Trauma
INSTRUMENTS

MAY 2012

1.800.548.2362
WWW.INNOMED.NET
Fromm Femur & Tibia Triangles
Designed by S.E. Fromm, MD
Extra Small Triangle designed by S.E. Fromm, MD & Kenneth Merriman, MD
Used for femur and tibia positioning during nailing, repairs and fractures
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.

Cherf Cast Stand
Designed by John Cherf, MD
Assists in applying short leg casts
Designed to assist in applying short leg casts, the adjustable height permits optimal leg position for the seated patient and helps insure the application of a cast with the foot/ankle at 90 degrees to the leg. The foot is placed on the tongue of the stand. Stockinette is pulled over the foot and tongue. Cast padding and plaster/fiberglass is used in a routine fashion. The cast stand is slipped forward disengaging the foot after the cast has hardened.
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:
2445 [Fracture Board – Pediatric]
Main Board Dimensions: 22” x 12”
Crossbar Height Adjusts From: 4.5” to 7.5”
2445-01 [Fracture Board w/Adult Adapter]

Lower Extremity Leg Positioner
Designed by Ronald Romanelli, MD

Designed to lift the knee for lower extremity casting applications

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
Replacement Parts:
2760-P [Silicone Pad]

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] 2740-02 [Large]
Diameter: 4” Diameter: 6”
Width: 8” Width: 8”
**Fracture Alignment Device**  
*Designed by R. Audell, MD*

**Used to align the bone ends of a femur fracture**

Allows the passing of a guide wire across the fracture site. After the proximal portion of the femur is reamed over a guide wire, the Fracture Alignment Device is inserted and used to help align the bone ends. A guide wire can then be passed through the Fracture Alignment Device and across the fracture site. The Fracture Alignment Device is then removed leaving the guide wire across the fracture site.

**PRODUCT NO:** 8310  
**MADE IN USA**

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**Wubben Guide Rod Pusher**  
*Designed by Robert Wubben, MD*

**Used to help hold the guide rod in place during intramedullary nailing of a long bone**

The surgeon can initially use the concave end of the handle to hold the guide rod in place. As the reamer is retracted to the end of the guide rod, the shaft of the Pusher is used by inserting down the center hole of the drill, pushing on the guide and keeping it in the bone.

**PRODUCT NO:** 5985  
**MADE IN USA**

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**Offset Punches**  
*Helps in the removal of intramedullary nails*

Used to help remove an intramedullary nail via a window in the shaft of a bone. Two sizes of offsets allow the punches to be used to tap on a distal portion of the nail, after a window has been made in the bone below the tip of the nail.

**PRODUCT NO’S:**
- **5125-02** [Large Offset]  
  Overall Length: 11"  
  Punch End Offset: 32mm  
  Punch End Diameter: 7mm
- **5125-01** [Small Offset]  
  Overall Length: 11"  
  Punch End Offset: 13mm  
  Punch End Diameter: 7mm
Bone Hooks
Designed for proximal femoral elevation in total hip replacement or in other surgery with a similar need for bone manipulation. The instrument has a blunt tip and a large handle to accommodate the use of two hands if desired.

Designed by R.L. Wixson, MD

PRODUCT NO'S:

<table>
<thead>
<tr>
<th>Small</th>
<th>Medium</th>
<th>Large</th>
</tr>
</thead>
<tbody>
<tr>
<td>5910</td>
<td>5915</td>
<td>5920</td>
</tr>
<tr>
<td>Curve Diameter: 25mm</td>
<td>Curve Diameter: 35mm</td>
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<tr>
<td>Overall Length: 10&quot;</td>
<td>Overall Length: 10&quot;</td>
<td>Overall Length: 10&quot;</td>
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<tr>
<td>Handle Length: 4.75&quot;</td>
<td>Handle Length: 4.75&quot;</td>
<td>Handle Length: 4.75&quot;</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Large w/ Cable/Wire Hole</th>
<th>5920-01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designed by: R.L. Wixson, MD &amp; J. McCarthy, MD</td>
<td>Cable/Wire Hole Diameter: 2mm</td>
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<tr>
<td>Curve Diameter: 50mm</td>
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<tr>
<td>Overall Length: 12.75&quot;</td>
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</tr>
<tr>
<td>Handle Length: 4.75&quot;</td>
<td>Handle Length: 4.75&quot;</td>
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</tbody>
</table>

Lombardi Bone Hooks
Designed by Adolph V. Lombardi, MD

PRODUCT NO'S:

<table>
<thead>
<tr>
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<th>Medium</th>
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<td>5930</td>
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<td>Curve Diameter: 25mm</td>
<td>Curve Diameter: 35mm</td>
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<tr>
<td>Overall Length: 10&quot;</td>
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</tr>
</tbody>
</table>

MADE IN USA

TRAUMA INSTRUMENTS I 1.800.548.2362 I FREE TRIAL ON MOST INSTRUMENTS
**Protect your hands!**

**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, Radiotope Handling, Cardiology, Radiology, Dental, Nuclear Medicine

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

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

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

<table>
<thead>
<tr>
<th>Beam Quality</th>
<th>Aluminum Half Value Layer</th>
<th>Measured Attenuation</th>
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</thead>
<tbody>
<tr>
<td>60 kVp</td>
<td>HVL = 2.3mm</td>
<td>58.7%</td>
</tr>
<tr>
<td>80 kVp</td>
<td>HVL = 3.3mm</td>
<td>49.9%</td>
</tr>
<tr>
<td>100 kVp</td>
<td>HVL = 4.3mm</td>
<td>44.6%</td>
</tr>
<tr>
<td>120 kVp</td>
<td>HVL = 5.6mm</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: 2.5mm Al

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**Radiopaque Goniometers**

- **Designed for Angle Determination**
  Transparent to x-ray—only white radiopaque markings show for easy reading. Used to check for X-ray distortion.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th>5 PAIRS/PACK</th>
<th>25 PAIRS/PACK</th>
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</thead>
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<tr>
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<td>7505-01 6.5</td>
<td>7505-02 6.5</td>
</tr>
<tr>
<td>2005</td>
<td>7510-01 7.0</td>
<td>7510-02 7.0</td>
</tr>
<tr>
<td>2010</td>
<td>7515-01 7.5</td>
<td>7515-02 7.5</td>
</tr>
<tr>
<td>2015</td>
<td>7520-01 8.0</td>
<td>7520-02 8.0</td>
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<tr>
<td></td>
<td>7525-01 8.5</td>
<td>7525-02 8.5</td>
</tr>
<tr>
<td></td>
<td>7530-01 9.0</td>
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</table>

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**Radiation Attenuating Surgical Gloves**

- **Reduction of harmful radiation exposure during any procedure requiring the use of fluoroscopy**
  Suitable for reducing patient (and technologist) embarrassment or discomfort when it is required to be positioned in a sensitive area such as the inner thigh.

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

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**Intramedullary Nail Extractor**

*Designed by Gary L. Kerns, RT(R)*

*Helps remove broken intramedullary nails from long bone*

Designed to remove broken intramedullary nails from long bone. It will also remove IM nails with stripped threads, or threads that are difficult to access. It will remove both fluted or non-fluted nails as long as they are cannulated. Removal bits should be discarded after each use.

- **PRODUCT NO:** 8730  [Complete Set]
- **Replacement Parts:**
  - 8730-01  3/8” Diameter Removal Bit
  - 8730-02  1/2” Diameter Removal Bit

**Procedure: Removing A Broken Intramedullary Nail**

**Step One**

Expose the greater trochanter and insert the larger extraction bit under fluoroscopy. Turn the T-handle counterclockwise until the extraction bit is firmly seated within the IM Nail. If the proximal screw or screws do not allow good purchase on the IM Nail, remove them before tightening.

**Step Two**

Once the bit is firmly in place, remove the proximal screws if this has not already been done.

**Step Three**

While holding the T-handle with one hand, take the sliding slap hammer with the other hand and strike the welded stopper plate. It may be necessary to strike the stopper plate several times for complete removal. It is important to maintain continuous counter-clockwise torque on the T-handle until the nail is removed.

**Step Four**

After removal of the broken portion of the nail, it may be helpful to ream the femoral shaft. This will ensure the fragments and debris will not inhibit the removal of the distal broken portion of nail.

**Step Five**

Manipulate the screwdriver handle, extension rod and smaller extraction bit through the femoral shaft. Under fluoroscopy, guide the extraction bit into the hollow broken nail. Turn the screwdriver handle counter-clockwise until the bit is seated firmly in place. Remove the distal screws.

**Step Six**

While maintaining continuous counter-clockwise torque on the screwdriver, pull back to remove the distal portion of the nail. If the nail does not come out easily, remove the screwdriver handle from the extension rod and attach the T-handled slap hammer. Repeat step three.

**Kodros Radiolucent Awl**

*Designed by S. Kodros, MD*

*Helps locate holes in interlocking nails*

Used with an image intensifier to locate holes in interlocking nails. Designed to help keep the surgeon’s hands outside the image intensifier’s rays, it is fully autoclavable.

**PRODUCT NO:** 8030-02  4.2mm diameter

**Complete Set in Case:** 22” x 8” x 3.5”

**Set Includes:**
1. Handle, Shaft and Stop Unit
2. Slide Hammer
3. 3/8” Bits
4. 5/8” Bits
5. Extension Rod
6. Wrenches
7. Extension Rod Handle
8. Case

**MADE IN USA**

DISCONTINUED
Ortho Mallets
with Easy Grip Handles

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

Product NO's:

<table>
<thead>
<tr>
<th>Product NO</th>
<th>Description</th>
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<th>Handle Length</th>
<th>Head Width</th>
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<tbody>
<tr>
<td>7820</td>
<td>[2 lb. Standard]</td>
<td>10.5&quot;</td>
<td>5&quot;</td>
<td>3.5&quot;</td>
<td>1.375&quot;</td>
</tr>
<tr>
<td>7821</td>
<td>[2 lb. with Delrin End]</td>
<td>10.5&quot;</td>
<td>5&quot;</td>
<td>3.5&quot;</td>
<td>1.375&quot;</td>
</tr>
<tr>
<td>7827</td>
<td>[3 lb. Standard]</td>
<td>11&quot;</td>
<td>5&quot;</td>
<td>3.5&quot;</td>
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Soft Impact Mallets
with Easy Grip Handles

Provides shock-absorbing force

Designed to have a shock-absorbing force, providing less bounce or wasted force. The Mallet is filled with a shock-absorbing media and has a flat striking surface to keep the Mallet centered on an instrument. The standard handle is manufactured of copolymer. The bottom can also be used to tap an implant in place.

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Jones Mallet

Designed by Dickie Jones, MD

Unique hand fitting shape provides superior gripping strength

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

Product NO:

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<td>[2.4 lbs]</td>
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<td>3&quot;</td>
<td>1.5&quot;</td>
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</tbody>
</table>
Universal Bone Grafting/Impacting Forceps
Designed by J.A. Amis, MD

Bone graft can be grasped, placed & impacted without changing hands or instruments

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.

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th>Diameter Ends at Actual Size (Closed Forceps)</th>
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<tbody>
<tr>
<td>Short: 6” Length</td>
<td>1/8”</td>
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<tr>
<td>5010-01  1/8” Diameter End</td>
<td>5050-01  1/8” Diameter End</td>
</tr>
<tr>
<td>5010-02  3/16” Diameter End</td>
<td>5050-02  3/16” Diameter End</td>
</tr>
<tr>
<td>5010-03  1/4” Diameter End</td>
<td>5050-03  1/4” Diameter End</td>
</tr>
<tr>
<td>5010-04  5/16” Diameter End</td>
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</tr>
</tbody>
</table>

Made Exclusively For Innomed In Germany

MADE IN USA

PRODUCT NO'S:

Short: 6” Length
5010-01  1/8” Diameter End
5010-02  3/16” Diameter End
5010-03  1/4” Diameter End
5010-04  5/16” Diameter End

Long: 10” Length
5050-01  1/8” Diameter End
5050-02  3/16” Diameter End
5050-03  1/4” Diameter End
5050-04  5/16” Diameter End

Designed by J.A. Amis, MD

Incavo Wire Passer
Designed by Stephen J. Incavo, MD

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

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<tr>
<td>Short: 6” Length</td>
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</tr>
<tr>
<td>8610-01  Small</td>
<td>5010-01  1/8” Diameter End</td>
</tr>
<tr>
<td>8610-02  Large</td>
<td>5010-02  3/16” Diameter End</td>
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<tr>
<td>8610-03  1/4” Diameter End</td>
<td>5010-03  1/4” Diameter End</td>
</tr>
<tr>
<td>8610-04  5/16” Diameter End</td>
<td>5010-04  5/16” Diameter End</td>
</tr>
</tbody>
</table>

Made Exclusively For Innomed In Germany

Made in USA

PRODUCT NO'S:

8610-01  Small | New Size!
Overall Length: 7.5”
Accepts Wire Up To: 4mm (5/32”)

8610-02  Large
Overall Length: 8.675”
Accepts Wire Up To: 4mm (5/32”)

Small Cable/Wire Passer
Small 5.5mm tubing makes these an excellent choice for passing cable around bone for trauma type cases and spinal fusion procedures

<table>
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<tr>
<th>PRODUCT NO:</th>
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</tr>
</thead>
<tbody>
<tr>
<td>H5750  Small</td>
<td>1/8”</td>
</tr>
</tbody>
</table>

Made Exclusively For Innomed In Germany

Made in USA

PRODUCT NO:

H5750  Small | New Size!
Overall Length: 7.5”
Accepts Wire Up To: 4mm (5/32”)

TRAUMA INSTRUMENTS  |  1.800.548.2362  |  FREE TRIAL ON MOST INSTRUMENTS
Can bend and cut K-wires measuring 1 to 2mm (.039-.078") in diameter

The pin only needs to extend 20mm from the skin surface to be bent.

K-Wire Bender/Cutter

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

**PRODUCT NO:**

- 2111
  - Overall Length: 6.625"  
  - MADE EXCLUSIVELY FOR INNOMED IN GERMANY

**Can bend and cut K-wires measuring 1 to 2mm (.039-.078") 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 pin is forced backwards by the nose of the upper jaw and guided by a small groove.

**Cutting**

The pin 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.

**Spine/Trauma Deep Tissue Retractor**

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

The retractor arms are available in configurations of 7 or 4 teeth.

**PRODUCT NO’S:**

- 1862 [4 Teeth]
- 1863 [7 Teeth]
  - MADE EXCLUSIVELY FOR INNOMED IN GERMANY

**Spine/Trauma Deep Tissue Retractor**

**Designed by Patti Albrecht**

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

The retractor arms are available in configurations of 7 or 4 teeth.

**PRODUCT NO’S:**

- 1862 [4 Teeth]
- 1863 [7 Teeth]
  - MADE EXCLUSIVELY FOR INNOMED IN GERMANY
**Sandman Curved Bone Punch**

Designed to help elevate a depressed tibial plateau fracture

**Product No:** 5305
- Overall Length: 14”
- Shaft Length: 9.5”
- Impactor Diameter: 12.5mm (.5”)

**Made in USA**

**Tissue Protector Sleeve for Intramedullary Reaming**

Helps minimize soft tissue damage and damage to the hip abductor mechanism while reaming the intramedullary canal

**Product No:** 6010
- Overall Length: 5’
- Tube Internal Diameter: 5/8”

**Made in USA**

**Ball Spike with Bell Handle**

Designed with a long shaft for use in deep wounds

**Product No:** 8032
- Overall Length: 12”

**Made in USA**

**FREE TRIAL ON MOST INSTRUMENTS**
Flexible Osteotome System
Provides an assortment of osteotome blades for various orthopedic surgery procedures

<table>
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<tr>
<th>PRODUCT NO'S:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>S0011-00</td>
<td>[Complete Set with Case]</td>
</tr>
<tr>
<td>S1002</td>
<td>[Thin Osteotome Blade] 3&quot; x 8mm</td>
</tr>
<tr>
<td>S1003</td>
<td>[Thin Osteotome Blade] 3&quot; x 10mm</td>
</tr>
<tr>
<td>S1004</td>
<td>[Thin Osteotome Blade] 3&quot; x 12mm</td>
</tr>
<tr>
<td>S1005</td>
<td>[Thin Osteotome Blade] 3&quot; x 20mm</td>
</tr>
<tr>
<td>S1006</td>
<td>[Curved Thin Osteotome Blade] 3&quot; x 12mm</td>
</tr>
<tr>
<td>S1007</td>
<td>[Curved Thin Osteotome Blade] 3&quot; x 20mm</td>
</tr>
<tr>
<td>S1008</td>
<td>[Thin Osteotome Blade] 5&quot; x 10mm</td>
</tr>
<tr>
<td>S1009</td>
<td>[Thin Osteotome Blade] 5&quot; x 8mm</td>
</tr>
<tr>
<td>S1020</td>
<td>[Handle with Quick-Coupling End] 6&quot; One Handle Only with this Product Number</td>
</tr>
<tr>
<td>S1133</td>
<td>[Radial Osteotome] 5&quot; x 10mm</td>
</tr>
<tr>
<td>S1120</td>
<td>[Radial Osteotome] 5&quot; x 12mm (not shown)</td>
</tr>
<tr>
<td>S1134</td>
<td>[Radial Osteotome] 5&quot; x 14mm</td>
</tr>
<tr>
<td>S1121</td>
<td>[Radial Osteotome] 5&quot; x 16mm</td>
</tr>
<tr>
<td>S1122</td>
<td>[Radial Osteotome] 5&quot; x 20mm (not shown)</td>
</tr>
<tr>
<td>S2007</td>
<td>[Small Slap Hammer] 12&quot;</td>
</tr>
<tr>
<td>9018</td>
<td>[Case]</td>
</tr>
</tbody>
</table>

Optional Blades (Not Included in Complete Set)

| S1123        | [Extra Long Osteotome Blade] 9" x 8mm |
| S1135        | [Radial Osteo, Medial Curve] 6.75" x 11mm |
| S1136        | [Radial Osteo, Lateral Curve] 6.75" x 11mm |
| S1137        | [Radial Osteo, Medial Curve] 5" x 11mm |
| S1138        | [Radial Osteo, Lateral Curve] 5" x 11mm |
| S1222        | [Chisel Blade] 2.5" x 8mm New! |
| S1223        | [Chisel Blade] 2.5" x 10mm New! |
| S1224        | [Chisel Blade] 2.5" x 12mm New! |
| S1225        | [Chisel Blade] 2.5" x 20mm New! |
| S1228        | [Chisel Blade] 5" x 10mm New! |
| S1229        | [Chisel Blade] 5" x 8mm New! |
| S1230        | [Chisel Blade] 5" x 20mm New! |
| S1231        | [Chisel Blade] 5" x 12mm New! |

NEW USA

Ortho Impactors

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th></th>
</tr>
</thead>
</table>
| Overall Length: 9"
| Shaft Diameter: 9mm |
| 5331        | [11 x 4mm Rectangle] |
| 5332        | [12 x 7mm Rectangle] |
| 5333        | [12mm Tapered] |
| 5334        | [9mm Square] |
| 5335        | [15mm Round] |
| 5336        | [12mm Round] |
| 5337        | [9mm Round] |

NEW USA

- 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 handles are made of high impact surgical stainless steel and have 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

Flexible Chisel Blades

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>S0011-00</td>
<td>[Complete Set with Case]</td>
</tr>
<tr>
<td>S1222</td>
<td>[Chisel Blade] 2.5&quot; x 8mm New!</td>
</tr>
<tr>
<td>S1223</td>
<td>[Chisel Blade] 2.5&quot; x 10mm New!</td>
</tr>
<tr>
<td>S1224</td>
<td>[Chisel Blade] 2.5&quot; x 12mm New!</td>
</tr>
<tr>
<td>S1225</td>
<td>[Chisel Blade] 2.5&quot; x 20mm New!</td>
</tr>
<tr>
<td>S1228</td>
<td>[Chisel Blade] 5&quot; x 10mm New!</td>
</tr>
<tr>
<td>S1229</td>
<td>[Chisel Blade] 5&quot; x 8mm New!</td>
</tr>
<tr>
<td>S1230</td>
<td>[Chisel Blade] 5&quot; x 20mm New!</td>
</tr>
<tr>
<td>S1231</td>
<td>[Chisel Blade] 5&quot; x 12mm New!</td>
</tr>
</tbody>
</table>

New!

Curved Radial Blades are helpful in the removal of total hip stems
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 Storage Case]
- 5195-01 [Handle]
- 5195-02 [Straight (single slot)]
  - Large: 7x1.5mm, Small: 5x1mm
- 5195-03 [Cross/Cruciate]
  - Large: 7mm, Small: 6mm
- 5195-04 [Hex]
  - Large: 4.5mm, Small: 4mm
- 5195-05 [Phillips]
  - Large: 4mm, Small: 3.5mm
- 5195-06 [Small Torx: #10 & #15]
- 5195-07 [Large Torx: #20 & #25]

Set consists of one handle and one sterilization/storage case, plus six double ended screwdriver bits:
- Small & large single slot
- Cross & cruciate
- 3.5mm & 4.5mm hex
- Small & large phillips
- #10 & #15 torx
- #20 & #25 torx

Made in USA

Universal Multi-Nut Wrench

Designed to allow single-tool adjustment to any size nut from 1/4" to 3/4", reducing the need for multiple instruments.

PRODUCT NO:

5074
- Overall Length: 7"
- Wrench End: 3/4" to 1/4"

Made in USA

Cheng Screw Removal and Bone Trephine Set

Designed by Edward Cheng, MD

PRODUCT NO'S:

- 1426-00 [Complete Set with Case]
  Includes:
  - 1426-01 [Small Trephine] 5mm Internal Diameter
    Overall Length: 7.125"
  - 1426-02 [Medium Trephine] 6.5mm Internal Diam.
    Overall Length: 7.125"
  - 1426-03 [Large Trephine] 8mm Internal Diameter
    Overall Length: 7.125"
  - 1426-04 [Handle Assembly]
    Dimensions: 4" x 2"
  - 1025 [Sterilization Case]

Replacement Part:

- 1425-14-C [Handle Retaining Screw]

Made in USA

Trephine Tips
**Kaminsky OrthoLucent™**

**Browne-type Deltoid Retractors**

*Designed by Sean B. Kaminsky, MD*

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

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. Also helps to prevent from marring component surfaces.

**PRODUCT NO:**

1670-01R [Small]
- Blade Width: 45mm
- Overall Length: 11.5”

1670-02R [Large]
- Blade Width: 57mm
- Overall Length: 11.5”

Made of lightweight carbon fiber material—strong, completely radiolucent, and can be steam sterilized

**OrthoLucent™ is a trademark of MedX Composites**

---

**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**

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

**PRODUCT NO:**

6870
- Handle Length: 6.75”
- Blade Length: 8.5”
- Blade Width at Widest: 67mm

**OrthoLucent™ is a trademark of MedX Composites**

---

**OrthoLucent™ Cobra Retractor**

Carbon fiber material is strong, lightweight, completely radiolucent and can be steam sterilized

Also helps to prevent from marring component surfaces.

**PRODUCT NO:**

6130-R [OrthoLucent™ Standard]
- Overall Length: 12”
- Handle Length: 7”
- Blade Width at Widest: 33mm

**OrthoLucent™ is a trademark of MedX Composites**

---

1.800.548.2362 | MAY 2012
OrthoLucent™
Hohmann Retractors

Carbon fiber material is strong, lightweight, completely radiolucent and can be steam sterilized

Also helps to prevent from marring component surfaces.

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Product No:</th>
<th>Description</th>
<th>Blade Width:</th>
<th>Overall Length:</th>
</tr>
</thead>
<tbody>
<tr>
<td>6595-R</td>
<td>OrthoLucent™ Modified Narrow Hohmann</td>
<td>18mm</td>
<td>10&quot;</td>
</tr>
<tr>
<td>4535-R</td>
<td>OrthoLucent™ Modified Narrow Hohmann</td>
<td>14mm</td>
<td>10&quot;</td>
</tr>
<tr>
<td>4558-R</td>
<td>OrthoLucent™ Standard Hohmann</td>
<td>16mm</td>
<td>9.625&quot;</td>
</tr>
<tr>
<td>7110-R</td>
<td>OrthoLucent™ Narrow Bent Hohmann</td>
<td>19mm</td>
<td>9.75&quot;</td>
</tr>
</tbody>
</table>

Ortho Lucent™ is a trademark of MedX Composites

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>Product No:</th>
<th>Description</th>
<th>Blade Width:</th>
<th>Overall Length:</th>
</tr>
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<tbody>
<tr>
<td>6595</td>
<td>Wide</td>
<td>10&quot;</td>
<td>14mm</td>
</tr>
<tr>
<td>4535</td>
<td>Narrow</td>
<td>10&quot;</td>
<td>14mm</td>
</tr>
<tr>
<td>4545</td>
<td>Short-tipped Narrow</td>
<td>9.5&quot;</td>
<td>14mm</td>
</tr>
</tbody>
</table>
Designed to help remove a variety of screws—solid and cannulated: stripped hex screws, buried screws, partial screws with broken screw heads

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

**Hex Drivers**
Solid shaft in all standard hex sizes.

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

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

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

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

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

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

**Universal Screw Removal Instrument System**
The drive end (A/O) is designed for easy and quick engagement with the universal instrument handle.

**PRODUCT NO's:**
- S0010-00 [Complete System with Case]
- S0113 [Universal 4” Instrument Handle]
- S0128 [1.5mm Screw Extractor]
- S0116 [2.5mm Screw Extractor]
- S0130 [3.5mm Screw Extractor]
- S0117 [1.5mm Hex Driver]
- S0114 [2.5mm Hex Driver]
- S0115 [3.5mm Hex Driver]
- S0132 [4.0mm Hex Driver]
- S0133 [5.0mm Hex Driver]
- S0136 [2.5mm Cannulated Hex Driver]
- S0137 [3.5mm Cannulated Hex Driver]
- S0138 [4.0mm Cannulated Hex Driver]
- S0139 [5.0mm Cannulated Hex Driver]
- S0118 [Large Cruciform Screwdriver]
- S0119 [Small Cruciform Screwdriver]
- S0141 [Mini Cruciform Screwdriver]
- S0120 [Single Slot Screwdriver]
- S0121 [2.2mm Trephine]
- S0122 [3.2mm Trephine]
- S0123 [4.2mm Trephine]
- S0124 [4.7mm Trephine]
- S0125 [7.2mm Trephine]
- S0127 [Universal Extractor – Shaft Only]
- S0127-01 [Large Extraction Bolt Body]
- S0127-03 [Small Extraction Bolt Body]
- S0127-04 [Extractor Wrench]
- S0129 [Pick]
- S0140 [Cannulated Drive Extension]
- S0142 [Complete System with Case]

**Case Dimensions:** 20” x 9.25”

---

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

**PRODUCT NO:**
- S0142
  - Overall Length: 8”
  - Jaw Width: 4.5mm

---

WWW.INNOMED.NET | 1.800.548.2362 | MAY 2012
Screw Extractor Set
Designed to help remove screws with stripped or damaged heads

- Extractors must be used with drill in reverse.
- Screw head is reamed with burnishing end, and is then removed with the left turn thread end.
- Care must be taken to burnish no more than 1/16" (1.5mm) deep, as burnishing too deep can weaken the screw head.

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>Set with Case</th>
<th>Overall Length: 6&quot;</th>
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</thead>
<tbody>
<tr>
<td>7250-00</td>
<td>[Small]</td>
<td>Overall Length: 6&quot;</td>
</tr>
<tr>
<td>7250-01</td>
<td>[Medium]</td>
<td>Overall Length: 6&quot;</td>
</tr>
<tr>
<td>7250-02</td>
<td>[Large]</td>
<td>Overall Length: 6&quot;</td>
</tr>
</tbody>
</table>

Craig-Type Extractor Set
Designed to firmly tighten circumferentially around a wire, pin, broken screw, etc. for removal — especially helpful for the removal of threaded pins

- Removes pins & screws up to 5mm (.2") diameter and wires as small as .8mm (1/32") diameter
- Five interchangeable collets for various grasping capacities
- Two cross-handle insert rods give strong leverage for locking the collet securely onto the pin
- Slap hammer included

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>Includes Sterilization Case</th>
<th>MADE IN USA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1215-00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>Overall Length: 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td></td>
</tr>
</tbody>
</table>

TRAUMA INSTRUMENTS  | 1.800.548.2362  | FREE TRIAL ON MOST INSTRUMENTS
Extended Double Action Pliers

PRODUCT NO'S:
3962 [Needle Nose]
Overall Length: 13"
Jaw Length: 2.625"
Jaw Width: 2.5mm

3961 [Blunt Nose]
Overall Length: 11.75"
Jaw Length: 1.25"
Jaw Width: 10mm

Made in USA

Adjustable Wrench
Designed for quick one-handed adjustments
Opens to 7/8"

PRODUCT NO:
5015
Overall Length: 8"
Handle Length: 5.5"
Made in USA

Long Jaw Needle Nose Pliers

PRODUCT NO:
1833
Overall Length: 7"
Jaw Length: 2.25"
Jaw Width Tapered from: 8mm to 1.5mm
Jaw Height Tapered from: 12mm to 2.5mm

Made exclusively for INNOMED in Germany
Delrin Insert Pliers
Designed to grasp an implant for adjustment without marring the implant surface

PRODUCT NO’S:
2025
Overall Length: 8
2025-03 [Replacement Insert]
Includes top and bottom delrin jaws, two screws and a hex wrench

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

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

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

U.S. Patent #D398,208

PRODUCT NO’S:
Standard
3980 [Large (10") with Large Slap Hammer]
3980-01 [Large (10") w/o Slap Hammer, w/Attachments]
3981 [Large (10") without Slap Hammer or Attachments]
3985 [Small (8") without Slap Hammer or Attachments]
3985-01 [Small (8") with Small Slap Hammer]

Long Nose
3965 [Large (12") with Large Slap Hammer]
3965-01 [Large (12") w/o Slap Hammer, w/Attachments]
3966 [Large Bent Jaw w/Slap Hammer]
3966-01 [Large Bent Jaw w/o Slap Hammer, w/Attachment]
3975 [Small (9.5") without Slap Hammer or Attachments]
3975-01 [Small (9.5") with Small Slap Hammer]
**Vosburg Cannulated Periarticular Clamp**  
*Designed by Caleb Vosburg, MD*

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:**
1864  
Overall Length: 13"  
Handle Length: 8"  
Ratcheted Opening from 2" to 3.5"  
MADE EXCLUSIVELY FOR INNOMED IN GERMANY

---

**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 handle, 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.

**PRODUCT NO’S:**
1838-00 [Set]  
Optional & Replacement Parts:
1838-01 [Handle Only]  
Overall Length: 5.5"  
1838-02 [Blade Only – One]  
Overall Length: 4.25"  
Blade Width: 3/8" (8.2mm)  
1025 [Sterilization Case Only]  
MADE IN USA

---

**Chung Weitlaner Retractor**  
*Designed by Raymond Chung, MD*

Longer prongs allow use in a small, but deep wound  

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

**PRODUCT NO’S:**
Blunt Tips  
5065  
Blade Depth: 25mm  
Overall Length: 4.5"  
5067  
Blade Depth: 30mm  
Overall Length: 4.5"  
Sharp Tips  
5066  
Blade Depth: 25mm  
Overall Length: 4.5"  
5068  
Blade Depth: 30mm  
Overall Length: 4.5"  
Patent Pending

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

---

**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:**
1864  
Overall Length: 13"  
Handle Length: 8"  
Ratcheted Opening from 2" to 3.5"  
MADE EXCLUSIVELY FOR INNOMED IN GERMANY
**Budny Wire Drill Guide**

Designed by Adam Budny, DPM

**Designed to be used for the insertion of smooth and olive wires during the application of ring-based external fixation systems**

Internal stainless steel cannula (2mm) can be completely exposed by opening the swinging latch-cover mechanism, allowing easy insertion/release of a wire.

**PRODUCT NO:** 1188

Wire not included. Made in USA

The entire unit is autoclavable.

**DMP Wire Tightener**

**Used to hand tighten a cerclage wire around a bone**

Now with four wire holes — two for up to 20 gauge wires, and two for up to 18 gauge wires. T-Handle end is used to hand tighten a wire.

**PRODUCT NO:** B729

Overall Length: 4.5"  
Handle Width: 2.625"  
End Diameter: 15mm

Designed by DMP

**Extra Leverage Side Cutter**

**Designed to allow one-handed cutting of a wire**

Used for cutting wires up to 3.2mm (1/8", .125")

**PRODUCT NO:** 1116

Overall Length: 8"

Made in USA

Wire not included. Made in USA
**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 1.8mm internal diameter.

**PRODUCT NO:**  

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Cannula Internal Diameter</th>
<th>Overall Length</th>
<th>Locking Ratchet Opens To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1760-01</td>
<td>1.8mm</td>
<td>6&quot;</td>
<td>25mm</td>
</tr>
</tbody>
</table>

*Prototype used in X-ray images*

---

**Redler Percutaneous Pin Clamp**  
*Designed by M.R. Redler, MD*  

**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 1mm to 14mm. Also useful during insertion of cannulated screw guide wires.

**PRODUCT NO'S:**  

<table>
<thead>
<tr>
<th>PRODUCT NO</th>
<th>Overall Length</th>
<th>Tube Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1810-35</td>
<td>5&quot;</td>
<td>.035&quot; (.9mm)</td>
</tr>
<tr>
<td>1810-45</td>
<td>5&quot;</td>
<td>.045&quot; (1.1mm)</td>
</tr>
<tr>
<td>1810-62</td>
<td>5&quot;</td>
<td>.062&quot; (1.6mm)</td>
</tr>
</tbody>
</table>
Resnick Allis Bone Clamp
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”
Ratcheted Clamp Opens to: 37mm
Clamp End Width: 4.7mm
Made Exclusively for Innomed in Germany

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

PRODUCT NO:
S0129
Overall Length: 6.25”
Made in USA

Resnick Allis Bone Clamp
Designed by Charles T. Resnick MD

PRODUCT NO:
1385
Overall Length: 6”
Ratcheted Clamp Opens to: 37mm
Clamp End Width: 4.7mm
Made Exclusively for Innomed in Germany

Redler Wrist Bone Clamp with Wire Guide
Designed by M.R. Redler, MD

PRODUCT NO'S:
1885-45
For Pins up to .045” (1.1mm)
Overall Length: 8”
Made in USA

1885-62
For Pins up to .062” (1.6mm)
Overall Length: 8”
Made in USA

Redler
Wrist Bone Clamp
with Wire Guide
Designed by M.R. Redler, MD

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

PRODUCT NO:
S0129
Overall Length: 6.25”
Made in USA

TRAUMA INSTRUMENTS | 1.800.548.2362 | FREE TRIAL ON MOST INSTRUMENTS
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.

- 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)

K-wires should be cut short above the pin guides to allow full access to the operative site.

Now available with two hole sizes on each instrument!

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Double 1.1mm (.045&quot;) &amp; 1.6mm (.062&quot;) Holes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1751 [Compressor] Compresses From: 28mm Overall Length: 4.5&quot;</td>
</tr>
<tr>
<td>1752 [Distractor] Distracts to: 46mm Overall Length: 4.5&quot;</td>
</tr>
<tr>
<td>Single 1.1mm (.045&quot;) Hole</td>
</tr>
<tr>
<td>1753 [Compressor] Compresses From: 28mm Overall Length: 4.5&quot;</td>
</tr>
<tr>
<td>1754 [Distractor] Distracts to: 46mm Overall Length: 4.5&quot;</td>
</tr>
</tbody>
</table>

Comfort Grip Handle Retractors

Comfort grip ergonomic handle helps reduce fatigue and slippage

PRODUCT NO’S:

<table>
<thead>
<tr>
<th>Hohmann Retractor</th>
</tr>
</thead>
<tbody>
<tr>
<td>6216 [Hohmann] Overall Length: 10.5&quot; Blade Width: 19mm (.75&quot;) Prong Length: 355mm (13.75&quot;) Prong Width at Tip: 5mm</td>
</tr>
<tr>
<td>6217 [Bent Rake] Overall Length: 8&quot; Blade Width: 19mm (.75&quot;)</td>
</tr>
<tr>
<td>6218 [Standard Rake] Overall Length: 8.375&quot; Blade Width: 19mm (.75&quot;)</td>
</tr>
</tbody>
</table>

NEW
**Closed Arms**

- **4210-SS [Small]**
  - Holes: For .062” & .094” (1.6 & 2.5mm) K-wire Pins
  - Overall Length: 6”

- **4210-LS [Large]**
  - Holes: For .062” & .094” (1.6 & 2.5mm) K-wire Pins
  - Overall Length: 8”

**Outspread Arms**

- **4210-SB [Small]**
  - Holes: For .062” & .094” (1.6 & 2.5mm) K-wire Pins
  - Overall Length: 6”

- **4210-LB [Large]**
  - Holes: For .062” & .094” (1.6 & 2.5mm) K-wire Pins
  - Overall Length: 8”

**Shouldered Bone Pins**

- For use with the Small Bone Compressor/Distractors

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Fixed Arms</th>
<th>Rotating Arms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length (Flat): 7.5” Arm Length: 2.25”</td>
<td>Overall Length (Flat): 7.5” Arm Length: 2.25”</td>
</tr>
<tr>
<td>1825</td>
<td>1825-01</td>
</tr>
<tr>
<td>Up to .062” (1.6mm) Pin Diameter</td>
<td>Up to .062” (1.6mm) Pin Diameter</td>
</tr>
</tbody>
</table>

*Included with All Models:*

- 1025 [Sterilization Case] & 1825-BD [Ball Driver Screwdriver]

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Shouldered Bone Pins</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter: 3.2mm (1/8”) (.125”) Overall Length: 70mm Shoulder-to-tip Length: 45mm</td>
</tr>
</tbody>
</table>

*New Size!*

| Diameter: 1.6mm (1/16”) Overall Length: 70mm Shoulder-to-tip Length: 45mm |

| Diameter: 3.2mm (1/8”) (.125”) Overall Length: 55mm |

**MADE IN USA**

**Joint, Calcaneal and Small Bone Distractors**

Two hole sizes and two arm designs allow for easier pin size selection and helps with distraction in a variety of indications.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>Outspread Arms</th>
<th>Closed Arms</th>
</tr>
</thead>
<tbody>
<tr>
<td>4210-SB [Small]</td>
<td>4210-SS [Small]</td>
</tr>
<tr>
<td>Holes: For .062” &amp; .094” (1.6 &amp; 2.5mm) K-wire Pins</td>
<td>Holes: For .062” &amp; .094” (1.6 &amp; 2.5mm) K-wire Pins</td>
</tr>
<tr>
<td>Overall Length: 6”</td>
<td>Overall Length: 6”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4210-LB [Large]</th>
<th>4210-LS [Large]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holes: For .062” &amp; .094” (1.6 &amp; 2.5mm) K-wire Pins</td>
<td>Holes: For .062” &amp; .094” (1.6 &amp; 2.5mm) K-wire Pins</td>
</tr>
<tr>
<td>Overall Length: 8”</td>
<td>Overall Length: 8”</td>
</tr>
</tbody>
</table>

**TRAUMA INSTRUMENTS**

1.800.548.2362

*FREE TRIAL ON MOST INSTRUMENTS*
**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.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Drill Guide Diameter</th>
<th>Calibrated Range</th>
<th>Overall Length</th>
<th>Clamp End Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1890-02</td>
<td>Large</td>
<td>10mm</td>
<td>12mm to 40mm</td>
<td>9.25&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td>1890-01</td>
<td>Small</td>
<td>8mm</td>
<td>8mm to 30mm</td>
<td>6&quot;</td>
<td>1&quot;</td>
</tr>
</tbody>
</table>

*Made Exclusively for Innomed in Germany*

**Medial Malleolar/Bone Fragment Clamps**

Quick tightening & release low profile clamp with unlimited settings

**Designed by Edward L. Sclamberg, MD**

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Diameter</th>
<th>Calibrated Range</th>
<th>Overall Length</th>
<th>Clamp End Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1840</td>
<td>Large</td>
<td>10mm</td>
<td>12mm to 40mm</td>
<td>8&quot;</td>
<td>3&quot;</td>
</tr>
<tr>
<td>1835</td>
<td>Medium</td>
<td>8mm</td>
<td>8mm to 30mm</td>
<td>6&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td>1830</td>
<td>Standard</td>
<td>6.5mm</td>
<td>8mm to 30mm</td>
<td>5.5&quot;</td>
<td>1&quot;</td>
</tr>
</tbody>
</table>

*Made Exclusively for Innomed in Germany*
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]

Made Exclusively for Innomed in Germany

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

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

Made Exclusively for Innomed in Germany

O’Brien Bone Clamp with Drill Guide
Designed by Todd O’Brien, DPM
Calibrated handle measures bones from 6mm up to 24mm.
Guide accommodates 1.5, 2.0 and 2.7mm screws.

PRODUCT NO:
1815
Overall Length: 5"
Guide Diameter: 6.2mm
Calibrations from 6mm to 24mm

Made Exclusively for Innomed in Germany
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.

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
<th>3860-L [Left]</th>
<th>3860-R [Right]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length:</td>
<td>11.25&quot;</td>
<td>11.25&quot;</td>
</tr>
</tbody>
</table>

Designed by John Durkan, MD
Design of ratcheting mechanism allows for quick tightening and release around the bone.

Durkan Ratchet Bone Clamp

<table>
<thead>
<tr>
<th>PRODUCT NO’S:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1867 [Large]</td>
</tr>
<tr>
<td>Overall Length: 8.625&quot;</td>
</tr>
<tr>
<td>Jaw opens to: 3.5&quot;</td>
</tr>
<tr>
<td>1868 [Small]</td>
</tr>
<tr>
<td>Overall Length: 8.5&quot;</td>
</tr>
<tr>
<td>Jaw opens to: 3.75&quot;</td>
</tr>
</tbody>
</table>

Designed by John Durkan, MD
Design of ratcheting mechanism allows for quick tightening and release around the bone.

Angled Lowman-Type Bone Clamp

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.

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1770</td>
</tr>
<tr>
<td>Overall Length: 9.25&quot;</td>
</tr>
<tr>
<td>Length from Bend: 4.25&quot;</td>
</tr>
<tr>
<td>Minimum Clamp Diameter: 1&quot;</td>
</tr>
</tbody>
</table>

Designed by John J. McLeod, Jr., MD

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.
**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. Available in two sizes, large and small, it has teeth in the jaws for a better grip and a ratchet locking handle for use on various bone diameters.

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>PRODUCT NO</th>
<th>SIZE</th>
<th>OVERALL LENGTH</th>
<th>PADS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1895-02</td>
<td>LARGE</td>
<td>8.5&quot;</td>
<td>1.25&quot; x 1&quot;</td>
</tr>
<tr>
<td>1895-01</td>
<td>SMALL</td>
<td>5&quot;</td>
<td>.75&quot; x .45&quot;</td>
</tr>
</tbody>
</table>

MADE IN USA

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**Hensley/LaFosse Soft Tissue Spreader**

Designed by R. Hensley and J. LaFosse

**PRODUCT NO’S:**

<table>
<thead>
<tr>
<th>PRODUCT NO</th>
<th>OVERALL LENGTH</th>
<th>BLADE SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1730</td>
<td>3.5&quot;</td>
<td>10mm x 12mm</td>
</tr>
<tr>
<td>1735</td>
<td>4.5&quot;</td>
<td>14mm x 13mm</td>
</tr>
<tr>
<td>1740</td>
<td>4.5&quot;</td>
<td>14mm x 13mm</td>
</tr>
<tr>
<td>1745</td>
<td>5.5&quot;</td>
<td>18mm x 13mm</td>
</tr>
<tr>
<td>1750</td>
<td>6.5&quot;</td>
<td>22mm x 14mm</td>
</tr>
</tbody>
</table>

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

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**Hendren Self-Retracting Retractors**

Designed by D.H. Hendren, MD

**Gentle on tissue and very effective in holding back subcutaneous fat**

Designed to be gentle on tissue and very effective in holding back subcutaneous fat. Also useful for retracting the deltoid muscle firmly. Available in five sizes.
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.
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**S1000**
- S1000

**S0000**
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**Search by Product Name**

**Search by Product Number**

---

**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.

---

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INSTRUMENT LOANER POLICY
All instruments are available for a no-charge 2-week evaluation (excluding extraction instruments and the Hip Distractor—which are available as rentals). There is a pad replacement charge with the Hip Positioners.

GUARANTEE
All Innomed, Inc. Instruments (except disposable items) are returnable for full credit (undamaged) within 30 days.

Stanton Bent Pin Extractor
Designed by John L. Stanton, MD, FACS
The “T” handle allows for a strong grasp and pull during removal. Will grasp pins up to 2mm.

PRODUCT NO:
1891
Overall Length: 5"

Designed to tightly grasp bent pins and apply torque to help remove fixation pins