>ACMI to Wolf Adapter</td>
</tr>
</tbody>
</table>

Disposable LED Light Source

**Product No's:**

<table>
<thead>
<tr>
<th>Product No</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8010-01</td>
<td>Disposable LED Light Source</td>
</tr>
<tr>
<td>8010-10</td>
<td>Disposable LED Light Source</td>
</tr>
</tbody>
</table>

Light Source Cable Adapters

**Product No's:**

<table>
<thead>
<tr>
<th>Product No</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8009-S</td>
<td>ACMI to Storz Adapter</td>
</tr>
<tr>
<td>8009-W</td>
<td>ACMI to Wolf Adapter</td>
</tr>
</tbody>
</table>

Lighted Hip Retractors

Lighting attachment for enhanced visual exposure

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.

**Product No's:**

<table>
<thead>
<tr>
<th>Product No</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8009-S</td>
<td>ACMI to Storz Adapter</td>
</tr>
<tr>
<td>8009-W</td>
<td>ACMI to Wolf Adapter</td>
</tr>
</tbody>
</table>

Lighted retractors come with one (1) Disposable LED Light Source (#8010-01).

**Product No's:**

<table>
<thead>
<tr>
<th>Product No</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8010-01</td>
<td>Disposable LED Light Source</td>
</tr>
<tr>
<td>8010-10</td>
<td>Disposable LED Light Source</td>
</tr>
</tbody>
</table>

**New!**

Lighted Single Prong Double Bent – Long

Disposable LED Light Source

One included with each wand.
LED Disposable Light Source and Reusable Light Wand Kit

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

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>8010-00</td>
<td>Kit – Wand &amp; One Light Source</td>
<td></td>
</tr>
<tr>
<td>8010-01</td>
<td>[Disposable LED Light Source] Pkg of 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Overall Length: 2.5” (6.4 cm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Diameter: 1” (2.5 cm)</td>
<td></td>
</tr>
<tr>
<td>8010-10</td>
<td>[Disposable LED Light Source] Pkg of 10</td>
<td></td>
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</tbody>
</table>

**REPLACEMENT PARTS**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8010-01</td>
<td>[Disposable LED Light Source] Pkg of 1</td>
</tr>
</tbody>
</table>

**LED Disposable Light Source and Reusable Light Wand Kit**

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>5910</td>
<td>[Small]</td>
<td>Curve Diameter: 25 mm</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 12.75” (32,4 cm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Handle Length: 4.75” (12,1 cm)</td>
<td></td>
</tr>
<tr>
<td>5915</td>
<td>[Medium]</td>
<td>Curve Diameter: 35 mm</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 12.75” (32,4 cm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Handle Length: 4.75” (12,1 cm)</td>
<td></td>
</tr>
<tr>
<td>5920</td>
<td>[Large]</td>
<td>Curve Diameter: 50 mm</td>
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<tr>
<td></td>
<td>Overall Length: 12.75” (32,4 cm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Handle Length: 4.75” (12,1 cm)</td>
<td></td>
</tr>
<tr>
<td>5920-01</td>
<td>[Large w/ Cable/Wire Hole]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Designed by: R.L. Wixson, MD &amp; J. McCarthy, MD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Curve Diameter: 50 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Overall Length: 12.75” (32,4 cm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Handle Length: 4.75” (12,1 cm)</td>
<td></td>
</tr>
</tbody>
</table>

**Bone Hooks**

Designed by R.L. Wixson, MD

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>5925</td>
<td>[Small]</td>
<td>Curve Diameter: 25 mm</td>
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<tr>
<td></td>
<td>Overall Length: 10” (25,4 cm)</td>
<td></td>
</tr>
<tr>
<td>5930</td>
<td>[Medium]</td>
<td>Curve Diameter: 35 mm</td>
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<tr>
<td></td>
<td>Overall Length: 10” (25,4 cm)</td>
<td></td>
</tr>
<tr>
<td>5935</td>
<td>[Large]</td>
<td>Curve Diameter: 55 mm</td>
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<tr>
<td></td>
<td>Overall Length: 10” (25,4 cm)</td>
<td></td>
</tr>
</tbody>
</table>

**Lombardi Bone Hooks**

Designed by Adolph V. Lombardi, MD

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>8010-00</td>
<td>Kit – Wand &amp; One Light Source</td>
<td></td>
</tr>
<tr>
<td>8010-01</td>
<td>[Disposable LED Light Source] Pkg of 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Overall Length: 2.5” (6.4 cm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Diameter: 1” (2.5 cm)</td>
<td></td>
</tr>
<tr>
<td>8010-10</td>
<td>[Disposable LED Light Source] Pkg of 10</td>
<td></td>
</tr>
</tbody>
</table>

**REPLACEMENT PARTS**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8010-01</td>
<td>[Disposable LED Light Source] Pkg of 1</td>
</tr>
</tbody>
</table>

**LED Disposable Light Source and Reusable Light Wand Kit**

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>5910</td>
<td>[Small]</td>
<td>Curve Diameter: 25 mm</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 12.75” (32,4 cm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Handle Length: 4.75” (12,1 cm)</td>
<td></td>
</tr>
<tr>
<td>5915</td>
<td>[Medium]</td>
<td>Curve Diameter: 35 mm</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 12.75” (32,4 cm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Handle Length: 4.75” (12,1 cm)</td>
<td></td>
</tr>
<tr>
<td>5920</td>
<td>[Large]</td>
<td>Curve Diameter: 50 mm</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 12.75” (32,4 cm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Handle Length: 4.75” (12,1 cm)</td>
<td></td>
</tr>
<tr>
<td>5920-01</td>
<td>[Large w/ Cable/Wire Hole]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Designed by: R.L. Wixson, MD &amp; J. McCarthy, MD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Curve Diameter: 50 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Overall Length: 12.75” (32,4 cm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Handle Length: 4.75” (12,1 cm)</td>
<td></td>
</tr>
</tbody>
</table>

**Bone Hooks**

Designed by R.L. Wixson, MD

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>5925</td>
<td>[Small]</td>
<td>Curve Diameter: 25 mm</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 10” (25,4 cm)</td>
<td></td>
</tr>
<tr>
<td>5930</td>
<td>[Medium]</td>
<td>Curve Diameter: 35 mm</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 10” (25,4 cm)</td>
<td></td>
</tr>
<tr>
<td>5935</td>
<td>[Large]</td>
<td>Curve Diameter: 55 mm</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 10” (25,4 cm)</td>
<td></td>
</tr>
</tbody>
</table>

**Lombardi Bone Hooks**

Designed by Adolph V. Lombardi, MD

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>5925</td>
<td>[Small]</td>
<td>Curve Diameter: 25 mm</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 10” (25,4 cm)</td>
<td></td>
</tr>
<tr>
<td>5930</td>
<td>[Medium]</td>
<td>Curve Diameter: 35 mm</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 10” (25,4 cm)</td>
<td></td>
</tr>
<tr>
<td>5935</td>
<td>[Large]</td>
<td>Curve Diameter: 55 mm</td>
</tr>
<tr>
<td></td>
<td>Overall Length: 10” (25,4 cm)</td>
<td></td>
</tr>
</tbody>
</table>
Rosen “V” Deep Soft Tissue Retractor
Designed by Adam Rosen, DO
Designed for soft tissue retraction with an ergonomic handle

PRODUCT NO:
6239
Overall Length: 12” (30.5 cm)
Blade Depth: 3.5” (8.9 cm)
Blade Width: 1.75” (4.4 cm)

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.

PRODUCT NO’s:
6051  [Deep, Sharp]
Overall Length: 11.175” (28.3 cm)
Blade Width: 2.375” (6 cm)
Blade Depth: 2.75” (7 cm)

6052  [Deep, Blunt]
Overall Length: 11.175” (28.3 cm)
Blade Width: 2.375” (6 cm)
Blade Depth: 2.75” (7 cm)

6053  [Shallow, Sharp]
Overall Length: 11.175” (28.3 cm)
Blade Width: 2.375” (6 cm)
Blade Depth: 1.875” (4.8 cm)

6054  [Shallow, Blunt]
Overall Length: 11.175” (28.3 cm)
Blade Width: 2.375” (6 cm)
Blade Depth: 1.875” (4.8 cm)

Meyerding Type 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.

PRODUCT NO’s:
6241  [50 x 16 mm]
Overall Length: 8.875” (22.5 cm)
Blade Width: 16 mm
Blade Depth: 50 mm

6242  [75 x 15 mm]
Overall Length: 9” (22.9 cm)
Blade Width: 15 mm
Blade Depth: 75 mm

6243  [75 x 25 mm]
Overall Length: 9” (22.9 cm)
Blade Width: 25 mm
Blade Depth: 75 mm

Rake Retractors with Ergonomic Handle
Designed for general use soft tissue retraction

PRODUCT NO’s:
4839  [3-Prong]
Overall Length: 9.5” (24.1 cm)
Rake Width: 13 mm
Rake Depth: 14 mm

4840  [4-Prong]
Overall Length: 9.5” (24.1 cm)
Rake Width: 19 mm
Rake Depth: 14 mm
Kaminsky OrthoLucent™ Browne-type Deltoid Retractors

Used for the Delto-Pectoral Approach—can remain in place for fracture reduction, plate positioning, and screw/wire/drill location confirmation

Used for acromioplasty, rotator cuff repair, and fracture fixation. Contours the humeral head with deltoid retraction allowing extensive exposure. Helps to reduce operative time, assist in fracture reduction, and maintain hardware position without the frequent need for retractor removal and reintroduction.

Carbon fiber PEI composite material is strong, lightweight, completely radiolucent, can be steam sterilized, and helps to prevent from marring component surfaces.

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Description</th>
<th>Overall Length</th>
<th>Depth from Bend</th>
<th>Blade Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>1670-01R</td>
<td>Small</td>
<td>10.5&quot; (26.7 cm)</td>
<td>4.5 cm</td>
<td>4.5 cm</td>
</tr>
<tr>
<td>1670-02R</td>
<td>Large</td>
<td>10.5&quot; (26.7 cm)</td>
<td>5.4 cm</td>
<td>5.4 cm</td>
</tr>
</tbody>
</table>

MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

Kaminsky OrthoLucent™ Browne-type Deltoid Retractors

Contoured to match the curve of the deltoid, the retractor helps to retract the entire deltoid laterally during the deltopectoral approach. The width approximates 2/3 the length of the deltoid, while the blade is deep enough to help control the entire deltoid without displacement of the tuberosity reduction. Sized to fit deltoids in small and large patients.

Levy Wide Deltoid Retractor

Designed by Jonathan Levy, MD

Designed for management of proximal humerus fractures—facilitates appropriate deltoid retraction without interference during active fluoroscopy

PRODUCT NO:

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Overall Length</th>
<th>Blade Width at Widest</th>
<th>Blade Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>1672</td>
<td>11.75&quot; (29.8 cm)</td>
<td>67 mm</td>
<td>1.375&quot; (3.5 cm)</td>
</tr>
</tbody>
</table>

Contoured to match the curve of the deltoid, the retractor helps to retract the entire deltoid laterally during the deltopectoral approach. The width approximates 2/3 the length of the deltoid, while the blade is deep enough to help control the entire deltoid without displacement of the tuberosity reduction. Sized to fit deltoids in small and large patients.

Taylor Retractors

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Description</th>
<th>Overall Length</th>
<th>Depth from Bend</th>
<th>Blade Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>6330-01</td>
<td>Standard</td>
<td>8&quot; (20.3 cm)</td>
<td>4&quot; (10.2 cm)</td>
<td>32 mm</td>
</tr>
<tr>
<td>6330-02</td>
<td>Large</td>
<td>9&quot; (23 cm)</td>
<td>5.5&quot; (14 cm)</td>
<td>32 mm</td>
</tr>
<tr>
<td>6330-03</td>
<td>Deep with Pin Guides</td>
<td>9&quot; (23 cm)</td>
<td>5.5&quot; (14 cm)</td>
<td>32 mm</td>
</tr>
</tbody>
</table>

Guide for Pins Up To: .125" (3.2 mm)

Modular Weights

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

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Weight</th>
<th>Description</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>with attaching hook</td>
</tr>
<tr>
<td>3430-03</td>
<td>2.5 lbs. (1.13 kg)</td>
<td></td>
</tr>
</tbody>
</table>

Dozier Radiolucent Bennett Hip Fracture Retractor

Designed by John K. Dozier, MD

Can be kept in place while using image intensification or taking an x-ray

PRODUCT NO:

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Overall Length</th>
<th>Blade Length</th>
<th>Blade Width at Widest</th>
</tr>
</thead>
<tbody>
<tr>
<td>6870</td>
<td>6.75&quot; (17.1 cm)</td>
<td>8.5&quot; (21.6 cm)</td>
<td>67 mm</td>
</tr>
</tbody>
</table>

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.
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.

Deep Meyerding Retractor with Ergonomic Handle


PRODUCT NO:
6244
Overall Length: 8.5" (21.6 cm)
Blade Depth: 3.5" (8.9 cm)
Blade Width: 1" (2.5 cm)

Made exclusively for Innomed in Germany

Gelpi Retractors

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

PRODUCT NO’s:
4191 [Small]
Overall Length: 6.5" (16.5 cm)
Prong Depth: 1.25" (3.2 cm)

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

4193 [Large]
Overall Length: 9" (22.9 cm)
Prong Depth: 3" (7.6 cm)

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

The two largest sizes feature an ergonomic handle for increased comfort and control.

Flat Gelpi Retractors

PRODUCT NO’s:
4191 [Small]
Overall Length: 6.5" (16.5 cm)
Prong Depth: 1.25" (3.2 cm)

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

4193 [Large]
Overall Length: 9" (22.9 cm)
Prong Depth: 3" (7.6 cm)

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

The two largest sizes feature an ergonomic handle for increased comfort and control.

Innomed Retractors

PRODUCT NO:
1586
Overall Length: 8.875" (22.5 cm)
Maximum Width at Pegs: 8" (20.3 cm)

Flat Gelpi Retractors

PRODUCT NO’s:
4191 [Small]
Overall Length: 6.5" (16.5 cm)
Prong Depth: 1.25" (3.2 cm)

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

4193 [Large]
Overall Length: 9" (22.9 cm)
Prong Depth: 3" (7.6 cm)

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

Gelpi Retractors

PRODUCT NO’s:
4180 [Standard]
Overall Length: 7.75" (19.7 cm)

4181 [With Ergonomic Handle]
Overall Length: 8.75" (22.2 cm)
**Trauma/Spine Deep Tissue Retractors**

Double Bent Extended Deep Tissue Retractor

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

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>1859</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length: 8.75&quot; (22.2 cm)</td>
<td></td>
</tr>
<tr>
<td>Handle-to-Bend Length: 6.5&quot; (16.5 cm)</td>
<td></td>
</tr>
<tr>
<td>Drop Depth: 3&quot; (7.6 cm)</td>
<td></td>
</tr>
<tr>
<td>Prongs: 1.5&quot; Long x 1.375&quot; Wide (3.8 cm x 3.5 cm)</td>
<td></td>
</tr>
</tbody>
</table>

Large Exposure Self-Retaining Retractor

*Designed for effective exposure of large wounds*

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>1551-01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length (flat): 15.75&quot; (40 cm)</td>
<td></td>
</tr>
<tr>
<td>Lug Depth from Bend: 5.25&quot; (13.3 cm)</td>
<td></td>
</tr>
</tbody>
</table>

Alvi Beckman Self-Retaining Retractor

*Designed by Hasham 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*

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>1577</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length: 13&quot; (33 cm)</td>
<td></td>
</tr>
<tr>
<td>Length to Bend: 9.625&quot; (24.4 cm)</td>
<td></td>
</tr>
<tr>
<td>Drop Depth when Full Bent: 3.125&quot; (7.9 cm)</td>
<td></td>
</tr>
</tbody>
</table>
PRODUCT NO'S:
OUTSPREAD ARMS
4215-LB [Large]  
Holes Diameters: For .062" & .094"  
(1.6 & 2.4 mm) K-wire Pins  
Overall Length: 8" (20.3 cm)
4215-SB [Small]  
Holes Diameters: For .062" & .094"  
(1.6 & 2.4 mm) K-wire Pins  
Overall Length: 6" (15.2 cm)

CLOSED ARMS
4210-LB [Large]  
Holes Diameters: For .062" & .094"  
(1.6 & 2.4 mm) K-wire Pins  
Overall Length: 8" (20.3 cm)
4210-LS [Large]  
Holes Diameters: For .062" & .094"  
(1.6 & 2.4 mm) K-wire Pins  
Overall Length: 8" (20.3 cm)
4210-SS [Small]  
Holes Diameters: For .062" & .094"  
(1.6 & 2.4 mm) K-wire Pins  
Overall Length: 6" (15.2 cm)
4210-XSD [Extra Small]  
Holes Diameters: For .062" & .094"  
(1.6 & 2.4 mm) K-wire Pins  
Overall Length: 4.25" (10.8 cm)

Extra Small
Closed Arms only

Joint, Calcaneal and Small Bone Distractors with Thumbscrews
Thumbscrews help prevent the unit from sliding on the pins
WITH THUMBSCREWS
Large and Small, Outspread and Closed Arms

Joint, Calcaneal, and Small Bone Compressor
Designed for compression in fracture and osteotomy procedures
Two hole sizes for ease of pin size selection: .062" (1.6 mm) & .094" (2.4 mm)

PRODUCT NO'S:
4210-SC [Small]  
Overall Length: 6" (15.2 cm)
4210-XSC [Extra Small]  
Overall Length: 4.25" (10.8 cm)
Joint, Calcaneal, and Small Bone Compressor/Distractors with Speed Lock

Speed lock helps allow precise control and prevents unintended release

Two hole sizes allow for pin size selection.

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th>CLOSED ARMS WITH SPEED LOCK</th>
</tr>
</thead>
<tbody>
<tr>
<td>4216-LS [Large]</td>
<td>Holes: .062&quot; &amp; .094&quot; (1.6 &amp; 2.4 mm) K-wire Pins</td>
</tr>
<tr>
<td>Overall Length: 8&quot; (20.3 cm)</td>
<td></td>
</tr>
<tr>
<td>4216-SS [Small]</td>
<td>Holes: .062&quot; &amp; .094&quot; (1.6 &amp; 2.4 mm) K-wire Pins</td>
</tr>
<tr>
<td>Overall Length: 6&quot; (15.2 cm)</td>
<td></td>
</tr>
<tr>
<td>4216-XS [Extra Small]</td>
<td>Holes: .062&quot; &amp; .094&quot; (1.6 &amp; 2.4 mm) K-wire Pins</td>
</tr>
<tr>
<td>Overall Length: 4.5&quot; (11.4 cm)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OUTSPREAD ARMS WITH SPEED LOCK &amp; THUMBSCREWS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4217-LB [Large]</td>
</tr>
<tr>
<td>Overall Length: 8&quot; (20.3 cm)</td>
</tr>
<tr>
<td>4217-SS [Small]</td>
</tr>
<tr>
<td>Overall Length: 6&quot; (15.2 cm)</td>
</tr>
</tbody>
</table>

Large Pin Distractor and Compressor

Larger 1/8" (3.2 mm) pin hole size for extra sturdy distraction or compression

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4233 [Large Pin Distractor]</td>
</tr>
<tr>
<td>Hole Diameters: .125&quot; (3.2 mm) K-wire Pins</td>
</tr>
<tr>
<td>Overall Length: 8&quot; (20.3 cm)</td>
</tr>
<tr>
<td>4234 [Large Pin Compressor]</td>
</tr>
<tr>
<td>Hole Diameters: .125&quot; (3.2 mm) K-wire Pins</td>
</tr>
<tr>
<td>Overall Length: 8&quot; (20.3 cm)</td>
</tr>
</tbody>
</table>

Joint, Calcaneal, and Small Bone Compressor/Distractor

Selection lever switches the mechanism from compression to distraction

Simply squeeze the handle one time after direction selection to engage the mechanism.

Two hole sizes for pin size selection.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4865-LS</td>
</tr>
<tr>
<td>Overall Length: 8.5&quot; (21.6 cm)</td>
</tr>
<tr>
<td>Holes: .062&quot; &amp; .094&quot; (1.6 &amp; 2.4 mm) K-wire Pins</td>
</tr>
</tbody>
</table>

1.800.548.2362 OCTOBER 2020 TRAUMA INSTRUMENTS
HFD Compressor/Distractor

Dial mechanism helps allow precise control of inserted wires— for maintaining a position, compressing or distracting

- **A.125” (3.2 mm) pin can be used in the holes of the thumbwheel for leverage**
- **Small**: Two hole sizes allow for easy of pin size selection: .045” (1.1 mm) & .062” (1.6 mm)
- **Large**: Two hole sizes allow for easy of pin size selection: .082” (2.0 mm) & .125” (3.2 mm)
- Radiolucent arms are a steam sterilizable PEEK/Carbon Fiber composite

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>SMALL</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1834 [Small – All Stainless Steel]</td>
<td>Dimensions: 52 mm x 57 mm Max Arm Opening: 1.35” (3.4 cm)</td>
<td></td>
</tr>
<tr>
<td>1834-R [Small w/Radiolucent Arms]</td>
<td>Dimensions: 52 mm x 57 mm Max Arm Opening: 1.35” (3.4 cm)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LARGE</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1836 [Large – All Stainless Steel]</td>
<td>Overall Length: 4” (10.2 cm) Max Arm Opening: 2.25” (5.7 cm)</td>
<td></td>
</tr>
<tr>
<td>1836-R [Large w/Radiolucent Arms]</td>
<td>Overall Length: 4” (10.2 cm) Max Arm Opening: 2.25” (5.7 cm)</td>
<td></td>
</tr>
</tbody>
</table>

---

Wurapa Small Joint Compressor and Distractor

Designed by Raymond K. Wurapa, MD

Designed to allow one-handed manipulation and deployment once fixation pins are placed

Designed to simplify several small joint procedures:

- Preparation of small bone non-unions before bone grafting and fixation
- Preparation of small joints for arthrodesis (e.g. partial wrist fusion)
- Distract and better evaluate small joints before determining final management
- Useful for intercarpal stabilization while performing ligament reconstructions (e.g. scapholunate ligament repair/reconstruction)

Available with two hole sizes on each instrument

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>SMALL</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1751 [Compressor]</td>
<td>Compresses From: 28 mm Overall Length: 4.625” (11.7 cm)</td>
<td></td>
</tr>
<tr>
<td>1752* [Distractor]</td>
<td>Distracts to: 46 mm Overall Length: 4.625” (11.7 cm)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DOUBLE HOLES:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>.045” (1.1 mm) &amp; .062” (1.6 mm)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LARGE</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1753 [Compressor]</td>
<td>Compresses From: 28 mm Overall Length: 4.5” (11.4 cm)</td>
<td></td>
</tr>
<tr>
<td>1754 [Distractor]</td>
<td>Distracts to: 46 mm Overall Length: 4.5” (11.4 cm)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SINGLE HOLE:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>.045” (1.1 mm) Hole</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

HFD Self-Retaining Small Bone Spreader

Versatile spreader featuring narrow tapered blades which, when together, make a small wedge to enter a tight bone interface or osteotomy

Blades feature a non-aggressive grip pattern that can be used when spreading apart bone as well as providing retraction of soft tissue in a smaller wound.

**PRODUCT NO:**

1829

- Overall Length: 4.5” (11.4 cm)
- Blade Depth: 28 mm
- Blade Width Tapers from: 8 mm to 5 mm

---

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

---

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WWW.INNOMED.NET
Gurbani Joint Distractor/Compressor
Versatile joint distractor/compressor for arthroscopic or open procedures of foot, ankle, hand, and wrist joints

PRODUCT NO’S:
4208-00 [Set]
   Includes: Distractor/Compressor, T-Wrench, and Case
Available individually:
4208-01 [Distractor/Compressor Only]
   Dimensions: 6" w x 5" h (15.2 cm x 12.7 cm)
   Distracts up to 3" (7.6 cm) / Compresses down to .5" (1.3 cm)
4208-TW [T-Wrench]
   Dimensions: 3" w x 3" h (7.6 cm x 7.6 cm)
1025 [Sterilization Case]

T-wrench helps provide precise, controlled manipulation

Faillace Ambidextrous Self-Retaining Retractor
Designed by John J. Faillace, MD

PRODUCT NO’S:
1580 [7 Teeth]
   Overall Length: 7.5" (19.1 cm)
   Prong Depth: 38 mm
   Prong Width: 34 mm
1579 [4 Teeth]
   Overall Length: 6" (15.2 cm)
   Prong Depth: 38 mm
   Prong Width: 18 mm
1579-01 [Small – 4 x3 Teeth]
   Overall Length: 5.25" (13.3 cm)
   Prong Depth: 18 mm / 13 mm

Swivel-blade technology helps to allow parallel deployment of retractor blades to maximize wound exposure and minimize edge loading on surrounding soft tissues. Parallel deployment of the retractor blades also helps prevent rotation and migration of the retractor during a procedure.

Wurapa Swivel Blade Forearm Retractor
Designed by Raymond Wurapa, MD

PRODUCT NO’S:
1646-00 [Set]
   Includes Retractor and Two Swivel Blades
Also available individually:
1646-01 [Retractor]
   Overall Length: 5.125" (13 cm)
   Opens to: 2.5" (6.4 cm)
1646-02 [Swivel Blade]
   One blade with this product number, two included in set
   Width: .9375" (24 mm)
   Depth: .75" (19 mm)

Swivel-blade technology helps to allow parallel deployment of retractor blades to maximize wound exposure and minimize edge loading on surrounding soft tissues. Parallel deployment of the retractor blades also helps prevent rotation and migration of the retractor during a procedure.

Williams Distal Radius Fracture Retractor
Designed to provide excellent exposure during fracture reduction and plating

PRODUCT NO’S:
1837-L [Left]
   For Pins up to .045" (1.1 mm)
   Overall Length: 4.5" (11.4 cm)
   Blade Depth: 20 mm
   Blade Width: 12.5 mm
1837-R [Right]
   For Pins up to .045" (1.1 mm)
   Overall Length: 4.5" (11.4 cm)
   Blade Depth: 20 mm
   Blade Width: 12.5 mm

Pin Hole Sizes:
   .15" (3.5 mm) and .182" (4.5 mm)

T-wrench helps provide precise, controlled manipulation
Dodson Modular Retractor
Designed by Mark A. Dodson, MD

Designed to help expose a small to medium size bone for internal fixation—can be used for distal radius, ulna, humerus, and fibula fractures

Allows the limb to be rotated (pronated or supinated) without loss of exposure. The hohmann retractors have three hole sizes which allow for a variety of positioning angle options using the teeth of the self-retaining retractor, or can also be positioned in-between the teeth. The hohmann is placed around the bone, and thus reduces the force on the soft tissues while increasing exposure. Can be used in the forearm to treat radius and ulna shaft fractures, humerus fractures, as well as in the leg for fibula fractures.

The optional radiolucent blades are 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.

Beard Distal Bicep Retractor
Designed by David Beard, MD

Designed to help optimize surgical exposure during anterior single incision distal biceps tendon reinsertion

The blade design features an anatomically contoured distal end to hug the radius cortex. The smooth distal end helps to avoid deep penetration, and the width matches the width of the distal biceps tendon insertion site. The narrow curved handle design helps to optimize workspace and visualization.

Chung Weitlaner Retractors
Designed by Raymond Chung, MD

Prong lengths of 25 mm and 30 mm available with either sharp or blunt tips

PRODUCT NO'S:

2x3 Prongs — Blunt Tips
5065-01 [25 mm]
Blade Depth: 25 mm
Overall Length: 4.5” (11.4 cm)
5066-01 [30 mm]
Blade Depth: 30 mm
Overall Length: 4.5” (11.4 cm)

2x3 Prongs — Sharp Tips
5067-01 [25 mm]
Blade Depth: 25 mm
Overall Length: 4.5” (11.4 cm)
5068-01 [30 mm]
Blade Depth: 30 mm
Overall Length: 4.5” (11.4 cm)

3x4 Prongs
5069-01 [25 mm]
Blade Depth: 25 mm
Overall Length: 4.5” (11.4 cm)
5070-01 [30 mm]
Blade Depth: 30 mm
Overall Length: 4.5” (11.4 cm)

3x2 Prongs
5071-01 [25 mm]
Blade Depth: 25 mm
Overall Length: 4.5” (11.4 cm)
5072-01 [30 mm]
Blade Depth: 30 mm
Overall Length: 4.5” (11.4 cm)

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More exclusively for INNOMED in Switzerland

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WWW.INNOMED.NET
Beard Distal Radius Wide Hohmann Retractor

Designed by David Beard, MD

Designed for distal radius and diaphyseal fracture exposure, the wide blade design helps to protect soft tissues, and the curved handle helps provide improved access and visualization.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Overall Length: 5.375 (13,7 cm)</th>
<th>Blade Width: 1'' (25 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5837-01</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Chung T-Handle Retractors

Designed by Raymond Chung, MD

Designed with a T-handle for easier holding and to help reduce finger and thumb fatigue.

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1159 [Standard Sharp Rake]</td>
</tr>
<tr>
<td>Overall Length: 4.5'' (11,4 cm)</td>
</tr>
<tr>
<td>Blade Width: 9 mm</td>
</tr>
<tr>
<td>Blade Depth: 7 mm</td>
</tr>
<tr>
<td>1161 [Standard Blunt Rake]</td>
</tr>
<tr>
<td>Overall Length: 4.5'' (11,4 cm)</td>
</tr>
<tr>
<td>Blade Width: 6 mm</td>
</tr>
<tr>
<td>Blade Depth: 7 mm</td>
</tr>
<tr>
<td>1162 [Standard Senn]</td>
</tr>
<tr>
<td>Overall Length: 4.5'' (11,4 cm)</td>
</tr>
<tr>
<td>Blade Width: 6 mm</td>
</tr>
<tr>
<td>Blade Depth: 16 mm</td>
</tr>
<tr>
<td>1159-01 [Extended Sharp Rake]</td>
</tr>
<tr>
<td>Overall Length: 5.625'' (14,4 cm)</td>
</tr>
<tr>
<td>Blade Width: 6 mm</td>
</tr>
<tr>
<td>Blade Depth: 7 mm</td>
</tr>
<tr>
<td>1161-01 [Extended Blunt Rake]</td>
</tr>
<tr>
<td>Overall Length: 5.625'' (14,4 cm)</td>
</tr>
<tr>
<td>Blade Width: 6 mm</td>
</tr>
<tr>
<td>Blade Depth: 7 mm</td>
</tr>
<tr>
<td>1162-01 [Extended Senn]</td>
</tr>
<tr>
<td>Overall Length: 5.625'' (14,4 cm)</td>
</tr>
<tr>
<td>Blade Width: 6 mm</td>
</tr>
<tr>
<td>Blade Depth: 16 mm</td>
</tr>
</tbody>
</table>

OrthoLucent™ Mini Hohmann Retractors

Designed by Jeffrey Lawton, MD

Radiolucent, lightweight retractors

The carbon fiber PEEK material is strong, lightweight, completely radiolucent, can be steam sterilized, and helps to prevent from marring component surfaces.

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1594-R [8 mm Blade]</td>
</tr>
<tr>
<td>Overall Length: 6.875'' (17,5 cm)</td>
</tr>
<tr>
<td>Blade Width: 8 mm</td>
</tr>
<tr>
<td>1597-R [16 mm Blade]</td>
</tr>
<tr>
<td>Overall Length: 6.875'' (17,5 cm)</td>
</tr>
<tr>
<td>Blade Width: 16 mm</td>
</tr>
</tbody>
</table>

Beatrice Distal Radius Wide Hohmann Retractor

Designed by David Beard, MD

Designed for distal radius and diaphyseal fracture exposure, the wide blade design helps to protect soft tissues, and the curved handle helps provide improved access and visualization.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Overall Length: 5.375 (13,7 cm)</th>
<th>Blade Width: 1'' (25 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5837-01</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Star Bit Driver Set

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

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>5194-00 [4 Star Bits w/Handle &amp; Case]</td>
</tr>
<tr>
<td>5194-01 [4 Star Bits w/Case only]</td>
</tr>
<tr>
<td>Also sold individually:</td>
</tr>
<tr>
<td>S0113 [Universal 4” (10,2 cm) Handle]</td>
</tr>
<tr>
<td>5194-10 [T10 with A/O End]</td>
</tr>
<tr>
<td>5194-15 [T15 with A/O End]</td>
</tr>
<tr>
<td>5194-20 [T20 with A/O End]</td>
</tr>
<tr>
<td>5194-25 [T25 with A/O End]</td>
</tr>
<tr>
<td>9003 [Case]</td>
</tr>
</tbody>
</table>

Universal Screw Removal Instrument System

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

<table>
<thead>
<tr>
<th>Screw Extractors</th>
<th>Trophines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unique thread design accommodates removal of stripped screws. The instrument “locks” into the screw head and allows removal once engaged. Designed to be used in a counter-clockwise direction.</td>
<td>Designed to fit over submerged screws for extraction with minimal bone loss. Extraction is enhanced by the unique tooth design. Designed to be used in a counter-clockwise direction.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hex Drivers</th>
<th>Cannulated Hex Drivers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid shaft in all standard hex sizes.</td>
<td>Four sizes with a cannulated shaft for easier removal of buried screws.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Universal Extractor</th>
<th>Screwdrivers</th>
<th>Cannulated Drive Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designed to remove screws with heads partially or completely missing. The cone shaped head fully engages the remaining screw and optimizes the force needed for removal. The bolt is disposable and locks into place using a unique thread design. Designed to be used in a counter-clockwise direction.</td>
<td>Standard cruciform screwdrivers in large, small, and mini, and single slot.</td>
<td>Used when a longer instrument shaft is desired.</td>
</tr>
</tbody>
</table>

The drive end (A/O) is designed for easy and quick engagement with the universal instrument handle. The ergonomic, modular handle has two connection points, allowing for both straight and T-handle orientations.

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

Case Dimensions: 21” x 9.5” x 2.25 inches (53,4 x 24,1 x 5,7 cm)
Cheng Screw Removal and Bone Trephine Set
Designed by Edward Cheng, MD

**PRODUCT NO'S:**
1426-00  [Complete Set with Case]
Set Includes/Available Separately:
- 1426-01  [5 mm Internal Diameter]  Overall Length: 7.125" (18.1 cm)
- 1426-02  [6.5 mm Internal Diameter]  Overall Length: 7.125" (18.1 cm)
- 1426-03  [8 mm Internal Diameter]  Overall Length: 7.125" (18.1 cm)
- 1426-05  [9 mm Internal Diameter]  Overall Length: 7.125" (18.1 cm)
- 1426-06  [10 mm Internal Diameter]  Overall Length: 7.125" (18.1 cm)
- 1426-07  [11 mm Internal Diameter]  Overall Length: 7.125" (18.1 cm)
- 1426-04  [Handle Assembly]  Dimensions: 4" x 2" (10.2 cm x 5.1 cm)
5195  [Complete Set with Case]
Also sold individually
- 5195-01  [Handle]  Overall Length: 7.125" (18.1 cm)
- 5195-02  [Straight (single slot)]  Large: 7 x 1.5 mm, Small: 5 x 1 mm
- 5195-03  [Cross/Cruciate]  Large: 7 mm, Small: 6 mm
- 5195-04  [Hex]  Large: 4.5 mm, Small: 3.5 mm
- 5195-05  [Phillips]  Large: 4 mm, Small: 3.5 mm
- 5195-08  [Small Star: #6 & #8]
- 5195-06  [Medium Star: #10 & #15]
- 5195-07  [Large Star: #20 & #25]

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

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

**Six trephine sizes with reverse thread teeth designed to help with removal of screws with minimal bone loss, as well as gathering of core bone samples for biopsy or core decompression**
Can be used with the T-handle or with power.

Universal Screwdriver Set
Helps eliminate the opening of multiple sterile packs when a specific size or style of screwdriver is needed
Helpful during revision total joint surgery where screws have been used, removal of bone plates, fracture fixation screws or bone graft screws.

**PRODUCT NO'S:**
5195  [Complete Set with Case]
[Handle]
[Straight (single slot)]  Large: 7 x 1.5 mm, Small: 5 x 1 mm
[Cross/Cruciate]  Large: 7 mm, Small: 6 mm
[Hex]  Large: 4.5 mm, Small: 3.5 mm
[Phillips]  Large: 4 mm, Small: 3.5 mm
[Small Star: #6 & #8]
[Medium Star: #10 & #15]
[Large Star: #20 & #25]

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

**PRODUCT NO'S:**
8003-00  [Set – One Each]
Set Includes/Available Separately:
- 8003-01  [Torx Bit to Hex Driver Adapter]  Overall Length: 6" (15.4 cm)
- 8003-02  [Hex Bit to Torx Driver Adapter]  Overall Length: 6" (15.4 cm)

New!
LARGER TREPHINE SIZES AVAILABLE!

Six trephine sizes with reverse thread teeth designed to help with removal of screws with minimal bone loss, as well as gathering of core bone samples for biopsy or core decompression.
Can be used with the T-handle or with power.

Torx/Hex Adapter Set
Designed for conversion of a 3.5 mm screwdriver
Especially helpful when an articulated, universal joint driver is needed (i.e. acetabular screws)
Mazzara Rongeur with Small Pistol Grip Handle
Designed by James T. Mazzara, MD
Small pistol grip handle lessens hand fatigue and slippage, and allows for better visualization

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th>Jaw Bite: 2 x 10 mm Overall Length: 9&quot; (22.9 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1765-04</td>
<td>Jaw Bite: 4 x 10 mm Overall Length: 9&quot; (22.9 cm)</td>
</tr>
</tbody>
</table>

Yezerski Small Bone Rongeurs
Designed by John Yezerski, MD
Designed for small bone applications in the hand and foot

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th>Overall Length: 7.125&quot; (18.1 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1789</td>
<td>Jaw Width: 4 mm Jaw Bite Width: 3 mm Jaw Bite Length: 20 mm</td>
</tr>
<tr>
<td>1789-01</td>
<td>Overall Length: 4.5&quot; (11.4 cm) Jaw Bite: 4.6 mm and 13.7 mm</td>
</tr>
</tbody>
</table>

Lawton Screw Extractors
Designed by Jeffrey Lawton, MD
Designed to help extract mini and micro fragment screws; small cannulated screws; or headless screws

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th>Jaw Bite: 2 x 10 mm Overall Length: 9&quot; (22.9 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1765-04</td>
<td>Jaw Bite: 2 x 10 mm Overall Length: 9&quot; (22.9 cm)</td>
</tr>
<tr>
<td>1765-05</td>
<td>Jaw Bite: 4 x 10 mm Overall Length: 9&quot; (22.9 cm)</td>
</tr>
</tbody>
</table>

Lawton Broken Screw Extractor
Designed by Jeffrey Lawton, MD
Designed to help remove broken or stripped screws (1 mm-2 mm)

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>7653-04</td>
</tr>
</tbody>
</table>

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Clear Vision Debris Shield  
**Designed by Richard Mengato, MD**  
*Provides a degree of restriction from flying debris or liquid during surgery*  
Held between the surgical site and the operating personnel, the shield provides a clear undistorted view, while helping to protect the patient and personnel from possible contamination. The reamer-slotted version allows the shield to straddle a reamer shaft or drill bit, allowing the shield to be closer to the incision. The shield is autoclavable and gas sterilizable in a flat position.

**Product NO:**  
1139  
**Overall Length – Contracted:** 7.125" (18,1 cm)  
**Overall Length – Extended:** 9.125" (23,2 cm)  
**Gauge:** 0 to 50 mm

Sweed Dissecting Scissors  
**Designed by Tamer Sweed, FRCS (Orth)**  
*Designed with a blunt, flat bar fixed to the lower limb, the scissors also act as a dissector to protect underlying vital structures*  
**Product NO:**  
3081  
**Overall Length:** 6.625" (16,8 cm)  
**Bottom Pad:** 16 mm x 6 mm  
**Pad Extension Beyond Scissor:** 6 mm

Mengato Depth Gauge  
**Designed by Richard Mengato, MD**  
*Right-handed design with 3 rings gives 3-point grip for ease of holding and manipulation*  
Allows for superior gauge control and manipulation, to advance, engage and maintain the hook on the distal cortex by levering the probe against the bone hole and keeping gentle tension on the hook.

**Product NO:**  
1139  
**Overall Length – Contracted:** 7.125" (18,1 cm)  
**Overall Length – Extended:** 9.125" (23,2 cm)  
**Gauge:** 0 to 50 mm

Depth Gauge  
**Designed to help provide measurement of the depth/length of any bone hole for proper screw length determination**

**Product NO:**  
8015  
**Overall Length:** 7.625" (19,4 cm)  
**Scale:** From 0 to 48 mm
Screw Removal Pliers
Jaw designed to grasp onto a screw or screw head to help in removal

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

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

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

PRODUCT NO: S0142
Overall Length: 8” (20.3 cm)
Jaw Width: 4.5 mm

PRODUCT NO: 2020
Overall Length: 8” (20.3 cm)

PRODUCT NO'S:
8248 [Zimmer Hall Quick-connect]
Overall Length: 5.75” (14.6 cm)
Handle Width: 4.625” (11.7 cm)
8248-01 [Reverse Quick-connect Zimmer Hall]
Overall Length: 5.75” (14.6 cm)
Handle Width: 4.625” (11.7 cm)
8249 [Hudson Quick-connect]
Overall Length: 6.75” (17.1 cm)
Overall Length with Pin In Handle: 11.5” (29.2 cm)

PRODUCT NO:
5517-01
Chuck Size: 1/4” (6.4 mm)
Overall Length: 10.5” (26.7 cm)
Handle Length: 4.5” (11.4 cm)

FREE TRIAL ON MOST INSTRUMENTS
**Side Attachment Bolts**

Allows a Large OrthoVise™ Slap Hammer (#3950) to be attached to the side of the device. Available on Standard Large and Long Nose Large OrthoVise™ with Attachment Bolts only. (Cannot be added on later)

**Made of stainless steel**

- Models equipped with attachment bolts allow a slap hammer to be attached to the end, as well as to either side of the large OrthoVise™ (except Bent Jaw models), for greater adaptability
- Bent Jaw models are not available with side attachment bolts, but have an end attachment nut to accept a Standard Slap Hammer (#3925 or #3926)
- A different size slap hammer is used for the large and small sizes of OrthoVise™
- Slap Hammers are designed with a hammer plate for the additional use of a mallet if desired
**Hannum Tissue Grasper**

*Designed by Scott Hannum, MD*

**Teeth in jaw firmly holds bone and tissue**

Non-locking design can be easily gripped while allowing greater pressure to be applied. Available in three jaw sizes: short jaw for holding bone, medium jaw for smaller bones, and long jaw for tissue.

**Product No’s:**
- **1765-01** [Short Jaw]
  - Jaw Bite: 5 x 14 mm
  - Overall Length: 10” (25.4 cm)

- **1765-02** [Medium Jaw]
  - Jaw Bite: 7 x 16 mm
  - Overall Length: 10” (25.4 cm)

- **1765-03** [Long Jaw]
  - Jaw Bite: 10 x 16 mm
  - Overall Length: 10” (25.4 cm)

**Mazzara Rongeur with Pistol Grip Handle**

*Designed by James T. Mazzara, MD*

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

**Product No’s:**
- **1775-01** [Short Jaw]
  - Jaw Width: 5 mm
  - Overall Length: 9.25” (23.5 cm)

- **1775-02** [Medium Jaw]
  - Jaw Width: 7 mm
  - Overall Length: 9.25” (23.5 cm)

- **1775-03** [Long Jaw]
  - Jaw Width: 10 mm
  - Overall Length: 9.25” (23.5 cm)

**Ortho Rongeur with Easy Grip Handle**

*Designed by James T. Mazzara, MD*

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

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

**Product No’s:**
- **1780-01** [Short Jaw]
  - Jaw Bite: 5 x 14 mm
  - Overall Length: 8.75” (22.2 cm)

- **1780-02** [Medium Jaw]
  - Jaw Bite: 7 x 16 mm
  - Overall Length: 8.75” (22.2 cm)

- **1780-03** [Long Jaw]
  - Jaw Bite: 10 x 16 mm
  - Overall Length: 8.75” (22.2 cm)

**Mazzara Pistol Grip Extra Long Rongeur**

*Designed by James T. Mazzara, MD*

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

**Product No:**
- **1768-02**
  - Jaw Bite: 8 x 16 mm
  - Overall Length: 12.5” (31.8 cm)
  - Shaft-to-End Length: 8” (15.2 cm)
**Orthopedic Needle Holder/Scissors**

Drive a needle and cut a suture without changing instruments

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th>Standard Tips</th>
<th>Tungsten Carbide Tips</th>
</tr>
</thead>
<tbody>
<tr>
<td>3050</td>
<td>5.5&quot; (14 cm)</td>
<td>3055 5.5&quot; (14 cm)</td>
</tr>
<tr>
<td>3060</td>
<td>6.5&quot; (16.5 cm)</td>
<td>3065 6.5&quot; (16.5 cm)</td>
</tr>
<tr>
<td>3070</td>
<td>7.0&quot; (17.8 cm)</td>
<td>3075 7.0&quot; (17.8 cm)</td>
</tr>
</tbody>
</table>

**Longer sizes are helpful in orthopedics**

---

**Bates Needle Holder with Suture Cutter**

By trapping the suture and cutting when the forcep is opened, helps to reduce stress on the surgeon’s hand

- No switching between needle driver and scissors, or need for assistant to cut sutures for you
- Cutting with opening of forceps reduces possibility of damage to surrounding tissues
- Sliding the instrument down to the suture knot allows quick and consistent 2 mm suture tails
- Slip the suture strands into the suture cutting slot and slide the closed instrument along until desired length of tail is achieved, then open the instrument to cut the sutures

PRODUCT NO:

3071

Overall Length: 8.125" (20.6 cm)

Jaw Width: .25" (6.4 mm)

Open Jaw Length: .5" (12.8 mm)

---

**Stanton Needle Driver**

Designed by John L. Stanton, MD, FACS

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

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

PRODUCT NO:

3042

Overall Length: 6.75 (17.1 cm)  

Jaw Width: .25" (6.3 mm)
Flexible Osteotome System

Provides an assortment of osteotome blades for various orthopedic surgery procedures.

**PRODUCT NO'S:**
- S0011-00 [Set with Quick-Coupling Handle and Case]
- S0012-00 [Set with Locking Nut Handle and Case]

**Individual Instruments Included in Sets:**
- S1002 [Thin Osteotome Blade] 2.5” (6.3 cm) x 8 mm
- S1003 [Thin Osteotome Blade] 2.5” (6.3 cm) x 10 mm
- S1004 [Thin Osteotome Blade] 2.5” (6.3 cm) x 12 mm
- S1005 [Thin Osteotome Blade] 2.5” (6.3 cm) x 20 mm
- S1006 [Curved Thin Osteotome Blade] 2.5” (6.3 cm) x 12 mm
- S1007 [Curved Thin Osteotome Blade] 5” (12.7 cm) x 20 mm
- S1008 [Thin Osteotome Blade] 5” (12.7 cm) x 10 mm
- S1009 [Thin Osteotome Blade] 5” (12.7 cm) x 8 mm
- S1020 [Handle with Quick-Coupling End] 5” (12.7 cm)
- S1021 [Handle with Locking Nut] 5” (12.7 cm)
- S1133 [Radial Osteotome] 5” (12.7 cm) x 10 mm
- S1120 [Radial Osteotome] 5” (12.7 cm) x 12 mm
- S1134 [Radial Osteotome] 5” (12.7 cm) x 14 mm
- S1121 [Radial Osteotome] 5” (12.7 cm) x 16 mm
- S1122 [Radial Osteotome] 5” (12.7 cm) x 20 mm
- S2007 [Slap Hammer] 12” (30.5 cm)

**Optional Parts and Blades**
- S1020-SP [Strike Plate for Handle] Diameter 1.625” (4.1 cm)
- S1123 [Extra Long Osteotome Blade] 7.5” (19.1 cm) x 8 mm
- S1135 [Radial Osteotome, Medial Curve] 6.75” (17.1 cm) x 11 mm
- S1136 [Radial Osteotome, Lateral Curve] 6.75” (17.1 cm) x 11 mm
- S1137 [Radial Osteotome, Medial Curve] 5” (12.7 cm) x 11 mm
- S1138 [Radial Osteotome, Lateral Curve] 5” (12.7 cm) x 11 mm
- S1222 [Chisel Blade] 2.5” (6.4 cm) x 8 mm
- S1223 [Chisel Blade] 2.5” (6.4 cm) x 10 mm
- S1224 [Chisel Blade] 2.5” (6.4 cm) x 12 mm
- S1225 [Chisel Blade] 2.5” (6.4 cm) x 20 mm
- S1228 [Chisel Blade] 5” (12.7 cm) x 10 mm
- S1229 [Chisel Blade] 5” (12.7 cm) x 8 mm
- S1230 [Chisel Blade] 5” (12.7 cm) x 12 mm
- S1232 [Extra Long Chisel Blade] 7.5” (19.1 cm) x 8 mm
- S1233-L [Flexible Left Curved Chisel] 2” (5.1 cm) x 8 mm
- S1233-R [Flexible Right Curved Chisel] 2” (5.1 cm) x 8 mm

**Optional Curved Chisel Blades**
- S1228 [Chisel Blade] 5” (12.7 cm) x 10 mm
- S1229 [Chisel Blade] 5” (12.7 cm) x 8 mm
- S1230 [Chisel Blade] 5” (12.7 cm) x 12 mm
- S1232 [Extra Long Chisel Blade] 7.5” (19.1 cm) x 8 mm
- S1233-L [Flexible Left Curved Chisel] 2” (5.1 cm) x 8 mm
- S1233-R [Flexible Right Curved Chisel] 2” (5.1 cm) x 8 mm

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

**Optional Strike Plate** can be attached to the Handle for direct striking with a mallet.

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

**PRODUCT NO'S:**
- S0011-00 [Set with Quick-Coupling Handle and Case]
- S0012-00 [Set with Locking Nut Handle and Case]
- S1002 [Thin Osteotome Blade] 2.5” (6.3 cm) x 8 mm
- S1003 [Thin Osteotome Blade] 2.5” (6.3 cm) x 10 mm
- S1004 [Thin Osteotome Blade] 2.5” (6.3 cm) x 12 mm
- S1005 [Thin Osteotome Blade] 2.5” (6.3 cm) x 20 mm
- S1006 [Curved Thin Osteotome Blade] 2.5” (6.3 cm) x 12 mm
- S1007 [Curved Thin Osteotome Blade] 5” (12.7 cm) x 20 mm
- S1008 [Thin Osteotome Blade] 5” (12.7 cm) x 10 mm
- S1009 [Thin Osteotome Blade] 5” (12.7 cm) x 8 mm
- S1020 [Handle with Quick-Coupling End] 5” (12.7 cm)
- S1021 [Handle with Locking Nut] 5” (12.7 cm)
- S1133 [Radial Osteotome] 5” (12.7 cm) x 10 mm
- S1120 [Radial Osteotome] 5” (12.7 cm) x 12 mm
- S1134 [Radial Osteotome] 5” (12.7 cm) x 14 mm
- S1121 [Radial Osteotome] 5” (12.7 cm) x 16 mm
- S1122 [Radial Osteotome] 5” (12.7 cm) x 20 mm
- S2007 [Slap Hammer] 12” (30.5 cm)

**Optional Parts and Blades**
- S1020-SP [Strike Plate for Handle] Diameter 1.625” (4.1 cm)
- S1123 [Extra Long Osteotome Blade] 7.5” (19.1 cm) x 8 mm
- S1135 [Radial Osteotome, Medial Curve] 6.75” (17.1 cm) x 11 mm
- S1136 [Radial Osteotome, Lateral Curve] 6.75” (17.1 cm) x 11 mm
- S1137 [Radial Osteotome, Medial Curve] 5” (12.7 cm) x 11 mm
- S1138 [Radial Osteotome, Lateral Curve] 5” (12.7 cm) x 11 mm
- S1222 [Chisel Blade] 2.5” (6.4 cm) x 8 mm
- S1223 [Chisel Blade] 2.5” (6.4 cm) x 10 mm
- S1224 [Chisel Blade] 2.5” (6.4 cm) x 12 mm
- S1225 [Chisel Blade] 2.5” (6.4 cm) x 20 mm
- S1228 [Chisel Blade] 5” (12.7 cm) x 10 mm
- S1229 [Chisel Blade] 5” (12.7 cm) x 8 mm
- S1230 [Chisel Blade] 5” (12.7 cm) x 12 mm
- S1232 [Extra Long Chisel Blade] 7.5” (19.1 cm) x 8 mm
- S1233-L [Flexible Left Curved Chisel] 2” (5.1 cm) x 8 mm
- S1233-R [Flexible Right Curved Chisel] 2” (5.1 cm) x 8 mm

**Curved Blades**
- Curved chisel design allows working around component pegs, fins, etc.
- Bevel side away from component

**Strike Plate for Handle**

**Medial Curve Radial Blade**

**Lateral Curve Radial Blade**

**Extra Long 7.5” Osteotome Blade**

**Medial Curve Radial Blades**

**Lateral Curve Radial Blades**

**Extra Long 7.5” Chisel Blade**

**1.5” Curved Chisel Blades**

**Curved Chisel Blades**

**Extra Long 7.5” Chisel Blade**

**5” Chisel Blades**

**2.5” Chisel Blades**

**2.5” Thin Blades**

**2.5” Radial Blades**

**5” Thin Blades**

**5” Radial Blades**

**9018 [Case]**

**WWW.INNOMED.NET**

**FREE TRIAL ON MOST INSTRUMENTS**
Modified Lambotte Osteotomes

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

Six (6) sizes available, from 1/4" to 1-1/2" in 1/4" increments. Cross-bar and case included in complete set. Two smallest sizes have an 1/8" hole in which an 1/8" pin can be used as a cross bar (not included).

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>5350-00 [Set w/Case]</td>
<td>5350-25 [1/4&quot; (6 mm)] Overall Length: 9&quot; (22.9 cm) Osteotome Width: .25&quot; (6.35 mm)</td>
<td>5350-100 [1&quot; (25 mm)] Overall Length: 9&quot; (22.9 cm) Osteotome Width: 1&quot; (25.4 mm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5350-50 [1/2&quot; (13 mm)] Overall Length: 9&quot; (22.9 cm) Osteotome Width: .5&quot; (12.7 mm)</td>
<td>5350-125 [1-1/4&quot; (32 mm)] Overall Length: 9&quot; (22.9 cm) Osteotome Width: 1.25&quot; (31.75 mm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5350-75 [3/4&quot; (19 mm)] Overall Length: 9&quot; (22.9 cm) Osteotome Width: .75&quot; (19 mm)</td>
<td>5350-150 [1-1/2&quot; (38 mm)] Overall Length: 9&quot; (22.9 cm) Osteotome Width: 1.5&quot; (38.1 mm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5350-CB [Cross Bar]</td>
<td>5350-CASE [Case]</td>
<td></td>
</tr>
</tbody>
</table>

Mini-lexer Osteotomes

Helpful in osteophyte and cement removal

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5270-01 Blade Width: 4 mm Overall Length: 7.25&quot; (18.4 cm) Handle Length: 4&quot; (10.2 cm)</td>
<td>5270-03 Blade Width: 10 mm Overall Length: 7.25&quot; (18.4 cm) Handle Length: 4&quot; (10.2 cm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5270-02 Blade Width: 6 mm Overall Length: 7.25&quot; (18.4 cm) Handle Length: 4&quot; (10.2 cm)</td>
<td>5270-04 Blade Width: 12 mm Overall Length: 7.25&quot; (18.4 cm) Handle Length: 4&quot; (10.2 cm)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Wagner Osteotome Handle

Designed by Russell Wagner, MD

Handle is designed for easier gripping, rotational control, and use with a mallet with a standard 1/4" Lambotte osteotome

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5348 [Handle Only] Overall Length: 5.5&quot; (14 cm)</td>
<td>5348-01 [1/4&quot; Osteotome Only] Overall Length: 8.875&quot; (22.5 cm)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ring Curettes

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5150 [3 mm, Straight] Ring Diameter: 3 mm</td>
<td>5152 [6 mm, Straight] Ring Diameter: 6 mm</td>
<td>5154 [8 mm, Straight] Ring Diameter: 8 mm</td>
<td></td>
</tr>
<tr>
<td>5156 [3 mm, Bent] Ring Diameter: 3 mm</td>
<td>5157 [6 mm, Bent] Ring Diameter: 6 mm</td>
<td>5158 [8 mm, Bent] Ring Diameter: 8 mm</td>
<td></td>
</tr>
</tbody>
</table>

Small, thin osteotomes helpful in osteophyte and cement removal in total joint surgery. Larger handle helps with better control.
Charnley Type Tissue Needle Forceps
Designed by Amal Das Jr., MD
Helpful for wound closure in deep areas with fascia under tension such as hip or knee replacement
Can also help retrieve a needle in a tight area.

PRODUCT NO: 1165
Overall Length: 6.875" (17.5 cm)

Adson Forceps with Cobb Elevator End
Designed by Oscar Castro-Aragon, MD
Has the advantages of having a Cobb tip at the end of an Adson forceps
Allows the opportunity to do soft tissue dissection, cleaning of the bone or bone fragments in a fracture, push bone fragments to hold a reduction in a fracture, separate soft tissue, and turn it around to pick up tissue without having to switch instruments back and forth.

PRODUCT NO: 1166
Overall Length: 4.75" (12.1 cm)
Tip Width: 2.4 mm (2.4 mm)

Rudisill Locking Small Bone Reduction Forcep
Designed by Ed Rudisill, MD
For reduction of hand phalanx and metacarpal fractures

PRODUCT NO: 2017
Overall Length: 4.875" (12.4 cm)

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

PRODUCT NO: 5040
Overall Length: 10" (25.4 cm)
The forceps are designed with grasping ends for delivery of bone graft. When the graft is in place, the forceps are closed, which forms the ends into an impacting punch. A striking platform is attached to the end of the forceps for tapping and tamping the graft. Four end diameters are available in two lengths.

- **Short: 6” (15.2 cm) Length**
  - 5010-01: 1/8” (3.2 mm) Diameter End
  - 5010-02: 3/16” (4.8 mm) Diameter End
  - 5010-03: 1/4” (6.3 mm) Diameter End
  - 5010-04: 5/16” (8 mm) Diameter End

- **Long: 10” (25.4 cm) Length**
  - 5050-01: 1/8” (3.2 mm) Diameter End
  - 5050-02: 3/16” (4.8 mm) Diameter End
  - 5050-03: 1/4” (6.3 mm) Diameter End
  - 5050-04: 5/16” (8 mm) Diameter End

**Modular Impactor Set**

*Makes multiple impactor heads easily visible and available*

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

**Ortho Impactors**

**Incision Aligner**

*Designed to align an incision during closing*

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

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

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

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

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

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

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

---

**Lighted Yankaur Suction Device**
Designed by Adolph Y. Lombardi Jr., MD

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

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

**PRODUCT NO:** 8016-L-01
- Overall Length: 11.75" (29.8 cm)
- Handle Length: 3.93" (10 cm)
- Handle Width: 0.86" (2.2 cm)
- Suction Tube Diameter: 0.25" (6.35 mm)

**Lighted Yankaur Suction Device**

**PRODUCT NO**
- 8010-01 [Disposable LED Light Source]
  - Overall Length: 2.5" (6.4 cm)
  - Diameter: 1" (2.54 cm)

**PRODUCT NO'S:**
- PACKAGE OF 1:
  - 7510-01 7.0
  - 7515-01 7.5
  - 7520-01 8.0
  - 7525-01 8.5
  - 7530-01 9.0
- PACKAGE OF 25:
  - 7510-02 7.0
  - 7515-02 7.5
  - 7520-02 8.0
  - 7525-02 8.5
  - 7530-02 9.0

---

**Ortho Suction Tube**
Designed by T. Eickmann, MD

Very effective for suction and minor retracting

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

**PRODUCT NO:** 5465
- Overall Length: 9.25" (23.5 cm)
- End Hole Dia.: 1 mm
- Side Hole Dia.: 1.5 mm

---

**Beicker Curette Suction Device**
Designed by Clint Beicker, MD

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

Also useful for arthroscopic curettage of osteochondral lesions.

**PRODUCT NO:** 4231
- Overall Length: 10.5" (26.7 cm)
- Curette Cup: 7.5 mm x 5.5 mm

---

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

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

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

---

**Radiation Attenuating Surgical Gloves**

- Suitable for reducing harmful radiation exposure during any procedure requiring the use of fluoroscopy.
- Powder-free gloves provide increased protection from direct x-ray beam and scattered radiation.
- Reduced Exposure
- Lead-free, surgical gloves attenuate direct or scattered rays and are an environmentally friendly alternative to leaded gloves.
- Freedom of Movement
- Gloves are very thin—ONLY 0.007" THICK—to allow the greatest possible flexibility, dexterity, and sensitivity of touch while decreasing finger fatigue.
- Natural Latex Free & Powder-Free
- Reduced risk of natural rubber latex allergies.
- Quality Guaranteed
- All gloves are 100% tested for pin holes and leaks.
- Applications
- Fluoroscopy, Orthopedics, Radiosotope Handling, Cardiology, Radiology, Dental, Nuclear Medicine

---

**Ortho Suction Tube**

- Designed by T. Eickmann, MD
- Very effective for suction and minor retracting
- Helps eliminate plugging due to bone, cement fragments, blood clots, etc.

**PRODUCT NO:** 5465
- Overall Length: 9.25" (23.5 cm)
- End Hole Dia.: 1 mm
- Side Hole Dia.: 1.5 mm

---

**Beicker Curette Suction Device**

- Designed by Clint Beicker, MD
- Designed to help visualization of a fracture site within a fracture hematoma
- Also useful for arthroscopic curettage of osteochondral lesions.

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

---

**Lighted Yankaur Suction Device**

- Designed by Adolph Y. Lombardi Jr., MD
- Designed to help provide effective suction with the addition of a light source for enhanced visualization
- Comes with one (1) Disposable LED Light Source (#8010-01)
- Can also be attached to a fiber optic light cable with ACMI (female) connector
- Entire device is steam sterilizable

**PRODUCT NO:** 8016-L-01
- Overall Length: 11.75" (29.8 cm)
- Handle Length: 3.93" (10 cm)
- Handle Width: 0.86" (2.2 cm)
- Suction Tube Diameter: 0.25" (6.35 mm)
Gelbe Cobb Elevator with Suction
Designed by Martin K. Gelbke, MD

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

<table>
<thead>
<tr>
<th>PRODUCT NO: 3433</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length: 12.75&quot; (32.4 cm)</td>
</tr>
<tr>
<td>Cobb End Width: 18 mm (.7&quot;)</td>
</tr>
<tr>
<td>Shaft plus Head Length: 5.5&quot; (15 cm)</td>
</tr>
</tbody>
</table>

Cobb Elevators
Two Sizes Available With or Without Teeth
Ultra hard titanium nitride coating helps to extend blade life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion.

| PRODUCT NO’S: WITH TEETH WITHOUT TEETH |
|------------------|------------------|
| 3432 [1/2" with Teeth] | 3436 [1/2" without Teeth] |
| Overall Length: 11" (27.9 cm) | Overall Length: 11" (27.9 cm) |
| Blade Width: 1/2" (13 mm) | Blade Width: 1/2" (13 mm) |
| 3434 [1" with Teeth] | 3438 [1" without Teeth] |
| Overall Length: 11" (27.9 cm) | Overall Length: 11" (27.9 cm) |
| Blade Width: 1" (25.4 mm) | Blade Width: 1" (25.4 mm) |

Bradley Periosteal Elevator
Designed by Gary W. Bradley, MD

Available with or without teeth

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4719 [1/2&quot;]</td>
</tr>
<tr>
<td>Overall Length: 11&quot; (27.9 cm)</td>
</tr>
<tr>
<td>Blade Width: .5&quot; (13 mm)</td>
</tr>
<tr>
<td>4720 [3/4&quot;]</td>
</tr>
<tr>
<td>Overall Length: 11&quot; (27.9 cm)</td>
</tr>
<tr>
<td>Blade Width: .75&quot; (19 mm)</td>
</tr>
</tbody>
</table>

Periosteal Elevator
Designed for better control

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

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3450 [Curved]</td>
</tr>
<tr>
<td>Overall Length: 7.3&quot; (19.1 cm)</td>
</tr>
<tr>
<td>Handle Length: 4.5&quot; (11.4 cm)</td>
</tr>
<tr>
<td>Blade Size: 16 x 13 mm</td>
</tr>
<tr>
<td>3455 [Straight]</td>
</tr>
<tr>
<td>Overall Length: 7.75&quot; (19.7 cm)</td>
</tr>
<tr>
<td>Handle Length: 4.5&quot; (11.4 cm)</td>
</tr>
<tr>
<td>Blade Size: 19 x 14 mm</td>
</tr>
</tbody>
</table>
Comfortable grip helps prevent the surgeon’s gloved hand from slipping and helps maintain a solid grip.

**Easy Grip**

**Textured Soft Silicone Handles**

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

The mallet with delrin head features a replaceable delrin head.

**Ortho Mallets**

**with Easy Grip Handles**

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

**Jones Mallet**

**Designed by Dickie Jones, MD**

**Unique hand fitting shape provides superior gripping strength**

This striking instrument has a unique hand fitting shape that provides superior gripping strength for accurate light to heavy impaction.

**Aluminum Tapered Maul/Mallet**

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

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0007 [Jackson Traction Device]</td>
</tr>
<tr>
<td>This product number includes (1) #0008 Disposable Sterile Kit</td>
</tr>
<tr>
<td>Sold Separately:</td>
</tr>
<tr>
<td>0008 [Disposable Sterile Kit]</td>
</tr>
<tr>
<td>Kit Includes: (1) Impervious Stockinette and (1) 11 ft. Traction rope</td>
</tr>
<tr>
<td>0008-CASE [Case of Disposable Sterile Kits] Pkg of 10</td>
</tr>
</tbody>
</table>

By twisting the dial, the device can be raised, lowered or rotated as needed.

Mounts to the base of the OR table.

**Fromm Femur & Tibia Triangles**

Used for femur and tibia positioning during nailing, repairs and fractures

Designed by S.E. Fromm, MD *
Extra Small Triangle designed by S.E. Fromm, MD & Kenneth Merriman, MD

Designed to position and hold the femur and tibia during intramedullary nailing of the tibia, ligament repairs and extremity fractures. Allows knee to be flexed greater than 90° to allow reaming and nail insertion without displacing fracture. The triangles are available in four heights: 8.5", 11", 14", and 16". The three smaller triangles are designed to fit inside the larger triangle for storage. They are supplied with an autoclavable silicone cushioning pad and velcro* straps. The triangles are also radiolucent and gas or steam sterilizable.

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2760-00 [Set of 3] Angles: Top 30°, Two Bottom 75°</td>
</tr>
<tr>
<td>2760-01 [11&quot;] Base: 6&quot; (15.2 cm), Height: 11&quot; (27.9 cm)</td>
</tr>
<tr>
<td>2760-02 [14&quot;] Base: 7&quot; (17.8 cm), Height: 14&quot; (35.6 cm)</td>
</tr>
<tr>
<td>2760-03 [16&quot;] Base: 9&quot; (22.9 cm), Height: 16&quot; (40.7 cm)</td>
</tr>
<tr>
<td>Sold Separately – Not In Set:</td>
</tr>
<tr>
<td>2760-XS [8.5&quot;] Base 5&quot; (12.7 cm), Height: 8.5&quot; (21.6 cm)</td>
</tr>
</tbody>
</table>

Replacement Parts:

| 2760-P [Silicone Pad] |
| 2760-S [Straps] Package of 18 |
| 8120-SP [Straps for XS] Package of 10 |

*Telco® is a registered trademark of the Telco Companies.
Distal Humerus Fracture Board

Designed by Burk Young, MD

Designed for the pinning of pediatric supracondylar and adult distal humerus fractures

Allows the surgeon to pin these fractures without having to manually hold the fracture reduced, allowing the surgeon to focus on accurate pin placement and reduction. The height of the crossbar is fully adjustable to accommodate different size patients. Reduction is achieved by an assistant gently applying axial traction through the forearm, with the crossbar applying the counter traction. Pinning is done with the C-arm in the lateral position. An optional separate attachment to support the arm for distal humerus fractures in adults is available. Unit not sterilizable.

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>2445-00</th>
<th>[Fracture Board – Pediatric]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual/Replacement Parts:</td>
<td></td>
</tr>
<tr>
<td>2445-01</td>
<td>[Fracture Board – With Adult Adapter]</td>
</tr>
<tr>
<td>Overall Length: 22” (56 cm)</td>
<td>Overall Height: 7.5” (19.1 cm)</td>
</tr>
<tr>
<td>Arm Holder Dimensions: 14.5” x 4” (36.9 x 10.2 cm)</td>
<td>Crossbar Height Adjusts From: 4.5” to 7.5” (11.4 cm x 19.1 cm)</td>
</tr>
</tbody>
</table>

Optional/Replacement Part: 2445-06 [Adult Adapter]
Sanders Extremity Positioning Tubes
Designed by Richard A. Sanders, MD

Designed to support the knee and ankle during lower extremity surgery
The 6” tube lifts the knee off the operating table and allows for approximately 30° of knee flexion. Very useful for closure of total knee incisions, supporting fractures of the distal femur, and tibia plateau fractures. The 4” tube elevates the foot and ankle for ankle fracture surgery. The tubes are made of aluminum, allowing them to be autoclaved. They help eliminate the need for rolled sheet bolsters.

PRODUCT NO’S:
2740-01 [Small]  Diameter: 4” (10.2 cm)  Width: 5” (12.7 cm)
2740-02 [Large]  Diameter: 6” (15.2 cm)  Width: 8” (20.3 cm)

PRODUCT NO’S:
2770-00 [Set]  Includes Positioner, Pad, and Two Short Straps

Individual / Replacement Parts
2770-01 [Positioner]
Overall Length (Folded): 20” (51 cm)
Overall Length (Flat): 54.75” (139 cm)
Maximum Triangle Height: 14” (35.6 cm)
Width: 5.5” (14 cm)
Thickness (Folded): 1.8” (4.6 cm)
Thickness (Flat): .75” (1.9 cm)

2770-P [Silicone Pad]
Dimensions: 12” x 5.5” (30.5 cm x 14 cm)

2590-S [Short Straps] Pkg of 10

Adjustable Knee & Tibial Positioner
Designed by Ashutosh Chaudhari, MD

Adjustable design allows for use in procedures around the knee such as tibial nailing, tibial condyle plating, patella fracture fixation, supracondylar fracture plating, supracondylar fracture nailing, and total knee replacement
Radiolucent. Steam sterilizable.

PRODUCT NO’S:
2770-00 [Set]  Includes Positioner, Pad, and Two Short Straps

Individual / Replacement Parts
2770-01 [Positioner]
Overall Length (Folded): 20” (51 cm)
Overall Length (Flat): 54.75” (139 cm)
Maximum Triangle Height: 14” (35.6 cm)
Width: 5.5” (14 cm)
Thickness (Folded): 1.8” (4.6 cm)
Thickness (Flat): .75” (1.9 cm)

2770-P [Silicone Pad]
Dimensions: 12” x 5.5” (30.5 cm x 14 cm)

2590-S [Short Straps] Pkg of 10

Lower Extremity Leg Positioner
Designed by Ronald Romanelli, MD

Designed to lift the knee for lower extremity casting applications
Also well suited for use with ankle fractures. Supplied with one autoclavable silicone pad. Positioner is radiolucent and gas or steam sterilizable.

PRODUCT NO’S:
2745
Dimensions: 5.5” H x 9.5” L x 9.25” W
(12,7 cm x 24,1 cm x 23,5 cm)

Replacement Parts:
2760-P [Silicone Pad]

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.
Ratcheting Reduction Clamp Kit

Designed by Michael Craig, OP-C

Designed as a soft tissue sparing fracture reduction clamp

PRODUCT NO'S:

3840-00  [Clamp Kit]

Also available individually:

3840-02  [Plate Point]
  Overall Length: 1" (2.54 cm)

3840-03  [Screw Point]
  Overall Length: .875" (2.2 cm)

3840-04  [Percutaneous Point]
  2 included in set, one with this product number
  Overall Length: 1" (2.54 cm)

3840-MA  [Ratcheting Reduction Mobile Arm with Ratchet Knob]
  Overall Length: 6.5" (16.5 cm)

3840-SA  [Ratcheting Reduction Stationary Arm]
  Overall Length: 10.5" (26.7 cm)
  Width: 9" (22.9 cm)
  Height: 6" (15.2 cm)

- High torque can help provide bone and joint reduction without squeezing surrounding tissues
- Swivel points are placed on the bone, plate, or screw and the ratcheting dial is turned to the desired torque, allowing hands free operation
- Swivel point design allows the clamp to be easily moved from x-ray view without losing reduction
- Screw Point fits into a screw head
- Plate Point fits into a 3.5 mm plate hole